Appendix A.6
Focussed Remedial Investigation Report
Volume 6 of 6

299 Main Street Site
Westbury, New York
(Site Code 1-30-043S)

December 1999

❖ Impact Environmental Consulting, Inc. • 1 Village Plaza Park • New York • 11754
516.269.8800 • fax 516.269.1599

CHEMTECH
ANALAB/ICM DIVISION

205 Campus Plaza 1 • Raritan Center • Edison, NJ • 08837
Tel: 732.225.4111 Fax: 732.225.4110

DATA PACKAGE FOR TOTAL METALS

PART IV

PROJECT NAME: # 1-30-0435
PROJECT # 98-335, WESTBURY

IMPACT ENVIRONMENTAL
1 VILLAGE PLAZA
KING PARK NY 11754
916-269-8800

CHEMTECH PROJECT	**13826ASP**
ATTENTION	**KEVIN KLEAKA**

CHEMTECH
ANALAB/ICM DIVISION

205 Campus Plaza 1 • Raritan Center • Edison, NJ • 08837
Tel: 732.225.4111 Fax: 732.225.4110

CASE NARRATIVE

Impact Environmental
Project Name: # 1-30-0435
Project # 98-335, Westbury
Chemtech Project # 13826ASP

A. Number of Samples and Date of Receipt
16 Soil samples were delivered to the laboratory intact on 10/18/99.

B. Parameters
Test requested was Volatile Organics, Semivolatile Organics, TPH BY GC & Total Metals. This data package contains results for Total Metals.

C. Analytical Techniques
The samples were analyzed for Total Metals according to Method 6010, Mercury by Method 7470 and Cyanide by Method 9010.

D. QA/ QC Samples
A Method Blank, Spike and Duplicate sample were digested and analyzed along with the samples.

Calibrations met requirements. Blank analyses did not indicate the presence of contamination.. Interference Check Sample, Spike Sample and Laboratory Control Sample recoveries were within QC limits. Duplicate recoveries and RPDs met QC requirements. Serial Dilution met requirements.

I certify that the data package is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Director or his designee, as verified by the following signature.

Signature _____ Name Divya Mehta

Date 11/16/99 Title Laboratory Director

CHEMTECH
ANALAB/ICM DIVISION

205 Campus Plaza 1 • Raritan Center • Edison, NJ • 08837
Tel: 732.225.4111 Fax: 732.225.4110

COVER PAGE

Lab Name: Chemtech Consulting Group Client: IMPACT ENVIRONMENTAL

Lab Code: CHEM Project No.: 13826ASP

Client Sample No.	Lab Sample ID
GP-008-SS30	87991
GP-008-SS45	87992
GP-009-SS10	87993
GP-010-SS15	87994
GP-011-SS15	87995
GP-012-SS15	87996
GP-009-SS30	87997
GP-009-SS45	87998
GP-010-SS30	87999
GP-010-SS45	88000
GP-011-SS30	88001
GP-011-SS45	88002
GP-012-SS30	88003
GP-012-SS45	88004
GP-013-SS8	88005
GP-013-SS12	88006

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designed, as verified by the following signature.

Signature: _____ Name: DIVYAJIT MEHTA

Date : 11/11/97 Title: LAB DIRECTOR

CHEMTECH

DATA REPORTING QUALIFIERS - - INORGANIC

For reporting results, the following "Results Qualifiers" are used:

B - If the reported value was obtained from a reading that was less than the Contract Required Detection Limit (CRDL), but greater than or equal to the Instrument Detection Limit (IDL).

U - If the analyte was analyzed for, but not detected.

E - The reported value is estimated because of the presence of interference.

M - Duplicate injection precision not met.

N - Spiked sample recovery not within control limits.

S - The reported value was determined by the Method of Standard Additions (MSA).

W - Post-digestion spike for Furnace AA analysis is out of control limits (85 - 115%), while sample absorbance is less than 50% of spike absorbance.

* - Duplicate analysis not within control limits.

+ - Correlation coefficient for the MSA is less than 0.995.

*** - Entering "S", "W", or "+" is mutually exclusive. No combination of these qualifiers can appear in the same field for an analyte.

M (Method) qualifier

"P" for ICP
"A" for Flame AA
"F" for Furnace AA
"PM" for ICP when Microwave Digestion is used
"AM" for flame AA when Microwave Digestion is used
"FM" for furnace AA when Microwave Digestion is used
"CV" for Manual Cold Vapor AA
"AV" for automated Cold Vapor AA
"CA" for Midi-Distillation Spectrophotometric
"AS" for Semi-Automated Spectrophotometric
"C" for Manual Spectrophotometric
"T" for Titrimetric
"NR" if the analyte is not required to be analyzed

METALS RESULTS

METALS
SAMPLE DATA

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

GP-009-SS10

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Lab Sample ID: 87993S

Level (low/med): LOW Date Received: 10/18/99

% Solids: 86.5

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	993			P
7440-36-0	Antimony	0.58	U		P
7440-38-2	Arsenic	4.3			P
7440-39-3	Barium	124			P
7440-41-7	Beryllium	2.5			P
7440-43-9	Cadmium	4.3			P
7440-70-2	Calcium	1600			P
7440-47-3	Chromium	0.12	U		P
7440-48-4	Cobalt	5.7	B		P
7440-50-8	Copper	90.4			P
7439-89-6	Iron	4040			P
7439-92-1	Lead	273			P
7439-95-4	Magnesium	1260			P
7439-96-5	Manganese	40.2			P
7439-97-6	Mercury	0.12	U		CV
7440-02-0	Nickel	388			P
7440-09-7	Potassium	177	B		P
7782-49-2	Selenium	0.58	U		P
7440-22-4	Silver	0.12	U		P
7440-23-5	Sodium	187	B		P
7440-28-0	Thallium	0.81	U		P
7440-62-2	Vanadium	1810			P
7440-66-6	Zinc	62.0			P
	Cyanide	0.23	U		CA

Color Before: BLACK Clarity Before: Texture. MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

GP-010SS15

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Lab Sample ID: 87994S

Level (low/med): LOW Date Received: 10/18/99

% Solids: 92.0

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	609			P
7440-36-0	Antimony	0.54	U		P
7440-38-2	Arsenic	0.76	B		P
7440-39-3	Barium	13.2	B		P
7440-41-7	Beryllium	0.13	B		P
7440-43-9	Cadmium	0.85			P
7440-70-2	Calcium	286	B		P
7440-47-3	Chromium	3.1			P
7440-48-4	Cobalt	0.34	B		P
7440-50-8	Copper	17.8			P
7439-89-6	Iron	1800			P
7439-92-1	Lead	8.6			P
7439-95-4	Magnesium	151	B		P
7439-96-5	Manganese	5.4			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.3	B		P
7440-09-7	Potassium	62.5	B		P
7782-49-2	Selenium	0.54	U		P
7440-22-4	Silver	0.11	U		P
7440-23-5	Sodium	99.9	B		P
7440-28-0	Thallium	0.76	U		P
7440-62-2	Vanadium	2.5	B		P
7440-66-6	Zinc	35.2			P
	Cyanide	0.22	U		CA

Color Before: GREY Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

000007

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

GP-011-SS15

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Lab Sample ID: 87995S

Level (low/med): LOW Date Received: 10/18/99

% Solids: 97.7

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	712			P
7440-36-0	Antimony	0.51	U		P
7440-38-2	Arsenic	1.2			P
7440-39-3	Barium	4.3	B		P
7440-41-7	Beryllium	0.16	B		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	228	B		P
7440-47-3	Chromium	12.9			P
7440-48-4	Cobalt	0.79	B		P
7440-50-8	Copper	6.2			P
7439-89-6	Iron	3680			P
7439-92-1	Lead	1.5			P
7439-95-4	Magnesium	211	B		P
7439-96-5	Manganese	42.4			P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	1.6	B		P
7440-09-7	Potassium	83.1	B		P
7782-49-2	Selenium	0.51	U		P
7440-22-4	Silver	0.10	U		P
7440-23-5	Sodium	96.7	B		P
7440-28-0	Thallium	0.72	U		P
7440-62-2	Vanadium	2.6	B		P
7440-66-6	Zinc	4.0			P
	Cyanide	0.20	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

NYSDEC SAMPLE #

INORGANIC ANALYSIS DATA SHEET

GP-012-SS15

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Lab Sample ID: 87996S

Level (low/med): LOW Date Received: 10/18/99

% Solids: 95.2

Concentration Units (ug/L or mg/Kg dry weight): MG/KG

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	1.5	U		P
7440-36-0	Antimony	0.52	U		P
7440-38-2	Arsenic	0.62	U		P
7440-39-3	Barium	0.10	U		P
7440-41-7	Beryllium	0.10	U		P
7440-43-9	Cadmium	0.10	U		P
7440-70-2	Calcium	10.2	B		P
7440-47-3	Chromium	0.13	B		P
7440-48-4	Cobalt	0.10	U		P
7440-50-8	Copper	0.46	B		P
7439-89-6	Iron	28.6			P
7439-92-1	Lead	0.21	U		P
7439-95-4	Magnesium	3.9	B		P
7439-96-5	Manganese	0.10	U		P
7439-97-6	Mercury	0.10	U		CV
7440-02-0	Nickel	0.21	U		P
7440-09-7	Potassium	8.7	B		P
7782-49-2	Selenium	0.52	U		P
7440-22-4	Silver	0.22	B		P
7440-23-5	Sodium	2510			P
7440-28-0	Thallium	1.3			P
7440-62-2	Vanadium	0.21	B		P
7440-66-6	Zinc	0.21	U		P
	Cyanide	0.21	U		CA

Color Before: BROWN Clarity Before: Texture: MEDIUM

Color After: YELLOW Clarity After: Artifacts:

Comments:

000009

METALS
CALIBRATIONS DATA

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum	1956.0	2072.18	105.9	25000.0	25385.91	101.5	25356.24	101.4	P
Antimony	970.0	1021.55	105.3	2500.0	2619.02	104.8	2605.41	104.2	P
Arsenic	50.9	51.60	101.4	2500.0	2661.00	106.4	2657.96	106.3	P
Barium	2009.0	1995.12	99.3	2500.0	2420.42	96.8	2409.83	96.4	P
Beryllium	476.0	489.48	102.8	500.0	512.02	102.4	510.24	102.0	P
Cadmium	510.0	519.78	101.9	2500.0	2582.81	103.3	2563.68	102.5	P
Calcium	50711.0	52909.68	104.3	25000.0	26918.83	107.7	27105.74	108.4	P
Chromium	471.0	480.65	102.0	2500.0	2511.56	100.5	2502.26	100.1	P
Cobalt	520.0	552.78	106.3	2500.0	2600.66	104.0	2591.44	103.7	P
Copper	497.0	491.61	98.9	2500.0	2414.29	96.6	2415.34	96.6	P
Iron	1985.0	2073.18	104.4	10000.0	10641.11	106.4	10630.57	106.3	P
Lead	4938.0	5082.55	102.9	2500.0	2613.62	104.5	2604.18	104.2	P
Magnesium	24588.0	26153.82	106.4	25000.0	26689.04	106.8	26565.32	106.3	P
Manganese	491.0	492.72	100.4	2500.0	2509.41	100.4	2496.28	99.9	P
Mercury	4.1	4.20	102.4	5.0	5.38	107.6	4.95	99.0	CV
Nickel	497.0	496.18	99.8	2500.0	2531.11	101.2	2520.26	100.8	P
Potassium	49603.0	50444.10	101.7	25000.0	25415.88	101.7	25383.70	101.5	P
Selenium	50.7	46.12	91.0	2500.0	2680.25	107.2	2680.08	107.2	P
Silver	487.0	489.42	100.5	1500.0	1500.94	100.1	1488.94	99.3	P
Sodium	48786.0	50607.96	103.7	25000.0	24934.24	99.7	24790.79	99.2	P
Thallium	98.9	107.66	108.9	2500.0	2522.04	100.9	2513.75	100.6	P
Vanadium	492.0	504.56	102.6	2500.0	2484.29	99.4	2461.31	98.5	P
Zinc	3012.0	3120.24	103.6	2500.0	2673.38	106.9	2664.16	106.6	P
Cyanide	90.0	93.90	104.3	500.0	512.90	102.6	506.90	101.4	CA

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				25000.0	25666.85	102.7	25511.69	102.0	P
Antimony				2500.0	2672.14	106.9	2643.41	105.9	P
Arsenic				2500.0	2735.05	109.4	2728.98	109.2	P
Barium				2500.0	2462.11	98.5	2448.70	97.9	P
Beryllium				500.0	525.75	105.2	523.40	104.7	P
Cadmium				2500.0	2641.06	105.6	2631.74	105.3	P
Calcium				25000.0	26214.14	104.9	26161.04	104.6	P
Chromium				2500.0	2554.34	102.2	2536.90	101.5	P
Cobalt				2500.0	2638.07	105.5	2620.60	104.8	P
Copper				2500.0	2461.70	98.5	2462.48	98.5	P
Iron				10000.0	10900.86	109.0	10878.56	108.8	P
Lead				2500.0	2665.55	106.6	2657.38	106.3	P
Magnesium				25000.0	26020.12	104.1	25905.23	103.6	P
Manganese				2500.0	2541.51	101.7	2525.44	101.0	P
Mercury				5.0	4.84	96.8	5.27	105.4	CV
Nickel				2500.0	2582.94	103.3	2569.04	102.8	P
Potassium				25000.0	25685.13	102.7	25541.94	102.2	P
Selenium				2500.0	2624.80	105.0	2626.76	105.1	P
Silver				1500.0	1465.70	97.7	1414.16	94.3	P
Sodium				25000.0	25124.26	100.5	24961.80	99.8	P
Thallium				2500.0	2597.44	103.9	2577.58	103.1	P
Vanadium				2500.0	2538.12	101.5	2523.49	100.9	P
Zinc				2500.0	2736.12	109.4	2717.98	108.7	P
Cyanide									NR

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Aluminum				25000.0	25103.96	100.4	24605.60	98.4	P
Antimony				2500.0	2576.47	103.1	2573.74	102.9	P
Arsenic				2500.0	2649.66	106.0	2629.72	105.2	P
Barium				2500.0	2372.04	94.9	2367.98	94.7	P
Beryllium				500.0	506.16	101.2	495.78	99.2	P
Cadmium				2500.0	2540.26	101.6	2499.72	100.0	P
Calcium				25000.0	25530.90	102.1	24695.69	98.8	P
Chromium				2500.0	2471.73	98.9	2407.58	96.3	P
Cobalt				2500.0	2548.28	101.9	2484.34	99.4	P
Copper				2500.0	2412.02	96.5	2397.77	95.9	P
Iron				10000.0	10560.30	105.6	10263.66	102.6	P
Lead				2500.0	2602.06	104.1	2550.58	102.0	P
Magnesium				25000.0	25299.71	101.2	24547.38	98.2	P
Manganese				2500.0	2463.65	98.5	2413.94	96.6	P
Mercury									NR
Nickel				2500.0	2492.62	99.7	2445.56	97.8	P
Potassium				25000.0	25673.00	102.7	25137.66	100.6	P
Selenium				2500.0	2535.83	101.4	2537.10	101.5	P
Silver				1500.0	1546.24	103.1	1449.30	96.6	P
Sodium				25000.0	27285.75	109.1	26367.40	105.5	P
Thallium				2500.0	2504.21	100.2	2481.64	99.3	P
Vanadium				2500.0	2430.40	97.2	2376.58	95.1	P
Zinc				2500.0	2647.14	105.9	2589.34	103.6	P
Cyanide									NR

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				25000.0	24741.65	99.0	24588.84	98.4	P
Antimony				2500.0	2604.16	104.2	2584.42	103.4	P
Arsenic				2500.0	2663.28	106.5	2645.60	105.8	P
Barium				2500.0	2393.38	95.7	2382.16	95.3	P
Beryllium				500.0	502.36	100.5	498.17	99.6	P
Cadmium				2500.0	2532.65	101.3	2512.56	100.5	P
Calcium				25000.0	25201.20	100.8	24983.84	99.9	P
Chromium				2500.0	2429.02	97.2	2408.34	96.3	P
Cobalt				2500.0	2504.12	100.2	2479.07	99.2	P
Copper				2500.0	2422.32	96.9	2416.35	96.7	P
Iron				10000.0	10441.37	104.4	10346.60	103.5	P
Lead				2500.0	2566.39	102.7	2553.75	102.2	P
Magnesium				25000.0	24878.72	99.5	24697.96	98.8	P
Manganese				2500.0	2429.74	97.2	2408.89	96.4	P
Mercury									NR
Nickel				2500.0	2473.77	99.0	2454.02	98.2	P
Potassium				25000.0	25348.10	101.4	25350.74	101.4	P
Selenium				2500.0	2573.70	102.9	2551.50	102.1	P
Silver				1500.0	1466.19	97.7	1433.88	95.6	P
Sodium				25000.0	26704.89	106.8	26899.31	107.6	P
Thallium				2500.0	2526.18	101.0	2504.90	100.2	P
Vanadium				2500.0	2395.48	95.8	2369.37	94.8	P
Zinc				2500.0	2620.58	104.8	2592.87	103.7	P
Cyanide									NR

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				25000.0	24114.08	96.5	24102.66	96.4	P
Antimony				2500.0	2539.06	101.6	2566.48	102.7	P
Arsenic				2500.0	2572.31	102.9	2634.76	105.4	P
Barium				2500.0	2313.66	92.5	2293.46	91.7	P
Beryllium				500.0	483.72	96.7	494.32	98.9	P
Cadmium				2500.0	2434.20	97.4	2525.52	101.0	P
Calcium				25000.0	24165.94	96.7	25167.73	100.7	P
Chromium				2500.0	2351.95	94.1	2397.54	95.9	P
Cobalt				2500.0	2413.33	96.5	2463.74	98.5	P
Copper				2500.0	2367.53	94.7	2340.82	93.6	P
Iron				10000.0	10014.00	100.1	10258.66	102.6	P
Lead				2500.0	2493.73	99.7	2585.55	103.4	P
Magnesium				25000.0	24063.72	96.3	24930.66	99.7	P
Manganese				2500.0	2354.60	94.2	2393.44	95.7	P
Mercury									NR
Nickel				2500.0	2383.49	95.3	2447.05	97.9	P
Potassium				25000.0	25213.08	100.9	24995.25	100.0	P
Selenium				2500.0	2471.13	98.8	2535.42	101.4	P
Silver				1500.0	1365.64	91.0	1404.86	93.7	P
Sodium				25000.0	26705.71	106.8	26454.04	105.8	P
Thallium				2500.0	2448.35	97.9	2509.59	100.4	P
Vanadium				2500.0	2302.70	92.1	2319.64	92.8	P
Zinc				2500.0	2524.12	101.0	2676.66	107.1	P
Cyanide									NR

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

NYSDEC - ASP

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Initial Calibration Source: EPA-LV

Continuing Calibration Source: EPA-LV

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Aluminum				25000.0	23486.68	93.9	23700.14	94.8	P
Antimony				2500.0	2601.15	104.0	2643.86	105.8	P
Arsenic				2500.0	2575.78	103.0	2623.44	104.9	P
Barium				2500.0	2510.78	100.4	2546.72	101.9	P
Beryllium				500.0	502.61	100.5	510.08	102.0	P
Cadmium				2500.0	2509.46	100.4	2561.46	102.5	P
Calcium				25000.0	24196.34	96.8	24689.54	98.8	P
Chromium				2500.0	2448.94	98.0	2478.98	99.2	P
Cobalt				2500.0	2523.98	101.0	2555.31	102.2	P
Copper				2500.0	2445.76	97.8	2473.78	99.0	P
Iron				10000.0	9882.54	98.8	10027.21	100.3	P
Lead				2500.0	2543.72	101.7	2588.31	103.5	P
Magnesium				25000.0	24048.63	96.2	24345.74	97.4	P
Manganese				2500.0	2456.53	98.3	2487.30	99.5	P
Mercury									NR
Nickel				2500.0	2467.22	98.7	2506.49	100.3	P
Potassium				25000.0	24705.69	98.8	24798.52	99.2	P
Selenium				2500.0	2442.50	97.7	2487.34	99.5	P
Silver				1500.0	1418.18	94.5	1400.27	93.4	P
Sodium				25000.0	26280.40	105.1	26464.42	105.9	P
Thallium				2500.0	2427.49	97.1	2464.10	98.6	P
Vanadium				2500.0	2513.08	100.5	2538.11	101.5	P
Zinc				2500.0	2523.25	100.9	2584.38	103.4	P
Cyanide									NR

(1) Control limits: Mercury 80-120; Other Metals 90-110; Cyanide 85-115

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

AA CRDL Standard Source: INOR-VEN

ICP CRDL Standard Source: INOR-VEN

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Aluminum								
Antimony				120.0	119.52	99.6	119.94	100.0
Arsenic				20.0	21.19	106.0	24.54	122.7
Barium								
Beryllium				10.0	10.50	105.0	11.02	110.2
Cadmium				10.0	10.76	107.6	10.28	102.8
Calcium								
Chromium				20.0	19.98	99.9	18.70	93.5
Cobalt				100.0	107.92	107.9	106.07	106.1
Copper				50.0	51.54	103.1	51.08	102.2
Iron								
Lead				6.0	6.94	115.7	7.20	120.0
Magnesium								
Manganese				30.0	32.14	107.1	31.78	105.9
Mercury	0.2	0.22	110.0					
Nickel				80.0	85.59	107.0	85.47	106.8
Potassium								
Selenium				10.0	10.15	101.5	9.24	92.4
Silver				20.0	19.97	99.8	19.53	97.6
Sodium								
Thallium				20.0	21.68	108.4	19.58	97.9
Vanadium				100.0	97.24	97.2	98.64	98.6
Zinc				40.0	44.12	110.3	43.40	108.5

BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Preparation Blank Matrix (soil/water): SOIL

Preparation Blank Concentration Units (ug/L or mg/kg): MG/KG

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum	14.0	U	14.0	U	14.0	U	14.0	U	2.800	U	P
Antimony	5.0	U	5.0	U	5.0	U	5.0	U	-1.129	B	P
Arsenic	6.0	U	6.0	U	6.0	U	6.0	U	1.200	U	P
Barium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Beryllium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cadmium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Calcium	16.0	U	16.0	U	16.0	U	16.0	U	3.200	U	P
Chromium	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Cobalt	1.0	U	1.0	U	1.0	U	-1.0	B	0.200	U	P
Copper	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Iron	16.0	U	16.0	U	16.0	U	16.0	U	-3.205	B	P
Lead	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Magnesium	23.0	U	23.0	U	23.0	U	23.0	U	4.600	U	P
Manganese	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.100	U	CV
Nickel	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Potassium	39.0	U	39.0	U	39.0	U	39.0	U	7.800	U	P
Selenium	5.0	U	5.0	U	5.0	U	5.0	U	1.000	U	P
Silver	1.0	U	1.0	U	1.0	U	1.0	U	0.200	U	P
Sodium	23.0	U	23.0	U	23.0	U	23.0	U	4.600	U	P
Thallium	7.0	U	7.0	U	7.0	U	7.0	U	1.400	U	P
Vanadium	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Zinc	2.0	U	2.0	U	2.0	U	2.0	U	0.400	U	P
Cyanide	4.0	U	4.0	U	4.0	U			0.200	U	CA

NYSDEC - ASP

3

BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			14.0	U	14.0	U	14.0	U			P
Antimony			-7.3	B	5.0	U	5.0	U			P
Arsenic			6.0	U	6.0	U	6.0	U			P
Barium			1.0	U	1.0	U	1.0	U			P
Beryllium			1.0	U	1.0	U	1.0	U			P
Cadmium			1.0	U	1.0	U	1.0	U			P
Calcium			16.0	U	16.0	U	16.0	U			P
Chromium			1.0	U	1.0	U	1.0	U			P
Cobalt			1.0	U	1.0	U	-1.0	B			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			16.0	U	16.0	U	16.0	U			P
Lead			2.0	U	2.0	U	2.0	U			P
Magnesium			23.0	U	23.0	U	23.0	U			P
Manganese			1.0	U	1.0	U	1.0	U			P
Mercury			0.2	U							CV
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			39.0	U	39.0	U	-39.3	B			P
Selenium			5.0	U	5.0	U	5.0	U			P
Silver			1.0	U	1.0	U	1.0	U			P
Sodium			23.0	U	23.0	U	37.6	B			P
Thallium			7.0	U	7.0	U	7.0	U			P
Vanadium			2.0	U	2.0	U	2.0	U			P
Zinc			2.0	U	2.0	U	2.0	U			P
Cyanide											NR

NYSDEC - ASP

3

BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			14.0	U	14.0	U	-14.3	B			P
Antimony			5.0	U	5.0	U	5.0	U			P
Arsenic			6.0	U	6.0	U	6.0	U			P
Barium			1.0	U	1.0	U	1.0	U			P
Beryllium			1.0	U	1.0	U	1.0	U			P
Cadmium			1.0	U	1.0	U	1.0	U			P
Calcium			16.0	U	16.0	U	16.0	U			P
Chromium			1.0	U	1.0	U	1.0	U			P
Cobalt			1.0	U	1.0	U	1.0	U			P
Copper			1.0	U	1.0	U	1.0	U			P
Iron			16.0	U	16.0	U	16.0	U			P
Lead			2.0	U	2.0	U	2.0	U			P
Magnesium			23.0	U	23.0	U	23.0	U			P
Manganese			1.0	U	1.0	U	1.0	U			P
Mercury											NR
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			39.0	U	39.0	U	39.0	U			P
Selenium			5.0	U	5.0	U	5.0	U			P
Silver			1.2	B	1.0	B	1.2	B			P
Sodium			28.2	B	23.0	U	23.0	U			P
Thallium			7.0	U	7.0	U	7.0	U			P
Vanadium			2.0	U	2.0	U	2.0	U			P
Zinc			2.0	U	2.0	U	2.0	U			P
Cyanide											NR

NYSDEC - ASP

3

BLANKS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Preparation Blank Matrix (soil/water):

Preparation Blank Concentration Units (ug/L or mg/kg):

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum			-16.2	B	-27.4	B	-18.3	B			P
Antimony			-5.3	B	5.0	U	5.0	U			P
Arsenic			6.0	U	6.0	U	6.0	U			P
Barium			1.0	U	1.0	U	1.0	U			P
Beryllium			1.0	U	1.0	U	1.0	U			P
Cadmium			1.0	U	1.0	U	1.0	U			P
Calcium			16.0	U	16.0	U	22.3	B			P
Chromium			1.0	U	1.0	U	1.0	U			P
Cobalt			1.0	U	1.0	U	1.0	U			P
Copper			1.0	U	-1.2	B	-1.0	B			P
Iron			16.0	U	16.0	U	16.0	U			P
Lead			2.0	U	2.0	U	2.0	U			P
Magnesium			23.0	U	23.0	U	23.0	U			P
Manganese			1.0	U	1.0	U	1.0	U			P
Mercury											NR
Nickel			2.0	U	2.0	U	2.0	U			P
Potassium			-40.3	B	39.0	U	-42.2	B			P
Selenium			5.0	U	5.0	U	5.0	U			P
Silver			1.0	U	1.0	U	1.0	U			P
Sodium			23.0	U	23.0	U	23.0	U			P
Thallium			7.0	U	7.0	U	7.0	U			P
Vanadium			2.0	U	2.0	U	2.0	U			P
Zinc			2.0	U	2.0	U	2.0	U			P
Cyanide											NR

METALS
QC DATA

NYSDEC - ASP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 ICS Source: EPA-LV

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial %R	Final Found Sol. A	Final Found Sol. AB	Final %R
Aluminum	495800	505595	488308	489718.2	96.9	456138	450417.4	89.1
Antimony	0	541	-4	598.8	110.7	-2	580.3	107.3
Arsenic	0	97	5	99.4	102.5	2	97.9	100.9
Barium	0	467	3	470.9	100.8	3	467.8	100.2
Beryllium	0	444	0	455.7	102.6	1	436.5	98.3
Cadmium	0	871	-1	916.4	105.2	2	878.3	100.8
Calcium	457200	467921	474803	475168.9	101.5	428536	426343.0	91.1
Chromium	38	456	38	464.0	101.8	37	447.3	98.1
Cobalt	0	427	-1	453.9	106.3	-2	431.8	101.1
Copper	28	507	28	517.8	102.1	31	506.1	99.8
Iron	186000	177250	190395	191207.4	107.9	175486	174338.7	98.4
Lead	0	47	0	47.7	101.5	0	43.0	91.5
Magnesium	490700	532422	524097	523019.2	98.2	476314	470636.6	88.4
Manganese	45	484	53	498.7	103.0	46	475.8	98.3
Mercury								
Nickel	0	857	3	872.4	101.8	3	833.2	97.2
Potassium	0	0	42	16.9		7	-1.8	
Selenium	0	42	1	44.7	106.4	1	45.7	108.8
Silver	0	207	2	200.5	96.9	-5	176.4	85.2
Sodium	0	0	195	191.7		191	186.2	
Thallium	0	91	3	93.7	103.0	3	86.3	94.8
Vanadium	0	460	1	455.1	98.9	8	447.4	97.3
Zinc	33	1008	32	937.6	93.0	31	896.4	88.9

NYSDEC - ASP

5A

SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE #

GP-009-SS10MS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.5624		0.1156	U	0.58	97.0		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	6.0058		0.2312	U	5.78	103.9		CA

Comments:

NYSDEC - ASP

5A

SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE #: GP-009-SS10MSD

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.5

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony									NR
Arsenic									NR
Barium									NR
Beryllium									NR
Cadmium									NR
Calcium									NR
Chromium									NR
Cobalt									NR
Copper									NR
Iron									NR
Lead									NR
Magnesium									NR
Manganese									NR
Mercury	75-125	0.5624		0.1156	U	0.58	97.0		CV
Nickel									NR
Potassium									NR
Selenium									NR
Silver									NR
Sodium									NR
Thallium									NR
Vanadium									NR
Zinc									NR
Cyanide	75-125	6.0116		0.2312	U	5.78	104.0		CA

Comments:

NYSDEC - ASP

5A

SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE #

GP-010SS15MS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	56.8804		0.5435	U	54.35	104.7		P
Arsenic	75-125	239.0951		0.7598	B	217.39	109.6		P
Barium	75-125	227.2804		13.2413	B	217.39	98.5		P
Beryllium	75-125	5.7761		0.1283	B	5.43	104.0		P
Cadmium	75-125	6.5054		0.8533		5.43	104.1		P
Calcium									NR
Chromium	75-125	24.1995		3.0837		21.74	97.1		P
Cobalt	75-125	57.2201		0.3397	B	54.35	104.7		P
Copper	75-125	44.7375		17.7511		27.17	99.3		P
Iron									NR
Lead	75-125	67.1435		8.5571		54.35	107.8		P
Magnesium									NR
Manganese	75-125	61.1875		5.3891		54.35	102.7		P
Mercury									NR
Nickel	75-125	57.4516		1.3054	B	54.35	103.3		P
Potassium									NR
Selenium	75-125	226.3674		0.5435	U	217.39	104.1		P
Silver	75-125	4.9451		0.1087	U	5.43	91.1		P
Sodium									NR
Thallium	75-125	232.7196		0.7609	U	217.39	107.1		P
Vanadium	75-125	55.5152		2.4880	B	54.35	97.6		P
Zinc	75-125	91.8538		35.1793		54.35	104.3		P
Cyanide									NR

Comments:

NYSDEC - ASP

5A

SPIKE SAMPLE RECOVERY

NYSDEC SAMPLE #

GP-010SS15MSD

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	56.7109		0.5435	U	54.35	104.3		P
Arsenic	75-125	239.2011		0.7598	B	217.39	109.7		P
Barium	75-125	227.6543		13.2413	B	217.39	98.6		P
Beryllium	75-125	5.7777		0.1283	B	5.43	104.0		P
Cadmium	75-125	6.5413		0.8533		5.43	104.8		P
Calcium									NR
Chromium	75-125	24.1853		3.0837		21.74	97.1		P
Cobalt	75-125	57.2380		0.3397	B	54.35	104.7		P
Copper	75-125	44.7880		17.7511		27.17	99.5		P
Iron									NR
Lead	75-125	67.0712		8.5571		54.35	107.7		P
Magnesium									NR
Manganese	75-125	61.2223		5.3891		54.35	102.7		P
Mercury									NR
Nickel	75-125	57.5592		1.3054	B	54.35	103.5		P
Potassium									NR
Selenium	75-125	226.1386		0.5435	U	217.39	104.0		P
Silver	75-125	4.9435		0.1087	U	5.43	91.0		P
Sodium									NR
Thallium	75-125	233.5571		0.7609	U	217.39	107.4		P
Vanadium	75-125	55.7777		2.4880	B	54.35	98.0		P
Zinc	75-125	91.7745		35.1793		54.35	104.1		P
Cyanide									NR

Comments:

DUPLICATES

NYSDEC SAMPLE #

GP-009-SS10D

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.5 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury		0.1156	U	0.1156	U			CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide		0.2312	U	0.2312	U			CA

NYSDEC - ASP

6

DUPLICATES

NYSDEC SAMPLE #

GP-009-SS10MSD

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 86.5 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony								NR
Arsenic								NR
Barium								NR
Beryllium								NR
Cadmium								NR
Calcium								NR
Chromium								NR
Cobalt								NR
Copper								NR
Iron								NR
Lead								NR
Magnesium								NR
Manganese								NR
Mercury	0.1	0.5624		0.5624		0.0		CV
Nickel								NR
Potassium								NR
Selenium								NR
Silver								NR
Sodium								NR
Thallium								NR
Vanadium								NR
Zinc								NR
Cyanide		6.0058		6.0116		0.1		CA

NYSDEC - ASP

6

DUPLICATES

NYSDEC SAMPLE #

GP-010SS15D

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 92.0 % Solids for Duplicate: 92.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		608.9538		606.7853		0.4		P
Antimony		0.5435	U	0.5435	U			P
Arsenic		0.7598	B	0.6522	U	200.0		P
Barium		13.2413	B	13.1614	B	0.6		P
Beryllium		0.1283	B	0.1228	B	4.4		P
Cadmium	0.5	0.8533		0.8875		3.9		P
Calcium		285.5630	B	284.2668	B	0.5		P
Chromium	1.1	3.0837		3.0815		0.1		P
Cobalt		0.3397	B	0.3935	B	14.7		P
Copper		17.7511		17.6489		0.6		P
Iron		1798.4163		1791.4777		0.4		P
Lead		8.5571		8.4962		0.7		P
Magnesium		150.8391	B	151.1234	B	0.2		P
Manganese	1.6	5.3891		5.3641		0.5		P
Mercury								NR
Nickel		1.3054	B	1.3207	B	1.2		P
Potassium		62.4598	B	62.4886	B	0.0		P
Selenium		0.5435	U	0.5435	U			P
Silver		0.1087	U	0.1087	U			P
Sodium		99.9071	B	100.1783	B	0.3		P
Thallium		0.7609	U	0.7609	U			P
Vanadium		2.4880	B	2.4239	B	2.6		P
Zinc		35.1793		35.1359		0.1		P
Cyanide								NR

NYSDEC - ASP

6

DUPLICATES

NYSDEC SAMPLE #

GP-010SS15MSD

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

% Solids for Sample: 92.0 % Solids for Duplicate: 0.0

Concentration Units (ug/L or mg/kg dry weight): MG/KG

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		792.3821		793.3750		0.1		P
Antimony		56.8804		56.7109		0.3		P
Arsenic		239.0951		239.2011		0.0		P
Barium		227.2804		227.6543		0.2		P
Beryllium		5.7761		5.7777		0.0		P
Cadmium		6.5054		6.5413		0.6		P
Calcium		272.2652	B	272.2239	B	0.0		P
Chromium		24.1995		24.1853		0.1		P
Cobalt		57.2201		57.2380		0.0		P
Copper		44.7375		44.7880		0.1		P
Iron		1831.7277		1831.1223		0.0		P
Lead		67.1435		67.0712		0.1		P
Magnesium		143.4913	B	143.5859	B	0.1		P
Manganese		61.1875		61.2223		0.1		P
Mercury								NR
Nickel		57.4516		57.5592		0.2		P
Potassium		60.2239	B	60.0522	B	0.3		P
Selenium		226.3674		226.1386		0.1		P
Silver	1.1	4.9451		4.9435		0.0		P
Sodium		97.2875	B	97.4679	B	0.2		P
Thallium		232.7196		233.5571		0.4		P
Vanadium		55.5152		55.7777		0.5		P
Zinc		91.8538		91.7745		0.1		P
Cyanide								NR

7
LABORATORY CONTROL SAMPLE

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Solid LCS Source: EPA-LV

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Aluminum				308.7	270.7		193.1	424.2	87.7
Antimony				213.3	227.2		129.4	297.2	106.5
Arsenic				930.4	1012.0		613.4	1247.2	108.8
Barium				5.3	4.9	B	2.5	8.1	92.5
Beryllium				18.8	18.0		15.3	22.2	95.7
Cadmium				41.6	40.0		32.1	51.1	96.2
Calcium				184154.0	149305.1		142933.0	225376.0	81.1
Chromium				96.5	90.9		77.8	115.2	94.2
Cobalt				140.3	135.6		115.4	165.6	96.7
Copper				6680.2	6297.3		5727.3	7633.1	94.3
Iron				21012.1	20688.0		16831.3	25193.0	98.5
Lead				224.1	212.7		167.6	280.5	94.9
Magnesium				113189.0	105803.0		97493.0	128886.0	93.5
Manganese				201.2	189.0		167.9	234.4	93.9
Mercury				12.3	11.9		7.8	16.9	96.7
Nickel				56.8	54.2		43.5	70.1	95.4
Potassium				102.4	73.2	B	0.0	379.3	71.5
Selenium				37.0	40.0		17.6	56.4	108.1
Silver				20.9	20.2		13.2	28.5	96.7
Sodium				92.8	193.8	B	0.0	277.4	208.8
Thallium				38.1	37.4		24.6	51.6	98.2
Vanadium				65.8	60.1		53.0	78.6	91.3
Zinc				174.9	161.4		127.7	222.1	92.3
Cyanide				5.6	5.8		4.1	7.1	103.6

000032

NYSDEC - ASP

8
STANDARD ADDITION RESULTS

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Concentration Units: ug/L

EPA Sample No.	An	0 ADD	1 ADD		2 ADD		3 ADD		Final Conc.	r
		ABS	CON	ABS	CON	ABS	CON	ABS		

NYSDEC - ASP

9

NYSDEC SAMPLE #

ICP SERIAL DILUTIONS

GP-010SS15L

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Matrix (soil/water): SOIL Level (low/med): LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	5602.38		5303.85		5.3		P
Antimony	5.00	U	25.00	U			P
Arsenic	6.99	B	30.00	U	100.0		P
Barium	121.82	B	119.28	B	2.1		P
Beryllium	1.18	B	5.00	U	100.0		P
Cadmium	7.85		7.00	B	10.8		P
Calcium	2627.18	B	2614.08	B	0.5		P
Chromium	28.37		27.35	B	3.6		P
Cobalt	3.12	B	5.00	U	100.0		P
Copper	163.31		156.18		4.4		P
Iron	16545.43		16092.65		2.7		P
Lead	78.72		82.58		4.9		P
Magnesium	1387.72	B	1344.75	B	3.1		P
Manganese	49.58		48.15	B	2.9		P
Mercury							NR
Nickel	12.01	B	15.20	B	26.6		P
Potassium	574.63	B	315.10	B	45.2		P
Selenium	5.00	U	25.00	U			P
Silver	1.00	U	5.00	U			P
Sodium	919.14	B	905.85	B	1.4		P
Thallium	7.00	U	35.00	U			P
Vanadium	22.89	B	22.78	B	0.5		P
Zinc	323.65		324.38		0.2		P

METALS PREPARATION & INSTRUMENT DATA

NYSDEC - ASP

10

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: Date: 10/15/99

Flame AA ID Number: CV

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum			200		NR
Antimony			60		NR
Arsenic			10		NR
Barium			200		NR
Beryllium			5		NR
Cadmium			5		NR
Calcium			5000		NR
Chromium			10		NR
Cobalt			50		NR
Copper			25		NR
Iron			100		NR
Lead			3		NR
Magnesium			5000		NR
Manganese			15		NR
Mercury	253.70		0.2	0.2	CV
Nickel			40		NR
Potassium			5000		NR
Selenium			5		NR
Silver			10		NR
Sodium			5000		NR
Thallium			10		NR
Vanadium			50		NR
Zinc			20		NR

Comments:

CV: SPECTRO-PRODUCTS MERCURY ANALYZER

NYSDEC - ASP

10
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 10/15/99

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Aluminum	308.20		200	14.0	P
Antimony	206.80		60	5.0	P
Arsenic	189.00		10	6.0	P
Barium	493.40		200	1.0	P
Beryllium	313.00		5	1.0	P
Cadmium	226.50		5	1.0	P
Calcium	317.90		5000	16.0	P
Chromium	267.70		10	1.0	P
Cobalt	228.60		50	1.0	P
Copper	324.70		25	1.0	P
Iron	271.40		100	16.0	P
Lead	220.40		3	2.0	P
Magnesium	279.00		5000	23.0	P
Manganese	257.60		15	1.0	P
Mercury			0.2		NR
Nickel	231.60		40	2.0	P
Potassium	766.50		5000	39.0	P
Selenium	196.00		5	5.0	P
Silver	328.00		10	1.0	P
Sodium	588.90		5000	23.0	P
Thallium	190.90		10	7.0	P
Vanadium	292.40		50	2.0	P
Zinc	206.20		20	2.0	P

Comments:
P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

11A

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 01/15/99

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Ag
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0002010	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000200
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	-0.0000505	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000160
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0019000	0.0000000	0.0011600	0.0000000	-0.0007370
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

11B

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 01/15/99

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	Ba	Be	Cd	Co
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000002	-0.0000010
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000370	0.0000000	0.0000026	0.0000000	0.0000290
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000000	0.0000000	0.0000104	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0000200	-0.0000425
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0001300	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 01/15/99

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	K	Mn	Na
Aluminum	308.20	0.0000000	0.0000000	0.0000000	0.0000005	0.0000000
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	-0.0000100	0.0000000	-0.0000006	0.0000000
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000017	0.0000000
Manganese	257.60	0.0000288	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0000830	0.0000000	0.0000000	-0.0000140	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:
P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 01/15/99

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ni	Pb	Sb	Se	Tl
Aluminum	308.20	0.0000000	0.0000090	0.0000000	0.0000000	-0.0000027
Antimony	206.80	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	-0.0000004	0.0000000	0.0000000	0.0000000
Chromium	267.70	0.0000000	-0.0000124	0.0009100	0.0000000	0.0000260
Cobalt	228.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.70	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.40	0.0000000	0.0000067	0.0000040	-0.0000122	-0.0000030
Lead	220.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000011	0.0000000	0.0000000	0.0000000
Manganese	257.60	0.0000000	0.0000044	0.0000000	0.0000518	-0.0006200
Mercury						
Nickel	231.60	0.0000000	0.0000270	-0.0001900	0.0000000	0.0000000
Potassium	766.50	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	588.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	-0.0000460	0.0000270	0.0001300
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:
P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 01/15/99

Analyte	Wave-length (nm)	Interelement Correction Factors for: V	Zn	___	___	___
Aluminum	308.20	0.0000000	0.0000000			
Antimony	206.80	0.0000000	0.0000000			
Arsenic	189.00	0.0000000	0.0000000			
Barium	493.40	0.0000000	0.0000000			
Beryllium	313.00	0.0000000	0.0000000			
Cadmium	226.50	0.0000000	0.0000000			
Calcium	317.90	0.0000000	0.0000000			
Chromium	267.70	0.0000000	0.0001290			
Cobalt	228.60	0.0000000	0.0000000			
Copper	324.70	0.0000000	0.0000000			
Iron	271.40	0.0000042	0.0000099			
Lead	220.40	0.0000000	0.0000000			
Magnesium	279.00	0.0000000	0.0000000			
Manganese	257.60	0.0000000	0.0000000			
Mercury						
Nickel	231.60	0.0000000	0.0000000			
Potassium	766.50	0.0000000	0.0000000			
Selenium	196.00	0.0000000	0.0000000			
Silver	328.00	0.0000000	0.0000000			
Sodium	588.90	0.0000000	0.0000000			
Thallium	190.90	0.0000000	0.0000000			
Vanadium	292.40	0.0000000	0.0000000			
Zinc	206.20	0.0000000	0.0000000			

Comments:
P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

ICP ID Number: P0 Date: 10/15/99

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum	10.00	650000.0	P
Antimony	10.00	50000.0	P
Arsenic	10.00	50000.0	P
Barium	10.00	100000.0	P
Beryllium	10.00	25000.0	P
Cadmium	10.00	30000.0	P
Calcium	10.00	950000.0	P
Chromium	10.00	50000.0	P
Cobalt	10.00	50000.0	P
Copper	10.00	55000.0	P
Iron	10.00	1000000.0	P
Lead	10.00	100000.0	P
Magnesium	10.00	650000.0	P
Manganese	10.00	60000.0	P
Mercury			NR
Nickel	10.00	35000.0	P
Potassium	10.00	70000.0	P
Selenium	10.00	50000.0	P
Silver	10.00	70000.0	P
Sodium	10.00	80000.0	P
Thallium	10.00	50000.0	P
Vanadium	10.00	50000.0	P
Zinc	10.00	70000.0	P

Comments:
P0: ICP 61E TRACE ANALYZER

NYSDEC - ASP

13
PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Method: CA

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
GP-009-SS10	10/22/99	1.00	50
GP-009-SS10D	10/22/99	1.00	50
GP-009-SS10MS	10/22/99	1.00	50
GP-009-SS10MSD	10/22/99	1.00	50
GP-010SS15	10/22/99	1.00	50
GP-011-SS15	10/22/99	1.02	50
GP-012-SS15	10/22/99	1.00	50
LCSS	10/22/99	1.00	50
PBS	10/22/99	1.00	50

NYSDEC - ASP

13
PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
GP-009-SS10	10/21/99	0.20	100
GP-009-SS10D	10/21/99	0.20	100
GP-009-SS10MS	10/21/99	0.20	100
GP-009-SS10MSD	10/21/99	0.20	100
GP-010SS15	10/21/99	0.21	100
GP-011-SS15	10/21/99	0.20	100
GP-012-SS15	10/21/99	0.20	100
LCSS	10/21/99	0.20	100
PBS	10/21/99	0.20	100

13
PREPARATION LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Method: P

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
GP-009-SS10	11/03/99	1.00	100
GP-010SS15	11/03/99	1.00	100
GP-010SS15D	11/03/99	1.00	100
GP-010SS15MS	11/03/99	1.00	100
GP-010SS15MSD	11/03/99	1.00	100
GP-011-SS15	11/03/99	1.00	100
GP-012-SS15	11/03/99	1.01	100
LCSS	11/03/99	1.00	200
PBS	11/03/99	1.00	200

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: CN Method: CA

Start date: 10/22/99 End date: 10/22/99

EPA Sample No.	D/F	Time	% R	Analytes																								
				ALKALINITY	SULFATE	AMMONIA	BOD	BOD EXTENDED	COD	CYANIDE	CYANIDE AMENABLE	CYANIDE WEAK ACID DISSOCIABLE	CYANIDE TOTAL	FLUORIDE	PHENOLICS	MERCURY	MANGANESE	NITRATE	NITRATE-NITRITE	HARDNESS	KJELDAHL NITROGEN	SULFIDE	ALUMINUM	ANTIMONY	NICKEL	THALLIUM	VANADIUM	ZINC	CALCIUM
S0	1.00	1146																										X
S10.0	1.00	1148																										X
S100.0	1.00	1150																										X
S500.0	1.00	1152																										X
S1000.0	1.00	1154																										X
ICV	1.00	1156																										X
ICB	1.00	1158																										X
CCV	1.00	1200																										X
CCB	1.00	1202																										X
S	1.00	1204																										X
PBS	1.00	1206																										X
LCSS	1.00	1208																										X
GP-009-SS10	1.00	1210																										X
GP-009-SS10D	1.00	1212																										X
GP-009-SS10MS	1.00	1214																										X
GP-009-SS10MSD	1.00	1216																										X
GP-010SS15	1.00	1218																										X
GP-011-SS15	1.00	1220																										X
GP-012-SS15	1.00	1222																										X
CCV	1.00	1224																										X
CCB	1.00	1226																										X

14
ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: CV Method: CV

Start date: 10/21/99 End date: 10/21/99

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSASBEBDCACRCOCUEFBPGMNMGHINKSESAGNATLVZNC
S0	1.00	2000		X
S0.2	1.00	2002		X
S0.5	1.00	2004		X
S1.0	1.00	2006		X
S5.0	1.00	2008		X
S10.0	1.00	2010		X
ICV	1.00	2012		X
ICB	1.00	2014		X
CCV	1.00	2016		X
CCB	1.00	2018		X
CRA	1.00	2020		X
ZZZZZZ	1.00	2022		
ZZZZZZ	1.00	2024		
ZZZZZZ	1.00	2026		
ZZZZZZ	1.00	2028		
ZZZZZZ	1.00	2030		
ZZZZZZ	1.00	2032		
ZZZZZZ	1.00	2034		
ZZZZZZ	1.00	2036		
ZZZZZZ	1.00	2038		
CCV	1.00	2040		X
CCB	1.00	2042		X
ZZZZZZ	1.00	2044		
ZZZZZZ	1.00	2046		
ZZZZZZ	1.00	2048		
ZZZZZZ	1.00	2050		
ZZZZZZ	1.00	2052		
ZZZZZZ	1.00	2054		
PBS	1.00	2056		X
LCSS	10.00	2058		X
GP-009-SS10	1.00	2100		X
GP-009-SS10D	1.00	2102		X

14

ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: CV Method: CV

Start date: 10/21/99 End date: 10/21/99

EPA Sample No.	D/F	Time	% R	Analytes
				ALBA SAEA BEAR CDAU CEBG FBGN PMGI MNGI HNK SEG ANAL TVN ZCN
CCV	1.00	2104		X
CCB	1.00	2106		X
GP-009-SS10MS	1.00	2108		X
GP-009-SS10MSD	1.00	2110		X
GP-010SS15	1.00	2112		X
GP-011-SS15	1.00	2114		X
GP-012-SS15	1.00	2116		X
CCV	1.00	2118		X
CCB	1.00	2120		X

14

ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: P0 Method: P

Start date: 11/03/99 End date: 11/03/99

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSAABEDACARCOUEBPGMNMGHINKSEGAANLTVNZNC
S0	1.00	0810		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
S	1.00	0812		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
S	1.00	0814		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
S	1.00	0816		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
S	1.00	0819		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICV	1.00	0828		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICV	1.00	0831		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICV	1.00	0834		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICV	1.00	0834		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICV	1.00	0841		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICB	1.00	0844		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CRI	1.00	0851		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICSA	1.00	0859		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ICSAB	1.00	0902		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CCV	1.00	0904		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CCB	1.00	0906		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ZZZZZZ	1.00	0914		
ZZZZZZ	1.00	0916		
ZZZZZZ	1.00	0918		
ZZZZZZ	1.00	0922		
ZZZZZZ	1.00	0931		
ZZZZZZ	1.00	0933		
ZZZZZZ	1.00	0935		
ZZZZZZ	1.00	0937		
ZZZZZZ	1.00	0940		
ZZZZZZ	1.00	0943		
CCV	1.00	0945		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
CCB	1.00	0947		XXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXXX
ZZZZZZ	1.00	0950		
ZZZZZZ	1.00	0953		
ZZZZZZ	1.00	0959		
ZZZZZZ	1.00	1002		

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: P0 Method: P

Start date: 11/03/99 End date: 11/03/99

EPA Sample No.	D/F	Time	% R	Analytes
				ALBSAAABEBCDCACRCOCUCEFBPGMNMGHINIKSESAGNAATLVNZNC
ZZZZZZ	1.00	1004		
ZZZZZZ	5.00	1007		
ZZZZZZ	1.00	1011		
ZZZZZZ	1.00	1014		
ZZZZZZ	1.00	1021		
ZZZZZZ	1.00	1026		
CCV	1.00	1028		XXXXXXXXXXXXXXX_XXXXXXXXX_
CCB	1.00	1030		XXXXXXXXXXXXXXX_XXXXXXXXX_
ZZZZZZ	1.00	1034		
ZZZZZZ	1.00	1036		
ZZZZZZ	1.00	1038		
ZZZZZZ	10.00	1045		
ZZZZZZ	10.00	1048		
ZZZZZZ	1.00	1054		
ZZZZZZ	1.00	1056		
ZZZZZZ	1.00	1102		
ZZZZZZ	1.00	1104		
ZZZZZZ	1.00	1107		
CCV	1.00	1109		XXXXXXXXXXXXXXX_XXXXXXXXX_
CCB	1.00	1111		XXXXXXXXXXXXXXX_XXXXXXXXX_
ZZZZZZ	1.00	1114		
ZZZZZZ	1.00	1116		
ZZZZZZ	1.00	1118		
ZZZZZZ	1.00	1121		
ZZZZZZ	1.00	1123		
ZZZZZZ	10.00	1127		
ZZZZZZ	1.00	1131		
ZZZZZZ	1.00	1133		
ZZZZZZ	1.00	1135		
ZZZZZZ	1.00	1137		
CCV	1.00	1139		XXXXXXXXXXXXXXX_XXXXXXXXX_
CCB	1.00	1141		XXXXXXXXXXXXXXX_XXXXXXXXX_

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13825

Instrument ID Number: P0 Method: P

Start date: 11/03/99 End date: 11/03/99

EPA Sample No.	D/F	Time	% R	Analytes
ZZZZZZ	1.00	1143		
ZZZZZZ	1.00	1146		
ZZZZZZ	1.00	1148		
ZZZZZZ	1.00	1150		
ZZZZZZ	1.00	1152		
ZZZZZZ	5.00	1158		
ZZZZZZ	1.00	1218		
ZZZZZZ	1.00	1220		
ZZZZZZ	1.00	1224		
ZZZZZZ	1.00	1245		
CCV	1.00	1247		X X X X X X X X X X X X X X _ X X X X X X X X _
CCB	1.00	1249		X X X X X X X X X X X X X X _ X X X X X X X X _
ZZZZZZ	1.00	1255		
ZZZZZZ	1.00	1257		
ZZZZZZ	1.00	1259		
ZZZZZZ	1.00	1301		
ZZZZZZ	1.00	1308		
ZZZZZZ	1.00	1311		
ZZZZZZ	1.00	1313		
ZZZZZZ	1.00	1315		
ZZZZZZ	1.00	1318		
ZZZZZZ	1.00	1323		
CCV	1.00	1325		X X X X X X X X X X X X X X _ X X X X X X X X _
CCB	1.00	1327		X X X X X X X X X X X X X X _ X X X X X X X X _
ZZZZZZ	1.00	1333		
ZZZZZZ	1.00	1336		
ZZZZZZ	1.00	1338		
ZZZZZZ	40.00	1347		
ZZZZZZ	1.00	1349		
ZZZZZZ	1.00	1352		
ZZZZZZ	1.00	1355		
ZZZZZZ	1.00	1357		

14

ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: P0 Method: P

Start date: 11/03/99 End date: 11/03/99

EPA Sample No.	D/F	Time	% R	Analytes
				ALBS SBAS BAE CDA CAR CUO CUE FBP PMG MNN HGI NK SE AG NAA TL VN ZC NC
ZZZZZZ	1.00	1359		
ZZZZZZ	1.00	1402		
CCV	1.00	1404		X X X X X X X X X X X X X X _ X X X X X X X X
CCB	1.00	1406		X X X X X X X X X X X X X X _ X X X X X X X X
ZZZZZZ	1.00	1410		
PBS	1.00	1416		X X X X X X X X X X X X X X _ X X X X X X X X
LCSS	1.00	1419		X X X X X X X X X X X X X X _ X X X X X X X X
GP-009-SS10	1.00	1424		X X X X X X X X X X X X X X _ X X X X X X X X
GP-010SS15	1.00	1427		X X X X X X X X X X X X X X _ X X X X X X X X
GP-010SS15D	1.00	1429		X X X X X X X X X X X X X X _ X X X X X X X X
GP-010SS15MS	1.00	1432		_ X X X X X _ X X X _ X _ X _ X _ X X _ X X X
GP-010SS15MSD	1.00	1434		X X X X X X X X X X X X X X _ X X X X X X X X
GP-010SS15L	5.00	1437		X X X X X X X X X X X X X X _ X X X X X X X X
GP-011-SS15	1.00	1440		X X X X X X X X X X X X X X _ X X X X X X X X
CCV	1.00	1442		X X X X X X X X X X X X X X _ X X X X X X X X
CCB	1.00	1444		X X X X X X X X X X X X X X _ X X X X X X X X
GP-012-SS15	1.00	1449		X X X X X X X X X X X X X X _ X X X X X X X X
ZZZZZZ	1.00	1451		
ZZZZZZ	1.00	1455		
ZZZZZZ	1.00	1457		
ZZZZZZ	1.00	1459		
ZZZZZZ	1.00	1502		
ZZZZZZ	1.00	1505		
ZZZZZZ	1.00	1507		
ZZZZZZ	1.00	1510		
ZZZZZZ	1.00	1515		
CCV	1.00	1517		X X X X X X X X X X X X X X _ X X X X X X X X
CCB	1.00	1519		X X X X X X X X X X X X X X _ X X X X X X X X
ZZZZZZ	1.00	1527		
ZZZZZZ	1.00	1530		
ZZZZZZ	1.00	1540		
ZZZZZZ	1.00	1542		

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ANALYSIS RUN LOG

Lab Name: CHEMTECH CONSULTING GROUP Contract:

Lab Code: CHEM Case No.: SAS No.: SDG No.: 13826

Instrument ID Number: P0 Method: P

Start date: 11/03/99 End date: 11/03/99

EPA Sample No.	D/F	Time	% R	Analytes																								
				ALB	SBS	AAS	BAE	BED	CAR	CRO	CUL	FEB	PBG	MGN	MGI	HE	NG	KA	SL	AB	NA	TL	VN	ZN	CN
ZZZZZZ	1.00	1549																										
ZZZZZZ	1.00	1551																										
ZZZZZZ	5.00	1558																										
ZZZZZZ	5.00	1600																										
ZZZZZZ	5.00	1602																										
ZZZZZZ	25.00	1607																										
CCV	1.00	1609		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
CCB	1.00	1611		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
ZZZZZZ	5.00	1619																										
ZZZZZZ	5.00	1622																										
ZZZZZZ	1.00	1625																										
ZZZZZZ	5.00	1627																										
ZZZZZZ	1.00	1629																										
ZZZZZZ	1.00	1631																										
CRI	1.00	1636			X	X		X	X		X	X	X		X		X		X		X	X		X	X	X		
ICSA	1.00	1642		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
ICSAB	1.00	1645		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
CCV	1.00	1647		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		
CCB	1.00	1649		X	X	X	X	X	X	X	X	X	X	X	X		X	X	X	X	X	X	X		

METALS
RAW DATA

13965

INSTRUMENT ID # P0

Standardization Rpt. 11/03/99 08:11:37 AM page 1

Method: 6010 Standard: STD.1 (50)
Run Time: 11/03/99 08:10:03

Elem	As1890	Tl1908	Sb2068	Al3082	Ba4934	Be3130	Cd2265
Avge	-.01333	-.06750	-.02667	1.8042	.01417	.56167	.04167
SDev	.02828	.05303	.01886	.0059	.00589	.00000	.01179
%RSD	212.13	78.567	70.711	.32661	41.595	.00000	28.284
#1	-.03333	-.10500	-.01333	1.8083	.01833	.56167	.03333
#2	.00667	-.03000	-.04000	1.8000	.01000	.56167	.05000

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mn2576	Mg2790
Avge	-.08000	.02083	.00250	.38833	.06000	.01833	.03417
SDev	.00000	.01296	.00118	.00707	.00471	.00707	.00354
%RSD	.00000	62.225	47.140	1.8209	7.8567	38.569	10.348
#1	-.08000	.03000	.00333	.39333	.05667	.02333	.03667
#2	-.08000	.01167	.00167	.38333	.06333	.01333	.03167

Elem	Ni2316	Ag3280	Na5889	V_2924	Zn2062	PB 220351	220352
Avge	.03750	.02917	.05000	-.36917	.00083	.70917	-.26167
SDev	.01061	.00589	.00000	.01532	.00825	.26752	.06835
%RSD	28.284	20.203	.00000	4.1501	989.95	37.723	26.122
#1	.03000	.02500	.05000	-.35833	-.00500	.52000	-.21333
#2	.04500	.03333	.05000	-.38000	.00667	.89833	-.31000

Elem	SE 196021	196022	K_7664
Avge	-.16000	.14667	-.45583
SDev	.13435	.02593	.04125
%RSD	83.969	17.678	9.0489
#1	-.25500	.12833	-.42667
#2	-.06500	.16500	-.48500

Std. prep- date: 7/24/99. Log book page # 52

Standardization Rpt. 11/03/99 08:14:14 AM page 1

Method: 6010 Standard: STD.2 (5)
Run Time: 11/03/99 08:12:12

Elem	As1890	Tl1908	Sb2068	Al3082	Ba4934	Be3130	Cd2265
Avge	20.231	11.767	33.605	64.879	130.91	24.122	130.25
SDev	.032	.045	.495	.027	.05	.042	.33
%RSD	.15728	.38060	1.4729	.04178	.03511	.17588	.25063
#1	20.253	11.798	33.255	64.898	130.94	24.152	130.48
#2	20.208	11.735	33.955	64.860	130.88	24.092	130.02

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mn2576	Mg2790
Avge	27.061	61.584	6.2175	25.249	14.445	80.754	35.702
SDev	.046	.067	.0059	.004	.016	.110	.065
%RSD	.16985	.10908	.09478	.01401	.11422	.13572	.18155
#1	27.093	61.632	6.2217	25.247	14.433	80.832	35.748
#2	27.028	61.537	6.2133	25.252	14.457	80.677	35.657

Elem	Ni2316	Ag3280	Na5889	V_2924	Zn2062	P/3 220351	220352
Avge	66.238	18.564	14.870	22.148	16.954	206.49	273.53
SDev	.019	.004	.007	.045	.029	.86	.00
%RSD	.02847	.01905	.04755	.20220	.17378	.41606	.00172
#1	66.225	18.562	14.875	22.180	16.975	207.10	273.53
#2	66.252	18.567	14.865	22.117	16.933	205.89	273.53

Elem SE	196021	196022	K_7664
Avge	15.881	32.856	36.453
SDev	.027	.006	.035
%RSD	.17068	.01794	.09699
#1	15.900	32.852	36.478
#2	15.862	32.860	36.428

Std. prep- date: 7/14/99, Log book page #52

Standardization Rpt. 11/03/99 08:16:19 AM page 1

Method: 6010 Standard: STD.3 (S)
Run Time: 11/03/99 08:14:40

Elem	As1890	Tl1908	Sb2068	Al3082	Ba4934	Be3130	Cd2265
Avge	40.219	23.453	67.549	128.82	256.66	47.292	255.95
SDev	.095	.021	.468	.27	.78	.052	.26
%RSD	.23735	.09045	.69263	.21225	.30351	.10965	.10130
#1	40.152	23.468	67.218	128.62	256.11	47.255	255.77
#2	40.287	23.438	67.880	129.01	257.21	47.328	256.13

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mn2576	Mg2790
Avge	53.599	121.08	12.257	49.880	28.472	157.90	70.923
SDev	.001	.13	.012	.165	.021	.24	.005
%RSD	.00220	.10901	.09616	.33078	.07450	.15003	.00665
#1	53.598	120.99	12.248	49.763	28.487	157.73	70.920
#2	53.600	121.17	12.265	49.997	28.457	158.06	70.927

Elem	Ni2316	Ag3280	Na5889	V_2924	Zn2062	Pb 220351	220352
Avge	130.45	36.903	29.312	43.919	33.405	405.58	541.62
SDev	.18	.087	.035	.015	.026	.33	.43
%RSD	.13462	.23632	.12062	.03489	.07762	.08078	.07877
#1	130.32	36.842	29.287	43.908	33.387	405.82	541.32
#2	130.57	36.965	29.337	43.930	33.423	405.35	541.92

Elem Se	196021	196022	K_7664
Avge	31.573	65.403	77.897
SDev	.016	.288	.048
%RSD	.05225	.43967	.06202
#1	31.585	65.200	77.863
#2	31.562	65.607	77.932

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Method: 6010 Standard: STD.4(S)
Run Time: 11/03/99 08:16:50

Elem	As1890	Tl1908	Sb2068	Al3082	Ba4934	Be3130	Cd2265
Avge	79.823	46.722	135.85	257.72	502.06	93.460	500.36
SDev	.153	.099	.06	.52	1.22	.160	1.10
%RSD	.19193	.21188	.04511	.20074	.24342	.17150	.21928
#1	79.932	46.792	135.90	258.09	502.92	93.573	501.14
#2	79.715	46.652	135.81	257.36	501.20	93.347	499.58

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Mn2576	Mg2790
Avge	105.82	237.57	24.162	99.379	56.152	307.57	141.32
SDev	.11	.36	.054	.305	.170	.56	.24
%RSD	.10580	.15328	.22437	.30714	.30223	.18239	.17095
#1	105.90	237.83	24.200	99.595	56.272	307.96	141.49
#2	105.75	237.32	24.123	99.163	56.032	307.17	141.15

Elem	Ni2316	Ag3280	Na5889	V_2924	Zn2062 Pβ	220351	220352
Avge	256.47	73.675	54.823	87.207	65.456	801.00	1073.8
SDev	.56	.148	.052	.291	.098	1.02	.9
%RSD	.21919	.20155	.09459	.33379	.14944	.12771	.08385
#1	256.87	73.780	54.860	87.413	65.525	801.72	1073.1
#2	256.07	73.570	54.787	87.002	65.387	800.27	1074.4

Elem SC	196021	196022	K_7664
Avge	63.392	130.29	160.56
SDev	.226	.24	.38
%RSD	.35695	.18542	.23561
#1	63.232	130.12	160.83
#2	63.552	130.46	160.30

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Method: 6010 Sample Name: HMS Operator: SJ
Run Time: 11/03/99 08:19:09
Comment: HMS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9758	4.9553	4.9630	4.9727	5.0008	49.979	4.9757
SDev	.0079	.0204	.0251	.0226	.0044	.054	.0005
%RSD	.15884	.41090	.50615	.45357	.08835	.10829	.01063
#1	4.9814	4.9697	4.9808	4.9887	5.0040	50.017	4.9761
#2	4.9702	4.9409	4.9453	4.9568	4.9977	49.941	4.9753

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99201	4.9391	49.563	4.9489	4.9536	5.0004	19.810
SDev	.00174	.0114	.134	.0078	.0129	.0007	.041
%RSD	.17562	.23111	.26980	.15736	.26140	.01325	.20452
#1	.99324	4.9472	49.658	4.9544	4.9627	5.0008	19.839
#2	.99078	4.9310	49.469	4.9434	4.9444	4.9999	19.782

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9417	49.578	4.9494	2.9826	49.265	4.9621	4.9231
SDev	.0079	.150	.0097	.0024	.104	.0020	.0243
%RSD	.15982	.30303	.19582	.08009	.21069	.03936	.49287
#1	4.9472	49.684	4.9563	2.9843	49.339	4.9635	4.9403
#2	4.9361	49.472	4.9425	2.9809	49.192	4.9607	4.9059

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.9368	4.9761	4.9573	4.9805	50.223
SDev	.0034	.0360	.0077	.0377	.103
%RSD	.06871	.72283	.15570	.75635	.20507
#1	4.9392	5.0015	4.9518	5.0071	50.295
#2	4.9344	4.9507	4.9627	4.9538	50.150

Method: 6010 Sample Name: ICV195 Operator: SJ
Run Time: 11/03/99 08:28:23
Comment: ICV-1
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00217	.00512	5.0826	-.00629	.00448	2.0722	1.9951
SDev	.00015	.00272	.0037	.00725	.00032	.0022	.0052
%RSD	7.0711	53.176	.07314	115.23	7.0844	.10589	.25962
#1	.00206	.00319	5.0799	-.00116	.00425	2.0706	1.9915
#2	.00228	.00704	5.0852	-.01141	.00470	2.0737	1.9988

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48948	.51979	52.910	.48065	.55279	.49162	2.0732
SDev	.00058	.00040	.022	.00013	.00070	.00110	.0045
%RSD	.11812	.07782	.04145	.02659	.12647	.22408	.21767
#1	.48907	.52008	52.894	.48074	.55329	.49084	2.0700
#2	.48989	.51951	52.925	.48056	.55230	.49240	2.0764

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49272	26.154	.49618	.48943	50.608	.50456	3.1202
SDev	.00025	.009	.00022	.00047	.044	.00204	.0027
%RSD	.05030	.03608	.04395	.09492	.08784	.40397	.08776
#1	.49255	26.147	.49602	.48976	50.577	.50312	3.1222
#2	.49290	26.160	.49633	.48910	50.639	.50600	3.1183

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.0195	5.1140	-.00421	-.00733	50.444
SDev	.0059	.0026	.00903	.00635	.175
%RSD	.11790	.05122	214.55	86.732	.34748
#1	5.0153	5.1122	.00218	-.00283	50.320
#2	5.0237	5.1159	-.01060	-.01182	50.568

Method: 6010 Sample Name: ICV0692 Operator: SJ
Run Time: 11/03/99 08:31:38
Comment: ICV-2
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05161	-.00481	.00164	.04612	-.00549	.00889	-.00007
SDev	.00077	.00309	.00085	.00464	.00235	.00403	.00001
%RSD	1.4855	64.262	51.826	10.060	42.765	45.271	15.713
#1	.05107	-.00263	.00224	.04940	-.00383	.01174	-.00006
#2	.05215	-.00700	.00104	Q.04284	-.00715	.00605	-.00007

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00023	.00245	.00002	-.00066	.00004	-.02040
SDev	.00001	.00008	.00000	.00007	.00047	.00028	.00578
%RSD	12.958	34.202	.00000	448.95	70.711	765.32	28.323
#1	.00009	-.00029	.00245	-.00003	-.00033	-.00016	-.02448
#2	.00010	-.00018	.00245	.00006	-.00099	.00023	-.01631

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00030	.00025	-.00010	.00307	-.00085	.00107
SDev	.00002	.00129	.00013	.00048	.00000	.00036	.00019
%RSD	20.642	424.26	52.566	463.60	.00000	42.505	17.656
#1	-.00011	-.00061	.00016	.00024	.00307	-.00059	.00094
#2	-.00008	.00121	.00034	-.00044	.00307	-.00110	.00120

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00516	-.00012	.04423	.04707	-.02611
SDev	.00137	.00059	.00350	.00521	.00112
%RSD	26.609	472.66	7.9057	11.071	4.2855
#1	.00614	.00029	.04670	.05075	-.02532
#2	.00419	-.00054	.04176	.04338	-.02690

Method: 6010 Sample Name: ICV0694 Operator: SJ
Run Time: 11/03/99 08:34:28
Comment: ICV-3
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00152	-.00937	.00098	-.00723	1.0216	.00796	-.00007
SDev	.00077	.00557	.00117	.00126	.0086	.00043	.00016
%RSD	50.508	59.481	119.30	17.470	.84421	5.4220	235.70
#1	.00098	-.01330	.00015	-.00634	1.0155	.00766	-.00018
#2	.00206	-.00543	.00180	-.00812	1.0277	.00827	.00004

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00043	.00204	.00007	-.00099	.00027	-.01222
SDev	.00001	.00024	.00173	.00046	.00000	.00039	.00494
%RSD	12.469	56.092	84.853	678.92	.00000	142.57	40.431
#1	.00009	-.00060	.00082	-.00025	-.00099	-.00000	-.01572
#2	.00011	-.00026	.00326	.00039	-.00099	.00054	-.00873

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	-.00243	-.00008	-.00060	.00460	-.00186	.00047
SDev	.00007	.00943	.00015	.00119	.00217	.00072	.00066
%RSD	46.903	388.91	199.76	196.52	47.140	38.569	141.30
#1	-.00020	-.00910	-.00018	-.00144	.00307	-.00237	.00000
#2	-.00010	.00425	.00003	.00024	.00613	-.00136	.00093

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00296	-.00001	-.00659	-.00755	.19146
SDev	.00568	.00108	.00350	.00015	.02462
%RSD	191.90	11206.	53.054	1.9593	12.856
#1	-.00106	.00076	-.00412	-.00745	.17405
#2	.00697	-.00078	-.00906	-.00765	.20886

Method: 6010 Sample Name: ICV-4(0692) Operator: SJ
Run Time: 11/03/99 08:41:22
Comment: ICV-4
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00239	.10767	.10595	-.00782	-.00147	.01063	-.00001
SDev	.00015	.00049	.00017	.00096	.00036	.00067	.00007
%RSD	6.4282	.45946	.16336	12.323	24.575	6.2561	989.95
#1	.00228	.10732	.10607	-.00850	-.00121	.01110	.00004
#2	.00249	.10802	.10583	-.00713	-.00172	.01016	-.00006

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	.10550	.00245	.00051	-.00016	.00074	-.00611
SDev	.00004	.00051	.00115	.00003	.00023	.00017	.01113
%RSD	28.306	.48269	47.140	5.3107	141.42	22.567	182.10
#1	.00010	.10514	.00326	.00049	-.00033	.00086	.00176
#2	.00016	.10586	.00163	.00053	.00000	.00062	-.01398

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00001	.00212	.00057	.10249	.00460	-.00081	-.00020
SDev	.00006	.00300	.00020	.00013	.00000	.00030	.00085
%RSD	395.43	141.42	34.238	.12302	.00000	37.166	424.73
#1	.00003	.00425	.00071	.10240	.00460	-.00059	-.00080
#2	-.00005	-.00000	.00043	.10258	.00460	-.00102	.00040

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.10796	.10494	-.01257	-.00544	.00079
SDev	.00006	.00023	.00476	.00382	.01305
%RSD	.05342	.21983	37.863	70.184	1649.9
#1	.10800	.10511	-.00920	-.00814	.01002
#2	.10792	.10478	-.01593	-.00274	-.00844

Method: 6010 Sample Name: ICB Operator: SJ
Run Time: 11/03/99 08:44:10
Comment: CAL.BLANK
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00369	.00070	.00062	-.00088	-.00316	.00810	-.00007
SDev	.00291	.00050	.00023	.00053	.00041	.00559	.00010
%RSD	79.030	70.798	37.401	60.156	12.852	69.039	141.42
#1	.00163	.00035	.00078	-.00126	-.00345	.00415	-.00015
#2	.00575	.00105	.00045	-.00051	-.00287	.01206	.00000

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	-.00002	.00122	.00013	-.00049	.00035	-.00436
SDev	.00003	.00029	.00058	.00072	.00117	.00061	.00701
%RSD	20.045	1202.6	47.140	543.95	235.70	173.43	160.66
#1	.00010	-.00023	.00163	-.00037	-.00132	-.00008	-.00932
#2	.00014	.00018	.00082	.00064	.00033	.00078	.00059

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	-.00030	-.00014	.00002	.00307	-.00097	.00080
SDev	.00020	.00386	.00033	.00066	.00000	.00030	.00113
%RSD	308.36	1272.8	235.87	2898.9	.00000	30.717	141.38
#1	-.00020	-.00303	-.00037	-.00044	.00307	-.00119	.00000
#2	.00007	.00243	.00009	.00049	.00307	-.00076	.00160

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00033	.00076	-.00293	.00014	-.01477
SDev	.00229	.00080	.00337	.00089	.02089
%RSD	688.88	105.62	115.12	639.69	141.42
#1	.00196	.00019	-.00531	.00077	-.02954
#2	-.00129	.00132	-.00054	-.00049	.00000

Method: 6010 Sample Name: CRI Operator:]
Run Time: 11/03/99 08:51:02
Comment: CRI (2XCRDL)
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02120	.02168	.00695	.01016	.11953	.00841	-.00004
SDev	.00330	.00062	.00015	.00035	.00334	.00088	.00008
%RSD	15.553	2.8618	2.2333	3.4434	2.7945	10.500	188.56
#1	.01887	.02125	.00706	.00991	.11717	.00904	-.00010
#2	.02353	.02212	.00684	.01040	.12189	.00779	.00001

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01050	.01076	.00571	.01998	.10792	.05154	.00084
SDev	.00000	.00015	.00115	.00071	.00023	.00033	.01527
%RSD	.00223	1.4123	20.203	3.5514	.21591	.64502	1826.9
#1	.01050	.01087	.00490	.01948	.10776	.05130	-.00996
#2	.01050	.01066	.00653	.02048	.10809	.05177	.01163

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03214	.00243	.08560	.01998	.00843	.09725	.04413
SDev	.00000	.00944	.00076	.00061	.00108	.00060	.00066
%RSD	.01181	388.91	.89173	3.0584	12.856	.61721	1.4985
#1	.03214	-.00425	.08506	.01954	.00767	.09768	.04460
#2	.03215	.00910	.08614	.02041	.00920	.09683	.04366

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00740	.00672	.00853	.01097	-.00818
SDev	.00356	.00201	.00578	.00341	.02797
%RSD	48.132	29.919	67.792	31.104	342.15
#1	.00488	.00815	.01262	.00856	-.02795
#2	.00992	.00530	.00444	.01338	.01160

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Method: 6010 Sample Name: ICSA1197 Operator: SJ
Run Time: 11/03/99 08:59:30
Comment: ICSA (ICS-A1)
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00482	.00327	-.00034	.00132	-.00447	488.31	.00306
SDev	.00115	.00321	.00050	.00263	.00446	.30	.00010
%RSD	23.835	98.238	149.03	199.21	99.715	.06117	3.4160
#1	.00564	.00554	-.00069	-.00054	-.00762	488.10	.00298
#2	.00401	.00100	.00002	.00318	-.00132	488.52	.00313

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00005	-.00112	474.80	.03827	-.00132	.02767	190.40
SDev	.00002	.00000	1.90	.00046	.00047	.00038	.34
%RSD	47.173	.20252	.39953	1.2000	35.355	1.3647	.17734
#1	.00003	-.00112	473.46	.03794	-.00165	.02740	190.16
#2	.00007	-.00112	476.14	.03859	-.00099	.02793	190.63

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05341	524.10	.00275	.00181	.19473	.00095	.03169
SDev	.00042	1.36	.00065	.00153	.00000	.00040	.00150
%RSD	.77868	.26013	23.777	84.606	.00000	42.542	4.7400
#1	.05312	523.13	.00229	.00073	.19473	.00066	.03063
#2	.05370	525.06	.00321	.00289	.19473	.00124	.03275

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.03284	.01589	.02271	-.00936	.04246
SDev	.00407	.00128	.01723	.00466	.01753
%RSD	12.380	8.0298	75.872	49.780	41.284
#1	-.03572	.01679	.01053	-.00607	.03006
#2	-.02997	.01499	.03490	-.01265	.05485

Method: 6010 Sample Name: ICSAB596 Operator: SJ
Run Time: 11/03/99 09:02:04
Comment: ICSAB (ICS-AB1)
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09937	.09374	.04767	.04469	.59884	489.72	.47088
SDev	.00130	.00704	.00175	.00461	.00994	.71	.00053
%RSD	1.3116	7.5118	3.6722	10.314	1.6599	.14509	.11310
#1	.10029	.09872	.04891	.04143	.59181	489.22	.47050
#2	.09845	.08876	.04643	.04795	.60587	490.22	.47126

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45570	.91640	475.17	.46399	.45393	.51778	191.21
SDev	.00044	.00074	1.02	.00075	.00023	.00030	.19
%RSD	.09729	.08045	.21437	.16132	.05133	.05872	.09814
#1	.45601	.91692	475.89	.46346	.45377	.51757	191.34
#2	.45538	.91587	474.45	.46452	.45410	.51800	191.07

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49872	523.02	.87241	.20051	.19166	.45512	.93758
SDev	.00005	.23	.00145	.00084	.00000	.00029	.00047
%RSD	.00894	.04453	.16621	.41652	.00000	.06397	.04985
#1	.49875	523.18	.87344	.20110	.19166	.45532	.93791
#2	.49869	522.85	.87139	.19992	.19166	.45491	.93725

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00788	.06754	.06348	.03530	.01688
SDev	.00477	.00024	.00868	.00258	.00224
%RSD	60.568	.35912	13.679	7.2926	13.258
#1	.01125	.06771	.05734	.03348	.01530
#2	.00450	.06737	.06962	.03712	.01846

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 09:04:29
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6610	2.5220	2.6136	2.6803	2.6190	25.386	2.4204
SDev	.0050	.0074	.0037	.0044	.0052	.037	.0056
%RSD	.18726	.29520	.14084	.16300	.19995	.14531	.23082
#1	2.6575	2.5273	2.6110	2.6772	2.6153	25.412	2.4244
#2	2.6645	2.5168	2.6162	2.6833	2.6227	25.360	2.4165

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51202	2.5828	26.919	2.5116	2.6007	2.4143	10.641
SDev	.00060	.0022	.018	.0034	.0028	.0048	.026
%RSD	.11767	.08610	.06646	.13479	.10752	.20080	.24776
#1	.51244	2.5844	26.931	2.5140	2.6026	2.4177	10.660
#2	.51159	2.5812	26.906	2.5092	2.5987	2.4109	10.622

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5094	26.689	2.5311	1.5009	24.934	2.4843	2.6734
SDev	.0033	.041	.0019	.0030	.027	.0028	.0046
%RSD	.13235	.15265	.07586	.20255	.10825	.11096	.17303
#1	2.5118	26.718	2.5325	1.5031	24.953	2.4862	2.6767
#2	2.5071	26.660	2.5298	1.4988	24.915	2.4823	2.6701

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5599	2.6405	2.6787	2.6810	25.416
SDev	.0053	.0082	.0064	.0097	.065
%RSD	.20602	.30872	.23730	.36268	.25532
#1	2.5636	2.6347	2.6832	2.6741	25.462
#2	2.5562	2.6462	2.6742	2.6879	25.370

Method: 6010 Sample Name: CCB1 Operator: SJ
Run Time: 11/03/99 09:06:41
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00130	-.00088	.00131	.00107	.00233	-.00776	-.00007
SDev	.00138	.00099	.00070	.00136	.00257	.00156	.00006
%RSD	106.07	113.01	53.840	127.65	110.41	20.084	84.853
#1	.00228	-.00018	.00081	.00203	.00415	-.00666	-.00003
#2	.00033	-.00158	.00180	.00010	.00051	-.00886	-.00012

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.00011	-.00122	.00038	-.00066	.00023	-.00699
SDev	.00001	.00024	.00058	.00026	.00093	.00033	.00989
%RSD	13.020	229.20	47.140	69.478	141.42	142.61	141.42
#1	.00009	.00007	-.00082	.00057	.00000	.00047	-.00000
#2	.00010	-.00028	-.00163	.00019	-.00132	-.00000	-.01399

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	.00303	.00085	-.00016	.00454	-.00013	-.00040
SDev	.00013	.00429	.00033	.00084	.00208	.00042	.00057
%RSD	66.663	141.42	38.629	531.78	45.799	330.46	141.42
#1	-.00010	.00606	.00062	.00043	.00307	.00017	.00000
#2	-.00028	-.00000	.00108	-.00075	.00600	-.00042	-.00080

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00132	.00262	-.00238	.00279	-.02268
SDev	.00297	.00043	.00626	.00108	.02834
%RSD	224.52	16.335	262.66	38.814	124.98
#1	-.00342	.00292	.00204	.00203	-.00264
#2	.00078	.00232	-.00681	.00356	-.04272

Method: 6010 Sample Name: PBW Operator: SJ
Run Time: 11/03/99 09:14:02
Comment: EXT.BLANK
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00569	-.00140	.00072	.00163	-.00354	-.01346	-.00010
SDev	.00023	.00842	.00105	.00332	.00284	.00158	.00004
%RSD	4.0406	600.61	145.50	203.94	80.276	11.739	40.406
#1	.00553	-.00735	.00146	.00398	-.00153	-.01458	-.00013
#2	.00585	.00455	-.00002	-.00072	-.00555	-.01235	-.00007

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00007	-.00046	-.00122	.00019	-.00066	.00043	-.01049
SDev	.00003	.00007	.00058	.00010	.00000	.00005	.00659
%RSD	35.632	15.010	47.140	49.172	.00000	12.685	62.806
#1	.00005	-.00041	-.00082	.00026	-.00066	.00039	-.00583
#2	.00009	-.00050	-.00163	.00013	-.00066	.00046	-.01515

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	-.00152	-.00011	.00003	.00450	-.00013	-.00040
SDev	.00002	.00300	.00046	.00057	.00030	.00054	.00019
%RSD	11.707	197.99	426.74	2096.9	6.6580	425.64	47.130
#1	-.00015	.00061	.00022	.00043	.00429	.00025	-.00027
#2	-.00018	-.00364	-.00043	-.00038	.00472	-.00051	-.00053

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00451	-.00117	.00777	-.00143	-.02505
SDev	.00104	.00209	.00790	.00104	.00932
%RSD	23.171	179.17	101.71	72.411	37.216
#1	.00377	.00031	.01336	-.00070	-.01846
#2	.00525	-.00265	.00218	-.00217	-.03165

Method: 6010 Sample Name: LCSW Operator: SJ
Run Time: 11/03/99 09:16:19
Comment: LCSW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05107	.04876	2.4617	.04696	.48963	.93225	.90716
SDev	.00061	.00198	.0085	.00075	.01693	.00271	.00044
%RSD	1.2010	4.0631	.34654	1.6031	3.4581	.29061	.04835
#1	.05150	.04736	2.4556	.04643	.47766	.93417	.90747
#2	.05063	.05016	2.4677	.04749	.50161	.93034	.90685

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22677	.29003	25.040	.22728	.26017	.22377	.97961
SDev	.00053	.00089	.033	.00005	.00070	.00038	.00123
%RSD	.23343	.30633	.13368	.02038	.26868	.17213	.12585
#1	.22639	.28940	25.016	.22725	.25967	.22404	.97874
#2	.22714	.29066	25.063	.22731	.26066	.22350	.98048

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.23270	12.241	.23297	.27127	24.484	.23041	1.4953
SDev	.00026	.021	.00015	.00017	.037	.00084	.0037
%RSD	.11364	.16816	.06558	.06205	.15162	.36427	.24626
#1	.23251	12.227	.23287	.27139	24.510	.22981	1.4927
#2	.23288	12.256	.23308	.27115	24.458	.23100	1.4979

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.4261	2.4794	.05023	.04533	22.438
SDev	.0034	.0145	.00048	.00089	.050
%RSD	.13863	.58356	.95825	1.9598	.22106
#1	2.4285	2.4692	.04989	.04470	22.473
#2	2.4237	2.4896	.05057	.04596	22.403

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Method: 6010 Sample Name: PBS Operator: SJ
Run Time: 11/03/99 09:18:37
Comment: EXT.BLANK
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00076	.00166	-.00004	.00002	.00322	-.01314	-.00008
SDev	.00184	.00087	.00044	.00515	.00465	.00112	.00001
%RSD	242.44	52.120	1068.1	21296.	144.22	8.5037	12.856
#1	-.00054	.00105	-.00035	.00366	.00651	-.01235	-.00009
#2	.00206	.00228	.00027	-.00362	-.00006	-.01393	-.00007

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00018	.00000	.00024	-.00066	.00043	-.00816
SDev	.00000	.00014	.00115	.00045	.00000	.00006	.00247
%RSD	.05356	77.777	68e6	185.38	.00000	12.972	30.289
#1	.00009	-.00028	-.00082	-.00008	-.00066	.00047	-.00641
#2	.00009	-.00008	.00082	.00056	-.00066	.00039	-.00991

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	-.00243	.00014	.00024	.00631	-.00034	-.00013
SDev	.00002	.00257	.00011	.00009	.00052	.00012	.00076
%RSD	16.031	106.07	78.122	36.622	8.2206	35.361	566.50
#1	-.00010	-.00425	.00022	.00031	.00595	-.00025	.00040
#2	-.00013	-.00061	.00006	.00018	.00668	-.00042	-.00067

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00143	-.00078	.00239	-.00115	-.02532
SDev	.00004	.00064	.01397	.00074	.00597
%RSD	2.6268	82.457	585.73	64.215	23.570
#1	.00140	-.00123	.01227	-.00063	-.02954
#2	.00146	-.00032	-.00750	-.00168	-.02110

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Method: 6010 Sample Name: LCSS Operator: SJ
Run Time: 11/03/99 09:22:36
Comment: LCSS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0979	.19260	1.0921	.21210	1.1548	1.4025	.02510
SDev	.0057	.00012	.0005	.00028	.0056	.0024	.00005
%RSD	.11128	.06394	.04440	.12986	.48485	.17469	.20803
#1	5.1019	.19268	1.0924	.21190	1.1587	1.4043	.02514
#2	5.0939	.19251	1.0918	.21229	1.1508	1.4008	.02506

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09214	.20491	820.70	.47666	.71690	31.721	107.39
SDev	.00014	.00083	.42	.00018	.00163	.022	.00
%RSD	.14733	.40569	.05063	.03819	.22753	.07028	.00303
#1	.09205	.20433	820.41	.47653	.71575	31.737	107.39
#2	.09224	.20550	821.00	.47679	.71805	31.706	107.39

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.98745	574.95	.28075	.10584	.93072	.31492	.83385
SDev	.00004	.10	.00011	.00027	.00217	.00066	.00057
%RSD	.00384	.01753	.03898	.25287	.23299	.20937	.06792
#1	.98747	574.88	.28067	.10603	.93226	.31539	.83425
#2	.98742	575.02	.28082	.10565	.92919	.31445	.83345

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0521	1.1121	.23780	.19926	.38160
SDev	.0023	.0019	.00569	.00325	.01231
%RSD	.21487	.16685	2.3909	1.6318	3.2252
#1	1.0505	1.1134	.24182	.19696	.39030
#2	1.0537	1.1108	.23378	.20156	.37289

000074

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Method: 6010 Sample Name: 89093 Operator: SJ
Run Time: 11/03/99 09:31:22
Comment: DW-SWEND
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11146	.00024	6.7169	.00458	.02781	71.274	1.9447
SDev	.00031	.00311	.0288	.00314	.00281	.532	.0141
%RSD	.27514	1284.9	.42915	68.538	10.104	.74641	.72709
#1	.11167	.00244	6.6965	.00236	.02979	70.898	1.9347
#2	.11124	-.00196	6.7373	.00680	.02582	71.651	1.9547

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00923	.00816	98.761	2.5017	.16213	.95521	264.70
SDev	.00002	.00028	.429	.0152	.00047	.00746	.97
%RSD	.17951	3.3864	.43418	.60890	.28744	.78073	.36708
#1	.00924	.00836	98.458	2.4910	.16180	.94994	264.02
#2	.00921	.00797	99.065	2.5125	.16246	.96049	265.39

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.5879	40.949	1.0544	.00201	2.7699	5.2901	1.8948
SDev	.0195	.156	.0054	.00076	.0249	.0425	.0011
%RSD	.54361	.38016	.51344	37.840	.90028	.80267	.05851
#1	3.5741	40.839	1.0505	.00255	2.7523	5.2601	1.8940
#2	3.6017	41.059	1.0582	.00147	2.7876	5.3202	1.8956

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	6.5847	6.7829	.02904	-.00763	4.3049
SDev	.0187	.0339	.00268	.00605	.0082
%RSD	.28405	.49947	9.2301	79.261	.19060
#1	6.5715	6.7590	.03093	-.01190	4.2991
#2	6.5979	6.8069	.02714	-.00335	4.3107

000075

Method: 6010 Sample Name: 89094 Operator: SJ
Run Time: 11/03/99 09:33:27
Comment: SWC14F15N-S
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05047	-.01116	.21580	-.01101	-.00124	76.540	.21254
SDev	.00023	.00628	.00196	.00100	.00085	.226	.00039
%RSD	.45571	56.304	.90653	9.1088	68.382	.29586	.18179
#1	.05031	-.01560	.21442	-.01172	-.00184	76.380	.21226
#2	.05063	-.00672	.21719	-.01030	-.00064	76.700	.21281

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00402	-.00250	220.15	.12989	.11929	.49662	192.68
SDev	.00001	.00018	.55	.00110	.00093	.00098	.30
%RSD	.30567	7.2228	.25035	.84543	.78133	.19680	.15387
#1	.00401	-.00263	219.76	.12911	.11863	.49593	192.47
#2	.00403	-.00237	220.54	.13067	.11995	.49731	192.89

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9008	55.545	.44006	.00070	1.5740	.31028	.81723
SDev	.0124	.165	.00151	.00051	.0033	.00011	.00311
%RSD	.21013	.29647	.34268	73.472	.20665	.03425	.38035
#1	5.8921	55.429	.43899	.00033	1.5717	.31020	.81504
#2	5.9096	55.661	.44112	.00106	1.5763	.31035	.81943

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.21249	.21746	.00949	-.02125	5.1820
SDev	.00138	.00362	.00195	.00248	.0276
%RSD	.64908	1.6654	20.543	11.658	.53257
#1	.21347	.21490	.01087	-.02300	5.1625
#2	.21151	.22002	.00811	-.01950	5.2015

Method: 6010 Sample Name: 89095 Operator: SJ
Run Time: 11/03/99 09:35:29
Comment: SWC14F45N-S
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04852	.00018	.13324	-.00799	-.00353	79.830	.33033
SDev	.00268	.00114	.00079	.00403	.00294	.135	.00085
%RSD	5.5304	622.74	.59193	50.411	83.323	.16904	.25607
#1	.05042	.00099	.13379	-.00514	-.00560	79.926	.33093
#2	.04662	-.00062	.13268	-.01084	-.00145	79.735	.32973

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00622	-.00326	225.91	.04080	.11484	.29709	197.98
SDev	.00004	.00032	.11	.00041	.00070	.00024	.18
%RSD	.63416	9.9040	.05059	.99918	.60870	.08253	.09013
#1	.00620	-.00349	225.83	.04051	.11435	.29726	198.10
#2	.00625	-.00304	225.99	.04108	.11534	.29691	197.85

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6849	68.244	1.7821	.00053	1.3064	2.6428	.63978
SDev	.0043	.069	.0002	.00144	.0065	.0065	.00067
%RSD	.07559	.10117	.01296	270.14	.49796	.24470	.10401
#1	5.6879	68.196	1.7819	-.00048	1.3110	2.6474	.63931
#2	5.6819	68.293	1.7822	.00155	1.3018	2.6382	.64025

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.12754	.13608	.00874	-.01635	7.5697
SDev	.00502	.00132	.00529	.00340	.0060
%RSD	3.9370	.97329	60.506	20.812	.07883
#1	.13109	.13514	.01248	-.01394	7.5655
#2	.12399	.13702	.00500	-.01875	7.5739

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Method: 6010 Sample Name: 89098 Operator: SJ
Run Time: 11/03/99 09:37:58
Comment: SWC14-16F11E-W
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07129	.00317	3.2698	-.00492	.00411	83.774	1.4421
SDev	.00176	.00042	.0039	.00356	.00054	.145	.0037
%RSD	2.4735	13.110	.11850	72.368	13.157	.17315	.25707
#1	.07253	.00288	3.2671	-.00744	.00449	83.671	1.4395
#2	.07004	.00347	3.2726	-.00240	.00373	83.876	1.4447

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00549	.00540	111.26	.39820	.13758	.61079	215.22
SDev	.00002	.00001	.01	.00031	.00070	.00127	.04
%RSD	.41670	.10652	.00778	.07877	.50810	.20831	.02067
#1	.00548	.00540	111.25	.39798	.13807	.60989	215.19
#2	.00551	.00541	111.27	.39843	.13709	.61169	215.25

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9259	44.535	.44759	.00172	1.9757	1.1959	2.8772
SDev	.0075	.036	.00021	.00000	.0011	.0045	.0034
%RSD	.15164	.08185	.04809	.00077	.05488	.37582	.11810
#1	4.9206	44.509	.44744	.00172	1.9749	1.1927	2.8748
#2	4.9312	44.560	.44774	.00172	1.9764	1.1991	2.8796

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.1954	3.3070	.00896	-.01185	6.2683
SDev	.0071	.0022	.00722	.00173	.0011
%RSD	.22345	.06787	80.602	14.635	.01785
#1	3.1904	3.3054	.00385	-.01308	6.2675
#2	3.2005	3.3086	.01406	-.01062	6.2691

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Method: 6010 Sample Name: 89099 Operator: SJ
Run Time: 11/03/99 09:40:31
Comment: SWC16-13F15W-E
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15900	.00673	15.746	.02278	.02583	49.914	4.7429
SDev	.00130	.00679	.008	.00337	.00220	.036	.0041
%RSD	.81969	100.85	.04828	14.790	8.5102	.07192	.08741
#1	.15992	.00193	15.740	.02516	.02738	49.939	4.7458
#2	.15808	.01153	15.751	.02039	.02428	49.889	4.7400

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01828	-.00483	32.897	1.3010	.16526	1.3884	465.57
SDev	.00002	.00026	.001	.0038	.00070	.0013	.19
%RSD	.09296	5.4746	.00175	.28933	.42300	.09703	.03979
#1	.01830	-.00464	32.897	1.2984	.16575	1.3894	465.70
#2	.01827	-.00502	32.896	1.3037	.16477	1.3875	465.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2654	15.819	1.2660	-.00071	5.8879	16.927	1.7416
SDev	.0006	.013	.0003	.00074	.0087	.012	.0047
%RSD	.02822	.08404	.01999	104.77	.14731	.07088	.27134
#1	2.2650	15.809	1.2658	-.00123	5.8941	16.919	1.7382
#2	2.2659	15.828	1.2662	-.00018	5.8818	16.935	1.7449

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	15.411	15.913	.05430	.00704	6.2037
SDev	.005	.014	.00626	.00193	.0007
%RSD	.02937	.08583	11.529	27.354	.01202
#1	15.414	15.903	.05872	.00840	6.2042
#2	15.408	15.923	.04987	.00568	6.2031

000079

Method: 6010 Sample Name: 89106 Operator: SJ
Run Time: 11/03/99 09:43:09
Comment: MW-3.2
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05795	.00535	3.8394	.00038	.01711	52.608	1.1010
SDev	.00008	.00283	.0173	.00213	.00436	.203	.0030
%RSD	.13229	53.010	.45146	567.52	25.467	.38654	.27315
#1	.05790	.00735	3.8517	.00188	.02019	52.751	1.1032
#2	.05800	.00334	3.8272	-.00113	.01403	52.464	1.0989

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00268	.00641	173.08	.22516	.07546	.48848	118.38
SDev	.00000	.00001	.78	.00096	.00093	.00157	.59
%RSD	.01005	.12474	.45183	.42447	1.2351	.32131	.50191
#1	.00268	.00641	173.63	.22583	.07480	.48959	118.80
#2	.00268	.00642	172.52	.22448	.07612	.48737	117.96

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7040	56.172	.11036	.00246	47.372	.08621	1.4848
SDev	.0136	.258	.00107	.00037	.191	.00069	.0052
%RSD	.36631	.45884	.97156	15.141	.40282	.80282	.34873
#1	3.7135	56.354	.11112	.00272	47.507	.08670	1.4885
#2	3.6944	55.990	.10960	.00219	47.237	.08572	1.4812

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.7420	3.8881	.02715	-.01299	6.8864
SDev	.0122	.0199	.00197	.00418	.0324
%RSD	.32577	.51187	7.2416	32.150	.47117
#1	3.7506	3.9021	.02576	-.01004	6.9094
#2	3.7334	3.8740	.02854	-.01594	6.8635

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 09:45:23
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6580	2.5138	2.6042	2.6801	2.6054	25.356	2.4098
SDev	.0169	.0068	.0071	.0188	.0302	.038	.0018
%RSD	.63743	.27112	.27326	.70118	1.1610	.14995	.07627
#1	2.6460	2.5089	2.5991	2.6668	2.5840	25.383	2.4111
#2	2.6699	2.5186	2.6092	2.6934	2.6268	25.329	2.4085

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51024	2.5637	27.106	2.5023	2.5914	2.4153	10.631
SDev	.00079	.0043	.001	.0014	.0014	.0023	.022
%RSD	.15476	.16712	.00213	.05720	.05395	.09358	.20515
#1	.50968	2.5607	27.106	2.5013	2.5905	2.4169	10.646
#2	.51080	2.5667	27.105	2.5033	2.5924	2.4137	10.615

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4963	26.565	2.5203	1.4889	24.791	2.4613	2.6642
SDev	.0006	.002	.0018	.0051	.000	.0034	.0056
%RSD	.02238	.00807	.07198	.34412	.00098	.13637	.20909
#1	2.4959	26.564	2.5190	1.4853	24.791	2.4637	2.6602
#2	2.4967	26.567	2.5215	1.4926	24.791	2.4589	2.6681

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5516	2.6304	2.6730	2.6836	25.384
SDev	.0000	.0107	.0128	.0218	.098
%RSD	.00107	.40509	.47963	.81136	.38494
#1	2.5516	2.6229	2.6639	2.6682	25.453
#2	2.5516	2.6380	2.6820	2.6990	25.315

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Method: 6010 Sample Name: CCB2 Operator: SJ
Run Time: 11/03/99 09:47:32
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00195	.00096	.00164	.00078	.00080	-.00967	-.00006
SDev	.00061	.00285	.00031	.00295	.00176	.00155	.00008
%RSD	31.427	295.77	18.681	379.38	220.57	16.058	141.42
#1	.00239	.00298	.00186	-.00131	.00204	-.00857	.00000
#2	.00152	-.00105	.00143	.00287	-.00045	-.01077	-.00012

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	-.00029	.00245	.00048	-.00082	.00031	-.00700
SDev	.00004	.00007	.00115	.00030	.00070	.00033	.00331
%RSD	32.887	23.790	47.140	62.837	84.853	106.25	47.224
#1	.00009	-.00024	.00326	.00069	-.00033	.00054	-.00934
#2	.00014	-.00034	.00163	.00026	-.00132	.00008	-.00466

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00000	.00011	.00071	.00990	.00021	.00020
SDev	.00016	.00343	.00015	.00092	.00178	.00066	.00028
%RSD	184.62	982e6	140.57	129.72	17.958	310.73	141.26
#1	.00020	.00243	.00000	.00136	.01116	.00068	.00000
#2	-.00003	-.00243	.00022	.00006	.00865	-.00025	.00040

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00417	.00039	-.00123	.00178	-.02558
SDev	.00317	.00205	.00520	.00183	.02200
%RSD	76.191	530.65	424.36	102.77	86.019
#1	.00192	.00183	-.00491	.00049	-.01002
#2	.00641	-.00106	.00245	.00307	-.04114

Method: 6010 Sample Name: 89107 Operator: SJ
Run Time: 11/03/99 09:50:47
Comment: MW-2.2
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01225	.00654	.30854	-.00500	.00172	7.1639	.38445
SDev	.00153	.00381	.00132	.00054	.00452	.0505	.00244
%RSD	12.515	58.211	.42875	10.858	262.26	.70560	.63561
#1	.01117	.00385	.30760	-.00539	.00492	7.1281	.38272
#2	.01334	.00923	.30947	-.00462	-.00147	7.1996	.38618

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00052	.00660	218.35	.01722	.03526	.07992	13.912
SDev	.00003	.00003	1.17	.00004	.00093	.00062	.094
%RSD	4.7911	.51446	.53655	.24355	2.6434	.77419	.67596
#1	.00050	.00657	217.52	.01725	.03592	.07948	13.846
#2	.00053	.00662	219.18	.01719	.03460	.08035	13.979

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7807	21.796	.01560	.00136	67.010	.01394	.37666
SDev	.0143	.109	.00058	.00042	.076	.00036	.00236
%RSD	.51316	.49975	3.7386	30.682	.11360	2.6109	.62604
#1	2.7706	21.719	.01518	.00165	67.064	.01420	.37499
#2	2.7908	21.873	.01601	.00106	66.956	.01369	.37833

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.29925	.31318	.00700	-.01100	6.5649
SDev	.00157	.00120	.00124	.00020	.0649
%RSD	.52591	.38240	17.730	1.7758	.98849
#1	.29813	.31233	.00612	-.01113	6.5191
#2	.30036	.31403	.00787	-.01086	6.6108

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Method: 6010 Sample Name: 89108 Operator: SJ
Run Time: 11/03/99 09:57:48
Comment: MW-1.2
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03448	-.00494	.52173	-.00949	.00082	85.061	.53810
SDev	.00322	.01021	.00324	.00297	.00202	.261	.00148
%RSD	9.3391	206.85	.62021	31.305	246.85	.30644	.27558
#1	.03220	-.01216	.52401	-.01159	-.00061	85.245	.53915
#2	.03675	.00228	.51944	-.00739	.00225	84.877	.53705

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00401	-.00059	416.04	.12136	.07464	.29452	188.55
SDev	.00000	.00018	1.70	.00057	.00023	.00089	.88
%RSD	.00019	31.295	.40880	.46892	.31219	.30331	.46453
#1	.00401	-.00071	417.25	.12176	.07480	.29515	189.17
#2	.00401	-.00046	414.84	.12096	.07447	.29389	187.93

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3263	114.15	.14961	.00182	56.067	.13051	.70411
SDev	.0234	.49	.00008	.00030	.348	.00002	.00328
%RSD	.36940	.42604	.05557	16.765	.62075	.01507	.46622
#1	6.3429	114.49	.14955	.00160	56.313	.13052	.70643
#2	6.3098	113.80	.14967	.00203	55.820	.13049	.70179

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.49812	.53351	.02529	-.02685	10.462
SDev	.00039	.00505	.00428	.00659	.063
%RSD	.07899	.94613	16.917	24.539	.60242
#1	.49784	.53708	.02832	-.03151	10.507
#2	.49839	.52995	.02227	-.02219	10.418

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Method: 6010 Sample Name: 89109 Operator: SJ
Run Time: 11/03/99 09:59:57
Comment: DW-SOUTH
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07497	-.00133	.56226	-.00534	.00051	91.086	.79398
SDev	.00130	.00141	.00128	.00550	.00109	.746	.00676
%RSD	1.7384	106.37	.22739	103.10	214.08	.81939	.85097
#1	.07589	-.00033	.56136	-.00145	-.00026	90.558	.78920
#2	.07405	-.00232	.56317	-.00923	.00128	91.614	.79876

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00661	.00066	52.051	.61074	.16823	.44183	247.04
SDev	.00005	.00009	.050	.00387	.00070	.00357	1.15
%RSD	.71990	13.984	.09647	.63339	.41553	.80890	.46514
#1	.00657	.00060	52.015	.60800	.16872	.43930	246.23
#2	.00664	.00073	52.086	.61347	.16773	.44436	247.85

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7995	49.552	.31753	-.00004	1.3815	.43521	1.4503
SDev	.0233	.239	.00071	.00147	.0152	.00438	.0076
%RSD	.61289	.48291	.22227	4113.3	1.0987	1.0073	.52536
#1	3.7831	49.383	.31703	.00100	1.3923	.43211	1.4449
#2	3.8160	49.722	.31803	-.00108	1.3708	.43831	1.4556

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.55514	.56582	.01161	-.01380	4.9383
SDev	.00006	.00189	.00480	.00585	.0231
%RSD	.01086	.33346	41.304	42.427	.46823
#1	.55509	.56448	.01500	-.00966	4.9220
#2	.55518	.56715	.00822	-.01794	4.9547

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Method: 6010 Sample Name: 89110 Operator: SJ
Run Time: 11/03/99 10:02:10
Comment: DW-B-10
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04863	-.00302	.13481	-.00836	-.00274	76.480	.33895
SDev	.00207	.00455	.00027	.00444	.00198	.641	.00293
%RSD	4.2568	150.48	.19888	53.073	72.295	.83757	.86572
#1	.04716	.00019	.13462	-.00522	-.00414	76.027	.33688
#2	.05009	-.00624	.13500	-.01150	-.00134	76.933	.34103

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00365	-.00398	112.97	.10615	.08074	.25047	174.74
SDev	.00005	.00019	.90	.00120	.00093	.00251	1.43
%RSD	1.3243	4.6812	.79544	1.1265	1.1545	1.0032	.82021
#1	.00362	-.00385	112.33	.10531	.08008	.24869	173.73
#2	.00369	-.00411	113.60	.10700	.08139	.25225	175.75

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.0766	54.631	.15646	-.00012	1.4743	.10104	.48186
SDev	.0338	.434	.00173	.00081	.0141	.00227	.00553
%RSD	.82987	.79441	1.1083	697.25	.95604	2.2489	1.1486
#1	4.0527	54.324	.15524	-.00069	1.4643	.09943	.47795
#2	4.1005	54.938	.15769	.00046	1.4843	.10265	.48578

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.13727	.13358	.00350	-.01428	7.3516
SDev	.00051	.00066	.00097	.00714	.0794
%RSD	.37065	.49107	27.617	49.959	1.0806
#1	.13763	.13312	.00282	-.00924	7.2954
#2	.13691	.13405	.00418	-.01933	7.4078

Method: 6010 Sample Name: 89108D Operator: SJ
Run Time: 11/03/99 10:04:50
Comment: MW-1.2D
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03188	.00342	.52223	-.01437	.00350	84.617	.53659
SDev	.00061	.00757	.00172	.00210	.00007	.216	.00113
%RSD	1.9241	221.35	.33032	14.623	2.1123	.25513	.21019
#1	.03231	-.00193	.52101	-.01585	.00355	84.770	.53739
#2	.03144	.00877	.52345	-.01288	.00345	84.465	.53579

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00403	-.00033	416.64	.12147	.07464	.29405	188.50
SDev	.00002	.00023	.75	.00058	.00070	.00083	.45
%RSD	.60177	70.344	.17952	.47972	.93656	.28371	.24084
#1	.00404	-.00016	417.17	.12188	.07513	.29464	188.82
#2	.00401	-.00049	416.11	.12106	.07414	.29346	188.18

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3206	114.20	.15009	.00237	55.955	.13080	.70671
SDev	.0139	.23	.00016	.00021	.317	.00106	.00020
%RSD	.21995	.20015	.10847	8.8131	.56579	.80905	.02832
#1	6.3304	114.36	.14998	.00251	56.179	.13155	.70657
#2	6.3108	114.04	.15021	.00222	55.732	.13006	.70685

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.49743	.53462	.02278	-.03291	10.346
SDev	.00106	.00312	.00254	.00188	.038
%RSD	.21392	.58314	11.139	5.7218	.36768
#1	.49818	.53242	.02098	-.03424	10.373
#2	.49667	.53682	.02457	-.03158	10.319

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Method: 6010 Sample Name: 89108LX5 Operator: SJ
Run Time: 11/03/99 10:07:28
Comment: MW-1.2LX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00591	-.00068	.10845	-.00447	-.00284	16.424	.11061
SDev	.00100	.00534	.00017	.00185	.00122	.024	.00039
%RSD	16.867	784.75	.15589	41.330	42.923	.14730	.34933
#1	.00661	-.00445	.10833	-.00578	-.00198	16.407	.11033
#2	.00520	.00309	.10857	-.00316	-.00370	16.442	.11088

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00104	-.00116	90.030	.02524	.01499	.05783	39.692
SDev	.00001	.00005	.003	.00006	.00023	.00006	.006
%RSD	1.1960	4.0390	.00385	.25432	1.5541	.09659	.01456
#1	.00103	-.00113	90.027	.02520	.01516	.05780	39.688
#2	.00105	-.00119	90.032	.02529	.01483	.05787	39.697

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.3520	22.980	.03078	.00066	11.872	.02637	.15083
SDev	.0022	.002	.00076	.00035	.031	.00042	.00094
%RSD	.16443	.00933	2.4848	52.867	.26485	1.5927	.62609
#1	1.3504	22.979	.03132	.00091	11.849	.02666	.15149
#2	1.3536	22.982	.03024	.00042	11.894	.02607	.15016

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.10665	.10935	.00252	-.00796	1.9961
SDev	.00377	.00163	.00713	.00079	.0074
%RSD	3.5393	1.4916	282.46	9.9220	.37079
#1	.10398	.11050	-.00252	-.00740	2.0013
#2	.10931	.10819	.00757	-.00852	1.9909

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Method: 6010 Sample Name: 89109S Operator: SJ
Run Time: 11/03/99 10:11:30
Comment: DW-SOUTHS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2330	2.0564	1.0901	2.1139	.51321	89.741	2.6618
SDev	.0007	.0048	.0032	.0009	.00001	.064	.0015
%RSD	.03089	.23194	.29568	.04423	.00221	.07107	.05492
#1	2.2325	2.0597	1.0878	2.1145	.51322	89.696	2.6629
#2	2.2334	2.0530	1.0923	2.1132	.51320	89.786	2.6608

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05670	.05000	50.426	.77990	.66681	.67118	241.19
SDev	.00005	.00035	.121	.00150	.00163	.00045	.32
%RSD	.08617	.70163	.23920	.19240	.24462	.06715	.13249
#1	.05666	.04975	50.341	.77884	.66566	.67150	240.97
#2	.05673	.05025	50.512	.78097	.66796	.67087	241.42

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1603	48.078	.79698	.04729	1.3125	.90800	1.9155
SDev	.0074	.139	.00323	.00035	.0022	.00106	.0101
%RSD	.17739	.28901	.40549	.73932	.16521	.11723	.52700
#1	4.1551	47.980	.79470	.04705	1.3110	.90725	1.9083
#2	4.1656	48.176	.79927	.04754	1.3141	.90875	1.9226

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0862	1.0920	2.1047	2.1185	4.7640
SDev	.0012	.0054	.0089	.0030	.0257
%RSD	.10962	.49696	.42227	.14328	.54016
#1	1.0871	1.0881	2.1110	2.1163	4.7458
#2	1.0854	1.0958	2.0984	2.1206	4.7822

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Method: 6010 Sample Name: 89109SD Operator: SJ
Run Time: 11/03/99 10:14:00
Comment: DW-SOUTHSD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2332	2.0670	1.0958	2.1118	.51632	90.064	2.6690
SDev	.0092	.0020	.0011	.0055	.00412	.179	.0030
%RSD	.41195	.09615	.10022	.26112	.79761	.19830	.11346
#1	2.2267	2.0684	1.0966	2.1157	.51340	90.190	2.6712
#2	2.2397	2.0656	1.0950	2.1079	.51923	89.938	2.6669

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05701	.05022	50.742	.78403	.66912	.67258	242.79
SDev	.00003	.00004	.021	.00068	.00023	.00119	.25
%RSD	.04300	.07437	.04095	.08697	.03482	.17699	.10103
#1	.05699	.05025	50.727	.78451	.66928	.67342	242.96
#2	.05703	.05019	50.757	.78355	.66895	.67173	242.62

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.1817	48.423	.80244	.04716	1.3141	.91162	1.9296
SDev	.0011	.039	.00029	.00073	.0022	.00031	.0012
%RSD	.02629	.07970	.03596	1.5417	.16501	.03412	.06393
#1	4.1809	48.396	.80265	.04665	1.3156	.91140	1.9287
#2	4.1825	48.450	.80224	.04768	1.3125	.91184	1.9305

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0845	1.1015	2.1032	2.1161	4.7733
SDev	.0015	.0009	.0010	.0088	.0015
%RSD	.13420	.08351	.04639	.41372	.03126
#1	1.0855	1.1021	2.1025	2.1222	4.7743
#2	1.0835	1.1008	2.1039	2.1099	4.7722

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Method: 6010 Sample Name: 89109D Operator: SJ
Run Time: 11/03/99 10:21:15
Comment: DW-SOUTHD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07654	.00202	.56399	-.00628	.00714	90.706	.79474
SDev	.00015	.00101	.00443	.00284	.00222	.639	.00416
%RSD	.20032	50.084	.78622	45.174	31.129	.70476	.52297
#1	.07644	.00274	.56085	-.00428	.00872	90.254	.79180
#2	.07665	.00131	.56712	-.00829	.00557	91.158	.79768

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00674	.00062	52.014	.61282	.17004	.44108	248.06
SDev	.00009	.00051	.380	.00484	.00233	.00292	1.58
%RSD	1.2582	81.966	.73120	.78964	1.3704	.66178	.63777
#1	.00668	.00026	51.745	.60939	.16839	.43902	246.94
#2	.00680	.00098	52.283	.61624	.17169	.44314	249.18

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8127	49.811	.32038	.00043	1.3378	.43822	1.4674
SDev	.0248	.371	.00210	.00047	.0163	.00376	.0094
%RSD	.65066	.74559	.65391	109.43	1.2157	.85899	.64074
#1	3.7951	49.548	.31890	.00010	1.3263	.43556	1.4607
#2	3.8302	50.073	.32186	.00076	1.3493	.44088	1.4740

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.56166	.56515	.00555	-.01219	4.9204
SDev	.00262	.00534	.00501	.00175	.0567
%RSD	.46566	.94526	90.246	14.375	1.1521
#1	.55981	.56137	.00910	-.01095	4.8803
#2	.56351	.56892	.00201	-.01343	4.9605

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Method: 6010 Sample Name: 89285 Operator: SJ
Run Time: 11/03/99 10:26:03
Comment: SWC13-12F37S-N
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04581	-.00403	3.2148	-.00165	.00370	67.316	1.1765
SDev	.00544	.00270	.0203	.00613	.00166	.263	.0049
%RSD	11.883	67.085	.63076	371.51	44.924	.39042	.41453
#1	.04196	-.00594	3.2004	.00268	.00488	67.130	1.1730
#2	.04966	-.00212	3.2291	-.00598	.00253	67.502	1.1799

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00330	-.00074	237.76	.30250	.10759	.40843	167.79
SDev	.00001	.00005	1.84	.00189	.00023	.00141	1.06
%RSD	.35247	6.3595	.77359	.62411	.21657	.34623	.63007
#1	.00329	-.00078	236.46	.30117	.10743	.40743	167.04
#2	.00331	-.00071	239.06	.30384	.10776	.40943	168.53

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.6878	49.121	.13176	.00082	1.7120	.13405	.88121
SDev	.0297	.333	.00034	.00058	.0098	.00175	.00809
%RSD	.63274	.67747	.25876	70.718	.56999	1.3055	.91844
#1	4.6668	48.886	.13152	.00041	1.7051	.13281	.87549
#2	4.7088	49.357	.13200	.00124	1.7189	.13528	.88694

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.1485	3.2478	.01709	-.01100	4.5175
SDev	.0219	.0195	.00508	.00665	.0246
%RSD	.69514	.59961	29.748	60.415	.54488
#1	3.1330	3.2341	.02068	-.00630	4.5000
#2	3.1640	3.2616	.01349	-.01570	4.5349

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 10:28:27
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7351	2.5974	2.6656	2.6248	2.6721	25.667	2.4621
SDev	.0125	.0024	.0218	.0077	.0035	.152	.0121
%RSD	.45690	.09300	.81863	.29420	.13046	.59252	.49285
#1	2.7439	2.5992	2.6810	2.6303	2.6746	25.774	2.4707
#2	2.7262	2.5957	2.6501	2.6193	2.6697	25.559	2.4535

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52576	2.6411	26.214	2.5543	2.6381	2.4617	10.901
SDev	.00291	.0114	.171	.0134	.0151	.0143	.056
%RSD	.55387	.43013	.65170	.52586	.57413	.57951	.51266
#1	.52782	2.6491	26.335	2.5638	2.6488	2.4718	10.940
#2	.52370	2.6330	26.093	2.5448	2.6274	2.4516	10.861

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5415	26.020	2.5830	1.4657	25.124	2.5381	2.7361
SDev	.0137	.153	.0119	.0051	.143	.0189	.0156
%RSD	.53743	.58662	.46150	.34703	.57040	.74633	.56931
#1	2.5512	26.128	2.5914	1.4693	25.226	2.5515	2.7471
#2	2.5319	25.912	2.5745	1.4621	25.023	2.5247	2.7251

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5998	2.6984	2.5813	2.6465	25.685
SDev	.0166	.0244	.0093	.0069	.217
%RSD	.63793	.90555	.35984	.26224	.84653
#1	2.6115	2.7157	2.5879	2.6514	25.839
#2	2.5881	2.6811	2.5748	2.6416	25.531

Method: 6010 Sample Name: CCB3 Operator: SJ
Run Time: 11/03/99 10:30:37
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00358	-.00017	.00090	-.00063	-.00390	.00081	-.00013
SDev	.00230	.00322	.00055	.00310	.00271	.00022	.00005
%RSD	64.282	1842.3	60.624	489.42	69.543	27.760	41.595
#1	.00195	.00210	.00128	.00156	-.00581	.00065	-.00016
#2	.00520	-.00245	.00051	-.00283	-.00198	.00097	-.00009

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.00031	.00154	-.00002	-.00099	.00039	-.00699
SDev	.00001	.00041	.00000	.00037	.00093	.00033	.00495
%RSD	4.0292	134.16	.00000	1513.5	94.281	85.245	70.817
#1	.00031	-.00060	.00154	-.00028	-.00165	.00015	-.01049
#2	.00030	-.00002	.00154	.00024	-.00033	.00062	-.00349

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.00058	.00071	-.00001	.00613	-.00072	.00000
SDev	.00014	.00082	.00057	.00096	.00000	.00006	.00057
%RSD	275.31	141.42	79.830	13812.	.00000	8.3542	324380.
#1	-.00015	-.00000	.00031	-.00069	.00613	-.00068	.00040
#2	.00005	.00116	.00111	.00067	.00613	-.00076	-.00040

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00355	-.00043	.00445	-.00317	-.03059
SDev	.00065	.00114	.00374	.00278	.02238
%RSD	18.245	268.26	84.027	87.748	73.149
#1	.00309	.00038	.00710	-.00120	-.04641
#2	.00401	-.00123	.00181	-.00514	-.01477

Method: 6010 Sample Name: 88138 Operator: SJ
Run Time: 11/03/99 10:34:23
Comment: 13839C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00417	.00271	-.00099	-.00143	-.00741	.00271	-.00018
SDev	.00238	.00334	.00101	.00250	.00379	.00337	.00006
%RSD	56.936	123.23	102.01	175.06	51.209	124.33	35.355
#1	.00249	.00035	-.00028	-.00320	-.01009	.00509	-.00022
#2	.00585	.00508	-.00170	.00034	-.00472	.00033	-.00013

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00031	-.00049	.00000	-.00058	-.00099	-.00000	-.02565
SDev	.00004	.00000	.00000	.00009	.00093	.00011	.00329
%RSD	12.157	.08805	.00000	14.772	94.281	3053.8	12.842
#1	.00033	-.00049	.00000	-.00064	-.00165	.00007	-.02798
#2	.00028	-.00049	.00000	-.00052	-.00033	-.00008	-.02332

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00022	-.00551	.00037	.00033	1.2136	-.00068	-.00113
SDev	.00005	.00041	.00026	.00057	.0314	.00036	.00066
%RSD	24.602	7.4432	70.308	173.94	2.5908	53.103	58.258
#1	-.00026	-.00522	.00019	-.00008	1.2359	-.00093	-.00160
#2	-.00018	-.00580	.00056	.00073	1.1914	-.00042	-.00067

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00149	-.00074	.01478	-.00952	-.04852
SDev	.00048	.00127	.00648	.00052	.00075
%RSD	32.440	172.18	43.839	5.4627	1.5372
#1	-.00115	.00016	.01020	-.00989	-.04800
#2	-.00183	-.00164	.01936	-.00915	-.04905

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Method: 6010 Sample Name: 88281 Operator: SJ
Run Time: 11/03/99 10:36:48
Comment: 13855C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00488	.00344	.13236	.00115	.29688	.63644	.14790
SDev	.00092	.00359	.00069	.00137	.00506	.01614	.00046
%RSD	18.856	104.29	.52285	119.39	1.7036	2.5362	.31066
#1	.00553	.00598	.13187	.00212	.29330	.64785	.14758
#2	.00423	.00090	.13284	.00018	.30046	.62502	.14823

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	.01218	33.781	.04032	.00082	.15129	1.0173
SDev	.00002	.00040	.083	.00088	.00070	.00071	.0107
%RSD	5.6295	3.3043	.24480	2.1718	84.853	.47203	1.0535
#1	.00042	.01247	33.723	.04094	.00132	.15079	1.0249
#2	.00045	.01190	33.840	.03970	.00033	.15180	1.0097

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02459	8.8936	.00238	.00088	23.368	.00097	.15313
SDev	.00003	.0217	.00046	.00009	.054	.00036	.00076
%RSD	.13049	.24453	19.205	9.9455	.23199	37.111	.49310
#1	.02457	8.8782	.00271	.00094	23.329	.00072	.15366
#2	.02461	8.9090	.00206	.00082	23.406	.00123	.15259

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.12962	.13372	.01297	-.00475	1.7817
SDev	.00031	.00119	.00109	.00152	.0007
%RSD	.23572	.88994	8.4412	31.920	.04187
#1	.12983	.13288	.01374	-.00368	1.7822
#2	.12940	.13456	.01219	-.00582	1.7811

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Analysis Report 11/03/99 10:40:34 AM

Method: 6010 Sample Name: 88282 Operator: SJ
Run Time: 11/03/99 10:38:48
Comment: 13855C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00445	.00960	.03879	.00423	.10499	.15387	.10470
SDev	.00015	.00025	.00040	.00066	.00375	.00266	.00007
%RSD	3.4493	2.5797	1.0226	15.583	3.5692	1.7288	.06982
#1	.00434	.00978	.03907	.00470	.10764	.15575	.10475
#2	.00455	.00943	.03851	.00376	.10234	.15198	.10465

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	.00417	29.657	.01283	.00066	.09962	.31665
SDev	.00000	.00000	.011	.00055	.00047	.00022	.02184
%RSD	.11262	.06809	.03669	4.2871	70.711	.22411	6.8969
#1	.00044	.00417	29.650	.01322	.00099	.09978	.33209
#2	.00044	.00417	29.665	.01244	.00033	.09946	.30120

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02172	6.7022	.00211	.00039	18.338	-.00040	.11022
SDev	.00016	.0098	.00030	.00045	.009	.00126	.00123
%RSD	.75601	.14694	14.425	117.19	.04730	317.60	1.1131
#1	.02183	6.7091	.00232	.00070	18.332	.00049	.11109
#2	.02160	6.6952	.00189	.00007	18.345	-.00129	.10935

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.03884	.03877	.01242	.00014	4.4478
SDev	.00228	.00173	.00301	.00051	.0015
%RSD	5.8627	4.4668	24.221	370.47	.03354
#1	.03723	.03999	.01455	-.00022	4.4489
#2	.04045	.03754	.01030	.00050	4.4468

Analysis Report 11/03/99 10:47:25 AM page 1

Method: 6010 Sample Name: 89109X10 Operator: SJ
Run Time: 11/03/99 10:45:59
Comment: 13835C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00542	-.00147	.34499	.00048	.00518	5.3549	.04574
SDev	.00184	.00013	.00248	.00351	.00167	.0246	.00010
%RSD	33.941	8.6436	.71754	731.09	32.236	.45994	.22832
#1	.00672	-.00156	.34324	.00297	.00400	5.3375	.04566
#2	.00412	-.00138	.34674	-.00200	.00636	5.3724	.04581

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00013	.00253	149.89	.00539	.19179	.01575	4.0508
SDev	.00001	.00001	1.10	.00012	.00093	.00022	.0062
%RSD	9.3504	.48727	.73102	2.2943	.48598	1.4037	.15281
#1	.00012	.00254	149.12	.00531	.19113	.01559	4.0464
#2	.00014	.00252	150.67	.00548	.19245	.01590	4.0551

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10115	9.3593	.00813	.00154	8.1611	.00427	10.370
SDev	.00060	.0451	.00006	.00027	.0271	.00066	.069
%RSD	.59346	.48224	.80028	17.453	.33213	15.456	.66370
#1	.10073	9.3273	.00809	.00135	8.1419	.00380	10.322
#2	.10158	9.3912	.00818	.00173	8.1803	.00473	10.419

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.34212	.34642	.00670	-.00263	3.3843
SDev	.00278	.00510	.00967	.00044	.0213
%RSD	.81241	1.4719	144.32	16.750	.62814
#1	.34408	.34282	.01354	-.00231	3.3692
#2	.34015	.35003	-.00014	-.00294	3.3993

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Method: 6010 Sample Name: 89110X10 Operator: SJ
Run Time: 11/03/99 10:48:20
Comment: 13835C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00488	.00298	2.1303	-.00346	-.00427	3.2640	1.2068
SDev	.00031	.00075	.0031	.00741	.00524	.0041	.0018
%RSD	6.2854	24.998	.14710	214.15	122.73	.12427	.15143
#1	.00510	.00351	2.1325	.00178	-.00797	3.2669	1.2081
#2	.00466	.00245	2.1281	-.00870	-.00056	3.2611	1.2055

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.02695	126.25	.00587	.19212	.01926	4.9213
SDev	.00000	.00022	.08	.00071	.00047	.00049	.0190
%RSD	.38548	.82276	.06464	12.122	.24257	2.5591	.38561
#1	.00010	.02679	126.31	.00537	.19245	.01891	4.9347
#2	.00010	.02711	126.19	.00637	.19179	.01961	4.9078

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07204	6.4068	.00521	.00206	6.9728	.00338	33.991
SDev	.00001	.0025	.00070	.00009	.0206	.00102	.011
%RSD	.01757	.03843	13.427	4.3733	.29544	30.206	.03361
#1	.07203	6.4051	.00472	.00199	6.9873	.00266	33.983
#2	.07205	6.4086	.00571	.00212	6.9582	.00410	33.999

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.0931	2.1488	.00570	-.00803	3.2951
SDev	.0034	.0030	.00739	.00742	.0011
%RSD	.16028	.14069	129.54	92.315	.03395
#1	2.0955	2.1510	.01093	-.00279	3.2959
#2	2.0908	2.1467	.00048	-.01328	3.2943

Method: 6010 Sample Name: 89107S Operator: SJ
Run Time: 11/03/99 10:54:20
Comment: MW-2.2S
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3891	2.2440	.84843	2.3494	.53277	8.9394	2.2630
SDev	.0016	.0058	.00052	.0022	.00104	.0035	.0004
%RSD	.06739	.26041	.06132	.09307	.19483	.03941	.01569
#1	2.3879	2.2399	.84806	2.3509	.53350	8.9369	2.2632
#2	2.3902	2.2482	.84879	2.3479	.53204	8.9419	2.2627

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05370	.05677	202.46	.20476	.54208	.32324	14.742
SDev	.00010	.00023	.32	.00133	.00047	.00005	.010
%RSD	.18246	.40419	.16015	.64689	.08597	.01659	.06986
#1	.05363	.05661	202.23	.20383	.54175	.32328	14.735
#2	.05377	.05693	202.69	.20570	.54241	.32321	14.749

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1925	20.364	.50954	.04757	67.404	.50338	.87556
SDev	.0043	.029	.00155	.00023	.029	.00144	.00208
%RSD	.13593	.14306	.30415	.48635	.04343	.28574	.23720
#1	3.1895	20.343	.50845	.04741	67.425	.50237	.87409
#2	3.1956	20.384	.51064	.04773	67.383	.50440	.87703

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.83977	.85275	2.3373	2.3554	6.3519
SDev	.00009	.00073	.0018	.0024	.0022
%RSD	.01107	.08602	.07821	.10043	.03523
#1	.83971	.85223	2.3386	2.3571	6.3503
#2	.83984	.85327	2.3360	2.3537	6.3534

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Method: 6010 Sample Name: 89107SD Operator: SJ
Run Time: 11/03/99 10:56:14
Comment: MW-2.2SD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3954	2.2255	.84813	2.3541	.53548	8.9391	2.2658
SDev	.0040	.0093	.00163	.0083	.00117	.0014	.0021
%RSD	.16642	.41760	.19200	.35048	.21907	.01571	.09264
#1	2.3982	2.2189	.84698	2.3483	.53631	8.9400	2.2672
#2	2.3926	2.2321	.84928	2.3600	.53465	8.9381	2.2643

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05374	.05663	202.61	.20448	.54241	.32328	14.730
SDev	.00003	.00010	.29	.00095	.00047	.00000	.012
%RSD	.04737	.18065	.14366	.46261	.08592	.00051	.08104
#1	.05376	.05656	202.41	.20381	.54208	.32328	14.722
#2	.05372	.05671	202.82	.20515	.54274	.32328	14.739

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1941	20.386	.51018	.04732	67.330	.50351	.87903
SDev	.0019	.025	.00065	.00003	.022	.00210	.00094
%RSD	.05970	.12479	.12825	.05389	.03220	.41665	.10738
#1	3.1927	20.368	.50971	.04734	67.314	.50203	.87836
#2	3.1954	20.404	.51064	.04730	67.345	.50499	.87970

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.83804	.85317	2.3413	2.3606	6.3366
SDev	.00010	.00239	.0079	.0163	.0119
%RSD	.01218	.28019	.33914	.69195	.18834
#1	.83797	.85148	2.3469	2.3490	6.3281
#2	.83811	.85486	2.3357	2.3721	6.3450

000101

Analysis Report 11/03/99 11:03:49 AM page 1

Method: 6010 Sample Name: 89286 Operator: SJ
Run Time: 11/03/99 11:02:16
Comment: SWC13-11F12S-N
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11606	.00420	13.414	-.00303	.02374	97.927	5.7974
SDev	.00115	.00689	.202	.00111	.00356	1.000	.0501
%RSD	.99081	163.98	1.5052	36.549	15.006	1.0212	.86461
#1	.11525	-.00067	13.271	-.00225	.02626	97.220	5.7620
#2	.11688	.00908	13.557	-.00382	.02122	98.634	5.8329

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00443	.07534	264.89	.63117	.17531	H70.094	213.26
SDev	.00006	.00069	3.05	.00721	.00186	.725	2.34
%RSD	1.3540	.91270	1.1504	1.1428	1.0633	1.0343	1.0995
#1	.00439	.07485	262.74	.62607	.17399	H69.581	211.60
#2	.00448	.07583	267.04	.63627	.17663	H70.607	214.91

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.4752	64.730	.27789	.01541	2.4909	.22501	8.2239
SDev	.0562	.713	.00289	.00079	.0358	.00403	.0923
%RSD	1.0256	1.1017	1.0412	5.1260	1.4364	1.7906	1.1221
#1	5.4355	64.226	.27585	.01485	2.4656	.22216	8.1586
#2	5.5149	65.235	.27994	.01597	2.5162	.22786	8.2891

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	13.168	13.537	.02031	-.01469	5.7569
SDev	.091	.257	.00304	.00318	.0716
%RSD	.69084	1.9008	14.971	21.655	1.2438
#1	13.104	13.355	.01816	-.01244	5.7063
#2	13.232	13.718	.02246	-.01694	5.8076

000102

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Method: 6010 Sample Name: 89288 Operator: SJ
Run Time: 11/03/99 11:04:54
Comment: A1B1
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05047	-.00946	.15247	-.00876	.00737	107.97	.59466
SDev	.00023	.00030	.00092	.00085	.00275	.59	.00274
%RSD	.45571	3.1803	.60066	9.6838	37.263	.54492	.46010
#1	.05031	-.00967	.15182	-.00816	.00543	107.55	.59273
#2	.05063	-.00924	.15312	-.00936	.00931	108.38	.59660

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00506	-.00426	249.99	.82905	.11286	.30300	254.67
SDev	.00002	.00004	1.67	.00589	.00163	.00153	1.48
%RSD	.47228	.98894	.66771	.71100	1.4452	.50434	.58042
#1	.00504	-.00423	248.81	.82488	.11171	.30192	253.63
#2	.00508	-.00429	251.17	.83321	.11402	.30408	255.72

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.0639	67.030	.24655	-.00033	2.0316	.16146	.61453
SDev	.0375	.440	.00055	.00005	.0130	.00191	.00261
%RSD	.61858	.65621	.22377	16.397	.64040	1.1832	.42419
#1	6.0373	66.719	.24616	-.00029	2.0224	.16011	.61268
#2	6.0904	67.341	.24694	-.00036	2.0408	.16281	.61637

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.15672	.15035	.01683	-.02154	10.649
SDev	.00233	.00254	.00164	.00209	.074
%RSD	1.4898	1.6885	9.7190	9.6975	.69342
#1	.15837	.14855	.01568	-.02006	10.597
#2	.15507	.15214	.01799	-.02302	10.702

Method: 6010 Sample Name: 89289 Operator: SJ
Run Time: 11/03/99 11:07:19
Comment: A1B2
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04808	-.00928	.33263	-.00592	.00014	80.784	.25902
SDev	.00023	.00567	.00161	.00216	.00179	.385	.00132
%RSD	.47832	61.087	.48441	36.544	1323.2	.47663	.50798
#1	.04792	-.00527	.33149	-.00745	-.00113	80.512	.25809
#2	.04825	-.01329	.33377	-.00439	.00140	81.056	.25995

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00440	-.00328	266.55	.37475	.11270	.38500	213.66
SDev	.00000	.00009	.33	.00090	.00093	.00194	.51
%RSD	.00405	2.7144	.12328	.23990	.82703	.50460	.23736
#1	.00440	-.00322	266.31	.37411	.11336	.38362	213.30
#2	.00440	-.00334	266.78	.37539	.11204	.38637	214.02

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.1932	62.409	.45071	.00127	1.4820	.23682	.78066
SDev	.0195	.113	.00051	.00101	.0076	.00046	.00103
%RSD	.31470	.18081	.11326	79.097	.51213	.19268	.13142
#1	6.1794	62.330	.45035	.00198	1.4766	.23650	.77993
#2	6.2070	62.489	.45107	.00056	1.4873	.23714	.78138

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.32727	.33530	.02248	-.02010	5.6193
SDev	.00133	.00175	.00316	.00167	.0060
%RSD	.40588	.52268	14.041	8.2977	.10619
#1	.32633	.33406	.02025	-.02128	5.6150
#2	.32821	.33654	.02471	-.01892	5.6235

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Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 11:09:34
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7290	2.5776	2.6574	2.6268	2.6484	25.512	2.4487
SDev	.0024	.0001	.0036	.0062	.0330	.060	.0087
%RSD	.08709	.00453	.13448	.23603	1.2447	.23421	.35483
#1	2.7273	2.5775	2.6599	2.6224	2.6251	25.469	2.4426
#2	2.7307	2.5777	2.6549	2.6311	2.6717	25.554	2.4548

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52340	2.6317	26.161	2.5369	2.6206	2.4625	10.879
SDev	.00022	.0043	.085	.0006	.0026	.0097	.036
%RSD	.04262	.16427	.32443	.02304	.09780	.39549	.33030
#1	.52356	2.6348	26.221	2.5373	2.6224	2.4556	10.904
#2	.52325	2.6287	26.101	2.5365	2.6188	2.4694	10.853

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5254	25.905	2.5690	1.4142	24.962	2.5235	2.7180
SDev	.0003	.056	.0026	.0067	.080	.0037	.0092
%RSD	.01220	.21542	.09937	.47067	.32125	.14499	.33693
#1	2.5257	25.945	2.5708	1.4095	24.905	2.5209	2.7245
#2	2.5252	25.866	2.5672	1.4189	25.019	2.5261	2.7115

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5961	2.6880	2.5918	2.6442	25.542
SDev	.0034	.0037	.0181	.0003	.080
%RSD	.13066	.13632	.69705	.01044	.31247
#1	2.5985	2.6906	2.5790	2.6440	25.486
#2	2.5937	2.6854	2.6046	2.6444	25.598

Method: 6010 Sample Name: CCB4 Operator: SJ
Run Time: 11/03/99 11:11:44
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00076	-.00175	.00129	-.00003	-.00734	.00129	-.00004
SDev	.00153	.00149	.00025	.00028	.00370	.00088	.00010
%RSD	202.03	84.883	19.067	969.78	50.417	68.573	235.70
#1	.00184	-.00070	.00146	.00017	-.00473	.00191	.00003
#2	-.00033	-.00280	.00111	-.00023	-.00996	.00066	-.00012

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00041	-.00019	.01231	-.00008	-.00049	.00093	-.01573
SDev	.00001	.00031	.00000	.00074	.00070	.00044	.01813
%RSD	3.0694	166.58	.00000	976.43	141.42	47.524	115.27
#1	.00040	.00003	.01231	.00044	.00000	.00125	-.00291
#2	.00042	-.00040	.01231	-.00060	-.00099	.00062	-.02855

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00232	.00009	.00018	.02170	-.00080	.00087
SDev	.00006	.00328	.00039	.00027	.00381	.00066	.00010
%RSD	346.70	141.42	417.93	154.58	17.546	81.846	10.926
#1	.00002	.00464	.00037	.00037	.01901	-.00034	.00080
#2	-.00006	-.00000	-.00018	-.00002	.02440	-.00127	.00094

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00035	.00176	.00219	-.00114	-.01978
SDev	.00012	.00043	.00219	.00152	.01977
%RSD	33.573	24.354	99.831	133.02	99.938
#1	.00027	.00206	.00065	-.00007	-.00580
#2	.00044	.00145	.00374	-.00221	-.03376

Method: 6010 Sample Name: 89290 Operator: SJ
Run Time: 11/03/99 11:14:22
Comment: A1B2DUPL
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05573	-.00314	.54279	-.00811	.00040	84.178	.35270
SDev	.00307	.00612	.00387	.00354	.00416	.593	.00213
%RSD	5.5028	194.99	.71376	43.598	1036.8	.70439	.60401
#1	.05356	.00119	.54005	-.00561	.00334	83.759	.35119
#2	.05790	-.00746	.54553	-.01061	-.00254	84.597	.35420

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00474	-.00347	250.35	.33230	.11682	.36273	227.25
SDev	.00002	.00014	1.81	.00248	.00210	.00191	1.48
%RSD	.47677	4.1144	.72171	.74491	1.7952	.52745	.64954
#1	.00472	-.00357	249.08	.33055	.11534	.36137	226.20
#2	.00475	-.00337	251.63	.33405	.11830	.36408	228.29

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.3758	63.578	.51976	.00037	1.5433	.40700	.84681
SDev	.0413	.447	.00295	.00028	.0184	.00527	.00440
%RSD	.64721	.70346	.56836	74.365	1.1943	1.2944	.51968
#1	6.3466	63.262	.51767	.00018	1.5303	.40327	.84370
#2	6.4050	63.894	.52185	.00057	1.5563	.41072	.84992

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.53547	.54644	.01722	-.02076	6.5246
SDev	.00399	.00780	.01078	.00008	.0511
%RSD	.74481	1.4273	62.571	.37583	.78310
#1	.53829	.54093	.02484	-.02081	6.4885
#2	.53265	.55196	.00960	-.02070	6.5607

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Method: 6010 Sample Name: 89291 Operator: SJ
Run Time: 11/03/99 11:16:32
Comment: A1B3
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07291	-.00204	2.4146	-.00792	.00432	100.34	1.2744
SDev	.00130	.00227	.0010	.00199	.00307	.27	.0044
%RSD	1.7875	111.58	.04001	25.198	70.884	.27343	.34250
#1	.07199	-.00043	2.4139	-.00933	.00216	100.15	1.2713
#2	.07383	-.00364	2.4153	-.00650	.00649	100.54	1.2775

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00532	.00023	224.52	.61892	.14862	.95565	248.09
SDev	.00001	.00017	.17	.00100	.00093	.00311	.17
%RSD	.21755	74.050	.07391	.16175	.62715	.32509	.06896
#1	.00531	.00011	224.40	.61822	.14796	.95345	247.96
#2	.00533	.00036	224.64	.61963	.14928	.95785	248.21

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6692	65.656	.41297	.00127	2.3145	.63085	1.9387
SDev	.0114	.061	.00040	.00051	.0054	.00191	.0042
%RSD	.20169	.09249	.09758	40.188	.23422	.30287	.21406
#1	5.6611	65.613	.41268	.00163	2.3107	.62950	1.9358
#2	5.6773	65.699	.41325	.00091	2.3184	.63220	1.9417

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.3572	2.4432	.01004	-.01688	7.6981
SDev	.0039	.0005	.00309	.00145	.0324
%RSD	.16532	.02036	30.753	8.5878	.42149
#1	2.3544	2.4436	.00785	-.01790	7.6752
#2	2.3600	2.4429	.01222	-.01585	7.7211

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Method: 6010 Sample Name: 89292 Operator: SJ
Run Time: 11/03/99 11:18:56
Comment: A1B4
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06104	.00149	1.2211	-.00911	.00074	100.61	.77602
SDev	.00184	.01083	.0017	.00199	.00374	.07	.00012
%RSD	3.0143	728.09	.13766	21.846	505.46	.06468	.01480
#1	.05974	.00914	1.2199	-.01051	-.00191	100.56	.77610
#2	.06234	-.00617	1.2223	-.00770	.00339	100.66	.77594

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00593	-.00342	200.91	.19236	.12638	.53049	277.52
SDev	.00005	.00053	.43	.00162	.00117	.00025	.19
%RSD	.81426	15.489	.21312	.84425	.92191	.04642	.06701
#1	.00590	-.00379	200.61	.19121	.12555	.53032	277.39
#2	.00597	-.00305	201.22	.19351	.12720	.53067	277.65

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.2021	65.190	.23974	.00090	1.7319	.38141	1.0438
SDev	.0098	.169	.00049	.00133	.0011	.00251	.0025
%RSD	.15766	.25933	.20409	148.68	.06261	.65795	.24378
#1	6.1952	65.071	.23940	-.00005	1.7311	.37964	1.0420
#2	6.2090	65.310	.24009	.00184	1.7327	.38319	1.0456

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.1937	1.2347	.00890	-.01810	6.6380
SDev	.0076	.0013	.00865	.00134	.0235
%RSD	.63728	.10348	97.175	7.3857	.35396
#1	1.1883	1.2356	.00279	-.01715	6.6214
#2	1.1991	1.2338	.01502	-.01904	6.6546

Method: 6010 Sample Name: 89293 Operator: SJ
Run Time: 11/03/99 11:21:24
Comment: A1B7
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07085	-.00052	.66879	-.00946	.00400	99.551	.81351
SDev	.00207	.00354	.00182	.00326	.00090	.071	.00148
%RSD	2.9215	684.07	.27209	34.501	22.512	.07085	.18229
#1	.06939	.00198	.66751	-.01176	.00464	99.501	.81246
#2	.07232	-.00302	.67008	-.00715	.00336	99.601	.81456

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00499	.01577	177.41	.18985	.12143	.36722	243.53
SDev	.00001	.00010	.18	.00082	.00023	.00010	.08
%RSD	.25382	.65307	.10336	.43424	.19189	.02686	.03367
#1	.00498	.01570	177.28	.18926	.12160	.36715	243.58
#2	.00500	.01584	177.54	.19043	.12127	.36729	243.47

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.0034	63.322	.21317	.00129	2.0661	.13434	1.3958
SDev	.0086	.090	.00061	.00016	.0011	.00090	.0013
%RSD	.14323	.14255	.28416	12.219	.05248	.66664	.09484
#1	5.9973	63.258	.21360	.00140	2.0654	.13497	1.3949
#2	6.0095	63.386	.21274	.00118	2.0669	.13370	1.3967

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.65712	.67462	.00275	-.01555	8.6952
SDev	.00183	.00364	.00465	.00257	.0082
%RSD	.27907	.54013	169.44	16.516	.09436
#1	.65842	.67204	-.00054	-.01736	8.6894
#2	.65583	.67719	.00604	-.01373	8.7010

Method: 6010 Sample Name: 89294 Operator: SJ
Run Time: 11/03/99 11:23:37
Comment: A1B5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06440	.00407	4.3927	-.00914	.00505	101.09	2.4126
SDev	.00307	.00365	.0022	.00156	.00250	.13	.0011
%RSD	4.7617	89.635	.04901	17.067	49.586	.12560	.04588
#1	.06223	.00149	4.3942	-.01025	.00328	101.18	2.4134
#2	.06657	.00666	4.3912	-.00804	.00681	101.01	2.4118

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00550	.00738	218.61	.42049	.15752	.60055	251.60
SDev	.00002	.00006	.27	.00017	.00000	.00068	.52
%RSD	.43766	.80617	.12270	.03936	.00000	.11293	.20614
#1	.00552	.00743	218.80	.42061	.15752	.60103	251.97
#2	.00549	.00734	218.42	.42037	.15752	.60007	251.24

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6047	72.025	.23731	.00105	2.1451	.40668	1.7482
SDev	.0066	.031	.00004	.00005	.0065	.00142	.0033
%RSD	.11753	.04329	.01530	4.9903	.30327	.34795	.18829
#1	5.6094	72.047	.23729	.00109	2.1497	.40768	1.7505
#2	5.6000	72.003	.23734	.00102	2.1405	.40568	1.7458

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.2716	4.4531	-.00125	-.01309	6.7954
SDev	.0115	.0025	.00313	.00078	.0172
%RSD	.27037	.05701	250.90	5.9264	.25247
#1	4.2798	4.4513	-.00346	-.01363	6.8076
#2	4.2635	4.4549	.00097	-.01254	6.7833

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Method: 6010 Sample Name: 89286X10 Operator: SJ
Run Time: 11/03/99 11:27:40
Comment: SWC13-11F12S-NX10
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01572	-.00135	1.4516	-.00115	-.00084	9.8265	.60876
SDev	.00307	.00023	.0022	.00067	.00199	.0381	.00406
%RSD	19.506	17.345	.15082	58.179	236.80	.38777	.66730
#1	.01355	-.00151	1.4501	-.00068	-.00225	9.8534	.61163
#2	.01789	-.00118	1.4532	-.00163	.00057	9.7995	.60588

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	.00802	28.779	.06837	.01845	7.5612	22.855
SDev	.00001	.00011	.004	.00108	.00140	.0507	.041
%RSD	1.4912	1.3611	.01323	1.5841	7.5761	.67062	.17863
#1	.00086	.00794	28.782	.06761	.01747	7.5971	22.884
#2	.00084	.00810	28.776	.06914	.01944	7.5254	22.826

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.59750	6.8620	.03239	.00181	.20163	.02443	.91975
SDev	.00165	.0086	.00103	.00139	.00108	.00102	.00047
%RSD	.27624	.12557	3.1779	76.889	.53772	4.1801	.05144
#1	.59867	6.8560	.03166	.00083	.20086	.02371	.91942
#2	.59634	6.8681	.03312	.00280	.20240	.02515	.92009

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.4269	1.4640	.01223	-.00784	.42432
SDev	.0033	.0016	.00301	.00251	.04364
%RSD	.23099	.11182	24.646	32.056	10.284
#1	1.4246	1.4628	.01010	-.00606	.39346
#2	1.4292	1.4652	.01436	-.00961	.45517

000112

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Method: 6010 Sample Name: 89295 Operator: SJ
Run Time: 11/03/99 11:31:05
Comment: A1B6
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06240	-.00580	42.528	-.00815	.04215	113.81	7.2916
SDev	.00575	.00005	.349	.00265	.00346	.94	.0512
%RSD	9.2151	.85554	.82017	32.494	8.1973	.82528	.70162
#1	.06646	-.00576	42.281	-.00628	.04460	113.15	7.2555
#2	.05833	-.00583	42.775	-.01002	.03971	114.47	7.3278

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00404	.06935	208.78	2.5573	.24929	.98790	274.37
SDev	.00002	.00028	1.52	.0176	.00117	.00753	1.87
%RSD	.59630	.39804	.72759	.68631	.46735	.76208	.68211
#1	.00403	.06915	207.70	2.5449	.24847	.98258	273.05
#2	.00406	.06954	209.85	2.5697	.25012	.99323	275.70

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.3515	67.790	.23416	-.00114	2.4794	.35366	4.4748
SDev	.0371	.480	.00107	.00096	.0282	.00135	.0226
%RSD	.69327	.70757	.45701	84.357	1.1370	.38251	.50536
#1	5.3252	67.451	.23340	-.00046	2.4594	.35270	4.4588
#2	5.3777	68.130	.23492	-.00182	2.4993	.35462	4.4908

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	41.516	43.033	.01359	-.01901	8.2767
SDev	.132	.457	.00340	.00227	.0653
%RSD	.31692	1.0626	25.028	11.953	.78856
#1	41.423	42.710	.01600	-.01740	8.2306
#2	41.609	43.356	.01119	-.02061	8.3229

Method: 6010 Sample Name: 89296 Operator: SJ
Run Time: 11/03/99 11:33:11
Comment: SWC12-13F15E-W
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08934	-.01119	6.0612	-.00453	.01496	130.53	3.0408
SDev	.00261	.00197	.0168	.00448	.00174	.52	.0082
%RSD	2.9177	17.588	.27766	98.833	11.611	.39565	.26890
#1	.09118	-.00980	6.0493	-.00137	.01618	130.17	3.0350
#2	.08749	-.01258	6.0731	-.00770	.01373	130.90	3.0466

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00618	.00337	148.36	1.0102	.18141	.90103	282.22
SDev	.00002	.00046	.51	.0037	.00023	.00185	.66
%RSD	.23844	13.555	.34068	.36259	.12844	.20574	.23316
#1	.00619	.00305	148.00	1.0077	.18157	.89972	281.75
#2	.00617	.00369	148.72	1.0128	.18124	.90234	282.68

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.9297	57.893	.36033	.00006	2.4295	1.1026	1.9392
SDev	.0174	.222	.00137	.00053	.0119	.0062	.0036
%RSD	.29393	.38343	.38117	830.74	.49089	.56277	.18417
#1	5.9174	57.736	.35936	.00044	2.4211	1.0982	1.9367
#2	5.9420	58.050	.36130	-.00031	2.4380	1.1070	1.9417

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.9061	6.1387	.02193	-.01775	10.690
SDev	.0211	.0147	.01072	.00137	.060
%RSD	.35722	.23945	48.877	7.7013	.56171
#1	5.8912	6.1283	.02952	-.01678	10.647
#2	5.9210	6.1491	.01435	-.01872	10.732

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Method: 6010 Sample Name: 89297 Operator: SJ
Run Time: 11/03/99 11:35:28
Comment: SWC13F15S-N
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11341	.00638	4.4253	-.00726	.04700	105.88	2.3149
SDev	.00031	.00920	.0013	.00462	.00160	.08	.0017
%RSD	.27040	144.17	.02982	63.638	3.3963	.07659	.07398
#1	.11319	.01288	4.4263	-.01053	.04813	105.82	2.3136
#2	.11362	-.00012	4.4244	-.00399	.04587	105.94	2.3161

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00632	.00379	110.92	3.4639	.15406	2.7198	409.59
SDev	.00000	.00031	.14	.0015	.00070	.0036	.76
%RSD	.00761	8.0763	.12606	.04218	.45376	.13372	.18532
#1	.00632	.00358	111.02	3.4649	.15356	2.7172	410.12
#2	.00632	.00401	110.82	3.4629	.15455	2.7224	409.05

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.5994	55.350	.63176	-.00306	2.8512	1.5670	4.3811
SDev	.0012	.019	.00067	.00088	.0011	.0012	.0009
%RSD	.02147	.03410	.10567	28.782	.03803	.07875	.01983
#1	5.6002	55.363	.63223	-.00243	2.8504	1.5662	4.3805
#2	5.5985	55.336	.63129	-.00368	2.8520	1.5679	4.3817

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.3095	4.4832	.02137	-.02155	10.042
SDev	.0019	.0010	.00707	.00340	.011
%RSD	.04337	.02331	33.068	15.781	.10771
#1	4.3108	4.4839	.01637	-.02396	10.049
#2	4.3081	4.4824	.02636	-.01915	10.034

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Method: 6010 Sample Name: 89298 Operator: SJ
Run Time: 11/03/99 11:37:25
Comment: SWC11F10S-N
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03995	-.01072	1.4570	-.01086	.00165	80.037	.62070
SDev	.00207	.00256	.0252	.00196	.00485	.594	.00403
%RSD	5.1810	23.905	1.7287	18.069	294.59	.74276	.64941
#1	.03849	-.01254	1.4392	-.00947	-.00178	79.616	.61785
#2	.04142	-.00891	1.4749	-.01224	.00507	80.457	.62355

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00450	-.00157	263.74	.18500	.10759	.35719	199.08
SDev	.00004	.00006	1.26	.00015	.00023	.00198	.76
%RSD	.81076	4.1018	.47776	.08376	.21657	.55388	.38275
#1	.00447	-.00153	262.85	.18489	.10743	.35579	198.54
#2	.00452	-.00162	264.63	.18511	.10776	.35859	199.62

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9915	52.294	.15553	-.00107	1.6131	.14452	.73202
SDev	.0275	.235	.00047	.00032	.0130	.00122	.00083
%RSD	.55176	.44960	.30271	30.444	.80659	.84693	.11348
#1	4.9721	52.127	.15520	-.00084	1.6039	.14365	.73143
#2	5.0110	52.460	.15586	-.00130	1.6223	.14539	.73260

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.4356	1.4678	.00856	-.02055	5.9779
SDev	.0051	.0352	.00270	.00159	.0433
%RSD	.35587	2.3990	31.559	7.7511	.72371
#1	1.4320	1.4429	.01047	-.01942	5.9473
#2	1.4392	1.4927	.00665	-.02168	6.0085

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 11:39:27
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6497	2.5042	2.6021	2.5358	2.5765	25.104	2.3720
SDev	.0101	.0085	.0139	.0100	.0358	.093	.0025
%RSD	.38193	.33886	.53288	.39373	1.3914	.37204	.10345
#1	2.6568	2.5102	2.6119	2.5429	2.5511	25.170	2.3738
#2	2.6425	2.4982	2.5923	2.5288	2.6018	25.038	2.3703

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50617	2.5403	25.531	2.4717	2.5483	2.4120	10.560
SDev	.00225	.0135	.202	.0120	.0149	.0040	.088
%RSD	.44471	.53108	.79274	.48675	.58522	.16485	.83497
#1	.50776	2.5498	25.674	2.4802	2.5588	2.4148	10.623
#2	.50458	2.5307	25.388	2.4632	2.5377	2.4092	10.498

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4637	25.300	2.4926	1.5462	27.286	2.4304	2.6471
SDev	.0119	.153	.0132	.0166	.095	.0082	.0204
%RSD	.48392	.60494	.52806	1.0719	.34995	.33778	.77033
#1	2.4721	25.408	2.5019	1.5580	27.353	2.4362	2.6616
#2	2.4552	25.191	2.4833	1.5345	27.218	2.4246	2.6327

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5305	2.6378	2.4911	2.5582	25.673
SDev	.0165	.0126	.0104	.0098	.130
%RSD	.65127	.47617	.41696	.38243	.50699
#1	2.5422	2.6466	2.4985	2.5651	25.765
#2	2.5189	2.6289	2.4838	2.5512	25.581

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Method: 6010 Sample Name: CCB5 Operator: SJ
Run Time: 11/03/99 11:41:20
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00271	.00289	.00050	-.00029	-.00188	-.01347	-.00003
SDev	.00046	.00310	.00102	.00585	.00384	.00022	.00000
%RSD	16.971	107.20	202.66	2043.8	203.79	1.6639	.00000
#1	.00304	.00070	.00122	.00385	-.00460	-.01363	-.00003
#2	.00239	.00508	-.00022	-.00442	.00083	-.01332	-.00003

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	-.00018	.00654	.00031	.00016	-.00004	-.00583
SDev	.00001	.00014	.00054	.00002	.00023	.00006	.00000
%RSD	3.2900	77.466	8.3189	6.9966	141.42	138.52	.01308
#1	.00038	-.00008	.00616	.00033	.00033	-.00008	-.00583
#2	.00037	-.00028	.00692	.00030	.00000	-.00000	-.00583

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	.00406	.00110	.00047	.00831	.00034	.00093
SDev	.00002	.00246	.00020	.00004	.00000	.00000	.00057
%RSD	15.455	60.609	17.920	9.4081	.00000	.00001	60.600
#1	-.00010	.00580	.00124	.00050	.00831	.00034	.00053
#2	-.00013	.00232	.00096	.00044	.00831	.00034	.00134

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00282	-.00066	.00697	-.00391	-.01899
SDev	.00287	.00009	.00329	.00713	.00820
%RSD	101.80	13.671	47.139	182.44	43.212
#1	.00485	-.00059	.00929	.00113	-.02479
#2	.00079	-.00072	.00465	-.00895	-.01319

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Method: 6010 Sample Name: 89299 Operator: SJ
Run Time: 11/03/99 11:43:39
Comment: SWC12-13F13S-N
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07476	-.00119	.70940	-.00311	.00190	86.043	.33708
SDev	.00437	.00134	.00843	.00670	.00156	.532	.00181
%RSD	5.8456	112.74	1.1884	215.09	81.862	.61864	.53596
#1	.07785	-.00213	.70344	-.00785	.00080	85.667	.33580
#2	.07167	-.00024	.71536	.00162	.00300	86.419	.33836

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00475	-.00427	32.532	.16401	.12588	.37040	227.00
SDev	.00002	.00021	.292	.00061	.00093	.00186	1.87
%RSD	.50607	4.8775	.89806	.36925	.74042	.50163	.82316
#1	.00474	-.00412	32.326	.16358	.12522	.36909	225.68
#2	.00477	-.00442	32.739	.16443	.12654	.37171	228.32

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.6188	50.065	.17563	-.00286	1.4062	.18169	.75963
SDev	.0424	.408	.00179	.00010	.0165	.00147	.00609
%RSD	.75380	.81465	1.0198	3.4304	1.1702	.81065	.80176
#1	5.5889	49.777	.17436	-.00279	1.3945	.18064	.75532
#2	5.6488	50.353	.17689	-.00293	1.4178	.18273	.76393

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.70155	.71332	.01831	-.01381	4.8070
SDev	.00714	.00908	.00450	.01229	.0246
%RSD	1.0173	1.2724	24.580	88.979	.51206
#1	.69650	.70690	.02149	-.02249	4.7896
#2	.70660	.71974	.01512	-.00512	4.8244

Method: 6010 Sample Name: 89300 Operator: SJ
Run Time: 11/03/99 11:46:00
Comment: SWC12-13F38S-N
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05302	-.00377	.19811	-.01031	-.00192	72.457	.32190
SDev	.00230	.01461	.00002	.00057	.00580	.450	.00203
%RSD	4.3381	387.09	.01230	5.5494	301.46	.62065	.62935
#1	.05464	.00655	.19813	-.00991	.00218	72.139	.32047
#2	.05139	-.01410	.19810	-.01071	-.00603	72.775	.32334

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00329	-.00197	327.70	.09762	.09342	.30743	194.85
SDev	.00000	.00014	1.28	.00009	.00023	.00201	.63
%RSD	.00532	7.0632	.39016	.09250	.24942	.65520	.32083
#1	.00329	-.00187	326.79	.09768	.09359	.30601	194.41
#2	.00329	-.00207	328.60	.09755	.09326	.30886	195.29

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.4679	74.426	.16319	-.00095	2.0336	.10257	.55126
SDev	.0346	.294	.00037	.00060	.0129	.00045	.00131
%RSD	.46369	.39474	.22745	63.485	.63573	.43718	.23695
#1	7.4434	74.218	.16293	-.00052	2.0245	.10289	.55034
#2	7.4924	74.633	.16346	-.00137	2.0427	.10226	.55219

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.19706	.19864	.01258	-.02174	8.0969
SDev	.00041	.00024	.00013	.00092	.0339
%RSD	.20791	.12137	1.0478	4.2489	.41915
#1	.19677	.19881	.01249	-.02108	8.0729
#2	.19735	.19847	.01267	-.02239	8.1209

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Method: 6010 Sample Name: 89300D Operator: SJ
Run Time: 11/03/99 11:48:01
Comment: SWC12-13F38S-ND
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05340	-.00607	.19895	-.00975	.00119	72.686	.32270
SDev	.00130	.00320	.00199	.00392	.00374	.035	.00008
%RSD	2.4408	52.779	.99864	40.212	314.92	.04809	.02589
#1	.05248	-.00380	.20036	-.01252	.00383	72.661	.32264
#2	.05432	-.00833	.19755	-.00698	-.00146	72.710	.32276

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00331	-.00185	331.41	.09796	.09408	.30785	196.14
SDev	.00001	.00019	.05	.00004	.00023	.00036	.15
%RSD	.38022	10.205	.01461	.04016	.24767	.11854	.07440
#1	.00330	-.00172	331.45	.09799	.09392	.30759	196.24
#2	.00332	-.00198	331.38	.09794	.09425	.30810	196.04

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.5128	75.044	.16488	-.00127	2.0394	.10408	.55664
SDev	.0033	.039	.00038	.00014	.0000	.00071	.00048
%RSD	.04455	.05195	.23223	10.680	.00000	.68476	.08546
#1	7.5104	75.017	.16515	-.00137	2.0394	.10459	.55630
#2	7.5152	75.072	.16461	-.00117	2.0394	.10358	.55697

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.19615	.20035	.01010	-.01966	8.1082
SDev	.00061	.00267	.00192	.00492	.0112
%RSD	.31334	1.3336	19.031	25.019	.13799
#1	.19659	.20224	.00874	-.02314	8.1003
#2	.19572	.19846	.01146	-.01618	8.1161

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Method: 6010 Sample Name: 89300S Operator: SJ
Run Time: 11/03/99 11:50:18
Comment: SWC12-13F38S-NS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9091	1.7520	.71169	1.7053	.51134	71.692	2.1496
SDev	.0116	.0078	.00155	.0062	.00201	.069	.0004
%RSD	.60638	.44448	.21756	.36510	.39281	.09579	.01700
#1	1.9173	1.7575	.71279	1.7009	.50992	71.740	2.1498
#2	1.9009	1.7465	.71060	1.7097	.51276	71.643	2.1493

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05232	.04535	320.83	.27431	.57092	.54100	190.20
SDev	.00012	.00021	1.07	.00061	.00070	.00042	.60
%RSD	.23462	.46284	.33272	.22146	.12244	.07671	.31800
#1	.05240	.04549	321.58	.27474	.57141	.54129	190.63
#2	.05223	.04520	320.07	.27388	.57042	.54071	189.78

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.6900	72.310	.62494	.04613	1.9538	.56997	1.0197
SDev	.0142	.166	.00142	.00082	.0012	.00111	.0009
%RSD	.18475	.22981	.22736	1.7855	.06015	.19498	.09112
#1	7.7001	72.427	.62594	.04672	1.9547	.57075	1.0203
#2	7.6800	72.192	.62393	.04555	1.9530	.56918	1.0190

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.70502	.71502	1.6846	1.7157	7.7419
SDev	.00215	.00125	.0053	.0067	.0198
%RSD	.30424	.17489	.31647	.38895	.25531
#1	.70653	.71591	1.6809	1.7110	7.7559
#2	.70350	.71414	1.6884	1.7204	7.7279

Method: 6010 Sample Name: 89300SD Operator: SJ
Run Time: 11/03/99 11:52:27
Comment: SWC12-13F38S-NSD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9032	1.7530	.71370	1.7056	.51158	71.984	2.1576
SDev	.0063	.0054	.00214	.0029	.00132	.072	.0037
%RSD	.33031	.30613	.29931	.16727	.25828	.10028	.17376
#1	1.9076	1.7568	.71521	1.7035	.51252	72.035	2.1602
#2	1.8988	1.7492	.71219	1.7076	.51065	71.933	2.1549

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05250	.04512	321.39	.27561	.57207	.54307	190.51
SDev	.00023	.00002	1.26	.00089	.00186	.00079	.92
%RSD	.44436	.04190	.39139	.32413	.32585	.14536	.48283
#1	.05266	.04513	322.28	.27624	.57339	.54363	191.16
#2	.05233	.04510	320.50	.27498	.57075	.54251	189.86

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.7022	72.455	.62600	.04620	1.9638	.57317	1.0218
SDev	.0212	.233	.00101	.00104	.0035	.00194	.0047
%RSD	.27524	.32166	.16066	2.2539	.17954	.33780	.45977
#1	7.7172	72.620	.62671	.04694	1.9663	.57454	1.0251
#2	7.6872	72.290	.62529	.04547	1.9613	.57181	1.0185

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.70707	.71701	1.6746	1.7210	7.7899
SDev	.00173	.00407	.0029	.0057	.0086
%RSD	.24415	.56688	.17078	.33147	.11012
#1	.70585	.71989	1.6766	1.7170	7.7960
#2	.70829	.71414	1.6725	1.7251	7.7838

Method: 6010 Sample Name: 89300LX5 Operator: SJ
Run Time: 11/03/99 11:58:25
Comment: SWC12-13F38S-NLX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01409	.00087	.04190	.00067	-.00113	14.273	.06590
SDev	.00199	.00757	.00026	.00275	.00217	.011	.00003
%RSD	14.142	868.60	.62746	408.11	191.66	.07374	.04754
#1	.01269	-.00448	.04171	-.00127	-.00266	14.265	.06588
#2	.01550	.00622	.04208	.00262	.00040	14.280	.06593

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00101	-.00123	70.514	.02050	.01911	.05986	40.817
SDev	.00001	.00004	.028	.00029	.00140	.00038	.015
%RSD	1.2396	2.9656	.03935	1.4243	7.3149	.64018	.03738
#1	.00100	-.00121	70.494	.02071	.02010	.06013	40.807
#2	.00102	-.00126	70.534	.02029	.01812	.05959	40.828

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.6009	15.376	.03521	.00006	.34323	.02157	.11848
SDev	.0027	.009	.00068	.00022	.00118	.00054	.00094
%RSD	.16877	.06138	1.9259	402.89	.34242	2.5053	.79654
#1	1.5990	15.383	.03569	.00021	.34240	.02195	.11782
#2	1.6028	15.370	.03473	-.00010	.34406	.02118	.11915

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.04061	.04254	.00483	-.00140	1.2959
SDev	.00169	.00045	.00666	.00080	.0194
%RSD	4.1702	1.0607	137.95	57.561	1.4965
#1	.03941	.04286	.00012	-.00197	1.3096
#2	.04180	.04222	.00954	-.00083	1.2822

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Method: 6010 Sample Name: PBS Operator: SJ
Run Time: 11/03/99 12:18:21
Comment: EXT.BLANK
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00298	-.00000	.00121	-.00033	-.00405	-.00808	-.00008
SDev	.00146	.00223	.00025	.00372	.00212	.00426	.00003
%RSD	48.855	205650.	21.020	1122.1	52.329	52.723	38.569
#1	.00401	-.00158	.00139	-.00296	-.00255	-.00507	-.00006
#2	.00195	.00157	.00103	.00230	-.00555	-.01110	-.00010

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00053	-.00020	.00577	.00022	.00000	.00035	-.00671
SDev	.00004	.00015	.00054	.00051	.00047	.00006	.01031
%RSD	6.9426	73.195	9.4281	230.34	.00000	16.169	153.76
#1	.00051	-.00010	.00616	.00059	.00033	.00039	.00058
#2	.00056	-.00031	.00539	-.00014	-.00033	.00031	-.01400

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.00377	.00088	.00041	.00748	.00013	.00047
SDev	.00003	.00287	.00076	.00013	.00118	.00018	.00009
%RSD	42.595	76.150	86.709	32.383	15.713	141.45	20.141
#1	-.00010	.00580	.00142	.00031	.00831	-.00000	.00053
#2	-.00005	.00174	.00034	.00050	.00665	.00026	.00040

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00368	-.00003	-.00032	-.00034	-.02215
SDev	.00101	.00012	.00246	.00434	.00820
%RSD	27.357	451.55	764.62	1293.4	37.039
#1	.00439	-.00011	-.00206	-.00341	-.01635
#2	.00296	.00006	.00142	.00273	-.02795

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Method: 6010 Sample Name: LCSS Operator: SJ
Run Time: 11/03/99 12:20:50
Comment: LCSS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0789	.18208	1.0763	.20324	1.1413	1.3711	.02462
SDev	.0156	.01378	.0044	.00093	.0031	.0080	.00013
%RSD	.30793	7.5697	.41124	.45682	.26761	.58229	.50901
#1	5.0679	.17233	1.0732	.20258	1.1391	1.3655	.02453
#2	5.0900	.19182	1.0795	.20389	1.1435	1.3767	.02471

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09047	.20010	751.69	.46233	.68988	31.531	104.34
SDev	.00064	.00112	3.02	.00114	.00117	.190	.47
%RSD	.70699	.55789	.40228	.24644	.16889	.60132	.44793
#1	.09001	.19931	749.55	.46152	.68905	31.397	104.01
#2	.09092	.20089	753.82	.46313	.69070	31.665	104.67

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.95881	536.11	.27347	.10347	.96154	.30497	.81697
SDev	.00419	2.25	.00171	.00004	.01058	.00244	.00547
%RSD	.43692	.42048	.62690	.04128	1.1001	.79897	.66887
#1	.95585	534.51	.27226	.10350	.95406	.30325	.81311
#2	.96177	537.70	.27468	.10344	.96901	.30669	.82084

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0292	1.0998	.21685	.19644	.37632
SDev	.0034	.0049	.00043	.00118	.02051
%RSD	.33352	.44755	.19770	.59962	5.4507
#1	1.0268	1.0964	.21654	.19561	.39083
#2	1.0317	1.1033	.21715	.19727	.36182

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Method: 6010 Sample Name: 89270 Operator: SJ
Run Time: 11/03/99 12:24:52
Comment: B-3-F
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00629	.00558	.05512	-.00378	-.00585	.42770	.29439
SDev	.00015	.00619	.00006	.00025	.00569	.00537	.00117
%RSD	2.4383	110.92	.11676	6.4898	97.299	1.2557	.39730
#1	.00618	.00120	.05517	-.00361	-.00987	.42390	.29356
#2	.00640	.00996	.05508	-.00396	-.00182	.43150	.29522

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	-.00041	167.42	.00443	.00033	.02665	1.0186
SDev	.00001	.00007	.43	.00002	.00047	.00016	.0006
%RSD	4.5628	16.913	.25511	.34363	141.42	.61936	.05788
#1	.00026	-.00046	167.12	.00444	.00066	.02653	1.0190
#2	.00028	-.00036	167.72	.00442	.00000	.02677	1.0182

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18737	225.70	.00353	.00043	H202.26	.00275	.05692
SDev	.00067	.76	.00002	.00049	7.08	.00012	.00028
%RSD	.35958	.33814	.61806	113.18	3.5021	4.3595	.49763
#1	.18690	225.16	.00354	.00009	H207.27	.00267	.05672
#2	.18785	226.24	.00351	.00078	H197.26	.00284	.05712

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.04941	.05798	.01385	-.01258	H141.23
SDev	.00063	.00022	.00119	.00096	.14
%RSD	1.2694	.37365	8.5634	7.6289	.10140
#1	.04985	.05782	.01301	-.01190	H141.13
#2	.04897	.05813	.01469	-.01326	H141.33

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Method: 6010 Sample Name: 89270X10 Operator: SJ
Run Time: 11/03/99 12:45:20
Comment: B-3-FX10
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00493	-.00214	.00654	.00119	-.00441	.04216	.03448
SDev	.00437	.00223	.00052	.00100	.00343	.00739	.00005
%RSD	88.583	104.39	7.9832	84.284	77.831	17.516	.15145
#1	.00184	-.00371	.00690	.00190	-.00198	.04738	.03451
#2	.00802	-.00056	.00617	.00048	-.00684	.03694	.03444

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00061	-.00038	20.595	.00006	-.00082	.00285	.07562
SDev	.00002	.00006	.013	.00022	.00070	.00039	.00741
%RSD	4.0089	15.559	.06076	382.05	84.853	13.547	9.8023
#1	.00063	-.00042	20.586	.00022	-.00033	.00313	.08086
#2	.00059	-.00034	20.604	-.00010	-.00132	.00258	.07038

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02194	25.753	.00120	.00045	H147.91	-.00034	.00754
SDev	.00012	.008	.00030	.00071	.75	.00048	.00010
%RSD	.55324	.03028	25.452	156.96	.50378	139.89	1.2543
#1	.02185	25.747	.00142	.00096	H148.43	-.00000	.00748
#2	.02202	25.758	.00098	-.00005	H147.38	-.00068	.00761

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.01126	.00418	.01050	-.00346	14.475
SDev	.00009	.00083	.00192	.00246	.011
%RSD	.83059	19.844	18.252	70.977	.07730
#1	.01119	.00476	.00915	-.00172	14.483
#2	.01133	.00359	.01186	-.00520	14.467

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 12:47:31
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6297	2.4816	2.5506	2.5371	2.5737	24.606	2.3680
SDev	.0020	.0001	.0010	.0053	.0238	.023	.0009
%RSD	.07580	.00468	.04093	.20991	.92442	.09428	.03836
#1	2.6283	2.4817	2.5513	2.5333	2.5569	24.589	2.3686
#2	2.6311	2.4816	2.5498	2.5409	2.5906	24.622	2.3673

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49578	2.4997	24.696	2.4076	2.4843	2.3978	10.264
SDev	.00017	.0017	.013	.0018	.0014	.0010	.024
%RSD	.03435	.06661	.05067	.07511	.05628	.04377	.23633
#1	.49590	2.4985	24.687	2.4089	2.4853	2.3985	10.281
#2	.49566	2.5009	24.705	2.4063	2.4834	2.3970	10.247

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4139	24.547	2.4456	1.4493	26.367	2.3766	2.5893
SDev	.0001	.003	.0008	.0002	.100	.0055	.0008
%RSD	.00340	.01337	.03386	.01271	.38037	.22952	.02919
#1	2.4139	24.545	2.4461	1.4492	26.296	2.3804	2.5888
#2	2.4140	24.550	2.4450	1.4494	26.438	2.3727	2.5899

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.4889	2.5814	2.4850	2.5631	25.138
SDev	.0028	.0030	.0228	.0034	.029
%RSD	.11444	.11573	.91805	.13286	.11424
#1	2.4869	2.5835	2.4688	2.5655	25.158
#2	2.4909	2.5793	2.5011	2.5607	25.117

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Method: 6010 Sample Name: CCB6 Operator: SJ
Run Time: 11/03/99 12:49:46
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00466	.00219	-.00024	-.00295	-.00243	-.00886	-.00016
SDev	.00123	.00136	.00080	.00054	.00027	.00090	.00003
%RSD	26.311	62.262	326.40	18.484	11.161	10.145	20.203
#1	.00553	.00315	-.00081	-.00333	-.00223	-.00823	-.00013
#2	.00379	.00122	.00032	-.00256	-.00262	-.00950	-.00018

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	-.00030	.00269	-.00021	-.00099	-.00012	-.01282
SDev	.00000	.00020	.00054	.00014	.00047	.00017	.00083
%RSD	.00814	65.302	20.203	64.520	47.140	139.38	6.4455
#1	.00058	-.00016	.00231	-.00031	-.00132	-.00000	-.01224
#2	.00058	-.00044	.00308	-.00012	-.00066	-.00024	-.01341

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	-.00319	.00051	.00034	.03760	-.00051	-.00027
SDev	.00000	.00123	.00002	.00015	.00218	.00012	.00057
%RSD	.12605	38.569	4.2893	44.341	5.7904	23.605	212.39
#1	-.00015	-.00232	.00050	.00044	.03914	-.00059	-.00067
#2	-.00015	-.00406	.00053	.00023	.03606	-.00042	.00013

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00042	-.00058	.00039	-.00461	-.03929
SDev	.00082	.00161	.00183	.00009	.00186
%RSD	195.50	278.99	470.25	2.0529	4.7457
#1	.00100	-.00171	-.00090	-.00454	-.03798
#2	-.00016	.00056	.00168	-.00468	-.04061

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Method: 6010 Sample Name: 89270X100 Operator: SJ
Run Time: 11/03/99 12:55:23
Comment: B-3-FX100
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00293	.00404	.00101	-.00018	-.00255	.00095	.00350
SDev	.00061	.00545	.00036	.00056	.00153	.00270	.00002
%RSD	20.951	134.78	35.730	304.74	60.088	283.13	.59671
#1	.00249	.00019	.00075	.00021	-.00147	.00286	.00349
#2	.00336	.00789	.00127	-.00058	-.00364	-.00095	.00351

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00061	-.00043	2.1317	-.00003	-.00066	.00031	-.00413
SDev	.00000	.00006	.0027	.00022	.00047	.00000	.00041
%RSD	.02299	13.371	.12761	811.87	70.711	.01839	9.8763
#1	.00061	-.00039	2.1298	-.00018	-.00099	.00031	-.00442
#2	.00061	-.00047	2.1336	.00013	-.00033	.00031	-.00384

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00215	2.6237	.00125	.00021	23.450	-.00076	.00100
SDev	.00000	.0012	.00046	.00040	.006	.00036	.00028
%RSD	.00391	.04691	36.654	188.70	.02506	47.150	28.282
#1	.00215	2.6228	.00093	-.00007	23.446	-.00102	.00120
#2	.00215	2.6246	.00158	.00050	23.454	-.00051	.00080

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00517	-.00107	.00619	-.00337	.92670
SDev	.00040	.00034	.00292	.00061	.01044
%RSD	7.7202	31.983	47.148	18.221	1.1269
#1	.00489	-.00131	.00826	-.00380	.91931
#2	.00546	-.00083	.00413	-.00293	.93408

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Method: 6010 Sample Name: 88228 Operator: SJ
Run Time: 11/03/99 12:57:39
Comment: 13822C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00309	.00832	-.00056	.00033	-.00590	-.00004	.21499
SDev	.00038	.00384	.00009	.00655	.00068	.00402	.00130
%RSD	12.405	46.150	15.289	1968.8	11.475	9522.3	.60716
#1	.00336	.00560	-.00050	.00496	-.00542	.00280	.21407
#2	.00282	.01103	-.00062	-.00430	-.00638	-.00288	.21591

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00086	-.00045	49.211	-.00030	-.00066	.00459	-.03423
SDev	.00001	.00002	.365	.00069	.00047	.00044	.00416
%RSD	1.4595	4.9810	.74073	229.89	70.711	9.6106	12.143
#1	.00085	-.00044	49.469	.00019	-.00033	.00490	-.03129
#2	.00087	-.00047	48.954	-.00079	-.00099	.00428	-.03717

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00029	15.679	.00165	.00082	32.464	.00182	.00608
SDev	.00012	.134	.00055	.00027	.203	.00066	.00009
%RSD	41.406	.85574	32.977	33.160	.62631	36.136	1.5522
#1	.00038	15.774	.00204	.00101	32.607	.00229	.00614
#2	.00021	15.584	.00127	.00063	32.320	.00136	.00601

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00448	.00140	.01381	-.00639	1.7592
SDev	.00465	.00245	.00785	.00590	.0392
%RSD	103.73	174.98	56.826	92.201	2.2259
#1	-.00777	.00313	.01936	-.00223	1.7869
#2	-.00120	-.00033	.00826	-.01056	1.7316

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Method: 6010 Sample Name: 88229 Operator: SJ
Run Time: 11/03/99 12:59:38
Comment: 13822C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00320	.00026	.00129	.00409	-.00453	-.00271	.20371
SDev	.00299	.00235	.00060	.00154	.00208	.00024	.00143
%RSD	93.482	895.60	46.737	37.706	45.834	8.8088	.70231
#1	.00108	-.00140	.00172	.00300	-.00600	-.00254	.20472
#2	.00531	.00193	.00087	.00518	-.00306	-.00288	.20269

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	-.00038	49.904	-.00037	-.00066	.00832	-.04342
SDev	.00003	.00006	.055	.00025	.00093	.00033	.00823
%RSD	2.5076	14.986	.11120	68.672	141.42	3.9818	18.951
#1	.00101	-.00042	49.943	-.00055	-.00132	.00809	-.04924
#2	.00098	-.00034	49.865	-.00019	.00000	.00856	-.03760

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00041	14.187	.01234	.00062	44.444	.00055	.01315
SDev	.00000	.029	.00094	.00098	.201	.00066	.00104
%RSD	.65515	.20535	7.6044	158.39	.45220	119.16	7.8950
#1	.00040	14.208	.01168	-.00007	44.586	.00009	.01242
#2	.00041	14.167	.01301	.00131	44.302	.00102	.01389

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00085	.00151	.02000	-.00385	2.1997
SDev	.00141	.00161	.00018	.00222	.0026
%RSD	166.90	106.40	.90915	57.698	.11869
#1	-.00015	.00265	.01987	-.00542	2.2015
#2	.00185	.00038	.02013	-.00228	2.1978

Method: 6010 Sample Name: 88230 Operator: SJ
Run Time: 11/03/99 13:01:44
Comment: 13822C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00580	.00490	.00031	.00437	-.00373	-.00019	.22387
SDev	.00130	.00025	.00251	.00075	.00122	.00067	.00051
%RSD	22.469	5.0528	816.14	17.265	32.668	345.47	.22858
#1	.00488	.00507	-.00147	.00490	-.00287	-.00066	.22423
#2	.00672	.00472	.00208	.00383	-.00459	.00028	.22350

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	-.00024	67.359	.00001	-.00082	.00423	-.06245
SDev	.00001	.00017	.036	.00074	.00070	.00005	.00824
%RSD	1.6494	70.261	.05411	7755.8	84.853	1.2729	13.190
#1	.00073	-.00037	67.384	-.00051	-.00132	.00427	-.06828
#2	.00075	-.00012	67.333	.00053	-.00033	.00420	-.05663

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	20.539	.00136	.00075	33.542	.00157	.01175
SDev	.00004	.014	.00065	.00018	.043	.00030	.00019
%RSD	60.960	.06792	48.015	24.269	.12965	19.052	1.6051
#1	-.00009	20.549	.00090	.00062	33.573	.00136	.01162
#2	-.00004	20.529	.00183	.00088	33.512	.00178	.01189

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00068	.00012	.02723	-.00705	1.9235
SDev	.00146	.00303	.00255	.00241	.0082
%RSD	216.66	2451.1	9.3807	34.128	.42655
#1	-.00036	-.00202	.02542	-.00535	1.9177
#2	.00171	.00227	.02903	-.00875	1.9293

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Method: 6010 Sample Name: 89309 Operator: SJ
Run Time: 11/03/99 13:08:46
Comment: WSO-30
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04684	-.00217	.30938	-.00144	-.00398	83.200	.45286
SDev	.00552	.00468	.00312	.00175	.00053	.515	.00185
%RSD	11.785	215.27	1.0080	121.66	13.416	.61921	.40816
#1	.04293	-.00548	.30717	-.00020	-.00435	82.836	.45156
#2	.05074	.00113	.31158	-.00267	-.00360	83.564	.45417

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00389	-.00265	124.89	.10806	.06871	.28661	192.96
SDev	.00005	.00022	1.12	.00100	.00070	.00169	1.44
%RSD	1.2606	8.1694	.89434	.92597	1.0174	.58896	.74664
#1	.00385	-.00280	124.10	.10735	.06821	.28542	191.94
#2	.00392	-.00250	125.68	.10876	.06920	.28781	193.97

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6718	62.550	.15290	-.00232	1.5798	.12962	.69024
SDev	.0248	.501	.00125	.00001	.0458	.00071	.00837
%RSD	.67456	.80031	.81960	.47209	2.9013	.55015	1.2122
#1	3.6543	62.196	.15202	-.00233	1.5474	.12912	.68433
#2	3.6893	62.904	.15379	-.00231	1.6123	.13013	.69616

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.30941	.30936	.02707	-.01567	4.7005
SDev	.00114	.00524	.00155	.00185	.0455
%RSD	.36892	1.6955	5.7201	11.794	.96798
#1	.31022	.30565	.02816	-.01436	4.6683
#2	.30860	.31307	.02597	-.01697	4.7326

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Method: 6010 Sample Name: 89310 Operator: SJ
Run Time: 11/03/99 13:11:01
Comment: WS30-60
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42885	.01049	5.5092	.04036	.02481	75.041	4.0817
SDev	.00529	.00542	.0025	.00012	.00143	.027	.0024
%RSD	1.2335	51.670	.04536	.30573	5.7682	.03577	.05782
#1	.43260	.00666	5.5074	.04027	.02582	75.060	4.0834
#2	.42511	.01432	5.5110	.04044	.02380	75.022	4.0801

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00680	.01335	92.993	.35330	.11039	1.0950	231.50
SDev	.00004	.00024	.138	.00022	.00047	.0006	.39
%RSD	.53440	1.7668	.14861	.06117	.42215	.05529	.17025
#1	.00683	.01318	93.091	.35346	.11072	1.0946	231.78
#2	.00678	.01352	92.895	.35315	.11006	1.0954	231.22

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.8724	26.477	.21753	-.00067	3.8636	.53615	6.8345
SDev	.0023	.014	.00102	.00024	.0059	.00154	.0068
%RSD	.07906	.05114	.46921	36.082	.15210	.28736	.09932
#1	2.8740	26.487	.21825	-.00050	3.8677	.53723	6.8393
#2	2.8708	26.468	.21681	-.00084	3.8594	.53506	6.8297

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.3945	5.5665	.06210	.02950	7.0781
SDev	.0170	.0122	.00436	.00236	.0104
%RSD	.31451	.21947	7.0168	8.0004	.14753
#1	5.4065	5.5578	.06518	.02783	7.0855
#2	5.3825	5.5751	.05902	.03117	7.0707

Method: 6010 Sample Name: 89311 Operator: SJ
Run Time: 11/03/99 13:13:34
Comment: WS90-120
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11075	.02131	H141.80	.00323	.18560	181.03	31.146
SDev	.00100	.00396	.20	.00487	.00459	.29	.039
%RSD	.89989	18.608	.13918	150.61	2.4717	.15806	.12650
#1	.11146	.02411	H141.66	.00668	.18884	180.83	31.118
#2	.11005	.01851	H141.94	-.00021	.18235	181.23	31.174

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01050	.11553	90.841	9.9828	1.9334	9.6852	319.13
SDev	.00002	.00016	.009	.0093	.0033	.0178	.32
%RSD	.19763	.13553	.00959	.09326	.16873	.18370	.09926
#1	.01048	.11542	90.847	9.9762	1.9311	9.6727	319.36
#2	.01051	.11564	90.835	9.9894	1.9357	9.6978	318.91

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.9182	30.587	2.1856	.08852	9.7957	7.3849	14.303
SDev	.0027	.007	.0008	.00010	.0200	.0100	.006
%RSD	.05569	.02415	.03699	.10802	.20397	.13496	.04428
#1	4.9163	30.582	2.1850	.08859	9.7816	7.3778	14.298
#2	4.9202	30.593	2.1861	.08845	9.8098	7.3919	14.307

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	138.10	143.65	.04036	-.01530	5.4692
SDev	.38	.11	.00519	.00471	.0026
%RSD	.27397	.07447	12.858	30.774	.04774
#1	137.83	143.57	.04403	-.01197	5.4674
#2	138.37	143.72	.03669	-.01863	5.4710

Method: 6010 Sample Name: 89312 Operator: SJ
Run Time: 11/03/99 13:15:50
Comment: WS120-150
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07822	-.00234	55.007	-.00551	.06755	136.28	17.083
SDev	.00330	.00411	.122	.00156	.00096	.18	.047
%RSD	4.2142	175.52	.22174	28.389	1.4265	.13350	.27467
#1	.07589	.00056	54.921	-.00661	.06687	136.41	17.116
#2	.08056	-.00524	55.094	-.00440	.06823	136.15	17.049

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01230	.05153	153.34	4.0456	.79401	4.0795	386.61
SDev	.00006	.00004	.15	.0023	.00117	.0105	.43
%RSD	.49814	.07152	.09792	.05675	.14674	.25651	.11037
#1	.01235	.05156	153.24	4.0440	.79319	4.0869	386.91
#2	.01226	.05151	153.45	4.0472	.79483	4.0721	386.31

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.0502	72.134	3.2907	.00293	6.1764	7.7352	8.3119
SDev	.0002	.055	.0012	.00038	.0141	.0008	.0194
%RSD	.00226	.07565	.03559	12.909	.22835	.00983	.23299
#1	8.0503	72.095	3.2916	.00320	6.1864	7.7358	8.2982
#2	8.0501	72.172	3.2899	.00266	6.1665	7.7347	8.3255

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	53.582	55.719	.02821	-.02234	6.0180
SDev	.083	.142	.00700	.00584	.0067
%RSD	.15403	.25424	24.821	26.140	.11155
#1	53.524	55.619	.03316	-.02647	6.0227
#2	53.641	55.819	.02326	-.01821	6.0132

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Method: 6010 Sample Name: 89313 Operator: SJ
Run Time: 11/03/99 13:18:15
Comment: WS150-180
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06169	.01107	33.338	-.00862	.03807	118.82	14.866
SDev	.00261	.00287	.085	.00264	.00375	.42	.061
%RSD	4.2252	25.914	.25569	30.653	9.8588	.35606	.40855
#1	.06353	.00904	33.399	-.01048	.04072	119.12	14.909
#2	.05985	.01309	33.278	-.00675	.03542	118.52	14.823

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00492	.04400	159.19	2.5499	.42493	2.6098	255.32
SDev	.00002	.00014	.51	.0074	.00070	.0113	1.15
%RSD	.29570	.31637	.32331	.28993	.16450	.43436	.44987
#1	.00491	.04409	159.56	2.5552	.42543	2.6178	256.13
#2	.00493	.04390	158.83	2.5447	.42444	2.6018	254.51

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9452	58.266	.35750	.00463	5.5274	1.1257	6.5940
SDev	.0092	.172	.00114	.00042	.0223	.0057	.0165
%RSD	.31177	.29506	.31961	8.9985	.40400	.50660	.25014
#1	2.9517	58.387	.35831	.00493	5.5432	1.1297	6.6057
#2	2.9387	58.144	.35670	.00434	5.5116	1.1216	6.5823

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	32.480	33.767	.01484	-.02033	5.7398
SDev	.163	.046	.01006	.00898	.0198
%RSD	.50204	.13738	67.790	44.189	.34437
#1	32.595	33.800	.02196	-.02668	5.7538
#2	32.365	33.734	.00773	-.01398	5.7258

Method: 6010 Sample Name: 89314 Operator: SJ
Run Time: 11/03/99 13:23:11
Comment: WS180-210
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04640	.00361	15.773	-.00398	.02165	98.456	5.6730
SDev	.00414	.00315	.048	.00320	.00280	.193	.0173
%RSD	8.9214	87.421	.30545	80.355	12.953	.19583	.30520
#1	.04348	.00138	15.739	-.00624	.02363	98.320	5.6608
#2	.04933	.00584	15.807	-.00172	.01966	98.593	5.6853

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00447	.01088	182.70	1.4630	.27137	1.4201	208.70
SDev	.00000	.00016	.27	.0031	.00210	.0032	.16
%RSD	.02402	1.5065	.14741	.20898	.77280	.22640	.07646
#1	.00447	.01076	182.51	1.4608	.26989	1.4179	208.58
#2	.00447	.01100	182.89	1.4651	.27285	1.4224	208.81

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7662	70.974	.30161	.00104	3.1854	.65106	2.6602
SDev	.0084	.137	.00097	.00007	.0059	.00275	.0066
%RSD	.22295	.19367	.32213	7.0418	.18448	.42247	.24830
#1	3.7603	70.877	.30092	.00109	3.1813	.64912	2.6556
#2	3.7722	71.072	.30229	.00099	3.1896	.65301	2.6649

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	15.387	15.966	.02005	-.01597	5.6340
SDev	.005	.070	.00257	.00607	.0149
%RSD	.03258	.43674	12.809	38.020	.26478
#1	15.384	15.916	.02187	-.02027	5.6235
#2	15.391	16.015	.01824	-.01168	5.6446

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 13:25:37
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6633	2.5262	2.5664	2.5737	2.6042	24.742	2.3934
SDev	.0018	.0004	.0029	.0019	.0213	.056	.0080
%RSD	.06621	.01409	.11189	.07466	.81859	.22485	.33509
#1	2.6645	2.5259	2.5684	2.5751	2.5891	24.702	2.3877
#2	2.6620	2.5264	2.5644	2.5724	2.6192	24.781	2.3991

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50237	2.5327	25.201	2.4290	2.5041	2.4223	10.441
SDev	.00024	.0051	.090	.0031	.0042	.0082	.040
%RSD	.04718	.19982	.35622	.12866	.16750	.33839	.38413
#1	.50253	2.5362	25.265	2.4312	2.5071	2.4165	10.470
#2	.50220	2.5291	25.138	2.4268	2.5012	2.4281	10.413

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4297	24.879	2.4738	1.4662	26.705	2.3955	2.6206
SDev	.0007	.075	.0020	.0075	.102	.0075	.0160
%RSD	.02868	.30017	.07934	.50910	.38363	.31292	.61245
#1	2.4302	24.932	2.4752	1.4715	26.632	2.3902	2.6319
#2	2.4292	24.826	2.4724	1.4609	26.777	2.4008	2.6092

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5083	2.5954	2.5020	2.6095	25.348
SDev	.0065	.0011	.0047	.0052	.144
%RSD	.25753	.04162	.18960	.20116	.56940
#1	2.5128	2.5962	2.4986	2.6132	25.246
#2	2.5037	2.5947	2.5053	2.6058	25.450

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Method: 6010 Sample Name: CCB7 Operator: SJ
Run Time: 11/03/99 13:27:39
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00374	.00543	-.00015	-.00162	.00310	.00047	.00021
SDev	.00222	.00025	.00026	.00317	.00474	.00157	.00004
%RSD	59.438	4.5525	175.64	196.12	153.07	330.84	20.203
#1	.00217	.00525	.00004	.00062	.00645	.00158	.00024
#2	.00531	.00560	-.00033	-.00386	-.00026	-.00063	.00018

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00070	-.00013	.00692	.00065	.00000	.00070	.00058
SDev	.00000	.00023	.00000	.00008	.00047	.00011	.01319
%RSD	.00336	177.99	.00000	12.915	.00000	15.975	2257.7
#1	.00070	-.00030	.00692	.00059	.00033	.00078	.00991
#2	.00070	.00003	.00692	.00071	-.00033	.00062	-.00874

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00580	.00100	.00122	.02826	.00004	.00053
SDev	.00000	.00082	.00024	.00040	.00000	.00006	.00019
%RSD	3.4225	14.142	24.026	32.319	.00000	140.08	35.295
#1	.00010	.00638	.00083	.00094	.02826	.00008	.00067
#2	.00010	.00522	.00117	.00150	.02826	.00000	.00040

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00370	-.00207	.00284	-.00384	-.00026
SDev	.00108	.00015	.01150	.00099	.00858
%RSD	29.212	7.2980	404.97	25.739	3252.6
#1	.00447	-.00218	.01097	-.00454	.00580
#2	.00294	-.00196	-.00529	-.00314	-.00633

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Method: 6010 Sample Name: 89315 Operator: SJ
Run Time: 11/03/99 13:33:38
Comment: WS210-230
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06386	.01634	54.696	-.00335	.09050	214.25	24.381
SDev	.00061	.01049	.141	.00145	.00228	.67	.057
%RSD	.96042	64.196	.25765	43.385	2.5186	.31294	.23459
#1	.06429	.00892	54.596	-.00232	.09212	213.77	24.341
#2	.06343	.02375	54.796	-.00438	.08889	214.72	24.421

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01038	.05680	160.72	3.0791	1.0085	5.1028	404.46
SDev	.00003	.00012	.69	.0142	.0049	.0130	1.00
%RSD	.26045	.21786	.42754	.45992	.48519	.25519	.24753
#1	.01036	.05671	160.24	3.0691	1.0051	5.0936	403.76
#2	.01040	.05689	161.21	3.0892	1.0120	5.1120	405.17

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.9293	36.558	1.1673	.01350	11.356	6.4163	15.970
SDev	.0115	.149	.0038	.00001	.019	.0254	.076
%RSD	.39102	.40630	.32702	.06328	.16559	.39640	.47577
#1	2.9212	36.453	1.1646	.01351	11.342	6.3983	15.916
#2	2.9374	36.663	1.1700	.01350	11.369	6.4343	16.024

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	53.354	55.366	.04730	-.02864	6.1206
SDev	.155	.134	.00965	.00264	.0093
%RSD	.29133	.24145	20.398	9.2068	.15234
#1	53.244	55.271	.05412	-.03050	6.1140
#2	53.464	55.460	.04048	-.02678	6.1272

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Method: 6010 Sample Name: 89316 Operator: SJ
Run Time: 11/03/99 13:36:13
Comment: WS260-280
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07156	.00681	79.962	-.01932	.08843	259.76	17.702
SDev	.00215	.00705	.182	.00076	.00467	.35	.038
%RSD	2.9998	103.53	.22743	3.9597	5.2776	.13307	.21184
#1	.07308	.00182	80.090	-.01986	.08513	260.01	17.728
#2	.07004	.01179	79.833	-.01878	.09173	259.52	17.675

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	.02003	358.38	6.0583	.75628	8.4455	597.20
SDev	.00000	.00021	.41	.0072	.00000	.0193	1.67
%RSD	.05214	1.0494	.11461	.11924	.00000	.22895	.27918
#1	.00079	.02018	358.67	6.0634	.75628	8.4591	598.37
#2	.00079	.01989	358.09	6.0532	.75628	8.4318	596.02

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.0863	23.331	.27143	.02977	31.003	.59771	9.6150
SDev	.0097	.005	.00073	.00011	.062	.00106	.0035
%RSD	.15864	.01934	.26828	.35964	.20092	.17775	.03590
#1	6.0931	23.334	.27092	.02970	31.047	.59846	9.6174
#2	6.0794	23.328	.27195	.02985	30.959	.59696	9.6126

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	77.592	81.145	.04045	-.04915	11.803
SDev	.025	.260	.00812	.00291	.017
%RSD	.03268	.32042	20.078	5.9157	.14219
#1	77.610	81.329	.03471	-.04710	11.815
#2	77.574	80.961	.04619	-.05121	11.791

Method: 6010 Sample Name: 89317 Operator: SJ
Run Time: 11/03/99 13:38:42
Comment: WS60-90
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11731	.00776	31.086	.00106	.07610	145.12	16.818
SDev	.00107	.00771	.008	.00031	.00240	.18	.023
%RSD	.91492	99.378	.02568	29.531	3.1526	.12469	.13903
#1	.11655	.01321	31.080	.00128	.07440	145.25	16.834
#2	.11807	.00231	31.091	.00084	.07780	144.99	16.801

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00747	.03922	148.29	3.7334	.65313	2.3479	214.82
SDev	.00001	.00006	.09	.0019	.00093	.0043	.22
%RSD	.14548	.16122	.06163	.05112	.14271	.18187	.10420
#1	.00748	.03926	148.36	3.7347	.65379	2.3509	214.97
#2	.00747	.03917	148.23	3.7320	.65247	2.3448	214.66

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.4260	36.287	.62150	.00292	6.7873	2.2104	7.4553
SDev	.0044	.037	.00002	.00017	.0035	.0037	.0020
%RSD	.12726	.10064	.00252	5.8595	.05195	.16770	.02652
#1	3.4291	36.312	.62149	.00305	6.7898	2.2130	7.4567
#2	3.4229	36.261	.62151	.00280	6.7848	2.2077	7.4539

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	30.364	31.446	.01452	-.00566	8.2672
SDev	.005	.009	.00509	.00207	.0063
%RSD	.01713	.02981	35.090	36.654	.07669
#1	30.361	31.439	.01812	-.00712	8.2717
#2	30.368	31.452	.01091	-.00419	8.2627

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Method: 6010 Sample Name: 89311X40 Operator: SJ
Run Time: 11/03/99 13:47:19
Comment: WS60-90X40
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00249	.00110	3.8362	-.00314	-.00008	4.5367	.94127
SDev	.00276	.00557	.0304	.00035	.00018	.0192	.00422
%RSD	110.68	504.95	.79341	11.118	232.31	.42424	.44821
#1	.00445	.00504	3.8146	-.00339	-.00021	4.5230	.93829
#2	.00054	-.00283	3.8577	-.00290	.00005	4.5503	.94426

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	.00289	2.4933	.27501	.05207	.24432	8.7271
SDev	.00001	.00020	.0027	.00071	.00093	.00105	.0053
%RSD	1.2451	6.8161	.10911	.25756	1.7901	.42842	.06128
#1	.00095	.00303	2.4914	.27451	.05273	.24358	8.7234
#2	.00097	.00275	2.4952	.27551	.05141	.24506	8.7309

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13753	.83850	.06207	.00274	.19945	.19800	.40710
SDev	.00042	.00082	.00037	.00070	.00000	.00096	.00047
%RSD	.30869	.09787	.59753	25.582	.00000	.48435	.11599
#1	.13723	.83792	.06181	.00323	.19945	.19732	.40744
#2	.13783	.83908	.06233	.00224	.19945	.19868	.40677

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.8089	3.8498	-.00267	-.00338	.06751
SDev	.0027	.0470	.00237	.00066	.01492
%RSD	.07169	1.2207	88.800	19.542	22.097
#1	3.8108	3.8165	-.00435	-.00291	.07806
#2	3.8070	3.8830	-.00099	-.00384	.05696

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Method: 6010 Sample Name: 89318 Operator: SJ
Run Time: 11/03/99 13:49:50
Comment: WESO-30
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03171	-.00225	.92018	-.00805	-.00310	63.565	.41283
SDev	.00391	.00548	.00032	.00258	.00362	.054	.00071
%RSD	12.329	243.01	.03431	32.036	116.54	.08456	.17201
#1	.03448	.00162	.92040	-.00623	-.00566	63.603	.41334
#2	.02895	-.00613	.91996	-.00988	-.00055	63.527	.41233

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00283	-.00006	347.26	.10546	.07019	.27548	140.43
SDev	.00001	.00010	.15	.00005	.00000	.00067	.08
%RSD	.43415	175.79	.04229	.04437	.00000	.24402	.05903
#1	.00284	-.00013	347.37	.10549	.07019	.27596	140.49
#2	.00282	.00001	347.16	.10543	.07019	.27501	140.37

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.2688	169.84	.11915	-.00043	1.8009	.17494	.63254
SDev	.0043	.09	.00005	.00011	.0035	.00006	.00009
%RSD	.10125	.05388	.04153	25.927	.19579	.03209	.01459
#1	4.2718	169.91	.11911	-.00051	1.7984	.17498	.63260
#2	4.2657	169.78	.11918	-.00035	1.8034	.17490	.63247

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.89358	.93345	.02127	-.02269	4.1285
SDev	.00032	.00063	.00081	.00346	.0168
%RSD	.03579	.06780	3.8298	15.255	.40651
#1	.89335	.93390	.02184	-.02025	4.1403
#2	.89380	.93300	.02069	-.02514	4.1166

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Method: 6010 Sample Name: 89319 Operator: SJ
Run Time: 11/03/99 13:52:04
Comment: WES30-60
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.15455	.00922	23.491	.01189	.06027	103.86	8.7077
SDev	.00146	.00775	.047	.00093	.00029	.41	.0284
%RSD	.94247	84.025	.20207	7.8555	.48017	.39036	.32608
#1	.15352	.00374	23.457	.01123	.06047	103.57	8.6876
#2	.15558	.01469	23.525	.01255	.06007	104.15	8.7278

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00640	.02012	143.07	1.9149	.31569	3.8554	219.82
SDev	.00001	.00025	.49	.0062	.00047	.0113	.73
%RSD	.10469	1.2491	.33959	.32562	.14762	.29250	.33191
#1	.00639	.01995	142.73	1.9105	.31602	3.8474	219.31
#2	.00640	.02030	143.42	1.9193	.31536	3.8634	220.34

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2682	33.684	.48029	.00251	5.6138	1.8466	6.1542
SDev	.0085	.149	.00130	.00006	.0223	.0144	.0278
%RSD	.37362	.44097	.27128	2.5965	.39778	.78063	.45229
#1	2.2622	33.579	.47936	.00247	5.5980	1.8364	6.1346
#2	2.2742	33.789	.48121	.00256	5.6296	1.8568	6.1739

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	23.002	23.735	.03895	-.00162	5.3919
SDev	.018	.062	.00945	.00612	.0254
%RSD	.07734	.26242	24.251	377.44	.47035
#1	22.989	23.691	.04563	-.00595	5.3740
#2	23.014	23.779	.03227	.00270	5.4099

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Method: 6010 Sample Name: 89320 Operator: SJ
Run Time: 11/03/99 13:55:16
Comment: WES60-95
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07150	.00149	21.474	-.00385	.04001	67.590	6.6536
SDev	.00606	.00026	.023	.00084	.00037	.003	.0044
%RSD	8.4703	17.345	.10678	21.867	.91665	.00473	.06655
#1	.06722	.00131	21.458	-.00445	.03975	67.588	6.6567
#2	.07579	.00167	21.490	-.00326	.04027	67.592	6.6504

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00438	.01416	153.49	1.3460	.25012	3.6683	184.88
SDev	.00002	.00022	.16	.0021	.00093	.0012	.05
%RSD	.33674	1.5869	.10456	.15704	.37265	.03319	.02569
#1	.00439	.01431	153.38	1.3445	.25077	3.6692	184.91
#2	.00437	.01400	153.60	1.3475	.24946	3.6674	184.85

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6868	28.107	.32774	.00243	3.4589	1.8782	3.8875
SDev	.0034	.048	.00094	.00101	.0024	.0062	.0117
%RSD	.09338	.17080	.28552	41.428	.06795	.33210	.30119
#1	3.6843	28.073	.32840	.00172	3.4605	1.8738	3.8792
#2	3.6892	28.141	.32707	.00315	3.4572	1.8826	3.8958

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	21.064	21.678	.01846	-.01499	2.1606
SDev	.026	.021	.00483	.00115	.0034
%RSD	.12550	.09770	26.192	7.6778	.15535
#1	21.046	21.663	.01504	-.01417	2.1630
#2	21.083	21.693	.02187	-.01580	2.1583

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Method: 6010 Sample Name: 89321 Operator: SJ
Run Time: 11/03/99 13:57:31
Comment: ESO-30
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11959	.00347	4.3681	-.00042	.00125	86.328	2.2522
SDev	.00123	.00157	.0173	.00273	.00241	.041	.0001
%RSD	1.0257	45.233	.39493	657.55	193.20	.04740	.00464
#1	.12045	.00458	4.3803	-.00234	.00295	86.357	2.2523
#2	.11872	.00236	4.3559	.00151	-.00046	86.299	2.2521

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00499	.00777	74.596	.35051	.12654	1.0885	185.20
SDev	.00001	.00010	.342	.00133	.00047	.0005	.75
%RSD	.25597	1.2682	.45876	.37983	.36828	.05011	.40540
#1	.00498	.00784	74.838	.35145	.12687	1.0889	185.73
#2	.00500	.00770	74.354	.34957	.12621	1.0882	184.67

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.8456	36.893	.22553	.00082	2.5846	.31588	2.8503
SDev	.0091	.130	.00034	.00121	.0024	.00117	.0157
%RSD	.23702	.35145	.15100	148.47	.09095	.36867	.55252
#1	3.8521	36.985	.22577	.00168	2.5863	.31670	2.8615
#2	3.8392	36.802	.22529	-.00004	2.5829	.31505	2.8392

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	4.2728	4.4157	.02027	-.01074	7.1736
SDev	.0213	.0152	.00543	.00138	.0201
%RSD	.49760	.34533	26.776	12.867	.28074
#1	4.2878	4.4265	.01643	-.01172	7.1878
#2	4.2577	4.4049	.02411	-.00976	7.1594

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Method: 6010 Sample Name: 89322 Operator: SJ
Run Time: 11/03/99 13:59:44
Comment: ES30-60
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22606	-.00424	10.010	.00289	.01774	84.824	7.3049
SDev	.00184	.00096	.006	.00024	.00419	.120	.0097
%RSD	.81394	22.553	.05580	8.3112	23.635	.14203	.13295
#1	.22736	-.00357	10.006	.00306	.01477	84.739	7.2981
#2	.22475	-.00492	10.014	.00272	.02070	84.909	7.3118

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00638	.00460	116.86	.78465	.21370	1.0937	164.28
SDev	.00005	.00028	.16	.00158	.00070	.0013	.22
%RSD	.75762	6.1399	.13780	.20097	.32711	.11863	.13602
#1	.00634	.00440	116.75	.78353	.21321	1.0927	164.12
#2	.00641	.00480	116.98	.78576	.21420	1.0946	164.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.7717	28.078	.24055	.00061	3.7032	.57642	1.9430
SDev	.0042	.066	.00099	.00003	.0047	.00245	.0018
%RSD	.15027	.23527	.41112	4.8305	.12695	.42466	.09204
#1	2.7687	28.031	.23985	.00059	3.6999	.57469	1.9418
#2	2.7746	28.125	.24125	.00063	3.7065	.57815	1.9443

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.8062	10.111	.02118	-.00623	5.4974
SDev	.0055	.006	.00120	.00024	.0239
%RSD	.05624	.05558	5.6708	3.8332	.43418
#1	9.8023	10.107	.02203	-.00640	5.4805
#2	9.8101	10.115	.02033	-.00607	5.5143

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Method: 6010 Sample Name: 89323 Operator: SJ
Run Time: 11/03/99 14:02:02
Comment: ES60-90
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09525	.01417	9.5831	.03074	.02381	63.541	6.4320
SDev	.00054	.00915	.0051	.00099	.00361	.106	.0122
%RSD	.56343	64.624	.05326	3.2286	15.169	.16641	.18996
#1	.09563	.02064	9.5795	.03004	.02126	63.615	6.4406
#2	.09487	.00769	9.5867	.03144	.02637	63.466	6.4234

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01484	.01700	73.923	.46220	.15669	1.9018	243.49
SDev	.00000	.00046	.069	.00188	.00023	.0053	.36
%RSD	.02696	2.7136	.09273	.40595	.14871	.27762	.14703
#1	.01484	.01732	73.971	.46353	.15686	1.9055	243.75
#2	.01484	.01667	73.874	.46087	.15653	1.8981	243.24

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3488	24.099	1.1492	-.00496	3.2993	9.2726	3.2007
SDev	.0013	.013	.0004	.00055	.0094	.0213	.0016
%RSD	.05424	.05448	.03582	11.164	.28498	.23000	.04986
#1	2.3497	24.109	1.1495	-.00457	3.3060	9.2877	3.2019
#2	2.3479	24.090	1.1489	-.00535	3.2927	9.2575	3.1996

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	9.3931	9.6779	.04251	.02486	4.5815
SDev	.0071	.0041	.00258	.00020	.0160
%RSD	.07554	.04246	6.0746	.79892	.35004
#1	9.3881	9.6750	.04069	.02472	4.5929
#2	9.3981	9.6808	.04434	.02500	4.5702

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Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 14:04:18
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6456	2.5049	2.5538	2.5515	2.5844	24.589	2.3822
SDev	.0048	.0115	.0001	.0044	.0448	.046	.0077
%RSD	.18256	.46044	.00553	.17363	1.7331	.18746	.32133
#1	2.6422	2.4968	2.5539	2.5484	2.5528	24.556	2.3768
#2	2.6490	2.5131	2.5537	2.5546	2.6161	24.621	2.3876

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49818	2.5126	24.984	2.4083	2.4791	2.4164	10.347
SDev	.00068	.0049	.001	.0030	.0019	.0070	.001
%RSD	.13585	.19658	.00435	.12400	.07519	.29161	.01210
#1	.49770	2.5091	24.985	2.4062	2.4778	2.4114	10.347
#2	.49866	2.5161	24.983	2.4105	2.4804	2.4213	10.346

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4089	24.698	2.4540	1.4339	26.899	2.3694	2.5929
SDev	.0036	.024	.0041	.0002	.073	.0019	.0025
%RSD	.15147	.09802	.16642	.01420	.27187	.07844	.09831
#1	2.4063	24.681	2.4511	1.4337	26.848	2.3681	2.5911
#2	2.4115	24.715	2.4569	1.4340	26.951	2.3707	2.5947

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.4954	2.5829	2.4823	2.5860	25.351
SDev	.0020	.0008	.0161	.0014	.037
%RSD	.07895	.02988	.65047	.05489	.14564
#1	2.4968	2.5823	2.4709	2.5871	25.325
#2	2.4940	2.5834	2.4938	2.5850	25.377

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Method: 6010 Sample Name: CCB8 Operator: SJ
Run Time: 11/03/99 14:06:43
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00244	.00262	.00134	.00204	-.00025	-.00097	.00008
SDev	.00023	.00396	.00052	.00257	.00271	.00134	.00005
%RSD	9.4281	150.93	38.554	125.82	1063.0	137.98	64.282
#1	.00228	-.00018	.00171	.00385	.00166	-.00192	.00004
#2	.00260	.00542	.00098	.00022	-.00217	-.00002	.00012

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	-.00018	.00154	.00034	.00000	.00008	-.00088
SDev	.00000	.00014	.00000	.00004	.00047	.00011	.00042
%RSD	.01562	77.219	.00000	11.205	.00000	141.57	47.097
#1	.00075	-.00028	.00154	.00032	-.00033	-.00000	-.00059
#2	.00075	-.00008	.00154	.00037	.00033	.00016	-.00118

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.00493	.00083	.00096	.00850	.00089	.00040
SDev	.00004	.00123	.00052	.00023	.00009	.00030	.00057
%RSD	47.055	24.957	62.846	24.046	1.0292	33.672	141.42
#1	-.00005	.00580	.00120	.00112	.00843	.00068	.00000
#2	-.00010	.00406	.00046	.00079	.00856	.00110	.00080

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00169	.00117	.00987	-.00187	-.01450
SDev	.00320	.00082	.00392	.00189	.00783
%RSD	189.44	70.287	39.748	101.00	53.997
#1	.00395	.00059	.01264	-.00053	-.02004
#2	-.00057	.00175	.00710	-.00321	-.00897

Method: 6010 Sample Name: 89324 Operator: SJ
Run Time: 11/03/99 14:10:17
Comment: ES90-120
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07513	.01781	71.569	.00280	.11358	182.76	16.365
SDev	.00061	.00001	.045	.00447	.00279	.15	.016
%RSD	.81629	.03702	.06317	159.45	2.4573	.08160	.09833
#1	.07557	.01781	71.537	.00596	.11161	182.86	16.377
#2	.07470	.01782	71.601	-.00036	.11556	182.65	16.354

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00630	.02922	176.54	7.1634	.70882	5.0037	197.34
SDev	.00005	.00030	.24	.0025	.00140	.0063	.14
%RSD	.75104	1.0092	.13499	.03503	.19724	.12613	.06961
#1	.00633	.02942	176.37	7.1651	.70981	5.0082	197.25
#2	.00626	.02901	176.71	7.1616	.70784	4.9992	197.44

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.3903	27.503	1.2291	.01459	11.116	3.2878	9.4931
SDev	.0005	.035	.0005	.00057	.016	.0051	.0103
%RSD	.01457	.12830	.03987	3.9279	.14802	.15520	.10837
#1	3.3906	27.478	1.2295	.01419	11.128	3.2914	9.4858
#2	3.3899	27.528	1.2288	.01500	11.105	3.2841	9.5004

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	69.839	72.433	.02740	-.00948	5.6723
SDev	.107	.014	.00384	.00478	.0160
%RSD	.15340	.01974	14.003	50.481	.28272
#1	69.763	72.423	.03011	-.00609	5.6836
#2	69.915	72.444	.02469	-.01286	5.6609

Method: 6010 Sample Name: PBS Operator: SJ
Run Time: 11/03/99 14:16:39
Comment: EXT.BLANK
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	-.00070	.00170	-.00106	-.00565	-.00236	.00012
SDev	.00069	.00347	.00108	.00374	.00005	.00203	.00006
%RSD	181.83	494.48	63.527	351.54	.80220	85.731	53.033
#1	-.00011	.00175	.00094	.00158	-.00568	-.00093	.00007
#2	.00087	-.00315	.00246	-.00371	-.00562	-.00380	.00016

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00077	-.00044	.00192	-.00015	.00000	-.00020	-.01603
SDev	.00002	.00016	.00054	.00020	.00000	.00017	.00206
%RSD	3.1919	36.778	28.284	128.56	.00000	84.032	12.833
#1	.00075	-.00055	.00231	-.00029	.00000	-.00031	-.01748
#2	.00078	-.00032	.00154	-.00001	.00000	-.00008	-.01457

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	-.00029	.00084	.00031	.00582	-.00055	.00000
SDev	.00007	.00205	.00035	.00053	.00118	.00042	.00057
%RSD	55.128	707.11	41.829	175.31	20.203	76.235	141400.
#1	-.00018	-.00174	.00059	-.00007	.00499	-.00085	.00040
#2	-.00008	.00116	.00108	.00068	.00665	-.00025	-.00040

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00249	.00131	.00865	-.00591	-.03349
SDev	.00275	.00299	.00547	.00288	.01231
%RSD	110.52	229.28	63.318	48.700	36.747
#1	.00444	-.00081	.01252	-.00388	-.04219
#2	.00054	.00342	.00478	-.00795	-.02479

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Method: 6010 Sample Name: LCSS Operator: SJ
Run Time: 11/03/99 14:19:38
Comment: LCSS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.0602	.18704	1.0635	.19977	1.1359	1.3535	.02459
SDev	.0074	.00906	.0012	.00354	.0043	.0008	.00004
%RSD	.14696	4.8419	.11191	1.7705	.37811	.06190	.16988
#1	5.0550	.18063	1.0627	.19727	1.1389	1.3530	.02462
#2	5.0655	.19344	1.0644	.20227	1.1328	1.3541	.02456

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08996	.19985	746.53	.45435	.67818	31.487	103.44
SDev	.00034	.00062	1.55	.00056	.00186	.027	.18
%RSD	.38256	.31191	.20749	.12418	.27487	.08610	.17045
#1	.08972	.19940	745.43	.45395	.67686	31.467	103.32
#2	.09021	.20029	747.62	.45475	.67950	31.506	103.56

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.94479	529.02	.27125	.10093	.96901	.30056	.80691
SDev	.00237	.94	.00108	.00072	.00000	.00191	.00292
%RSD	.25126	.17862	.39801	.71576	.00000	.63561	.36218
#1	.94311	528.35	.27049	.10042	.96901	.29921	.80485
#2	.94647	529.68	.27201	.10144	.96901	.30191	.80898

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	1.0242	1.0832	.22200	.18867	.36577
SDev	.0002	.0017	.00200	.00431	.00932
%RSD	.02142	.15464	.89913	2.2824	2.5490
#1	1.0241	1.0820	.22059	.18562	.37237
#2	1.0244	1.0844	.22341	.19171	.35918

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Method: 6010 Sample Name: 87993 Operator: SJ
Run Time: 11/03/99 14:24:05
Comment: GP-009-SS10
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03751	.00471	2.3596	.00159	-.00317	8.5867	1.0752
SDev	.00107	.00283	.0135	.00188	.00012	.0227	.0035
%RSD	2.8611	60.108	.57324	118.14	3.7203	.26387	.32633
#1	.03675	.00271	2.3500	.00026	-.00309	8.5707	1.0727
#2	.03827	.00671	2.3692	.00292	-.00326	8.6027	1.0777

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02156	.03744	13.876	-.23486	.04927	.78201	34.924
SDev	.00001	.00021	.047	.00476	.00070	.00222	.128
%RSD	.02836	.57220	.34112	2.0281	1.4189	.28387	.36562
#1	.02156	.03728	13.843	-.23823	.04877	.78044	34.833
#2	.02155	.03759	13.910	-.23149	.04976	.78358	35.014

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.34737	10.881	3.3576	-.01013	1.6147	15.678	.53617
SDev	.00121	.040	.0133	.00003	.0129	.110	.00226
%RSD	.34943	.36955	.39520	.33597	.80063	.70436	.42203
#1	.34652	10.853	3.3482	-.01016	1.6056	15.600	.53457
#2	.34823	10.910	3.3669	-.01011	1.6239	15.756	.53777

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.3351	2.3718	.00986	-.00253	1.5298
SDev	.0116	.0145	.00259	.00153	.0034
%RSD	.49748	.61048	26.319	60.206	.21941
#1	2.3269	2.3616	.00802	-.00361	1.5322
#2	2.3433	2.3820	.01169	-.00146	1.5274

Method: 6010 Sample Name: 87994 Operator: SJ
Run Time: 11/03/99 14:27:28
Comment: GP-010-SS15
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00699	.00385	.07873	-.00159	-.00325	5.6024	.12182
SDev	.00238	.00099	.00175	.00174	.00303	.0014	.00015
%RSD	33.985	25.628	2.2162	109.60	93.009	.02441	.12001
#1	.00531	.00455	.07749	-.00036	-.00111	5.6014	.12172
#2	.00867	.00315	.07996	-.00282	-.00540	5.6033	.12193

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	.00785	2.6272	.02837	.00313	.16332	16.545
SDev	.00001	.00021	.0027	.00021	.00070	.00001	.038
%RSD	1.0045	2.7085	.10354	.74924	22.330	.00328	.23182
#1	.00119	.00800	2.6291	.02852	.00362	.16331	16.518
#2	.00118	.00770	2.6253	.02822	.00264	.16332	16.573

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04958	1.3877	.01201	-.00018	.91915	.02289	.32365
SDev	.00008	.0045	.00007	.00075	.00470	.00108	.00113
%RSD	.16251	.32524	.56768	424.04	.51147	4.7213	.35036
#1	.04953	1.3909	.01206	.00035	.91583	.02366	.32445
#2	.04964	1.3845	.01197	-.00071	.92248	.02213	.32285

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.08037	.07791	.00343	-.00409	.57464
SDev	.00354	.00085	.00137	.00330	.01678
%RSD	4.4055	1.0887	39.891	80.474	2.9206
#1	.07787	.07731	.00246	-.00176	.58650
#2	.08287	.07851	.00439	-.00643	.56277

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Method: 6010 Sample Name: 87994D Operator: SJ
Run Time: 11/03/99 14:29:54
Comment: GP-010-SS15D
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00455	.00008	.07817	-.00217	-.00501	5.5824	.12109
SDev	.00169	.00136	.00006	.00300	.00091	.0040	.00022
%RSD	37.039	1640.7	.07547	138.12	18.074	.07204	.18110
#1	.00575	-.00088	.07821	-.00005	-.00565	5.5853	.12125
#2	.00336	.00104	.07813	-.00429	-.00437	5.5796	.12094

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00113	.00817	2.6153	.02836	.00362	.16237	16.482
SDev	.00001	.00006	.0076	.00028	.00047	.00078	.068
%RSD	1.1043	.73844	.29124	.98579	12.856	.48055	.41522
#1	.00112	.00821	2.6206	.02816	.00330	.16292	16.530
#2	.00114	.00813	2.6099	.02855	.00395	.16182	16.433

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04936	1.3903	.01216	.00008	.92164	.02230	.32325
SDev	.00014	.0016	.00021	.00024	.00118	.00048	.00113
%RSD	.28606	.11805	1.7569	290.21	.12752	2.1363	.34997
#1	.04946	1.3915	.01231	-.00009	.92081	.02264	.32405
#2	.04926	1.3892	.01201	.00026	.92248	.02197	.32245

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.07682	.07884	.00640	-.00645	.57490
SDev	.00339	.00161	.00556	.00172	.00746
%RSD	4.4143	2.0353	86.927	26.624	1.2974
#1	.07922	.07771	.01033	-.00523	.56963
#2	.07443	.07998	.00247	-.00766	.58017

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Method: 6010 Sample Name: 87994S Operator: SJ
Run Time: 11/03/99 14:32:11
Comment: GP-010-SS15S
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1997	2.1410	.61772	2.0826	.52331	7.2899	2.0910
SDev	.0041	.0131	.00154	.0037	.00095	.0191	.0029
%RSD	.18471	.61312	.24950	.17999	.18109	.26134	.13784
#1	2.2026	2.1503	.61881	2.0799	.52398	7.2764	2.0889
#2	2.1968	2.1317	.61663	2.0852	.52264	7.3034	2.0930

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05314	.05985	2.5048	.22264	.52643	.41159	16.852
SDev	.00017	.00006	.0060	.00013	.00023	.00071	.014
%RSD	.32451	.09327	.23892	.05886	.04427	.17338	.08563
#1	.05326	.05989	2.5091	.22273	.52659	.41109	16.862
#2	.05302	.05981	2.5006	.22255	.52626	.41210	16.842

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56293	1.3201	.52856	.04550	.89505	.51075	.84506
SDev	.00076	.0041	.00018	.00089	.00353	.00000	.00453
%RSD	.13534	.31082	.03324	1.9551	.39393	.00012	.53625
#1	.56347	1.3230	.52844	.04613	.89256	.51075	.84827
#2	.56239	1.3172	.52868	.04487	.89754	.51075	.84186

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.61444	.61936	2.0200	2.1138	.55407
SDev	.00224	.00343	.0076	.0018	.01007
%RSD	.36501	.55387	.37495	.08698	1.8174
#1	.61286	.62178	2.0146	2.1125	.56119
#2	.61603	.61693	2.0253	2.1151	.54695

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Method: 6010 Sample Name: 87994SD Operator: SJ
Run Time: 11/03/99 14:34:23
Comment: GP-010-SS15SD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2007	2.1487	.61706	2.0805	.52175	7.2991	2.0944
SDev	.0044	.0139	.00197	.0015	.00460	.0199	.0053
%RSD	.19858	.64530	.31926	.07238	.88259	.27301	.25229
#1	2.1976	2.1389	.61845	2.0815	.51849	7.2850	2.0907
#2	2.2037	2.1585	.61567	2.0794	.52500	7.3131	2.0982

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05316	.06019	2.5045	.22251	.52659	.41206	16.846
SDev	.00005	.00026	.0033	.00020	.00000	.00061	.025
%RSD	.09318	.42718	.13035	.09166	.00000	.14781	.14679
#1	.05319	.06037	2.5068	.22266	.52659	.41163	16.829
#2	.05312	.06001	2.5022	.22237	.52659	.41249	16.864

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.56325	1.3210	.52955	.04548	.89671	.51316	.84433
SDev	.00006	.0037	.00061	.00048	.00353	.00066	.00047
%RSD	.01055	.27955	.11580	1.0473	.39320	.12829	.05598
#1	.56321	1.3236	.52998	.04582	.89422	.51270	.84466
#2	.56329	1.3184	.52911	.04515	.89921	.51363	.84399

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.61827	.61646	2.0188	2.1113	.55248
SDev	.00020	.00305	.0076	.0060	.01977
%RSD	.03263	.49545	.37504	.28597	3.5777
#1	.61813	.61862	2.0135	2.1155	.56646
#2	.61841	.61430	2.0242	2.1070	.53851

000162

Method: 6010 Sample Name: 87994LX5 Operator: SJ
Run Time: 11/03/99 14:37:20
Comment: GP-010-SS15LX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00439	-.00234	.01652	.00048	-.00175	1.0608	.02386
SDev	.00176	.00384	.00078	.00209	.00104	.0058	.00009
%RSD	40.157	164.37	4.7299	430.63	59.490	.54787	.39394
#1	.00564	.00038	.01707	.00196	-.00248	1.0567	.02379
#2	.00314	-.00505	.01597	-.00099	-.00101	1.0649	.02392

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	.00140	.52282	.00547	-.00016	.03124	3.2185
SDev	.00006	.00013	.00054	.00018	.00023	.00017	.0074
%RSD	8.3041	9.1276	.10407	3.3269	141.42	.53196	.23033
#1	.00070	.00149	.52321	.00560	.00000	.03112	3.2133
#2	.00078	.00131	.52244	.00534	-.00033	.03136	3.2238

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00963	.26896	.00305	-.00054	.18117	.00456	.06488
SDev	.00003	.00041	.00000	.00008	.00000	.00066	.00010
%RSD	.34611	.15255	.01702	15.163	.00000	14.462	.14581
#1	.00966	.26867	.00305	-.00048	.18117	.00409	.06495
#2	.00961	.26925	.00305	-.00060	.18117	.00502	.06481

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.01769	.01594	.00395	-.00125	.06303
SDev	.00521	.00143	.00201	.00212	.00112
%RSD	29.455	8.9684	50.772	170.02	1.7752
#1	.02137	.01493	.00537	.00025	.06224
#2	.01400	.01695	.00253	-.00275	.06382

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Method: 6010 Sample Name: 87995 Operator: SJ
Run Time: 11/03/99 14:40:20
Comment: GP-011-SS15
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01133	.00341	.01418	-.00177	-.00127	6.9600	.04240
SDev	.00176	.00224	.00083	.00328	.00145	.0168	.00010
%RSD	15.563	65.658	5.8307	185.67	114.47	.24132	.24630
#1	.01008	.00183	.01360	.00055	-.00024	6.9482	.04233
#2	.01258	.00499	.01477	-.00409	-.00229	6.9719	.04247

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00158	-.00106	2.2248	.12569	.00774	.06039	35.954
SDev	.00000	.00009	.0038	.00015	.00023	.00002	.106
%RSD	.00285	8.5121	.17118	.11662	3.0090	.02447	.29356
#1	.00158	-.00112	2.2221	.12579	.00758	.06038	35.879
#2	.00158	-.00100	2.2275	.12558	.00791	.06040	36.028

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41423	2.0640	.01589	-.00085	.94491	.02505	.03936
SDev	.00103	.0074	.00023	.00047	.00823	.00012	.00066
%RSD	.24923	.35783	1.4208	55.074	.87067	.45922	1.6859
#1	.41350	2.0588	.01605	-.00119	.93910	.02497	.03983
#2	.41496	2.0693	.01573	-.00052	.95073	.02514	.03889

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.01729	.01263	.00403	-.00466	.81145
SDev	.00179	.00214	.00083	.00451	.00112
%RSD	10.373	16.907	20.528	96.682	.13788
#1	.01856	.01112	.00461	-.00147	.81224
#2	.01603	.01414	.00344	-.00785	.81066

000164

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 14:42:44
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5723	2.4484	2.4937	2.4711	2.5391	24.114	2.3137
SDev	.0015	.0265	.0060	.0051	.0072	.074	.0097
%RSD	.05663	1.0808	.24235	.20600	.28432	.30574	.42066
#1	2.5733	2.4296	2.4980	2.4675	2.5340	24.166	2.3205
#2	2.5713	2.4671	2.4895	2.4747	2.5442	24.062	2.3068

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48373	2.4342	24.166	2.3520	2.4133	2.3675	10.014
SDev	.00154	.0030	.018	.0059	.0063	.0091	.008
%RSD	.31768	.12189	.07655	.24892	.26070	.38362	.07504
#1	.48481	2.4363	24.179	2.3561	2.4178	2.3740	10.009
#2	.48264	2.4321	24.153	2.3478	2.4089	2.3611	10.019

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3546	24.064	2.3835	1.3656	26.706	2.3027	2.5241
SDev	.0065	.014	.0045	.0040	.040	.0079	.0010
%RSD	.27398	.05627	.18695	.29211	.15114	.34370	.04115
#1	2.3592	24.073	2.3866	1.3685	26.734	2.3083	2.5249
#2	2.3500	24.054	2.3803	1.3628	26.677	2.2971	2.5234

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.4416	2.5198	2.4011	2.5061	25.213
SDev	.0109	.0036	.0011	.0082	.050
%RSD	.44800	.14286	.04534	.32622	.19969
#1	2.4493	2.5223	2.4018	2.5003	25.249
#2	2.4339	2.5172	2.4003	2.5119	25.177

Method: 6010 Sample Name: CCB9 Operator: SJ
Run Time: 11/03/99 14:44:40
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00314	-.00018	.00083	-.00126	.00291	-.01428	.00010
SDev	.00123	.00322	.00142	.00275	.00366	.00223	.00003
%RSD	39.013	1817.0	171.54	217.76	125.86	15.595	32.636
#1	.00401	-.00245	-.00018	-.00321	.00549	-.01585	.00007
#2	.00228	.00210	.00183	.00068	.00032	-.01270	.00012

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00064	-.00020	.00462	.00056	.00000	-.00027	.00145
SDev	.00000	.00002	.00000	.00071	.00047	.00005	.00865
%RSD	.03990	12.348	.00000	127.68	.00000	19.773	597.60
#1	.00064	-.00018	.00462	.00005	-.00033	-.00023	-.00467
#2	.00064	-.00021	.00462	.00106	.00033	-.00031	.00757

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	.00348	.00113	.00120	.00634	.00089	-.00013
SDev	.00009	.00492	.00007	.00018	.00182	.00066	.00094
%RSD	98.895	141.42	5.8661	14.783	28.636	74.039	707.08
#1	-.00003	-.00000	.00117	.00133	.00763	.00042	.00053
#2	-.00015	.00696	.00108	.00108	.00506	.00136	-.00080

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00273	-.00012	.00510	-.00444	-.01846
SDev	.00238	.00094	.00155	.00335	.01790
%RSD	87.394	779.82	30.422	75.545	96.975
#1	.00104	-.00078	.00400	-.00681	-.03112
#2	.00441	.00054	.00619	-.00207	-.00580

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Method: 6010 Sample Name: ~~89150~~ 87996 Operator: SJ
Run Time: 11/03/99 14:49:12
Comment: ~~13030C~~ 13216A EP-012 - 53 15
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00412	.01218	.00051	-.00139	-.00055	.00930	.00045
SDev	.00077	.00359	.00030	.00279	.00203	.00690	.00030
%RSD	18.608	29.487	59.502	199.82	368.17	74.196	67.233
#1	.00466	.01472	.00029	.00058	.00088	.01418	.00066
#2	.00358	.00964	.00072	-.00336	-.00199	.00442	.00024

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00085	-.00014	.09772	.00125	.00082	.00440	.27519
SDev	.00000	.00054	.00762	.00159	.00163	.00155	.03709
%RSD	.08766	378.95	7.7949	126.83	197.99	35.164	13.477
#1	.00085	.00024	.10310	.00238	.00198	.00549	.30142
#2	.00085	-.00052	.09233	.00013	-.00033	.00330	.24897

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00012	.03743	.00129	.00212	24.116	.00202	.00086
SDev	.00026	.01354	.00089	.00264	.364	.00192	.00085
%RSD	212.22	36.178	69.030	124.41	1.5108	94.787	98.582
#1	.00030	.04700	.00192	.00398	24.373	.00338	.00146
#2	-.00006	.02785	.00066	.00026	23.858	.00067	.00026

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00657	.00404	.00618	-.00518	.08413
SDev	.00553	.00231	.00693	.00072	.06900
%RSD	84.166	57.096	112.19	13.852	82.016
#1	-.01048	.00567	.01108	-.00467	.13291
#2	-.00266	.00241	.00128	-.00568	.03534

Analysis Report 11/03/99 02:52:49 PM

Method: 6010 Sample Name: 89151 Operator: SJ
Run Time: 11/03/99 14:51:23
Comment: 13930C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00493	.00327	.00243	.00112	-.00609	-.00428	.00105
SDev	.00222	.00012	.00089	.00171	.00090	.00113	.00006
%RSD	45.068	3.8119	36.372	152.79	14.828	26.381	5.9756
#1	.00651	.00318	.00181	.00233	-.00673	-.00507	.00109
#2	.00336	.00335	.00306	-.00009	-.00545	-.00348	.00100

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	-.00032	.41010	-.00027	-.00082	.00542	.59302
SDev	.00001	.00005	.02829	.00022	.00023	.00006	.00083
%RSD	1.5726	14.307	6.8986	80.610	28.284	1.0186	.14022
#1	.00078	-.00035	.39010	-.00043	-.00066	.00538	.59243
#2	.00080	-.00029	.43011	-.00012	-.00099	.00545	.59361

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	.13840	.00024	-.00035	46.934	-.00020	.00573
SDev	.00002	.00780	.00065	.00009	.025	.00036	.00094
%RSD	4.5571	5.6331	277.06	25.679	.05259	182.76	16.487
#1	.00038	.13288	-.00023	-.00029	46.952	.00006	.00506
#2	.00040	.14391	.00070	-.00042	46.917	-.00045	.00639

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00091	.00319	.00649	-.00156	.01741
SDev	.00688	.00211	.00575	.00543	.00746
%RSD	758.34	65.928	88.636	347.62	42.855
#1	-.00396	.00468	.00242	.00228	.02268
#2	.00577	.00171	.01055	-.00540	.01213

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Method: 6010 Sample Name: 88360 Operator: SJ
Run Time: 11/03/99 14:55:14
Comment: 13864C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00548	.00913	.00046	-.00043	-.00140	.00775	.01529
SDev	.00008	.00136	.00143	.00040	.00054	.00091	.00010
%RSD	1.4002	14.900	313.14	94.225	38.546	11.729	.68319
#1	.00553	.00817	-.00055	-.00014	-.00179	.00839	.01536
#2	.00542	.01009	.00146	-.00071	-.00102	.00710	.01521

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	-.00014	5.2698	.00071	-.00016	.01912	.03823
SDev	.00002	.00015	.0609	.00001	.00070	.00005	.01648
%RSD	3.2611	102.91	1.1563	1.5681	424.26	.27588	43.109
#1	.00073	-.00025	5.3128	.00071	-.00066	.01916	.02657
#2	.00077	-.00004	5.2267	.00072	.00033	.01908	.04988

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01887	1.1388	.00208	.00234	7.8867	.00203	.00668
SDev	.00014	.0152	.00037	.00027	.1269	.00060	.00038
%RSD	.72354	1.3331	17.776	11.709	1.6094	29.451	5.6639
#1	.01896	1.1495	.00182	.00215	7.9765	.00161	.00694
#2	.01877	1.1281	.00234	.00254	7.7970	.00246	.00641

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00125	.00131	.01354	-.00740	.65032
SDev	.00329	.00049	.00018	.00051	.00298
%RSD	263.59	37.846	1.3557	6.9484	.45879
#1	-.00358	.00096	.01367	-.00704	.64821
#2	.00108	.00166	.01341	-.00776	.65243

Method: 6010 Sample Name: 88361 Operator: SJ
Run Time: 11/03/99 14:57:39
Comment: 13864C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00347	.00642	-.00059	.00106	-.00635	.00716	.01508
SDev	.00061	.00248	.00117	.00043	.00122	.00088	.00008
%RSD	17.678	38.569	197.42	40.383	19.189	12.317	.55405
#1	.00390	.00467	-.00142	.00136	-.00722	.00654	.01502
#2	.00304	.00817	.00024	.00075	-.00549	.00778	.01514

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00078	-.00046	5.2255	-.00032	-.00049	.02892	.01638
SDev	.00001	.00009	.0147	.00023	.00023	.00039	.00535
%RSD	1.6222	19.958	.28111	72.340	47.140	1.3349	32.683
#1	.00078	-.00052	5.2151	-.00049	-.00066	.02865	.01259
#2	.00077	-.00039	5.2359	-.00016	-.00033	.02920	.02017

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01844	1.1173	.00145	.00035	7.9964	.00004	.00788
SDev	.00000	.0062	.00035	.00040	.0235	.00066	.00038
%RSD	.00694	.55085	24.065	116.00	.29395	1583.1	4.7925
#1	.01844	1.1130	.00120	.00006	7.9798	-.00042	.00761
#2	.01844	1.1217	.00170	.00064	8.0131	.00051	.00814

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00021	-.00099	.01586	-.00634	.53719
SDev	.00339	.00006	.00894	.00383	.02051
%RSD	1616.6	6.2786	56.380	60.374	3.8184
#1	-.00219	-.00104	.02218	-.00904	.52268
#2	.00261	-.00095	.00954	-.00363	.55169

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Method: 6010 Sample Name: 88362 Operator: SJ
Run Time: 11/03/99 14:59:49
Comment: 13864C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00428	.00533	.00310	.00021	-.00635	.00835	.01518
SDev	.00115	.00037	.00009	.00000	.00068	.00044	.00002
%RSD	26.852	6.9921	2.8581	1.6247	10.663	5.2485	.13757
#1	.00510	.00559	.00303	.00021	-.00683	.00804	.01520
#2	.00347	.00507	.00316	.00021	-.00587	.00866	.01517

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	-.00042	5.2463	.00001	-.00099	.06890	.01375
SDev	.00001	.00001	.0082	.00029	.00047	.00000	.00164
%RSD	1.5310	2.7101	.15556	4431.4	47.140	.00034	11.930
#1	.00078	-.00043	5.2521	-.00020	-.00066	.06890	.01259
#2	.00080	-.00041	5.2405	.00021	-.00132	.06890	.01491

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02685	1.1286	.00443	.00029	8.0579	.00068	.02016
SDev	.00012	.0082	.00024	.00013	.0282	.00048	.00019
%RSD	.45752	.72711	5.4241	44.448	.35005	70.766	.93637
#1	.02694	1.1344	.00460	.00038	8.0779	.00034	.02003
#2	.02676	1.1228	.00426	.00020	8.0380	.00102	.02030

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00337	.00296	.01366	-.00651	1.4808
SDev	.00074	.00050	.00493	.00245	.0034
%RSD	21.866	16.898	36.061	37.710	.22667
#1	.00389	.00261	.01018	-.00477	1.4831
#2	.00285	.00332	.01715	-.00824	1.4784

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Method: 6010 Sample Name: 88330 Operator: SJ
Run Time: 11/03/99 15:02:35
Comment: 13863C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00694	.00839	.00408	.00330	-.00228	.54730	.02907
SDev	.00414	.00359	.00080	.00380	.00122	.00937	.00036
%RSD	59.662	42.798	19.664	115.09	53.486	1.7121	1.2572
#1	.00987	.01093	.00352	.00599	-.00142	.55392	.02933
#2	.00401	.00585	.00465	.00062	-.00314	.54067	.02881

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	.00024	7.4457	.00948	-.00099	.06611	.34856
SDev	.00005	.00031	.0979	.00103	.00047	.00094	.03092
%RSD	6.4955	128.00	1.3153	10.884	47.140	1.4222	8.8709
#1	.00078	.00046	7.5149	.01021	-.00066	.06677	.37043
#2	.00071	.00002	7.3764	.00875	-.00132	.06544	.32670

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03712	4.4078	.00541	.00110	H252.96	.00134	.17952
SDev	.00054	.0648	.00113	.00126	2.54	.00168	.00160
%RSD	1.4437	1.4708	20.946	114.65	1.0059	125.12	.89370
#1	.03749	4.4536	.00621	.00199	H254.76	.00253	.18065
#2	.03674	4.3619	.00461	.00021	H251.16	.00015	.17838

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00269	.00478	.01880	-.00443	32.726
SDev	.00241	.00000	.00857	.00142	.357
%RSD	89.428	.03009	45.605	32.077	1.0918
#1	.00099	.00478	.02486	-.00343	32.978
#2	.00440	.00478	.01274	-.00544	32.473

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Method: 6010 Sample Name: 88331 Operator: SJ
Run Time: 11/03/99 15:05:06
Comment: 13863C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00401	.01393	.00187	.00054	-.00078	.51687	.01918
SDev	.00092	.00508	.00152	.00024	.00099	.00203	.00012
%RSD	22.933	36.458	81.270	45.559	128.08	.39258	.59902
#1	.00336	.01752	.00080	.00036	-.00148	.51830	.01926
#2	.00466	.01034	.00295	.00071	-.00007	.51543	.01910

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00008	.00023	9.5085	.01056	.00313	.08650	.30857
SDev	.00001	.00003	.0566	.00038	.00070	.00039	.00373
%RSD	15.618	14.895	.59507	3.5853	22.330	.44611	1.2080
#1	.00007	.00025	9.5485	.01083	.00264	.08677	.31120
#2	.00009	.00021	9.4685	.01029	.00362	.08623	.30593

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05536	5.2332	.00416	.00113	H156.37	.00300	.52708
SDev	.00030	.0283	.00050	.00022	.50	.00066	.00255
%RSD	.54232	.54100	12.071	19.897	.31717	22.020	.48363
#1	.05557	5.2532	.00381	.00097	H156.72	.00253	.52889
#2	.05514	5.2132	.00452	.00129	H156.02	.00346	.52528

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00342	.00110	.02144	-.00990	25.450
SDev	.00093	.00275	.00192	.00132	.380
%RSD	27.261	250.35	8.9374	13.357	1.4918
#1	.00408	-.00085	.02279	-.01083	25.718
#2	.00276	.00304	.02008	-.00896	25.181

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Method: 6010 Sample Name: 88332 Operator: SJ
Run Time: 11/03/99 15:07:42
Comment: 13863C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00564	.01269	.00482	.00410	.00002	.42426	.02212
SDev	.00414	.00322	.00042	.00159	.00276	.00245	.00008
%RSD	73.430	25.374	8.6107	38.648	12737.	.57673	.37763
#1	.00271	.01496	.00453	.00298	-.00193	.42253	.02206
#2	.00857	.01041	.00511	.00522	.00197	.42599	.02218

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00038	.00050	9.7220	.00381	.00214	.10814	.32426
SDev	.00000	.00005	.0190	.00035	.00023	.00016	.00205
%RSD	.07955	9.2450	.19587	9.1896	10.879	.15297	.63359
#1	.00038	.00046	9.7085	.00406	.00231	.10803	.32280
#2	.00038	.00053	9.7355	.00356	.00198	.10826	.32571

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06665	6.9421	.00614	.00220	H158.95	.00300	.17852
SDev	.00012	.0086	.00024	.00040	.09	.00078	.00076
%RSD	.18576	.12412	3.9109	18.390	.05915	26.020	.42309
#1	.06656	6.9360	.00597	.00192	H158.88	.00244	.17798
#2	.06674	6.9482	.00631	.00249	H159.01	.00355	.17905

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00767	.00340	.02491	-.00629	37.193
SDev	.00185	.00155	.00611	.00543	.120
%RSD	24.128	45.471	24.538	86.372	.32389
#1	.00898	.00231	.02924	-.01013	37.108
#2	.00636	.00449	.02059	-.00245	37.278

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Method: 6010 Sample Name: 88333 Operator: SJ
Run Time: 11/03/99 15:10:00
Comment: 13863C
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00455	.00979	.00242	.00161	.00054	.23160	.01521
SDev	.00046	.00013	.00036	.00135	.00149	.00224	.00000
%RSD	10.102	1.2730	15.072	83.723	277.27	.96598	.00000
#1	.00488	.00988	.00216	.00257	-.00052	.23318	.01521
#2	.00423	.00971	.00268	.00066	.00159	.23002	.01521

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00058	-.00014	6.6786	.00259	-.00033	.10416	.20423
SDev	.00004	.00028	.0054	.00030	.00047	.00061	.00577
%RSD	6.3404	197.25	.08146	11.558	141.42	.58216	2.8254
#1	.00061	-.00034	6.6824	.00238	-.00066	.10459	.20831
#2	.00056	.00006	6.6747	.00280	.00000	.10373	.20015

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03958	4.4118	.00493	.00036	H152.35	.00381	.15602
SDev	.00013	.0008	.00022	.00040	.28	.00012	.00010
%RSD	.31563	.01859	4.4240	109.94	.18668	3.1435	.06061
#1	.03967	4.4113	.00508	.00008	H152.56	.00389	.15595
#2	.03950	4.4124	.00477	.00064	H152.15	.00372	.15609

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00445	.00141	.01732	-.00623	31.926
SDev	.00396	.00143	.00228	.00316	.135
%RSD	88.839	101.48	13.171	50.813	.42404
#1	.00166	.00242	.01571	-.00399	32.022
#2	.00725	.00040	.01893	-.00847	31.831

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Method: 6010 Sample Name: 89617 Operator: SJ
Run Time: 11/03/99 15:15:07
Comment: TANK-NW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10007	.00204	5.9521	-.00173	.00647	65.830	1.1808
SDev	.00077	.00875	.0219	.00410	.00325	.153	.0025
%RSD	.76609	427.80	.36843	236.51	50.201	.23305	.21580
#1	.10061	.00823	5.9366	.00117	.00417	65.722	1.1790
#2	.09953	-.00414	5.9676	-.00463	.00876	65.939	1.1826

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00440	.02486	343.47	.37137	.79351	.99738	165.78
SDev	.00000	.00014	.52	.00090	.00140	.00289	.16
%RSD	.01163	.55038	.15001	.24303	.17618	.28933	.09950
#1	.00440	.02496	343.10	.37073	.79253	.99534	165.67
#2	.00440	.02477	343.83	.37201	.79450	.99942	165.90

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.1272	88.370	.18555	.00147	2.8522	.24614	5.4731
SDev	.0055	.138	.00053	.00072	.0118	.00131	.0105
%RSD	.17721	.15601	.28802	48.542	.41207	.53277	.19141
#1	3.1233	88.272	.18517	.00097	2.8439	.24522	5.4657
#2	3.1311	88.467	.18593	.00198	2.8605	.24707	5.4806

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	5.8125	6.0217	.02040	-.01278	5.6459
SDev	.0112	.0273	.00102	.00564	.0108
%RSD	.19188	.45351	4.9794	44.103	.19157
#1	5.8046	6.0024	.02112	-.00880	5.6382
#2	5.8204	6.0411	.01968	-.01677	5.6535

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Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 15:17:36
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6348	2.5096	2.5856	2.5354	2.5665	24.103	2.2935
SDev	.0108	.0125	.0080	.0009	.0136	.016	.0037
%RSD	.41027	.49871	.30886	.03430	.52960	.06498	.16118
#1	2.6271	2.5184	2.5912	2.5360	2.5569	24.092	2.2908
#2	2.6424	2.5007	2.5799	2.5348	2.5761	24.114	2.2961

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49432	2.5255	25.168	2.3975	2.4638	2.3408	10.259
SDev	.00027	.0016	.058	.0008	.0030	.0029	.016
%RSD	.05495	.06251	.22914	.03366	.12296	.12218	.15705
#1	.49451	2.5266	25.209	2.3970	2.4659	2.3388	10.270
#2	.49413	2.5244	25.127	2.3981	2.4616	2.3428	10.247

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.3934	24.931	2.4471	1.4049	26.454	2.3197	2.6767
SDev	.0016	.044	.0037	.0004	.064	.0016	.0089
%RSD	.06644	.17611	.15078	.02987	.24381	.06722	.33156
#1	2.3946	24.962	2.4497	1.4052	26.408	2.3185	2.6829
#2	2.3923	24.900	2.4444	1.4046	26.500	2.3208	2.6704

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5336	2.6115	2.4517	2.5772	24.995
SDev	.0079	.0080	.0011	.0008	.048
%RSD	.31166	.30750	.04461	.02940	.19248
#1	2.5392	2.6172	2.4525	2.5778	24.961
#2	2.5280	2.6058	2.4509	2.5767	25.029

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Method: 6010 Sample Name: CCB10 Operator: SJ
Run Time: 11/03/99 15:19:38
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00271	.00455	.00086	-.00072	-.00527	-.01618	.00007
SDev	.00368	.00099	.00040	.00066	.00023	.00135	.00001
%RSD	135.76	21.750	46.171	92.561	4.2812	8.3682	15.713
#1	.00531	.00525	.00114	-.00119	-.00543	-.01713	.00007
#2	.00011	.00385	.00058	-.00025	-.00511	-.01522	.00006

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00071	-.00031	.01000	.00027	-.00049	-.00059	-.00875
SDev	.00001	.00037	.00435	.00017	.00023	.00028	.00000
%RSD	1.7698	119.53	43.514	65.001	47.140	47.042	.04492
#1	.00070	-.00057	.01308	.00014	-.00066	-.00078	-.00876
#2	.00071	-.00005	.00692	.00039	-.00033	-.00039	-.00875

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00004	.00174	.00040	.00032	.00914	.00064	.00093
SDev	.00002	.00410	.00087	.00009	.00353	.00042	.00000
%RSD	44.590	235.70	217.24	27.105	38.569	65.955	.00001
#1	-.00005	.00464	-.00022	.00026	.01163	.00093	.00093
#2	-.00003	-.00116	.00102	.00038	.00665	.00034	.00093

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00252	.00003	.00568	-.00391	-.04035
SDev	.00228	.00055	.01022	.00411	.01231
%RSD	90.579	1841.8	179.99	105.09	30.503
#1	.00414	-.00036	-.00155	-.00100	-.04905
#2	.00091	.00042	.01290	-.00681	-.03165

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Method: 6010 Sample Name: 89618 Operator: SJ
Run Time: 11/03/99 15:27:42
Comment: TANK-EW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06858	-.00764	.19760	-.01837	-.00395	99.600	.61091
SDev	.00360	.00704	.00242	.00102	.00314	1.239	.00629
%RSD	5.2544	92.127	1.2245	5.5410	79.564	1.2437	1.0291
#1	.06603	-.00266	.19589	-.01765	-.00173	98.724	.60646
#2	.07112	-.01262	.19931	-.01909	-.00617	100.48	.61535

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00609	-.00224	350.88	.12907	.13527	.33300	252.10
SDev	.00009	.00007	4.68	.00232	.00163	.00441	3.20
%RSD	1.4026	3.1055	1.3332	1.8005	1.2058	1.3247	1.2684
#1	.00603	-.00219	347.58	.12743	.13412	.32988	249.84
#2	.00615	-.00229	354.19	.13072	.13643	.33612	254.36

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.7613	71.475	.22338	-.00592	1.7735	.13458	.83604
SDev	.0783	.944	.00345	.00019	.0400	.00213	.00983
%RSD	1.1574	1.3209	1.5423	3.2903	2.2532	1.5836	1.1762
#1	6.7060	70.808	.22094	-.00605	1.7452	.13307	.82909
#2	6.8166	72.143	.22582	-.00578	1.8017	.13608	.84300

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.20674	.19304	.01874	-.03690	9.9078
SDev	.00100	.00413	.00618	.00461	.1454
%RSD	.48561	2.1389	32.972	12.496	1.4680
#1	.20745	.19012	.01437	-.03364	9.8050
#2	.20603	.19596	.02311	-.04016	10.011

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Method: 6010 Sample Name: 89619 Operator: SJ
Run Time: 11/03/99 15:30:15
Comment: TANK-WW
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08327	-.00509	.28493	-.01713	-.00087	144.54	.83136
SDev	.00092	.00043	.00172	.00071	.00311	.10	.00151
%RSD	1.1049	8.3727	.60478	4.1401	359.08	.06766	.18214
#1	.08392	-.00479	.28371	-.01764	.00133	144.47	.83029
#2	.08262	-.00539	.28615	-.01663	-.00306	144.61	.83243

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00733	-.00648	25.353	.17538	.17333	.32849	332.49
SDev	.00002	.00024	.003	.00056	.00000	.00004	.12
%RSD	.32628	3.6330	.01072	.31690	.00000	.01149	.03720
#1	.00732	-.00664	25.355	.17577	.17333	.32846	332.58
#2	.00735	-.00631	25.351	.17499	.17333	.32852	332.40

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.8623	54.863	.26899	-.00860	1.4851	.17616	.86408
SDev	.0120	.017	.00018	.00051	.0012	.00180	.00010
%RSD	.13552	.03141	.06817	5.8720	.07914	1.0243	.01129
#1	8.8538	54.851	.26886	-.00825	1.4843	.17488	.86401
#2	8.8707	54.875	.26912	-.00896	1.4859	.17743	.86415

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.29196	.28142	.00878	-.03007	10.739
SDev	.00214	.00152	.00347	.00279	.010
%RSD	.73230	.53874	39.488	9.2937	.09030
#1	.29045	.28035	.01123	-.03205	10.732
#2	.29347	.28249	.00633	-.02810	10.746

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Method: 6010 Sample Name: 87710 Operator: SJ
Run Time: 11/03/99 15:40:48
Comment: CC0W101XXX99XX
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00726	.00121	-.00060	-.00177	-.00588	.00043	.10059
SDev	.00046	.00619	.00024	.00007	.00108	.00133	.00036
%RSD	6.3323	511.92	39.186	3.9616	18.450	311.06	.35298
#1	.00759	-.00317	-.00044	-.00182	-.00664	-.00051	.10034
#2	.00694	.00559	-.00077	-.00172	-.00511	.00137	.10084

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00077	-.00030	113.84	.00052	-.00099	.01060	.06883
SDev	.00003	.00009	.20	.00026	.00000	.00022	.00659
%RSD	3.2406	30.215	.17874	49.711	.00000	2.0691	9.5804
#1	.00078	-.00024	113.69	.00070	-.00099	.01044	.07349
#2	.00075	-.00037	113.98	.00034	-.00099	.01075	.06417

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02542	9.5473	.00118	.00147	H132.41	.00127	.00861
SDev	.00005	.0271	.00015	.00044	.08	.00048	.00047
%RSD	.19945	.28365	12.870	30.315	.05858	37.830	5.4806
#1	.02538	9.5281	.00129	.00115	H132.35	.00093	.00894
#2	.02545	9.5664	.00108	.00178	H132.46	.00161	.00828

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00087	-.00134	.01469	-.00999	3.2904
SDev	.00130	.00029	.00602	.00311	.0153
%RSD	149.93	21.879	40.986	31.158	.46472
#1	.00178	-.00154	.01895	-.01219	3.2796
#2	-.00005	-.00113	.01043	-.00779	3.3012

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Method: 6010 Sample Name: 87712 Operator: SJ
Run Time: 11/03/99 15:42:59
Comment: CC0W101XXX99MS
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00548	.00392	-.00008	.00200	-.00386	.00044	.10089
SDev	.00115	.00384	.00009	.00297	.00050	.00000	.00014
%RSD	21.003	97.817	108.47	148.96	12.856	.32968	.13456
#1	.00629	.00664	-.00002	.00410	-.00351	.00044	.10099
#2	.00466	.00121	-.00014	-.00011	-.00422	.00044	.10079

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	-.00029	114.34	-.00004	-.00033	.01017	.06039
SDev	.00000	.00001	.07	.00004	.00000	.00005	.00454
%RSD	.00313	4.1336	.05853	92.395	.00000	.53514	7.5175
#1	.00075	-.00028	114.29	-.00007	-.00033	.01021	.05718
#2	.00075	-.00030	114.39	-.00002	-.00033	.01013	.06360

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02546	9.5806	.00088	.00043	H132.20	.00089	.00841
SDev	.00002	.0127	.00024	.00013	.02	.00006	.00019
%RSD	.06550	.13276	27.387	30.834	.01245	6.7789	2.2465
#1	.02548	9.5716	.00071	.00052	H132.18	.00093	.00854
#2	.02545	9.5896	.00105	.00034	H132.21	.00084	.00828

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00052	.00014	.01779	-.00589	3.3033
SDev	.00368	.00171	.01186	.00146	.0104
%RSD	707.88	1225.8	66.676	24.857	.31613
#1	.00208	-.00107	.02618	-.00692	3.3107
#2	-.00312	.00135	.00940	-.00485	3.2959

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Method: 6010 Sample Name: 87713 Operator: SJ
Run Time: 11/03/99 15:49:35
Comment: CC0W101XXX99MD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0540	1.9443	.53888	1.9914	.56108	2.0926	1.9829
SDev	.0232	.0103	.00088	.0550	.00045	.0004	.0056
%RSD	1.1272	.52814	.16374	2.7636	.08047	.02109	.28439
#1	2.0376	1.9370	.53826	1.9524	.56139	2.0929	1.9869
#2	2.0704	1.9516	.53951	2.0303	.56076	2.0923	1.9789

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05468	.05218	110.55	.18965	.51770	.26167	1.1539
SDev	.00014	.00001	.07	.00028	.00140	.00088	.0012
%RSD	.24782	.02242	.05955	.14974	.27006	.33668	.10738
#1	.05477	.05217	110.60	.18945	.51868	.26229	1.1548
#2	.05458	.05219	110.50	.18985	.51671	.26105	1.1531

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52768	9.2551	.51565	.05236	H129.70	.48646	.56685
SDev	.00097	.0070	.00107	.00018	.01	.00000	.00142
%RSD	.18382	.07537	.20751	.33899	.01088	.00001	.24985
#1	.52837	9.2600	.51641	.05249	H129.71	.48646	.56585
#2	.52700	9.2502	.51490	.05224	H129.69	.48646	.56786

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.53743	.53961	1.9757	1.9992	3.1435
SDev	.00178	.00043	.0063	.0857	.0090
%RSD	.33132	.08042	.31862	4.2843	.28474
#1	.53617	.53930	1.9801	1.9386	3.1498
#2	.53868	.53992	1.9712	2.0598	3.1372

Method: 6010 Sample Name: 87713D Operator: SJ
Run Time: 11/03/99 15:51:16
Comment: CC0W101XXX99MDD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.0566	1.9445	.54128	2.0286	.55319	2.0873	1.9736
SDev	.0009	.0005	.00018	.0024	.00402	.0013	.0026
%RSD	.04473	.02546	.03323	.11992	.72616	.06295	.13387
#1	2.0573	1.9449	.54115	2.0303	.55603	2.0863	1.9717
#2	2.0560	1.9442	.54140	2.0269	.55035	2.0882	1.9755

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05447	.05230	110.39	.18832	.51770	.26027	1.1507
SDev	.00014	.00028	.01	.00035	.00047	.00033	.0182
%RSD	.24787	.52502	.00542	.18348	.09002	.12593	1.5775
#1	.05437	.05250	110.38	.18856	.51737	.26003	1.1636
#2	.05456	.05211	110.39	.18808	.51803	.26050	1.1379

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.52579	9.2345	.51304	.05232	H129.52	.48531	.56632
SDev	.00040	.0098	.00013	.00075	.50	.00126	.00028
%RSD	.07621	.10664	.02529	1.4306	.38657	.25960	.05009
#1	.52551	9.2275	.51313	.05285	H129.16	.48442	.56612
#2	.52607	9.2415	.51295	.05179	H129.87	.48620	.56652

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.53668	.54357	1.9664	2.0596	3.1216
SDev	.00223	.00138	.0004	.0038	.0078
%RSD	.41503	.25420	.01857	.18594	.25089
#1	.53825	.54260	1.9662	2.0623	3.1271
#2	.53510	.54455	1.9667	2.0569	3.1161

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Method: 6010 Sample Name: 87710LX5 Operator: SJ
Run Time: 11/03/99 15:58:13
Comment: CC0W101XXX99XXLX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00434	-.00076	-.00077	.00074	-.00109	-.01401	.02068
SDev	.00031	.00730	.00103	.00168	.00235	.00044	.00008
%RSD	7.0711	964.27	132.36	227.28	216.36	3.1048	.40406
#1	.00455	.00441	-.00005	-.00045	.00058	-.01432	.02073
#2	.00412	-.00592	-.00150	.00193	-.00275	-.01371	.02062

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00074	-.00031	23.410	.00059	-.00016	.00168	.01749
SDev	.00001	.00007	.078	.00010	.00070	.00028	.01236
%RSD	1.6967	21.653	.33466	16.600	424.26	16.524	70.667
#1	.00075	-.00036	23.466	.00052	-.00066	.00148	.00875
#2	.00073	-.00026	23.355	.00066	.00033	.00187	.02623

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00517	1.9381	.00241	.00089	37.216	.00153	.00354
SDev	.00001	.0033	.00030	.00018	.059	.00060	.00010
%RSD	.27782	.16936	12.662	20.686	.15789	39.267	2.6777
#1	.00518	1.9404	.00219	.00076	37.258	.00110	.00360
#2	.00516	1.9358	.00262	.00102	37.175	.00195	.00347

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00012	-.00122	.00600	-.00189	.66303
SDev	.00001	.00153	.00064	.00284	.00385
%RSD	6.4717	125.61	10.667	150.46	.58047
#1	.00012	-.00014	.00645	-.00389	.66031
#2	.00011	-.00230	.00554	.00012	.66575

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Method: 6010 Sample Name: 87710X5 Operator: SJ
Run Time: 11/03/99 16:00:10
Comment: CC0W101XXX99XXX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00434	.00265	-.00039	.00337	-.00607	-.02509	.02036
SDev	.00414	.00966	.00110	.00269	.00009	.00270	.00005
%RSD	95.459	363.78	283.25	79.797	1.4979	10.764	.25648
#1	.00726	.00948	.00039	.00147	-.00613	-.02318	.02040
#2	.00141	-.00417	-.00117	.00528	-.00600	-.02700	.02032

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	-.00027	23.086	-.00019	-.00099	.00082	-.00671
SDev	.00001	.00008	.083	.00020	.00093	.00050	.00619
%RSD	1.7606	30.396	.36057	108.45	94.281	60.785	92.236
#1	.00068	-.00033	23.027	-.00033	-.00033	.00117	-.00233
#2	.00070	-.00021	23.145	-.00004	-.00165	.00047	-.01109

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00496	1.9094	.00113	-.00040	37.377	.00106	.00220
SDev	.00002	.0078	.00015	.00066	.025	.00054	.00066
%RSD	.32000	.40830	13.517	165.03	.06603	50.924	29.990
#1	.00495	1.9039	.00124	.00007	37.359	.00068	.00267
#2	.00497	1.9149	.00102	-.00087	37.394	.00144	.00174

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00032	-.00043	.00897	.00058	.61929
SDev	.00293	.00019	.00666	.00736	.01500
%RSD	929.10	44.972	74.293	1260.6	2.4218
#1	.00176	-.00029	.01367	-.00462	.62990
#2	-.00239	-.00056	.00426	.00579	.60869

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Method: 6010 Sample Name: 87712X5 Operator: SJ
Run Time: 11/03/99 16:02:18
Comment: CC0W101XXX99MSX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00851	.00239	.00086	-.00022	-.00428	-.02382	.02040
SDev	.00176	.00507	.00103	.00188	.00199	.00002	.00005
%RSD	20.718	212.17	119.65	856.46	46.461	.07147	.25592
#1	.00976	-.00120	.00013	-.00155	-.00568	-.02381	.02037
#2	.00726	.00598	.00158	.00111	-.00287	-.02383	.02044

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	-.00032	23.110	-.00023	-.00082	.00105	-.01399
SDev	.00004	.00014	.012	.00048	.00023	.00028	.00248
%RSD	5.3287	42.764	.05179	205.50	28.284	26.205	17.742
#1	.00066	-.00042	23.101	-.00057	-.00099	.00085	-.01224
#2	.00071	-.00023	23.118	.00011	-.00066	.00124	-.01575

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00489	1.9108	.00138	-.00015	37.328	.00081	.00254
SDev	.00002	.0016	.00046	.00014	.054	.00078	.00019
%RSD	.37463	.08589	33.358	89.394	.14484	96.699	7.4447
#1	.00490	1.9097	.00105	-.00025	37.290	.00025	.00240
#2	.00487	1.9120	.00170	-.00006	37.366	.00136	.00267

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00423	-.00083	.01690	-.00877	.62528
SDev	.00186	.00247	.00620	.00028	.01651
%RSD	44.051	298.10	36.708	3.2420	2.6397
#1	.00555	-.00257	.01251	-.00857	.61361
#2	.00291	.00092	.02129	-.00897	.63695

000187

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Method: 6010 Sample Name: 87710LX25 Operator: SJ
Run Time: 11/03/99 16:07:05
Comment: CC0W101XXX99XXLX25
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00369	.00149	.00179	.00231	-.00185	-.02633	.00406
SDev	.00184	.00285	.00112	.00358	.00081	.00134	.00004
%RSD	49.913	190.88	62.555	154.54	43.909	5.0886	1.0285
#1	.00239	.00350	.00100	.00484	-.00243	-.02728	.00403
#2	.00499	-.00052	.00258	-.00021	-.00128	-.02539	.00409

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	-.00020	4.6408	.00036	-.00016	-.00070	-.00485
SDev	.00004	.00003	.0016	.00001	.00023	.00022	.00371
%RSD	5.6500	16.786	.03517	3.3437	141.42	31.471	76.449
#1	.00063	-.00023	4.6396	.00037	-.00033	-.00086	-.00747
#2	.00068	-.00018	4.6419	.00035	.00000	-.00055	-.00223

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00091	.38530	.00124	.00045	7.6067	.00114	.00100
SDev	.00007	.00000	.00048	.00036	.0059	.00018	.00009
%RSD	7.8184	.00000	38.859	80.029	.07725	15.696	9.4179
#1	.00086	.38530	.00090	.00019	7.6025	.00102	.00093
#2	.00096	.38530	.00158	.00070	7.6108	.00127	.00107

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00270	.00134	.01452	-.00378	.07853
SDev	.00143	.00239	.00630	.00222	.00561
%RSD	52.964	178.87	43.373	58.726	7.1404
#1	.00371	-.00035	.01897	-.00221	.07456
#2	.00169	.00303	.01006	-.00535	.08249

Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 16:09:36
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5758	2.4275	2.5437	2.4425	2.6012	23.487	2.5108
SDev	.0022	.0052	.0048	.0105	.0055	.065	.0027
%RSD	.08725	.21392	.18854	.42832	.21272	.27647	.10789
#1	2.5742	2.4312	2.5471	2.4351	2.5972	23.441	2.5089
#2	2.5774	2.4238	2.5403	2.4499	2.6051	23.533	2.5127

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50262	2.5095	24.196	2.4489	2.5240	2.4458	9.8825
SDev	.00019	.0014	.007	.0000	.0012	.0039	.0090
%RSD	.03867	.05667	.02923	.00059	.04903	.16134	.09147
#1	.50248	2.5105	24.201	2.4490	2.5231	2.4430	9.8761
#2	.50275	2.5085	24.191	2.4489	2.5249	2.4486	9.8889

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4565	24.049	2.4672	1.4182	26.280	2.5131	2.5233
SDev	.0012	.027	.0003	.0003	.050	.0018	.0056
%RSD	.04726	.11431	.01385	.02349	.18955	.07242	.22014
#1	2.4557	24.068	2.4670	1.4184	26.245	2.5118	2.5272
#2	2.4574	24.029	2.4675	1.4180	26.316	2.5144	2.5193

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.4566	2.5872	2.3570	2.4852	24.706
SDev	.0083	.0031	.0125	.0094	.027
%RSD	.33667	.11832	.53026	.38005	.11020
#1	2.4625	2.5894	2.3481	2.4785	24.686
#2	2.4508	2.5850	2.3658	2.4919	24.725

Analysis Report QC Standard 11/03/99 04:18:59 PM

Method: 6010 Sample Name: CCB11 Operator: SJ
Run Time: 11/03/99 16:11:38
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00356	.00306	.00133	.00013	.00186	-.02745	.00012
SDev	.00209	.00582	.00012	.00032	.00000	.00023	.00002
%RSD	58.744	190.15	8.7296	241.26	.01966	.85270	20.203
#1	.00504	.00718	.00141	.00036	.00186	-.02728	.00010
#2	.00208	-.00105	.00125	-.00009	.00186	-.02762	.00013

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00067	-.00018	.00308	.00054	-.00035	-.00121	-.00789
SDev	.00004	.00010	.00000	.00018	.00000	.00006	.00207
%RSD	5.7903	51.857	.00000	33.727	.00000	4.8482	26.191
#1	.00064	-.00025	.00308	.00066	-.00035	-.00125	-.00643
#2	.00070	-.00012	.00308	.00041	-.00035	-.00117	-.00935

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00145	.00082	.00057	.01246	.00176	.00000
SDev	.00006	.00041	.00011	.00013	.00074	.00047	.00000
%RSD	508.37	28.284	13.838	23.302	5.9479	26.755	26.194
#1	.00005	.00116	.00090	.00047	.01299	.00143	.00000
#2	-.00003	.00174	.00074	.00066	.01194	.00210	.00000

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00242	.00079	.00716	-.00337	-.03771
SDev	.00050	.00042	.00064	.00080	.00485
%RSD	20.834	54.057	8.9181	23.804	12.856
#1	.00206	.00109	.00671	-.00281	-.03428
#2	.00277	.00049	.00761	-.00394	-.04114

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Method: 6010 Sample Name: 87713X5 Operator: SJ
Run Time: 11/03/99 16:19:29
Comment: CC0W101XXX99MDX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41703	.39317	.11200	.38768	.10781	.38884	.46801
SDev	.00054	.00062	.00072	.00366	.00038	.00067	.00057
%RSD	.13007	.15741	.64596	.94397	.34769	.17297	.12279
#1	.41742	.39361	.11149	.39027	.10808	.38931	.46842
#2	.41665	.39274	.11251	.38509	.10755	.38836	.46760

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01202	.01097	22.733	.04218	.11290	.05565	.22774
SDev	.00003	.00018	.013	.00030	.00025	.00047	.00660
%RSD	.21638	1.6246	.05504	.70896	.21926	.84801	2.8963
#1	.01200	.01110	22.724	.04239	.11308	.05599	.23240
#2	.01204	.01085	22.742	.04197	.11273	.05532	.22307

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11652	1.8978	.11172	.01119	37.246	.11375	.11540
SDev	.00005	.0021	.00052	.00031	.049	.00000	.00028
%RSD	.04659	.10811	.46950	2.7574	.13253	.00027	.24080
#1	.11648	1.8963	.11209	.01097	37.281	.11375	.11520
#2	.11656	1.8992	.11135	.01140	37.211	.11375	.11560

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.11000	.11299	.38078	.39113	.45676
SDev	.00065	.00141	.00474	.00312	.00447
%RSD	.58774	1.2456	1.2459	.79722	.97982
#1	.11046	.11200	.38414	.39333	.45992
#2	.10955	.11399	.37743	.38892	.45359

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Method: 6010 Sample Name: 87713DX5 Operator: SJ
Run Time: 11/03/99 16:22:05
Comment: CC0W101XXX99MDDX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41232	.39125	.11233	.38282	.10728	.38933	.46825
SDev	.00101	.00730	.00137	.00005	.00141	.00135	.00070
%RSD	.24431	1.8669	1.2219	.01233	1.3112	.34582	.15027
#1	.41161	.38608	.11136	.38286	.10827	.39028	.46775
#2	.41303	.39641	.11330	.38279	.10629	.38838	.46875

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01205	.01073	22.800	.04209	.11308	.05532	.23154
SDev	.00001	.00011	.004	.00060	.00049	.00024	.00123
%RSD	.10772	.99957	.01909	1.4298	.43784	.42603	.53339
#1	.01204	.01066	22.797	.04166	.11343	.05515	.23067
#2	.01206	.01081	22.803	.04252	.11273	.05549	.23241

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11631	1.9027	.11176	.01074	37.086	.11304	.11625
SDev	.00006	.0033	.00009	.00005	.020	.00007	.00056
%RSD	.04851	.17252	.08161	.41975	.05387	.05960	.47777
#1	.11627	1.9050	.11170	.01071	37.072	.11299	.11586
#2	.11635	1.9004	.11183	.01078	37.100	.11309	.11664

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.11440	.11130	.37582	.38632	.45069
SDev	.00030	.00221	.00648	.00331	.00932
%RSD	.26673	1.9858	1.7237	.85548	2.0688
#1	.11462	.10973	.37124	.38866	.44410
#2	.11419	.11286	.38040	.38398	.45728

Method: 6010 Sample Name: 87711 Operator: SJ
Run Time: 11/03/99 16:25:12
Comment: CC0W101XXX99XD
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00597	.00346	-.00013	-.00144	-.00766	.00121	.11446
SDev	.00318	.00668	.00152	.00257	.00314	.00089	.00006
%RSD	53.195	193.03	1196.5	177.73	40.983	73.761	.05123
#1	.00373	-.00126	.00095	-.00326	-.00544	.00058	.11442
#2	.00822	.00819	-.00120	.00037	-.00989	.00184	.11450

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	-.00049	113.80	-.00007	-.00088	.01568	.16999
SDev	.00000	.00008	.37	.00008	.00025	.00023	.01030
%RSD	.00668	16.906	.32941	104.58	28.284	1.4930	6.0599
#1	.00079	-.00043	113.53	-.00013	-.00070	.01551	.17728
#2	.00079	-.00054	114.06	-.00002	-.00105	.01584	.16271

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04950	9.5583	.00091	.00071	H133.83	.00133	.01315
SDev	.00009	.0238	.00021	.00004	.40	.00014	.00083
%RSD	.18243	.24898	22.702	6.0153	.29859	10.197	6.3363
#1	.04944	9.5415	.00076	.00068	H134.11	.00123	.01256
#2	.04956	9.5751	.00105	.00074	H133.55	.00142	.01374

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00326	.00144	.00648	-.00540	3.3347
SDev	.00244	.00106	.00611	.00079	.0145
%RSD	75.047	73.693	94.336	14.714	.43618
#1	-.00153	.00218	.00216	-.00596	3.3244
#2	-.00498	.00069	.01080	-.00484	3.3450

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Method: 6010 Sample Name: 87711X5 Operator: SJ
Run Time: 11/03/99 16:27:17
Comment: CC0W101XXX99XDX5
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00712	-.00029	-.00041	-.00114	-.00312	-.02117	.02334
SDev	.00186	.00099	.00077	.00147	.00169	.00112	.00028
%RSD	26.109	342.78	188.23	129.12	54.158	5.2826	1.2062
#1	.00581	.00041	-.00095	-.00010	-.00431	-.02038	.02353
#2	.00844	-.00099	.00014	-.00219	-.00192	-.02196	.02314

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00080	-.00028	23.469	.00039	-.00088	.00309	.03586
SDev	.00004	.00004	.230	.00020	.00124	.00012	.00536
%RSD	4.8766	12.399	.98059	52.772	141.42	3.7916	14.959
#1	.00083	-.00026	23.632	.00024	-.00175	.00300	.03965
#2	.00077	-.00031	23.307	.00053	-.00000	.00317	.03207

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01000	1.9413	.00145	.00049	37.271	.00138	.00288
SDev	.00006	.0168	.00059	.00004	.142	.00007	.00000
%RSD	.57134	.86657	40.952	8.6885	.38157	4.8646	.00466
#1	.01004	1.9532	.00103	.00046	37.371	.00143	.00288
#2	.00996	1.9294	.00187	.00052	37.170	.00133	.00288

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	-.00128	.00003	.00683	-.00512	.47126
SDev	.00563	.00166	.00547	.00052	.00559
%RSD	438.35	5825.4	80.135	10.179	1.1871
#1	-.00526	.00120	.01070	-.00549	.47522
#2	.00270	-.00114	.00296	-.00475	.46730

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Method: 6010 Sample Name: 89446 Operator: SJ
Run Time: 11/03/99 16:29:33
Comment: SSB-17ES
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05457	-.00278	.13911	-.00990	-.00270	77.953	.47439
SDev	.00077	.00401	.00048	.00360	.00222	.395	.00145
%RSD	1.4199	143.98	.34208	36.369	82.329	.50628	.30655
#1	.05403	-.00562	.13945	-.01244	-.00427	77.674	.47336
#2	.05512	.00005	.13878	-.00735	-.00113	78.232	.47541

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00461	-.00143	255.55	.10996	.09820	.28160	200.08
SDev	.00004	.00020	1.25	.00089	.00074	.00099	.76
%RSD	.84594	13.942	.49053	.81408	.75626	.35131	.37878
#1	.00459	-.00158	254.66	.10933	.09768	.28090	199.55
#2	.00464	-.00129	256.43	.11060	.09873	.28230	200.62

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.0139	70.526	.18481	-.00540	1.8017	.12478	.57229
SDev	.0212	.311	.00017	.00010	.0165	.00003	.00063
%RSD	.35295	.44158	.09046	1.8647	.91324	.02794	.10992
#1	5.9989	70.306	.18493	-.00547	1.7901	.12480	.57185
#2	6.0289	70.746	.18470	-.00532	1.8134	.12475	.57274

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.14753	.13491	.01746	-.02355	9.6538
SDev	.00319	.00088	.00634	.00223	.0421
%RSD	2.1615	.65119	36.299	9.4830	.43655
#1	.14978	.13429	.01297	-.02513	9.6240
#2	.14527	.13553	.02194	-.02197	9.6836

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Method: 6010 Sample Name: 89447 Operator: SJ
Run Time: 11/03/99 16:31:45
Comment: DSB-17ES
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06005	.00079	3.8755	-.01275	.00258	68.786	1.2620
SDev	.00496	.00383	.0217	.00282	.00425	.183	.0034
%RSD	8.2582	483.22	.55909	22.100	164.47	.26565	.26950
#1	.06356	.00350	3.8601	-.01076	-.00042	68.657	1.2596
#2	.05655	-.00191	3.8908	-.01474	.00559	68.915	1.2644

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00453	.01030	361.25	.30747	.29250	.45940	166.12
SDev	.00001	.00011	1.32	.00146	.00223	.00113	.47
%RSD	.29224	1.0247	.36672	.47501	.76170	.24513	.28529
#1	.00452	.01023	360.31	.30644	.29093	.45860	165.79
#2	.00454	.01037	362.19	.30850	.29408	.46020	166.46

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.2969	193.23	.17170	-.00279	2.0353	.23452	2.0318
SDev	.0178	.71	.00163	.00060	.0082	.00063	.0087
%RSD	.33642	.36694	.95109	21.583	.40423	.26806	.42771
#1	5.2843	192.73	.17054	-.00321	2.0294	.23497	2.0257
#2	5.3095	193.73	.17285	-.00236	2.0411	.23408	2.0379

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	3.7439	3.9411	.01517	-.02669	7.1238
SDev	.0046	.0302	.01080	.00117	.0242
%RSD	.12314	.76585	71.194	4.3737	.34030
#1	3.7406	3.9198	.02281	-.02752	7.1066
#2	3.7472	3.9625	.00753	-.02586	7.1409

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Method: 6010 Sample Name: CRI Operator: SJ
Run Time: 11/03/99 16:36:04
Comment: CRI (2XCRDL)
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02455	.01958	.00720	.00925	.11994	-.02584	-.00012
SDev	.00093	.00186	.00044	.00125	.00375	.00224	.00008
%RSD	3.7881	9.4946	6.0713	13.462	3.1276	8.6588	65.997
#1	Q.02520	.02089	Q.00751	.01013	.11729	-.02426	-.00018
#2	.02389	.01826	.00689	.00837	.12260	-.02742	-.00007

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01102	.01028	.00577	.01870	.10608	.05108	-.00764
SDev	.00006	.00018	.00054	.00012	.00049	.00006	.01319
%RSD	.58960	1.7251	9.4281	.63471	.46673	.11164	172.72
#1	.01107	.01040	.00539	.01879	.10573	.05104	.00169
#2	.01098	.01015	.00616	.01862	.10643	.05112	-.01696

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03179	-.00058	.08547	.01954	.01080	.09865	.04340
SDev	.00025	.00492	.00005	.00075	.00118	.00007	.00046
%RSD	.77563	848.53	.05449	3.8351	10.879	.06774	1.0673
#1	.03197	-.00406	.08544	.01901	.01163	.09870	.04307
#2	.03162	.00290	.08551	.02007	.00997	.09860	.04373

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00949	.00606	.01233	.00771	-.04404
SDev	.00358	.00113	.00383	.00378	.00783
%RSD	37.737	18.678	31.083	49.022	17.784
#1	.01202	.00526	.00962	.01039	-.04958
#2	.00696	.00686	.01504	.00504	-.03850

Method: 6010 Sample Name: ICSA1197 Operator: SJ
Run Time: 11/03/99 16:42:33
Comment: ICSA (ICS-A2)
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00203	.00327	.00030	.00062	-.00212	456.14	.00297
SDev	.00287	.00101	.00108	.00164	.00036	.65	.00000
%RSD	141.42	30.716	353.83	264.60	17.065	.14299	.00000
#1	.00405	.00256	.00107	-.00054	-.00237	455.68	.00297
#2	.00000	.00398	-.00046	.00178	-.00186	456.60	.00297

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00061	.00176	428.54	.03738	-.00228	.03098	175.49
SDev	.00001	.00039	.94	.00021	.00025	.00037	.38
%RSD	2.1457	22.243	.21900	.55826	10.879	1.1965	.21721
#1	.00062	.00149	427.87	.03753	-.00245	.03071	175.22
#2	.00060	.00204	429.20	.03723	-.00210	.03124	175.76

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04629	476.31	.00287	-.00531	.19114	.00766	.03109
SDev	.00033	.70	.00064	.00001	.00000	.00039	.00056
%RSD	.71147	.14748	22.127	.17875	.00000	5.0515	1.8171
#1	.04605	475.82	.00242	-.00532	.19114	.00739	.03149
#2	.04652	476.81	.00332	-.00531	.19114	.00794	.03069

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.02329	-.01117	.02143	-.00977	.00659
SDev	.00438	.00057	.00436	.00028	.00932
%RSD	18.819	5.1127	20.344	2.9048	141.42
#1	.02639	-.01157	.01835	-.00997	.01319
#2	.02019	-.01077	.02451	-.00957	.00000

Method: 6010 Sample Name: ICSAB596 Operator: SJ
Run Time: 11/03/99 16:45:01
Comment: ICSAB (ICS-AB2)
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09786	.08626	.04298	.04573	.58031	450.42	.46777
SDev	.00357	.00271	.00180	.00150	.00515	.49	.00052
%RSD	3.6424	3.1430	4.1957	3.2758	.88693	.10988	.11032
#1	.10038	.08434	.04426	.04679	.58395	450.77	.46813
#2	.09534	.08818	.04171	.04467	.57667	450.07	.46740

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43654	.87832	426.34	.44727	.43184	.50607	174.34
SDev	.00018	.00039	.52	.00067	.00025	.00100	.31
%RSD	.04157	.04437	.12212	.15076	.05732	.19835	.17694
#1	.43667	.87859	426.71	.44679	.43166	.50678	174.56
#2	.43641	.87804	425.97	.44774	.43201	.50536	174.12

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47579	470.64	.83324	.17644	.18616	.44737	.89638
SDev	.00073	.31	.00034	.00036	.00000	.00154	.00075
%RSD	.15312	.06496	.04094	.20105	.00000	.34349	.08348
#1	.47630	470.85	.83300	.17619	.18616	.44846	.89585
#2	.47527	470.42	.83348	.17669	.18616	.44628	.89691

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.06250	.03324	.07476	.03123	-.00185
SDev	.00075	.00233	.00728	.00139	.01380
%RSD	1.1943	7.0134	9.7405	4.4503	747.51
#1	.06303	.03489	.07991	.03025	-.01160
#2	.06198	.03159	.06961	.03221	.00791

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Method: 6010 Sample Name: CCVIT Operator: SJ
Run Time: 11/03/99 16:47:30
Comment: CCV
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.6234	2.4641	2.5883	2.4873	2.6439	23.700	2.5467
SDev	.0078	.0185	.0012	.0025	.0014	.082	.0144
%RSD	.29833	.74907	.04709	.09856	.05365	.34768	.56734
#1	2.6290	2.4772	2.5875	2.4891	2.6449	23.758	2.5569
#2	2.6179	2.4511	2.5892	2.4856	2.6429	23.642	2.5365

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51008	2.5615	24.690	2.4790	2.5553	2.4738	10.027
SDev	.00171	.0038	.035	.0054	.0035	.0145	.018
%RSD	.33494	.15000	.14324	.21636	.13563	.58802	.18248
#1	.51129	2.5642	24.715	2.4828	2.5578	2.4841	10.040
#2	.50887	2.5587	24.665	2.4752	2.5529	2.4635	10.014

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4873	24.346	2.5065	1.4003	26.464	2.5381	2.5844
SDev	.0065	.011	.0075	.0036	.100	.0209	.0004
%RSD	.26229	.04550	.29771	.25647	.37629	.82354	.01434
#1	2.4919	24.354	2.5118	1.4028	26.535	2.5529	2.5841
#2	2.4827	24.338	2.5012	1.3977	26.394	2.5233	2.5847

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	2.5063	2.6292	2.3979	2.5320	24.799
SDev	.0005	.0016	.0077	.0075	.181
%RSD	.01902	.06045	.32014	.29652	.72940
#1	2.5060	2.6281	2.3925	2.5373	24.926
#2	2.5067	2.6304	2.4033	2.5267	24.671

Method: 6010 Sample Name: CCB12 Operator: SJ
Run Time: 11/03/99 16:49:31
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	As1890	Tl1908	Pb	Se	Sb2068	Al3082	Ba4934
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00345	.00289	.00052	-.00368	-.00003	-.01826	.00005
SDev	.00302	.00087	.00047	.00054	.00389	.00424	.00002
%RSD	87.547	30.013	90.240	14.607	12168.	23.247	47.140
#1	.00559	.00350	.00085	-.00330	.00272	-.01526	.00007
#2	.00132	.00227	.00019	-.00406	-.00278	-.02126	.00003

Elem	Be3130	Cd2265	Ca3179	Cr2677	Co2286	Cu3247	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00081	-.00019	.02231	.00044	-.00053	-.00096	-.00322
SDev	.00003	.00021	.00109	.00004	.00025	.00018	.00041
%RSD	3.1908	115.94	4.8766	8.9917	47.140	18.442	12.640
#1	.00083	-.00003	.02308	.00041	-.00070	-.00083	-.00294
#2	.00079	-.00034	.02154	.00046	-.00035	-.00108	-.00351

Elem	Mn2576	Mg2790	Ni2316	Ag3280	Na5889	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00017	.01044	.00103	.00016	.00234	.00172	.00013
SDev	.00009	.00656	.00046	.00020	.00009	.00054	.00037
%RSD	54.713	62.854	44.182	122.54	3.6593	31.423	282.66
#1	.00024	.01509	.00136	.00031	.00228	.00210	.00039
#2	.00010	.00580	.00071	.00002	.00240	.00134	-.00013

Elem	220351	220352	196021	196022	K_7664
Units	ppm	ppm	ppm	ppm	ppm
Avge	.00407	-.00126	.01686	-.01394	-.04219
SDev	.00070	.00105	.00190	.00176	.01343
%RSD	17.157	83.282	11.294	12.606	31.820
#1	.00358	-.00052	.01551	-.01269	-.03270
#2	.00457	-.00200	.01820	-.01518	-.05169

CHEMTECH CONSULTING GROUP INC.

ICAP 61E TRACE ANALYZER LOGBOOK

DATE	RUN ID	PROJECT #:	INIT.	COMMENT
11/2/98	9930502	13623R, 13660R	[illegible]	
11/2/98	9930501	13940ASP, 13746C	[illegible]	
11/3/98	9930601	13802ASP, 13926ASP, 13877ASP	[illegible]	
		13943ASP, 13944ASP, 13954ASP	[illegible]	
		13942ASP 13826ASP, 13965ASP	[illegible]	
		13822C, 13930C, 13764C, 13863C	[illegible]	
11/4/98	9930701	13787ET, 13812ET, 13988C	[illegible]	

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Logbook Page Number: 184

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CHEMTECH CONSULTING GROUP, INC

MERCURY
Cold Vapor AA

13824A3P/13849N/13846C1 (13824ASP)

Method #: 7470A1 → 7471A Project No.:

Units: PPB (ug/L)
Analyst: MP/MJS/BP

Date: 10/21/99
r=0.9994 x: 0.0215 b: -0.0209

Std. Name	mL used	Std. Ref. # From Logbook	Chemical Used	Lot #:
			$SnCl_2$	R4223
			NaCl + Hydroxylamine Hydrochloride	R4224

Lab Sample No.	Client Sample No.	Matrix W/S	# Box Smp.	# Box S-Blk	ug Hg 100 mL	ug Hg 1000 mL	Dil. Fact	Final Con. PPB	Time	STD TV
BLK (0.0 PPB)	S_0		1.5	0.0	<0.02			<0.2	20:00	
STD-1 (0.2 PPB)	$S_{0.2}$		3.5	2.0	0.02			0.20	20:02	
STD-2 (0.5 PPB)	$S_{0.5}$		5.0	3.5	0.05			0.50	20:04	
STD-3 (1.0 PPB)	$S_{1.0}$		7.5	6.0	0.10			1.0	20:06	
STD-4 (5.0 PPB)	$S_{5.0}$		26.5	25.0	0.50			5.0	20:08	
STD-5 (10.0 PPB)	$S_{10.0}$		48.5	47.0	1.0			10.0	20:10	
ICV			22.0	20.5	0.4199			4.199	20:12	
ICB			1.5	0.0	<0.02			<0.2	20:14	
CCV	5.0 PPB		27.5	26.0	0.5381			5.381	20:16	
CCB_1			1.5	0.0	<0.02			<0.2	20:18	
CRA	0.2 PPB		3.5	2.0	0.0221			0.221	20:20	
PBW		W	1.5	0.0	<0.02			<0.2	20:22	
EXT BLK		TCLP	1.5	0.0	<0.02			<0.2	20:24	
13824ASP 87989	SAMPLE1	TCLP	1.5	0.0	<0.02			<0.2	20:26	
87989	SAMPLE1D	TCLP	1.5	0.0	<0.02			<0.2	20:28	
87989	SAMPLE1S	TCLP	7.0	5.5	0.0973			0.973	20:30	

r = Correlation Coefficient
x = Slope
b = Constant
Rev. 12/95

MERCURY
Cold Vapor AA

CHEMTECH
CONSULTING GROUP, INC.

13824MSP1 13849M 13846C1 13826MSP

Method #: 7470A/7471A Project No.:

Units: PPB (ug/L) Date: 10/21/99

Analyst: MP1 MGT5 BP r: 0.9994 x: 0.0215 b: -0.0209

Std. Name	mL. used	Std. Ref. # From Logbook	Chemical Used	Lot #:

Lab Sample No.	Client Sample No.	Matrix W/S	# Bor Smp.	# Bor S-Blk	ug Hg 100 mL	ug Hg 1000 mL	Dil. Fact	Final Con. PPB	Time	STD TV
87989	SAMPLE1-5	TCLP	7.5	6.0	0.1081			1.081	20:32	
13849M 88215	MF-14	W	1.5	0.0	<0.002			<0.2	20:34	
88216	MF-1BR	W	1.5	0.0	<0.002			<0.2	20:36	
88217	MF-1AR	W	1.5	0.0	<0.002			<0.2	20:38	
CCV	5.0 PPB		25.5	24.0	0.4951			4.951	20:40	
CCB2			1.5	0.0	<0.002			<0.2	20:42	
88218	2-41A	W	1.5	0.0	<0.002			<0.2	20:44	
88219	2-28B	W	1.5	0.0	<0.002			<0.2	20:46	
88220	2-32A	W	1.5	0.0	<0.002			<0.2	20:48	
88221	2-33B	W	1.5	0.0	<0.002			<0.2	20:50	
88222	2-27B	W	1.5	0.0	<0.002			<0.2	20:52	
13846C 88180	LAUNDRY ROOM	W	1.5	0.0	<0.002			<0.2	20:54	
PBS		S	1.5	0.0	<0.002			<0.2	20:56	
LCSS		S	13.5	12.0	0.2371	2.371	10	23.71	20:58	
13826MSP 87993	GRP-009-5510	S	1.5	2.0	<0.02			<0.2	21:00	
87993	GRP-009-5510 D	S	1.5	0.0	<0.02			<0.2	21:02	

r = Correlation Coefficient
x = Slope
b = Constant

000204

MERCURY
Cold Vapor AA

CHEMTECH
CONSULTING GROUP, INC

13824Asp/13849N/13966C/13826Asp

Method #: ~~7470A~~ / 7471A Project No.:

Units: PPB (ug/L)
Analyst: NP / MJS / BP

Date: 10 / 21 / 99
r: 0.9994 x: 0.0215 b: -0.0209

Std. Name	mL. used	Std. Ref. # From Logbook	Chemical Used	Lot #:

Lab Sample No.	Client Sample No.	Matrix W / S	# Box Smp.	# Box S-Blk	ug Hg 100 mL	ug Hg 1000 mL	Dil Fact	Final Con. PPB	Time	STD TV
CCV	5.0 PPB		25.0	23.5	0.4844			4.844	21.04	
CCB3			1.5	0.0	<0.02			<0.2	21.06	
87993	GRP-009-5510 S'	S	7.0	5.5	0.0973			0.973	21.08	
87993	GRP-009-5510 S'	S	7.0	5.5	0.0973			0.973	21.10	
87994	GRP-010-5515	S	1.5	0.0	<0.02			<0.2	21.12	
87995	GRP-011-5515	S	3.0	1.5	<0.02			<0.2	21.14	
87996	GRP-012-5515	S	1.5	0.0	<0.02			<0.2	21.16	
—	—	—	—	—	—	—	—	—	—	
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—	—	—	—	—	—	—	—	—	—	
—	—	—	—	—	—	—	—	—	—	
CCV	5.0 PPB		27.0	25.5	0.5293			5.293	21.18	
CCB4			1.5	0.0	<0.02			<0.2	21.20	

NP

r = Correlation Coefficient
x = Slope
b = Constant
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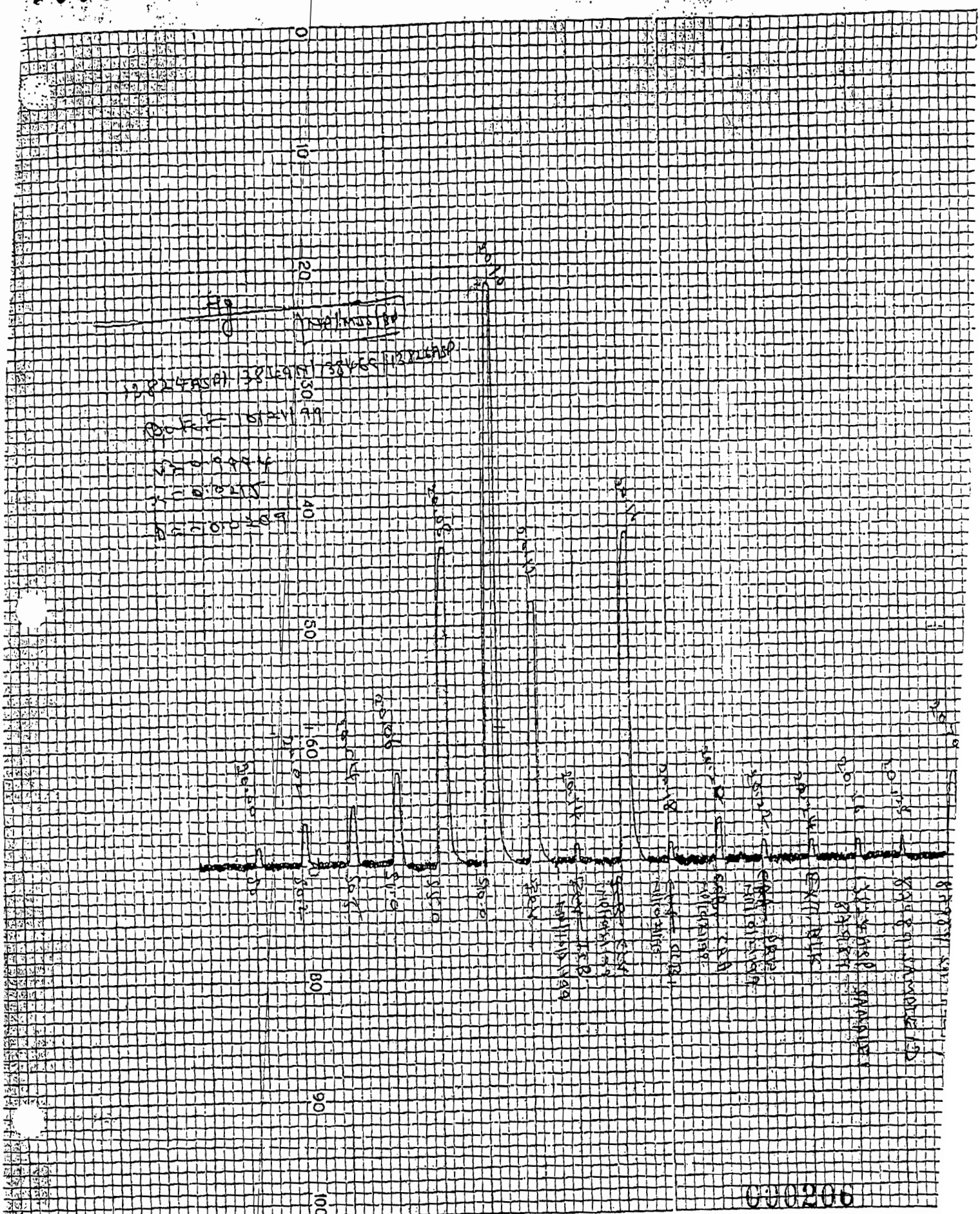
000205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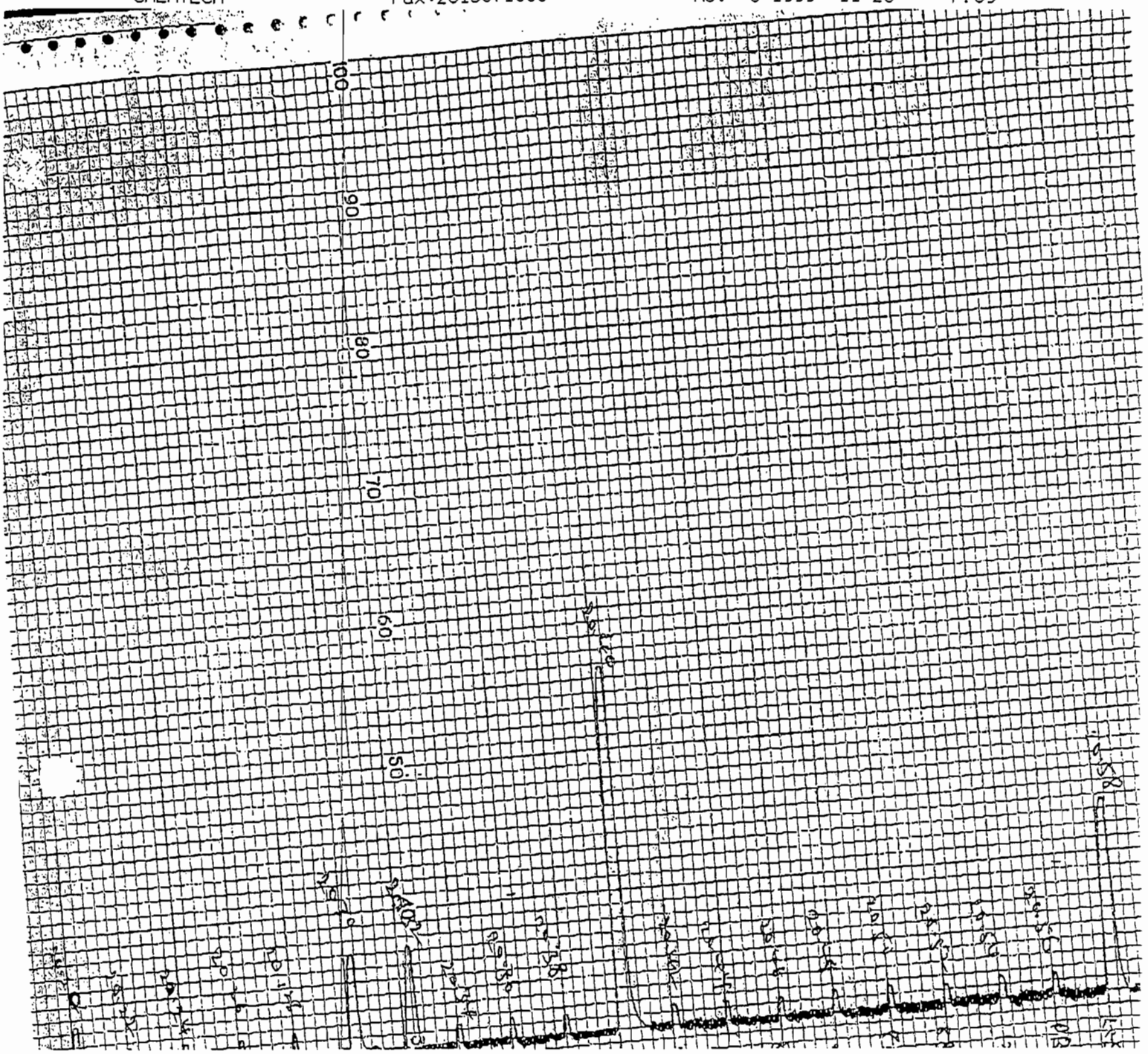
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CHEMTECH
CONSULTING GROUP, INC

CYANIDE DISTILLATION LOG

Method No.: 9010 Rec. Date -/-/- Project No.: 13826ASP

SDG No.: - Distilled Date: 10/22/99 Analyst (s) PPS

Std. Name	mL. used	Std. Ref. # From Loogbook	Chemical Used	Lot #:
ICV (#1191)	0.5	M0587	NaOH	D02254
SPIKE SOLN.	0.5	D02269	H_2SO_4	D02248
MIDRANGE	2.5	D02269	$MgCl_2$	D02247
LCSS(#0689)	1.00 gm	C0070		

Sr. No.	Lab Sample No.	Client Sample No.	Matrix	Wt. / Vol (g. / mL.)	pH	Sulfide Test	Comment
1	ICV(#1191)	ICV(#1191).	WATER	50	>12	-ve	TV=0.09 mg/L
2	ICB	ICB	WATER	50	>12	-ve	
3	MIDRANGE	MIDRANGE	WATER	50	>12	-ve	TV=0.50 mg/L
4	PBS	PBS	soil	1.00 gm	-	-ve	
5	LCSS(#0689)	LCSS(#0689)	soil	1.00 gm	-	-ve	
6	13826ASP 87993	GP-009-5510	soil	1.00 gm	-	-ve	
7	87993	GP-009-5510D	soil	1.00 gm	-	-ve	
8	87993	GP-009-5510S	soil	1.00 gm	-	-ve	SPIKE added =0.10 mg/L
9	87993	GP-009-5510MSD	soil	1.00 gm	-	-ve	SPIKE added =0.10 mg/L
10	87994	GP-010-5515	soil	1.00 gm	-	-ve	
11	87995	GP-011-5515	soil	1.02 gm	-	-ve	
12	87996	GP-012-5515	soil	1.01 gm	-	-ve	
13							
14							
15							
16							
17						PPS	
18							

Rev. 12/95

000208

CYANIDE

Analysis Spectrophotometric Method, λ = 578 nm 1 cm Cell

CHEMTECH
CONSULTING GROUP, INC.

Method #: 9010 Project No.: 13826ASP

Analyst: PPS Date: 10/22/99 r: 0.9999 X: 0.8916 b: 0.0005

Std. Name	mL used	Std. Ref. # From Logbook	Chemical Used	Lot #:
CCV	2.5	D02269	NaOH	D02259
WORKING STD	10.0	D02269	BUFFER	D02259
			CHLORAMINE-T	D02270
			PYRIDINE BARBITURIC ACID	D02268

Lab Sample No:	Client Sample No.	Matrix	Color Vol mL	ABS	Dist. Conc.	Dil. Fac.	CN^- mg/L	CN^- mg/Kg	Time
S_0	$S_{0.0}$	W	50	0.0000	<0.0040	—	<0.0040		11:46
S_1	$S_{10.0}$	W	50	0.0111	0.0100	—	0.0100		11:48
S_2	$S_{100.0}$	W	50	0.1169	0.1000	—	0.1000		11:50
S_3	$S_{500.0}$	W	50	0.5489	0.5000	—	0.5000		11:52
S_4	$S_{1000.0}$	W	50	1.1260	1.0000	—	1.0000		11:54
ICV		W	50	0.1048	0.0939	—	0.0939		11:56
ICB		W	50	0.0001	<0.0040	—	<0.0040		11:58
CCV_1	0.5 mg/L	W	50	0.5747	0.5129	—	0.5129		12:00
CCB_1		W	50	-0.0009	<0.0040	—	<0.0040		12:02
MIDRANGE		W	50	0.5791	0.5168	—	0.5168		12:04
LFBS		S	50	0.0004	<0.0040	—	<0.0040	<0.20	12:06
LCSS (#0689)		S	50	0.1304	0.1168	—	0.1168	5.84	12:08
13826ASP S7993	GP-009-SS1D	S	50	0.0013	<0.0040	—	<0.0040	<0.20	12:10
S7993	GP-009-SS10D	S	50	0.0014	<0.0040	—	<0.0040	<0.20	12:12
S7993	GP-009-SS10S	S	50	0.1160	0.1039	—	0.1039	5.195	12:14
S7993	GP-009-SS10MSD	S	50	0.1161	0.1040	—	0.1040	5.20	12:16
S7994	GP-010-SS15	S	50	0.0021	<0.0040	—	<0.0040	<0.20	12:18

r = Corelation Coefficient
x = Slope
b = Constant
Rev. 12/95

000209

CYANIDE

Analysis Spectrophotometric Method, λ = 578 nm 1 cm Cell

CHEMTECH
CONSULTING GROUP, INC.

Method #: 9010 Project No.: 13826ASP

Analyst: PPS Date: 10/22/99 r: 0.9999 X: 0.8916 b: 0.0005

Std. Name	mL. used	Std. Ref. # From Logbook	Chemical Used	Lot #:
			PPS	

Lab Sample No.	Client Sample No.	Matrix	Color Vol mL	ABS	Dist. Conc.	Dil. Fac.	CN^- mg/L	CN^- mg/Kg	Time
87995	CP-011-SS15	S	50	0.0018	<0.0040	—	<0.0040	<0.196	12:20
87996	CP-012-SS15	S	50	0.0032	<0.0040	—	<0.0040	<0.198	12:22
CCV2	0.5mg/L	W	50	0.5680	0.5069	—	0.5069		12:24
CCB2		W	50	0.0003	<0.0040	—	<0.0040		12:26

PPS

000210

r = Corelation Coefficient
x = Slope
b = Constant

Rev. 12/95

CHEMTECH
CONSULTING GROUP, INC.

CYANIDE DISTILLATION LOGBOOK

DATE DIST.	CASE No.	BATCH No.	MATRIX	ANALYST	COMMENT
10/14/99	13780CLP		WATER SOIL	PPS	
10/15/99	13785CLP		WATER	PPS	
10/15/99	13802NSP		WATER	PPS	
10/18/99	13803CLP 13809CLP		WATER	PPS	
10/18/99	13818CLP		WATER	PPS	
10/19/99	13836CLP, 13825&13846C		SOIL WATER	PPS	
10/19/99	13805SR		SOIL WATER	PPS	
10/20/99	13813R		SOIL WATER	PPS	
10/20/99	13831R		SOIL WATER	PPS	
10/21/99	13814R		SOIL WATER	PPS	
10/21/99	13823R		SOIL	PPS	
10/22/99	13826NSP		SOIL	PPS	

LOGBOOK PAGE: 000033

CHEMTECH
CONSULTING GROUP INC

CYANIDE ANALYSIS LOGBOOK

DATE	CASE No.	BATCH No.	START TIME	% ABSORBANCE OF STD. BLK	STD1	STD2	STD3	STD4
10/14/99	13730CN		11:30	0.0000	0.0108	0.1122	0.5369	1.1138
10/15/99	13755CN		11:05	0.0000	0.0113	0.1169	0.5547	1.1129
10/15/99	13804CN		13:45	0.0000	0.0105	0.1099	0.5457	1.1123
10/18/99	13813CN 13809CN		11:05	0.0000	0.0109	0.1120	0.5429	1.1169
10/18/99	13813CN		13:30	0.0000	0.0119	0.1220	0.5852	1.1526
10/19/99	13836CN, 13842C, 13844C		11:00	0.0000	0.0110	0.1129	0.5439	1.1098
10/19/99	13805R		13:30	0.0000	0.0120	0.1170	0.5805	1.1276
10/20/99	13813R		11:10	0.0000	0.0112	0.1167	0.5555	1.1161
10/20/99	13831R		14:05	0.0000	0.0109	0.1120	0.5469	1.1128
10/21/99	13814R		11:15	0.0000	0.0116	0.1200	0.5799	1.1450
10/21/99	13823R		13:55	0.0000	0.0106	0.1119	0.5516	1.1120
10/22/99	13826R2		11:15	0.0000	0.0111	0.1169	0.5499	1.1260

LOGBOOK PAGE: _____

CHEMTECH
CONSULTING GROUP INC

CYANIDE ANALYSIS LOGBOOK

END TIME	CORR. COFF. r	SLOPE x	CONC. b	ANALYST	COMMENT
13:15	0.99998	0.9015	0.0022	PPS	
13:15	1.0000	0.9002	-0.0016	PPS	
15:25	0.99999	0.9007	0.0011	PPS	
13:20	0.9999	0.9996	0.0016	PPS	
15:46	0.9999	0.9706	-0.0010	PPS	
12:58	0.9999	0.9998	0.0012	PPS	
15:55	1.0000	0.8872	-0.0008	PPS	
13:30	1.0000	0.9976	-0.0011	PPS	
16:10	0.9999	0.9005	0.0010	PPS	
13:25	1.0000	0.8751	-0.0012	PPS	
16:20	0.9999	0.9023	0.0019	PPS	
12:55	0.9999	0.8916	0.0005	PPS	

LOGBOOK PAGE: _____

ChemTech Consulting Group, Inc. 10/19/99 20:20

SAMPLES CHECKED OUT FOR % SOLIDS ANALYSIS BY MJS

DATE 10/19/99 TIME 20:20 MATRIX SO BATCH NO. 29346

SAMPLE NUMBER	PROJ. NAME	SAMPLE ID	DATE SAMPLED	FRACTIONS OK	PREVIOUS A-BATCH NUMBER	ANALY TECH	Weight of Empty Crucible	Crucible + wetsoil	Crucible + Drysoil	10/20/99 12 HOURS Temp 105° MJS
87991	13826A	GP-008-SS30	10/12/99	C			NA	NA	NA	*
87992	13826A	GP-008-SS45	10/12/99	C			NA	NA	NA	*
87993	13826A	GP-009-SS10	10/12/99	C			1.27	10.88	9.58	*
87994	13826A	GP-010-SS15	10/12/99	C			1.27	10.68	9.93	*
87995	13826A	GP-011-SS15	10/13/99	C			1.27	10.39	10.18	*
87996	13826A	GP-012-SS15	10/13/99	C			1.27	11.71	11.21	*
87997	13826A	GP-009-SS30	10/12/99	C			1.27	12.89	12.55	*
87998	13826A	GP-009-SS45	10/12/99	C			1.27	11.27	11.19	*
87999	13826A	GP-010-SS30	10/12/99	C			1.26	10.53	10.13	*
88000	13826A	GP-010-SS45	10/12/99	C			1.28	10.56	10.18	*
88001	13826A	GP-011-SS30	10/13/99	C			1.27	10.55	10.18	*
88002	13826A	GP-011-SS45	10/13/99	C			1.27	10.25	10.09	*
88003	13826A	GP-012-SS30	10/13/99	C			1.27	12.58	12.32	*
88004	13826A	GP-012-SS45	10/13/99	C			1.26	10.35	10.11	*
88005	13826A	GP-013-SS8	10/14/99	C			1.27	10.66	10.29	*
88006	13826A	GP-013-SS12	10/14/99	C			1.28	11.61	11.17	*
88007	13827A	GP-014-SS8	10/14/99	C			1.27	10.84	10.55	*
88008	13827A	GP-014-SS12	10/14/99	C			1.27	13.81	13.37	*
88009	13827A	GP-015-SS8	10/14/99	C			1.28	14.52	14.01	*
88010	13827A	GP-015-SS12	10/14/99	C			1.27	11.37	11.00	*
88011	13827A	GP-016-SS8	10/14/99	C			1.25	11.42	11.01	*
88012	13827A	GP-016-SS12	10/14/99	C			1.27	11.38	11.09	*
88013	13827A	GP-017-SS8	10/14/99	C			1.27	11.94	11.65	*

SAMPLES CHECKED OUT FOR % SOLIDS ANALYSIS BY MJS

DATE 10/19/99 TIME 20:20 MATRIX SO BATCH NO. 29346

SAMPLE NUMBER	PROJ. NAME	SAMPLE ID	DATE SAMPLED	FRACTIONS OK	PREVIOUS A-BATCH NUMBER	ANALY TECH	weight of Empty Crucible	Crucible + wet soil	Crucible + Dry soil	
88014	13827A	GP-017-SS12	10/14/99	C			1.27	10.37	10.17	%
88015	13827A	GP-018-SS8	10/14/99	C			1.27	11.10	10.76	%
88016	13827A	GP-018-SS12	10/14/99	C			1.27	11.16	10.76	%
88017	13827A	GP-019-SS8	10/14/99	C			1.29	12.13	11.86	%
88018	13827A	GP-019-SS12	10/14/99	C			1.29	10.05	9.81	%
88019	13827A	GP-020-SS8	10/14/99	C			1.29	11.47	11.31	%
88020	13827A	GP-020-SS12	10/14/99	C			1.29	11.56	11.38	%

REPORT OF CONFIRMATION OF ANALYTICAL BATCH NO. 29346
CONFIRMED BY MJS 10/21/99 TIME 10:04

SAMPLE NUMBER	CLIENT NUMBER	SAMPLE ID	ANALYSIS	RESULT	UNITS	DET. LIMIT	QUAL-IFIER	NEW STAT
87991	1884	GP-008-SS30	% SOLIDS	NEGATIVE	%			F
87992	1884	GP-008-SS45	% SOLIDS	NEGATIVE	%			F
87993	1884	GP-009-SS10	% SOLIDS	86.47	%			F
87994	1884	GP-010-SS15	% SOLIDS	92.03	%			F
87995	1884	GP-011-SS15	% SOLIDS	97.70	%			F
87996	1884	GP-012-SS15	% SOLIDS	95.21	%			F
87997	1884	GP-009-SS30	% SOLIDS	97.07	%			F
87998	1884	GP-009-SS45	% SOLIDS	99.20	%			F
87999	1884	GP-010-SS30	% SOLIDS	95.68	%			F
88000	1884	GP-010-SS45	% SOLIDS	95.90	%			F
88001	1884	GP-011-SS30	% SOLIDS	96.01	%			F
88002	1884	GP-011-SS45	% SOLIDS	98.22	%			F
88003	1884	GP-012-SS30	% SOLIDS	97.70	%			F
88004	1884	GP-012-SS45	% SOLIDS	97.36	%			F
88005	1884	GP-013-SS8	% SOLIDS	96.06	%			F
88006	1884	GP-013-SS12	% SOLIDS	95.74	%			F
88007	1884	GP-014-SS8	% SOLIDS	96.97	%			F
88008	1884	GP-014-SS12	% SOLIDS	96.49	%			F
88009	1884	GP-015-SS8	% SOLIDS	96.15	%			F
88010	1884	GP-015-SS12	% SOLIDS	96.34	%			F
88011	1884	GP-016-SS8	% SOLIDS	95.97	%			F
88012	1884	GP-016-SS12	% SOLIDS	97.13	%			F
88013	1884	GP-017-SS8	% SOLIDS	96.83	%			F
88014	1884	GP-017-SS12	% SOLIDS	97.80	%			F
88015	1884	GP-018-SS8	% SOLIDS	96.54	%			F
88016	1884	GP-018-SS12	% SOLIDS	95.96	%			F
88017	1884	GP-019-SS8	% SOLIDS	97.51	%			F
88018	1884	GP-019-SS12	% SOLIDS	97.26	%			F
88019	1884	GP-020-SS8	% SOLIDS	98.43	%			F
88020	1884	GP-020-SS12	% SOLIDS	98.25	%			F

CHEMTECH
CONSULTING GROUP, INC.

Sample Preparation Worksheet

ICP and AA Furnace

13826ASP
13954ASP

Matrix: Soil Project No.: 13965ASP ICP. Dig. Date 11 / 3 / 99

Final Vol. 100 mL Fur. Dig. Date: ___ / ___ / ___

Calibration Check (1.00g): 1.00 g SDG No.: — Analyst: BP

Hot Plate Temp. 95 °C Method #: ___

Std. Name	mL used	Std. Ref. # From Logbook	Chemical Used	Stock #:
LCSS	1.00 g	M0543	CONC. HNO3	X0865
PDS# 2	1.00 ml	I0459	HNO3 (1:1)	I0501
PDS# 4	1.00 ml	I0483	HCl (1:1)	I0502
PDS# 5	1.00 ml	I0460	H202	X0864

Lab Sample No.	Client Sample No.	Wt of Sample (g)	Color Before	Color After	Texture	Artifact	Comment
LCSS		1.00	brown	yellow	fine	-	-
~~BS~~		1.00	-	colorless	-	-	-
13826ASP 87993	GP-009-SS10	1.00	Black	Yellow	medium	—	—
87994	GP-010-SS15	1.00	Grey	Yellow	medium	—	—
87994D	GP-010-SS15D	1.00	Grey	Yellow	medium	—	-
87994$	GP-010-SS15$	1.00	Grey	Yellow	medium	—	-
87994$D	GP-010-SS15$D	1.00	Grey	Yellow	medium	—	-
87995	GP-011-SS15	1.00	Brown	Yellow	medium	—	-
87996	GP-012-SS15	1.01	Brown	Yellow	medium	—	-
13954ASP 89446	SSB-17ES	1.01	Grey	Yellow	medium	—	-
89447	DSB-17ES	1.00	Grey	Yellow	medium	—	-
13965ASP 89617	TANK-NW	1.00	Brown	Yellow	medium	—	-
89618	TANK-EW	1.00	Brown	Yellow	medium	—	-
89619	TANK-WW	1.00	Brown	Yellow	medium	—	-

990216

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BP

MERCURY PREPRATION WORKSHEET

CHEMTECH CONSULTING GROUP, INC.

13824ASP / 13849N / 13866C / 13826A

Method No.: 7470A / 7471A Project No.:

Autoclave / Water Bath Temp.: 95°C -- Autoclave Pressure: —

Balance Check: (0.20g) ✓ Analyst (s) MP / MJS / BP Date: 10 / 21 / 99

Std. Name	mL. used	Std. Ref. # From Loogbook	Chemical Used	Lot #:
working std.		R42230	$KMnO_4$	R42L8
ICV		M9576	$K_2S_2O_8$	R42229
Spike Solu.		R42L3P	HNO_3	X0859
LCSS	(#0996)	M0316	H_2SO_4	X0853

Lab Sample No.	Client Sample No.	Matrix W/S	Sampl Wt. / Vol	Comment
BLK(0.0 PPB)	S0			
Std-1 (0.2 PPB)	S0.2			
Std-2 (0.5 PPB)	S0.5			
Std-3 (1.0 PPB)	S1.0			
Std-4 (5.0 PPB)	S5.0			
Std-5 (10.0 PPB)	S10.0			
ICV				
ICB				
CCV	5.0 PPB			
CCB1				
CRA	0.2 PPB			
PBW		W	100 ml	
EXT. BLK		TCLP	100 ml	
13824ASP 87989	SAMPLE 1	TCLP	100 ml	
87989	SAMPLE 1 D	TCLP	100 ml	
87989	SAMPLE 1 S	TCLP	100 ml	Spike 1.0 PPB added

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MERCURY PREPRATION WORKSHEET

CHEMTECH CONSULTING GROUP, INC.

13814MSP / 13849N / 13866C / 13826MSP

Method No.: 7470A/7471A Project No.:

Autoclave / Water Bath Temp.: 95°C Autoclave Pressure:

Balance Check: (0.20g) — Analyst (s) MM/MJS/BP Date: 11 / 21 / 99

Std. Name	mL. used	Std. Ref. # From Logbook	Chemical Used	Lot #:
			Aqua-Regia	RL4231

Lab Sample No.	Client Sample No.	Matrix W/S	Sampl Wt. / Vol	Comment
87984 88216 11/18/21/99.	SAMPLE1 S	TCLP	100 ml	Spiked 1.0 PPB added
13849N 88215	MF-1C	W	100 ml	
88216	MF-1BR	W	100 ml	
88217	MF-1AR	W	100 ml	
CCV	5.0 PPB	—	—	—
CCB2		—	—	—
88218	2-41A	W	100 ml	
88219	2-28B	W	100 ml	
88220	2-32A	W	100 ml	
88221	2-33B	W	100 ml	
88222	2-47B	W	100 ml	
13866C 88180	LAUNDRY ROOM	W	100 ml	
CCV	5.0 PPB			
CCB3				
				NP

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MERCURY PREPRATION WORKSHEET

CHEMTECH CONSULTING GROUP INC.

Method No.: 7471A/7471A Project No.: 13824ASP/13849N/13846C/13826 ASP

Autoclave / Water Bath Temp.: 95°C Autoclave Pressure: —

Balance Check: (0.20g) 0.20g Analyst (s) NP/MJS/BP Date: 10/21/99

Std. Name	mL. used	Std. Ref. # From Logbook	Chemical Used	Lot #:

Lab Sample No.	Client Sample No.	Matrix W/S	Sampl Wt. / Vol	Comment
CCV	5.0 PPB			
CCB4				
PBS		S	0.20g	
LCSS	(#0996)	S	0.20g	
13826 ASP 87993	GP-009-SS10	S	0.20g	
87993	GP-009-SS10	S	0.20g	
87993	GP-009-SS10	S	0.20g	Spike 1.0 PPB added
87993	GP-009-SS10	S	0.20g	Spike 1.0 PPB added.
87994	GP-010-SS15	S	0.21g	
87995	GP-011-SS15	S	0.20g	
87996	GP-012-SS15	S	0.20g	
CCV	5.0 PPB			
CCB5				
				NP

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SHIPPING AND RECEIVING DOCUMENTATION

CHEMTECH

CHAIN OF CUSTODY RECORD

Please check one:

☐ 110 Route 4
Englewood, NJ 07631
(201) 567-6868
Fax (201) 567-1333

☐ 205 Campus Plaza 1
Edison, NJ 08837
(732) 225-4111
Fax (732) 225-4110

☐ 515 Route 9 South
Barnegat, NJ 08005
(609) 698-0199
Fax (609) 698-0910

CHEMTECH JOB NO.:

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Impact Environmental

ADDRESS: 1 Village Plaza

CITY: Kings Park STATE: NY ZIP: 11754

ATTENTION: Kevin Kleaka

PHONE: (516) 269-8800 FAX: (516) 269-1599

PROJECT INFORMATION

PROJECT NAME: # 1-30-0435

PROJECT NO.: 98-335, Westbury

PROJECT MANAGER: Richard Parrish

LOCATION: 299 Main St. Westbury, NY

PHONE: — FAX: —

BILLING INFORMATION

BILL TO: Client PO #:

ADDRESS:

CITY: STATE: ZIP:

ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☒ NYS ASP "B"
☐ NJ REDUCED ☐ NYS ASP "A"
☐ NJ CLP ☐ EDD
☐ EDD FORMAT: _____

ANALYSIS

1. RIFS Target volatile list
2. 8270 BN
3. 8260 VOC
4. 6010 Metals
5. 8015 TPH
6.
7.
8.
9.

CHEMTECH SAMPLE ID	SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 40C (1)	2	3	4	5	6	7	8	9
1.	335-GP-008-SS30	S		X	10/12/99	9:40	1	X								
2.	335-GP-008-SS45	S		X	10/12/99	10:23	1	X								
3.	335-GP-009-SS10	S		X	10/12/99	11:43	2**		X	X	X	X				
4.	335-GP-009-SS30	S		X	10/12/99	11:56	2		X	X	■	X				
5.	335-GP-009-SS45	S		X	10/12/99	12:40	2		X	X	■	X				
6.	335-GP-010-SS15	S		X	10/12/99	2:13	2		X	X	X	X				
7.	335-GP-010-SS30	S		X	10/12/99	2:47	2		X	X	■	X				
8.	335-GP-010-SS45	S		X	10/12/99	3:40	2		X	X	■	X				

0021

COMMENTS

← Specify Preservatives
A – HCl B – HNO_3
C – H_2SO_4 D – NaOH
E – ICE F – Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	10/15/99 8:10	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3.	10/18/99 14:28	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non-Compliant ☐ Temp. of Cooler 4c

Comments:
*RIFS included. / ■: Denotes a clerical error (Do not run method for these spls)

Page _____ of _____

Shipment Complete: Yes _____ No _____

Rev. 9-99

WHITE – CHEMTECH COPY FOR RETURN TO CLIENT YELLOW – CHEMTECH COPY PINK – SAMPLER COPY

CHEMTECH
CHAIN OF CUSTODY RECORD

Please check one:

☐ 110 Route 4, Englewood, NJ 07631, (201) 567-6868, Fax (201) 567-1333
☐ 205 Campus Plaza 1, Edison, NJ 08837, (732) 225-4111, Fax (732) 225-4110
☐ 515 Route 9 South, Barnegat, NJ 08005, (609) 698-0199, Fax (609) 698-0910

CHEMTECH JOB NO.:

CHEMTECH QUOTE NO.:

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Impact Environmental
ADDRESS: 1 Village Plaza
CITY: King Park STATE: NY ZIP: 11754
ATTENTION: Kevin Kleaka
PHONE: (516) 269-8800 FAX: (516) 269-1599

PROJECT INFORMATION

PROJECT NAME: # 1-30-0435
PROJECT NO.: 98-335, Westbury
PROJECT MANAGER: Richard Parrish
LOCATION: 299 Main St, Westbury, NY
PHONE: — FAX: —

BILLING INFORMATION

BILL TO: Client PO #:
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX: _____ DAYS *
HARD COPY: _____ DAYS *
EDD: _____ DAYS *
* TO BE APPROVED BY CHEMTECH
** NORMAL TURNAROUND TIME - 14 DAYS

DATA DELIVERABLE INFORMATION

☐ RESULTS ONLY ☐ USEPA CLP
☐ RESULTS + QC ☐ NYS ASP "B"
☐ NJ REDUCED ☐ NYS ASP "A"
☐ NJ CLP ☐ EDD
☐ EDD FORMAT: _____

ANALYSIS

1 [illegible] 2 8270 BN 3 8260 VOC 4 6010 metals 5 8015 TPH 6 8021 (STARS) 7 8240 (STARS) 8 9 PRESERVATIVES

CHEMTECH SAMPLE ID	SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1	2	3	4	5	6	7	8	9	COMMENTS
								YA									← Specify Preservatives A – HCl B – HNO_3 C – H_2SO_4 D – NaOH E – ICE F – Other
1.	335-GP-011-SS15	S		X	10/13/99	820	2		X	X	X	X					
2.	335-GP-011-SS30	S		X	10/13/99	910	2		X	X	■	X					
3.	335-GP-011-SS45	S		X	10/13/99	1013	2		X	X	■	X					
4.	335-GP-012-SS15	S		X	10/13/99	1212	2		X	X	X	X					
5.	335-GP-012-SS30	S		X	10/13/99	249	2		X	X	■	X					
6.	335-GP-012-SS45	S		X	10/13/99	342	2		X	X	■	X					
7.	335-GP-013-SS8	S		X	10/14/99	920	2						X	X			
8.	335-GP-013-SS12	S		X	10/14/99	1000	2						X	X			

0022

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. KK	10/15/99 2:10	1.
RELINQUISHED BY:	DATE/TIME:	RECEIVED BY:
2.		2.
RELINQUISHED BY:	DATE/TIME:	RECEIVED FOR LAB BY:
3.	10/18/99 1400	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non-Compliant ☐ Temp. of Cooler 4°C
Comments:
■ : Denotes a clerical error (Do not run method for these spls.)

Page _____ of _____ Shipment Complete: Yes _____ No _____

Ver. 9-99 WHITE – CHEMTECH COPY FOR RETURN TO CLIENT YELLOW – CHEMTECH COPY PINK – SAMPLER COPY

RECORD OF COMMUNICATION
VERBAL/ TELEPHONE COMMUNICATION LOG

Date 10/20/99 Client IMPACT

Chemtech Project No. 13826 ASP Chain of Custody No. 29273 & 28989

Chemtech Contact Joe Dockery Client Contact KEVIN KLEAKA

Project Reference 229 MAIN STREET

Call Initiated By: X Chemtech ____ Client

In reference to the following: TAL metals list submitted By IMACT

Questions/ Issues

IS Total Cyanide required as PART of the TAL metals analysis

Resolution Perform Total Cyanide on the following samples

87993 - GP-009-SS10
87994 - GP 010 SS15
87995 - GP 011 SS15
87996 - GP 012 SS15

Signature John Jarpani Date 10/20/99

000223