SDMS Document ID
1012905

CSF CHAIN OF CUSTODY FORM
U.S. Environmental Protection Agency - Region 8
Environmental Services Division, Multi-Media Branch
Analytical Operations Section

Audit Number: 08-265-05
Date CSF Received: 11/3/05
Auditor: Carl Beard
Date of Audit: 11/29/05

Case Number: 34642
Site Name: Rico Argentine
Lab Name: SENTIN
SDG Number: MHIF23

Date of Transfer: 11/30/05
Transfer to: Dale Hoff
Affiliation: EPA
Transfer from (AOS): RSCC

Comments:

CSF Relinquished By: Carl Beard — Print Name; 11/30/05 — Date; Carl Beard — Signature

CSF Received By: Keston J. Alexander — Print Name; 11/30/05 — Date; Signature

CSF Relinquished By: Keston J. Alexander — Print Name; 12/1/05 — Date; Signature

CSF Received By: Lisa Tyson — Print Name; 12/1/05 — Date; Signature

CSF Relinquished By: Lisa Tyson — Print Name; 12/14/05 — Date; Signature

CSF Received By: Keston J. Alexander — Print Name; 12/14/05 — Date; Signature

AUDIT NUMBER: 08-265-05 MH/FZ3

CSF Relinquished By:

KENTON J. ALEXANDER	5/15/06	[signature]
Print Name	Date	Signature

CSF Received By:

Paul Beaup	5/15/06	Paul Beaup
Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

CSF Relinquished By:

Print Name	Date	Signature

CSF Received By:

Print Name	Date	Signature

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1FZ3

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16351

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.56	J		MS
7440-39-3	Barium	82.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.24	J		MS
7440-48-4	Cobalt	0.084	J		MS
7440-50-8	Copper	1.3	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.30	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	10.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.79	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.18	J		MS
7440-66-6	Zinc	2.9			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1FZ5

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16352

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.72	J		MS
7440-39-3	Barium	119			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.20	J		MS
7440-48-4	Cobalt	0.13	J		MS
7440-50-8	Copper	0.83	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	1.2			MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	37.2			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.72	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.098	J		MS
7440-66-6	Zinc	3.3			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1FZ7

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16353

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.68	J		MS
7440-39-3	Barium	120			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.29	J		MS
7440-48-4	Cobalt	0.11	J		MS
7440-50-8	Copper	8.9			MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.36	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	35.1			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	6.7			MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.066	J		MS
7440-66-6	Zinc	5.6			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1FZ9

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16354

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.79	J		MS
7440-39-3	Barium	122			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.28	J		MS
7440-48-4	Cobalt	0.13	J		MS
7440-50-8	Copper	1.1	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.41	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	41.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.83	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.63	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.037	J		MS
7440-62-2	Vanadium	0.17	J		MS
7440-66-6	Zinc	4.3			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G01

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16355

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.99	J		MS
7440-39-3	Barium	109			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.20	J		MS
7440-48-4	Cobalt	0.071	J		MS
7440-50-8	Copper	0.81	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.22	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	13.6			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.71	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	5.0	U		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.23	J		MS
7440-66-6	Zinc	2.5			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G03

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16356

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.0			MS
7440-39-3	Barium	110			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.21	J		MS
7440-48-4	Cobalt	0.087	J		MS
7440-50-8	Copper	0.85	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.30	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	20.0			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.83	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.0	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.18	J		MS
7440-66-6	Zinc	3.7			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G05

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16357

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	1.8			MS
7440-39-3	Barium	81.8			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.14	J		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.36	J		MS
7440-48-4	Cobalt	0.23	J		MS
7440-50-8	Copper	1.1	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.73	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	46.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	1.1			MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.66	J		MS
7440-22-4	Silver	0.027	J		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	0.063	J		MS
7440-62-2	Vanadium	0.65	J		MS
7440-66-6	Zinc	2.6			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G07

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16358

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.35	J		MS
7440-39-3	Barium	137			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.17	J		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.20	J		MS
7440-48-4	Cobalt	0.075	J		MS
7440-50-8	Copper	0.73	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.46	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	15.5			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.61	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.49	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.19	J		MS
7440-66-6	Zinc	5.8			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G09

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16359

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.23	J		MS
7440-39-3	Barium	147			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	0.21	J		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.20	J		MS
7440-48-4	Cobalt	0.063	J		MS
7440-50-8	Copper	0.78	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.21	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	9.6			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.49	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	1.2	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.23	J		MS
7440-66-6	Zinc	8.4			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G11

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16360

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.52	J		MS
7440-39-3	Barium	149			MS
7440-41-7	Beryllium	1.0	U		MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.21	J		MS
7440-48-4	Cobalt	0.042	J		MS
7440-50-8	Copper	0.58	J		MS
7439-89-6	Iron				NR
7439-92-1	Lead	0.14	J		MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	5.4			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	0.40	J		MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	0.90	J		MS
7440-22-4	Silver	1.0	U		MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.42	J		MS
7440-66-6	Zinc	0.89	J		MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G33

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16361

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	5.8			MS
7440-38-2	Arsenic	2.8			MS
7440-39-3	Barium	31.6			MS
7440-41-7	Beryllium	11.1			MS
7440-43-9	Cadmium	1.0	U		MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	9.4			MS
7440-48-4	Cobalt	3.6			MS
7440-50-8	Copper	9.2			MS
7439-89-6	Iron				NR
7439-92-1	Lead	3.1			MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	3.0			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.9			MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	14.0			MS
7440-22-4	Silver	4.9			MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	6.3			MS
7440-62-2	Vanadium	6.5			MS
7440-66-6	Zinc	9.7			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G34

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16362

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	11.0			MS
7440-38-2	Arsenic	4.6			MS
7440-39-3	Barium	0.71	J		MS
7440-41-7	Beryllium	2.6			MS
7440-43-9	Cadmium	2.8			MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	5.7			MS
7440-48-4	Cobalt	2.7			MS
7440-50-8	Copper	5.8			MS
7439-89-6	Iron				NR
7439-92-1	Lead	7.8			MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	6.6			MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.7			MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	13.7			MS
7440-22-4	Silver	2.9			MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	3.0			MS
7440-62-2	Vanadium	3.4			MS
7440-66-6	Zinc	13.4			MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MH1G35

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Matrix: (soil/water) WATER Lab Sample ID: 16363

Level: (low/med) LOW Date Received: 10/20/2005

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum				NR
7440-36-0	Antimony	2.0	U		MS
7440-38-2	Arsenic	0.68	J		MS
7440-39-3	Barium	395			MS
7440-41-7	Beryllium	13.9			MS
7440-43-9	Cadmium	15.0			MS
7440-70-2	Calcium				NR
7440-47-3	Chromium	0.22	J		MS
7440-48-4	Cobalt	106			MS
7440-50-8	Copper	50.1			MS
7439-89-6	Iron				NR
7439-92-1	Lead	29.9			MS
7439-95-4	Magnesium				NR
7439-96-5	Manganese	0.20	J		MS
7439-97-6	Mercury				NR
7440-02-0	Nickel	105			MS
7440-09-7	Potassium				NR
7782-49-2	Selenium	32.1			MS
7440-22-4	Silver	54.0			MS
7440-23-5	Sodium				NR
7440-28-0	Thallium	1.0	U		MS
7440-62-2	Vanadium	0.022	J		MS
7440-66-6	Zinc	0.63	J		MS
57-12-5	Cyanide				NR

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Initial Calibration Verification Source: EPA ICV1201

Continuing Calibration Verification Source: IV RCICP10028

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R(1)	Continuing Calibration Verification True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony	198.0	205.27	104	100.0	101.53	102	101.45	101	MS
Arsenic	199.0	195.21	98	100.0	99.64	100	98.15	98	MS
Barium	100.0	102.72	103	100.0	101.82	102	100.30	100	MS
Beryllium	99.0	98.46	99	100.0	101.44	101	100.37	100	MS
Cadmium	99.0	102.68	104	100.0	101.49	101	101.00	101	MS
Calcium									NR
Chromium	98.0	98.44	100	100.0	100.62	101	98.99	99	MS
Cobalt	99.0	101.18	102	100.0	101.82	102	98.79	99	MS
Copper	98.0	99.50	102	100.0	101.11	101	98.81	99	MS
Iron									NR
Lead	199.0	204.86	103	100.0	103.45	103	101.43	101	MS
Magnesium									NR
Manganese	99.0	100.15	101	100.0	101.09	101	99.20	99	MS
Mercury									NR
Nickel	98.0	100.10	102	100.0	100.63	101	98.89	99	MS
Potassium									NR
Selenium	201.0	202.10	101	100.0	99.44	99	100.16	100	MS
Silver	99.0	102.94	104	100.0	101.69	102	100.68	101	MS
Sodium									NR
Thallium	205.0	210.33	103	100.0	103.77	104	100.51	101	MS
Vanadium	100.0	101.31	101	100.0	100.24	100	98.86	99	MS
Zinc	200.0	201.43	101	100.0	102.63	103	99.71	100	MS
Cyanide									NR

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

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Initial Calibration Verification Source:

Continuing Calibration Verification Source: IV RCICP10028

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R(1)	Continuing Calibration Verification True	Found	%R(1)	Found	%R(1)	M
Aluminum									NR
Antimony				100.0	100.25	100	99.10	99	MS
Arsenic				100.0	99.13	99	97.94	98	MS
Barium				100.0	100.23	100	99.09	99	MS
Beryllium				100.0	101.06	101	99.87	100	MS
Cadmium				100.0	100.86	101	100.08	100	MS
Calcium									NR
Chromium				100.0	98.90	99	99.33	99	MS
Cobalt				100.0	98.28	98	99.61	100	MS
Copper				100.0	96.43	96	99.73	100	MS
Iron									NR
Lead				100.0	99.75	100	99.51	100	MS
Magnesium									NR
Manganese				100.0	98.36	98	99.20	99	MS
Mercury									NR
Nickel				100.0	98.57	99	100.27	100	MS
Potassium									NR
Selenium				100.0	98.45	98	97.77	98	MS
Silver				100.0	100.90	101	98.58	99	MS
Sodium									NR
Thallium				100.0	99.39	99	99.86	100	MS
Vanadium				100.0	98.55	99	99.06	99	MS
Zinc				100.0	98.56	99	99.53	100	MS
Cyanide									NR

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

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2B-IN
CRQL CHECK STANDARD

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

CRQL Check Standard Source: IV X-MEB156047

Concentration Units: ug/L

Analyte	CRQL Check Standard True	Initial Found*	%R(1)	Final Found*	%R(1)
Aluminum					
Antimony	2.0	2.30	115	2.11	106
Arsenic	1.0	1.30	130	1.14	114
Barium	10.0	9.97J	100	9.95J	100
Beryllium	1.0	0.90J	90	0.98J	98
Cadmium	1.0	1.04	104	1.07	107
Calcium					
Chromium	2.0	2.01	101	1.96J	98
Cobalt	1.0	1.02	102	0.95J	95
Copper	2.0	2.04	102	2.05	103
Iron					
Lead	1.0	1.06	106	1.03	103
Magnesium					
Manganese	1.0	1.04	104	1.00	100
Mercury					
Nickel	1.0	1.10	110	1.03	103
Potassium					
Selenium	5.0	4.71J	94	4.23J	85
Silver	1.0	1.07	107	1.06	106
Sodium					
Thallium	1.0	1.15	115	1.08	108
Vanadium	1.0	1.04	104	0.78J	78
Zinc	2.0	1.86J	93	2.02	101
Cyanide					

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g. 0.20U for Mercury).

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2B-IN
CRQL CHECK STANDARD

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

CRQL Check Standard Source: IV X-MEB156047

Concentration Units: ug/L

Analyte	CRQL Check Standard True	Initial Found*	%R(1)	Final Found*	%R(1)
Aluminum					
Antimony	2.0			2.08	104
Arsenic	1.0			1.31	131
Barium	10.0			10.03	100
Beryllium	1.0			0.90J	90
Cadmium	1.0			1.09	109
Calcium					
Chromium	2.0			1.96J	98
Cobalt	1.0			0.98J	98
Copper	2.0			1.93J	97
Iron					
Lead	1.0			1.01	101
Magnesium					
Manganese	1.0			0.99J	99
Mercury					
Nickel	1.0			0.85J	85
Potassium					
Selenium	5.0			4.88J	98
Silver	1.0			1.07	107
Sodium					
Thallium	1.0			1.06	106
Vanadium	1.0			0.75J	75
Zinc	2.0			1.93J	97
Cyanide					

(1) Control Limits: 70-130 with the following exceptions:
ICP-AES - Antimony, Lead, and Thallium: 50-150
ICP-MS - Cobalt, Manganese, and Zinc: 50-150

* If applicable, enter the concentration qualifier "J" or "U" after the concentration in these columns (e.g. 0.20U for Mercury).

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3-IN
BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Aluminum											NR
Antimony	0.599	J	0.339	J	0.325	J	0.277	J	2.000	U	MS
Arsenic	0.338	J	0.191	J	0.187	J	0.184	J	1.000	U	MS
Barium	10.000	U	10.000	U	10.000	U	10.000	U	0.587	J	MS
Beryllium	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	MS
Cadmium	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	MS
Calcium											NR
Chromium	2.000	U	2.000	U	2.000	U	-0.029	J	0.118	J	MS
Cobalt	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	MS
Copper	2.000	U	2.000	U	2.000	U	2.000	U	0.225	J	MS
Iron											NR
Lead	1.000	U	1.000	U	1.000	U	1.000	U	0.081	J	MS
Magnesium											NR
Manganese	1.000	U	1.000	U	1.000	U	1.000	U	0.080	J	MS
Mercury											NR
Nickel	1.000	U	1.000	U	1.000	U	1.000	U	1.000	U	MS
Potassium											NR
Selenium	5.000	U	5.000	U	5.000	U	5.000	U	5.000	U	MS
Silver	0.048	J	0.046	J	0.027	J	1.000	U	1.000	U	MS
Sodium											NR
Thallium	0.074	J	0.053	J	0.040	J	1.000	U	1.000	U	MS
Vanadium	1.000	U	-0.263	J	-0.043	J	-0.275	J	0.194	J	MS
Zinc	2.000	U	2.000	U	2.000	U	2.000	U	0.112	J	MS
Cyanide											NR

USEPA - CLP

3-IN
BLANKS

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

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											NR
Antimony			0.293	J							MS
Arsenic			0.217	J							MS
Barium			10.000	U							MS
Beryllium			-0.036	J							MS
Cadmium			1.000	U							MS
Calcium											NR
Chromium			-0.030	J							MS
Cobalt			1.000	U							MS
Copper			2.000	U							MS
Iron											NR
Lead			1.000	U							MS
Magnesium											NR
Manganese			1.000	U							MS
Mercury											NR
Nickel			1.000	U							MS
Potassium											NR
Selenium			5.000	U							MS
Silver			1.000	U							MS
Sodium											NR
Thallium			1.000	U							MS
Vanadium			-0.277	J							MS
Zinc			2.000	U							MS
Cyanide											NR

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4B-IN
ICP-MS INTERFERENCE CHECK SAMPLE

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

ICP-MS Instrument ID: M1 ICS Source: EPA ICSA0803

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Found Sol. A	Found %R	Found Sol. AB	Found %R
Aluminum	100000	100000	138000	138	144000	144
Antimony	1.5	22.0	1.5	100	22.5	102
Arsenic	0.10	19.0	1.3	1300	21.9	115
Barium	1.2	22.0	1.5	125	21.8	99
Beryllium	0	19.0	0.087		20.6	108
Cadmium	0.70	20.0	0.22	31	21.1	106
Calcium	100000	100000	93500	94	96800	97
Carbon						
Chloride						
Chromium	21.0	40.0	19.8	94	40.2	101
Cobalt	1.0	20.0	1.3	130	21.1	106
Copper	8.0	25.0	9.8	123	29.8	119
Iron						
Lead	4.0	25.0	4.6	115	25.5	102
Magnesium	100000	100000	136000	136	142000	142
Manganese	7.0	27.0	8.2	117	28.4	105
Molybdenum						
Nickel	6.0	24.0	7.5	125	25.4	106
Phosphorus						
Potassium						
Selenium	0.30	19.0	-1.7	-567	19.9	105
Silver	0	18.0	0.094		20.3	113
Sodium						
Sulfur						
Thallium	0	21.0	0.12		22.1	105
Titanium						
Vanadium	0.50	19.0	0.23	46	20.0	105
Zinc	11.0	29.0	17.3	157	34.0	117

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5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MH1FZ3S

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Aluminum									NR
Antimony	75-125	79.0175		2.0000	U	100.00	79		MS
Arsenic	75-125	39.2420		0.5614	J	40.00	97		MS
Barium	75-125	1913.5359		82.7683		2000.00	92		MS
Beryllium	75-125	48.9743		1.0000	U	50.00	98		MS
Cadmium	75-125	49.3880		1.0000	U	50.00	99		MS
Calcium									NR
Chromium	75-125	190.2915		0.2389	J	200.00	95		MS
Cobalt	75-125	468.4171		0.0844	J	500.00	94		MS
Copper	75-125	236.1236		1.2504	J	250.00	94		MS
Iron									NR
Lead	75-125	19.7396		0.2953	J	20.00	97		MS
Magnesium									NR
Manganese	75-125	478.3230		10.5298		500.00	94		MS
Mercury									NR
Nickel	75-125	464.0466		0.7903	J	500.00	93		MS
Potassium									NR
Selenium	75-125	8.9668		5.0000	U	10.00	90		MS
Silver	75-125	48.7756		1.0000	U	50.00	98		MS
Sodium									NR
Thallium	75-125	50.2063		1.0000	U	50.00	100		MS
Vanadium	75-125	476.1018		0.1806	J	500.00	95		MS
Zinc	75-125	475.7636		2.9188		500.00	95		MS
Cyanide									NR

Comments:

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6-IN
DUPLICATES

EPA SAMPLE NO.

MH1FZ3D

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

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

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

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum								NR
Antimony		2.0000	U	2.0000	U			MS
Arsenic		0.5614	J	0.4426	J	24		MS
Barium		82.7683		80.0791		3		MS
Beryllium		1.0000	U	1.0000	U			MS
Cadmium		1.0000	U	1.0000	U			MS
Calcium								NR
Chromium		0.2389	J	0.2468	J	3		MS
Cobalt		0.0844	J	0.0701	J	19		MS
Copper		1.2504	J	1.2913	J	3		MS
Iron								NR
Lead		0.2953	J	0.2858	J	3		MS
Magnesium								NR
Manganese		10.5298		10.2138		3		MS
Mercury								NR
Nickel		0.7903	J	0.8495	J	7		MS
Potassium								NR
Selenium		5.0000	U	5.0000	U			MS
Silver		1.0000	U	1.0000	U			MS
Sodium								NR
Thallium		1.0000	U	1.0000	U			MS
Vanadium		0.1806	J	0.3641	J	67		MS
Zinc	2.0	2.9188		3.1800		9		MS
Cyanide								NR

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7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Solid LCS Source:

Aqueous LCS Source: EPA ICV1201

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits	%R
Aluminum								
Antimony	198.0	191.18	97					
Arsenic	199.0	182.47	92					
Barium	100.0	96.05	96					
Beryllium	99.0	91.72	93					
Cadmium	99.0	95.87	97					
Calcium								
Chromium	98.0	92.37	94					
Cobalt	99.0	94.61	96					
Copper	98.0	94.09	96					
Iron								
Lead	199.0	195.16	98					
Magnesium								
Manganese	99.0	94.33	95					
Mercury								
Nickel	98.0	93.55	95					
Potassium								
Selenium	201.0	188.38	94					
Silver	99.0	97.53	99					
Sodium								
Thallium	205.0	202.47	99					
Vanadium	100.0	94.12	94					
Zinc	200.0	187.63	94					
Cyanide								

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8-IN
ICP-AES AND ICP-MS SERIAL DILUTIONS

EPA SAMPLE NO.

MH1FZ3L

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum							NR
Antimony	2.00	U	10.00	U			MS
Arsenic	0.45	J	1.63	J	262		MS
Barium	66.21		60.28		9		MS
Beryllium	1.00	U	5.00	U			MS
Cadmium	1.00	U	5.00	U			MS
Calcium							NR
Chromium	0.19	J	0.58	J	205		MS
Cobalt	0.07	J	5.00	U	100		MS
Copper	1.00	J	1.64	J	64		MS
Iron							NR
Lead	0.24	J	0.54	J	125		MS
Magnesium							NR
Manganese	8.42		7.63		9		MS
Nickel	0.63	J	0.58	J	8		MS
Potassium							NR
Selenium	5.00	U	25.00	U			MS
Silver	1.00	U	0.14	J			MS
Sodium							NR
Thallium	1.00	U	0.19	J			MS
Vanadium	0.14	J	0.35	J	150		MS
Zinc	2.34		3.81	J	63		MS

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9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Instrument Type: MS Instrument ID: M1 Date: 01/15/2005

Preparation Method: NP1

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum			
Antimony	121.00	2	0.13
Arsenic	75.00	1	0.082
Barium	137.00	10	0.085
Beryllium	9.00	1	0.030
Cadmium	111.00	1	0.099
Calcium			
Chromium	52.00	2	0.021
Cobalt	59.00	1	0.030
Copper	65.00	2	0.15
Iron			
Lead	208.00	1	0.070
Magnesium			
Manganese	55.00	1	0.051
Mercury			
Nickel	60.00	1	0.31
Potassium			
Selenium	78.00	5	0.48
Silver	107.00	1	0.026
Sodium			
Thallium	203.00	1	0.015
Vanadium	51.00	1	0.041
Zinc	66.00	2	0.32
Cyanide			

Comments:
M1: TJA ICP-MS

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9-IN
METHOD DETECTION LIMITS (ANNUALLY)

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Instrument Type: MS Instrument ID: M1 Date: 01/15/2005

Preparation Method: HW2

Concentration Units (ug/L or mg/kg): UG/L

Analyte	Wavelength /Mass	CRQL	MDL
Aluminum			
Antimony	121.00	2	0.75
Arsenic	75.00	1	0.078
Barium	137.00	10	0.16
Beryllium	9.00	1	0.046
Cadmium	111.00	1	0.11
Calcium			
Chromium	52.00	2	0.052
Cobalt	59.00	1	0.018
Copper	65.00	2	0.057
Iron			
Lead	208.00	1	0.015
Magnesium			
Manganese	55.00	1	0.029
Mercury			
Nickel	60.00	1	0.064
Potassium			
Selenium	78.00	5	0.49
Silver	107.00	1	0.025
Sodium			
Thallium	203.00	1	0.033
Vanadium	51.00	1	0.021
Zinc	66.00	2	0.095
Cyanide			

Comments:
M1: TJA ICP-MS

USEPA - CLP

11-IN
ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

ICP Instrument ID: M1 Date: 10/15/2005

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Aluminum			NR
Antimony	3.00	20000.0	MS
Arsenic	3.00	20000.0	MS
Barium	3.00	5000.0	MS
Beryllium	3.00	20000.0	MS
Cadmium	3.00	20000.0	MS
Calcium			NR
Chromium	3.00	10000.0	MS
Cobalt	3.00	10000.0	MS
Copper	3.00	20000.0	MS
Iron			NR
Lead	3.00	20000.0	MS
Magnesium			NR
Manganese	3.00	10000.0	MS
Nickel	3.00	20000.0	MS
Potassium			NR
Selenium	3.00	20000.0	MS
Silver	3.00	20000.0	MS
Sodium			NR
Thallium	3.00	20000.0	MS
Vanadium	3.00	20000.0	MS
Zinc	3.00	20000.0	MS

Comments:
M1: TJA ICP-MS

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Preparation Method: HW2

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	10/21/2005		50
MH1FZ3	10/21/2005		50
MH1FZ3D	10/21/2005		50
MH1FZ3S	10/21/2005		50
MH1FZ5	10/21/2005		50
MH1FZ7	10/21/2005		50
MH1FZ9	10/21/2005		50
MH1G01	10/21/2005		50
MH1G03	10/21/2005		50
MH1G05	10/21/2005		50
MH1G07	10/21/2005		50
MH1G09	10/21/2005		50
MH1G11	10/21/2005		50
MH1G33	10/21/2005		50
MH1G34	10/21/2005		50
MH1G35	10/21/2005		50
PBW	10/21/2005		50

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Instrument ID: M1 Analysis Method: MS

Start date: 10/25/2005 End date: 10/25/2005

EPA Sample No.	D/F	Time	Analytes																								
			ALK	SB	AS	AB	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	KE	SE	AG	NA	TL	VN	ZN	CN
TUNE	1.00	1512									X			X	X											
S0	1.00	1520	X	X	X	X	X	X	X	X	X	X		X	X	X		X		X	X		X	X	X	
S200.0	1.00	1526	X	X	X	X	X	X	X	X	X	X		X	X	X		X		X	X		X	X	X	
ICV	1.00	1532		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ICB	1.00	1537		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CRI	1.00	1543		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ICSA	5.00	1549	X	X	X	X	X	X	X	X	X	X		X	X	X		X		X	X		X	X	X	
ICSAB	5.00	1555	X	X	X	X	X	X	X	X	X	X		X	X	X		X		X	X		X	X	X	
CCV	1.00	1600		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB	1.00	1606		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
PBW	1.00	1612		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
LCSW	1.00	1617		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ3L	5.00	1623		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ3	1.00	1629		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ3D	1.00	1634		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ3S	1.00	1640		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ3A	1.00	1646																								
MH1FZ5	1.00	1651		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ7	1.00	1657		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ZZZZZZ	1.00	1703																								
CCV	1.00	1708		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB	1.00	1714		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1FZ9	1.00	1720		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G01	1.00	1725		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G03	1.00	1731		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G05	1.00	1737		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G07	1.00	1742		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G09	1.00	1748		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ZZZZZZ	1.00	1754																								
CRI	1.00	1759		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCV	1.00	1805		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB	1.00	1811		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G11	1.00	1816		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

Instrument ID: M1 Analysis Method: MS

Start date: 10/25/2005 End date: 10/25/2005

EPA Sample No.	D/F	Time	Analytes																							
			AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
MH1G33	1.00	1822		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G34	1.00	1828		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
MH1G35	1.00	1833		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
ZZZZZZ	1.00	1839																								
CRI	1.00	1845		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCV	1.00	1850		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	
CCB	1.00	1856		X	X	X	X	X		X	X	X		X		X		X		X	X		X	X	X	

USEPA - CLP

14-IN
ICP-MS Tune

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

ICP-MS Instrument ID: M1 Date: 10/25/2005

Element - Mass	Avg. Measured Mass (amu)	Avg. Peak Width at Peak Height (amu)	%RSD
Be - 9	9.01	0.71	0
Mg - 24	23.99	0.77	1
Mg - 25	24.99	0.71	1
Mg - 26	25.98	0.77	1
Co - 59	58.93	0.77	1
In - 113	112.90	0.76	2
In - 115	114.90	0.76	1
Pb - 206	205.97	0.76	2
Pb - 207	206.98	0.76	1
Pb - 208	207.98	0.76	1

Comments:

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

ICP-MS Instrument ID: M1 Start date: 10/25/2005 End date: 10/25/2005

EPA Sample No.	Time	Internal Standards %RI for: Element LI6	Q	Element SC45	Q	Element Y89	Q	Element RH103	Q	Element IN115	Q
S0	1520	100		100		100		100		100	
S200.0	1526	99		113		112		111		110	
ICV	1532	99		111		111		107		107	
ICB	1537	98		99		99		98		98	
CRI	1543	98		99		99		98		99	
ICSA	1549	101		127		126		126		123	
ICSAB	1555	99		127		127		127		125	
CCV	1600	99		112		115		115		113	
CCB	1606	98		101		102		101		101	
PBW	1612	99		102		102		102		102	
LCSW	1617	99		112		112		108		109	
MH1FZ3L	1623	99		107		106		102		104	
MH1FZ3	1629	101		118		115		111		112	
MH1FZ3D	1634	100		116		113		108		110	
MH1FZ3S	1640	97		112		110		105		107	
MH1FZ3A	1646	98		114		109		104		106	
MH1FZ5	1651	100		121		118		112		115	
MH1FZ7	1657	100		120		116		112		114	
CCV	1708	95		104		104		104		102	
CCB	1714	95		93		94		93		94	
MH1FZ9	1720	100		119		115		111		113	
MH1G01	1725	99		118		114		110		111	
MH1G03	1731	100		119		115		110		113	
MH1G05	1737	101		121		118		113		115	
MH1G07	1742	95		109		104		98		100	
MH1G09	1748	94		106		101		97		98	
CRI	1759	95		93		93		92		92	
CCV	1805	94		100		100		100		98	
CCB	1811	93		91		91		90		91	
MH1G11	1816	93		104		99		94		96	
MH1G33	1822	93		97		94		92		92	
MH1G34	1828	93		97		95		93		93	
MH1G35	1833	99		114		113		110		113	
CRI	1845	94		93		93		93		94	
CCV	1850	93		101		101		101		100	
CCB	1856	91		91		91		91		91	

USEPA - CLP

15-IN

ICP-MS Internal Standards Relative Intensity Summary

Lab Name: Sentinel, Inc. Contract: 68-W-02-060

Lab Code: SENTIN Case No.: 34642 NRAS No.: SDG No.: MH1FZ3

ICP-MS Instrument ID: M1 Start date: 10/25/2005 End date: 10/25/2005

EPA Sample No.	Time	Internal Standards %RI for: Element TB159	Q	Element HO165	Q	Element BI209	Q	Element	Q	Element	Q
S0	1520	100		100		100					
S200.0	1526	109		104		104					
ICV	1532	107		102		103					
ICB	1537	99		99		99					
CRI	1543	100		100		100					
ICSA	1549	123		122		116					
ICSAB	1555	126		123		118					
CCV	1600	112		109		109					
CCB	1606	104		104		104					
PBW	1612	104		104		105					
LCSW	1617	112		107		108					
MH1FZ3L	1623	105		105		104					
MH1FZ3	1629	114		110		108					
MH1FZ3D	1634	111		108		106					
MH1FZ3S	1640	109		104		103					
MH1FZ3A	1646	107		105		102					
MH1FZ5	1651	116		112		109					
MH1FZ7	1657	114		111		107					
CCV	1708	103		100		101					
CCB	1714	96		96		95					
MH1FZ9	1720	114		109		107					
MH1G01	1725	113		109		106					
MH1G03	1731	113		109		108					
MH1G05	1737	116		112		110					
MH1G07	1742	102		99		95					
MH1G09	1748	100		97		95					
CRI	1759	95		94		96					
CCV	1805	100		96		98					
CCB	1811	93		92		93					
MH1G11	1816	98		95		94					
MH1G33	1822	94		93		93					
MH1G34	1828	94		94		94					
MH1G35	1833	117		114		113					
CRI	1845	96		95		96					
CCV	1850	101		97		99					
CCB	1856	93		92		92					

Sentinel, Inc. **Sample Analysis**

ICP-MS RUN LOG

SDG:	MH1FZ3	
CASE NO.:	34642	
EPA RUN#	___1___	
EPA BATCH#	___1___	
PREP METHOD:	HW2	
AN. METHOD:	MS	
MATRIX:	LW	
SOURCE:	CAL Std.	W-MEB156010
SOURCE:		ICV1201
SOURCE:	CAL VER	RCICP10028
SOURCE:	CRI	X-MEB156047
DATE PREP.	10-01-05	
PREPARER:	MVK/KO	

VALID DATA for: ALL

ANALYST: MVK

INSTRUMENT ID: **M1**
RUN ID: **M1-0529801**

RUN START DATE: **10/25/05** RUN START TIME: **1512**
RUN END DATE: **10/25/05** RUN END TIME: **1856**

Data Reviewed By:

D. Wood 11/01/05
Analyst Date

Data Reviewed By: 11/1/05

Supervisor Date

SENTINEL, INC. **SAMPLE ANALYSIS**

Form 14 Raw Data

Date: 10/252005
Time: 8:03:29
SDG: MHIFZ3

Measured Mass	Mass DAC	Peak Height (10%) (0.65-0.80)	Error (AMU) (±0.10)
9.012	2074	0.714	0.01
23.985	5884	0.765	-0.014
24.986	6138	0.714	-0.018
25.983	6391	0.765	-0.022
58.933	14793	0.765	-0.014
112.904	28567	0.764	0.023
114.904	29074	0.764	0.01
205.974	52318	0.764	0.009
206.976	52565	0.764	-0.025
207.977	52825	0.764	-0.007

MUKD 10/25/05
Analyst Date

11/1/05
Supervisor Date

Excluded In Calib | Excluded In Results | Peak Run Excluded | Multi Element | Semi Quant | Internal Standard | Standard Addition

Dilution Corrected Concentration Per Analyte

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	6Li	7Li	9Be	23Na	24Mg	25Mg	26Mg	27Al	39K	44Ca
			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	tune1	10/25/2005 3:13:19 F	(P)0.944	(P)0.0000	(P)195.0000	(P)167.8000	(P)128.0000	(P)207.2000	(P)210.6000	(P)2.1420	(P)127.8000	(P)22.5300
2	tune1	10/25/2005 3:14:15 F	(P)0.952	(P)0.0000	(P)198.0000	(P)168.2000	(P)129.6000	(P)211.0000	(P)215.8000	(P)4.8180	(P)129.0000	(P)24.2100
3	tune1	10/25/2005 3:15:11 F	(P)0.935	(P)0.0000	(P)194.2000	(P)166.6000	(P)128.7000	(P)206.8000	(P)211.6000	(P)2.0850	(P)127.7000	(P)24.6700
4	tune1	10/25/2005 3:16:07 F	(P)0.933	(P)0.0000	(P)195.2000	(P)164.6000	(P)127.5000	(P)204.7000	(P)211.2000	(P)1.9680	(P)123.9000	(P)21.2300
5	tune1	10/25/2005 3:17:03 F	(P)0.922	(P)0.0000	(P)191.9000	(P)165.9000	(P)125.6000	(P)206.3000	(P)206.0000	(P)2.0800	(P)126.8000	(P)22.3200
	Mean of tune1	10/25/2005 3:12:35 F	(P)0.944	(P)0.0000	(P)194.9000	(P)166.6000	(P)127.9000	(P)207.2000	(P)211.0000	(P)2.6190	(P)127.0000	(P)22.9900
	SD of tune1		(P)n/a	(P)0.0000	(P)2.2110	(P)1.4450	(P)1.4940	(P)2.3260	(P)3.4850	(P)1.2310	(P)1.9340	(P)1.4210
	%RSD of tune1		(P)n/a	(P)0.0000	(P)1.1350	(P)0.8673	(P)1.1680	(P)1.1230	(P)1.6520	(P)47.0200	(P)1.5220	(P)6.1820
1	S0	10/25/2005 3:20:51 F	(P)1.008	(P)0.0000	(P)0.0009	(P)2.4540	(P)-0.0454	(P)-0.0396	(P)-0.2381	(P)-0.2424	(P)1.8470	(P)2.0930
2	S0	10/25/2005 3:21:47 F	(P)1.004	(P)0.0000	(P)0.0143	(P)-0.3130	(P)0.0261	(P)-0.0548	(P)0.0659	(P)0.5147	(P)-1.6270	(P)-1.7880
3	S0	10/25/2005 3:22:43 F	(P)0.989	(P)0.0000	(P)-0.0152	(P)-2.1410	(P)0.0192	(P)0.0944	(P)0.1722	(P)-0.2723	(P)-0.2201	(P)-0.3048
	Mean of S0	10/25/2005 3:20:51 F	(P)1.008	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)-0.0000	(P)-0.0000	(P)0.0000	(P)0.0000	(P)-0.0000
	SD of S0		(P)n/a	(P)0.0000	(P)0.0147	(P)2.3140	(P)0.0394	(P)0.0821	(P)0.2129	(P)0.4460	(P)1.7470	(P)1.9580
	%RSD of S0		(P)n/a	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000
1	S200	10/25/2005 3:26:31 F	(P)1.016	(P)0.0000	(P)197.3000	1993.0000	1988.0000	(P)1998.0000	(P)1998.0000	(P)198.6000	1990.0000	(PM)2010.000
2	S200	10/25/2005 3:27:27 F	(P)0.999	(P)0.0000	(P)198.3000	1975.0000	1964.0000	(P)1992.0000	(P)1985.0000	(P)197.9000	1965.0000	(P)1981.0000
3	S200	10/25/2005 3:28:23 F	(P)1.029	(P)0.0000	(PM)204.4000	(M)2032.0000	(M)2049.0000	(PM)2010.000	(PM)2017.000	(PM)203.5000	(M)2045.0000	(PM)2009.000
	Mean of S200	10/25/2005 3:26:31 F	(P)1.016	(P)0.0000	(PM)200.0000	(M)2000.0000	(M)2000.0000	(PM)2000.000	(PM)2000.000	(PM)200.0000	(M)2000.0000	(PM)2000.000
	SD of S200		(P)n/a	(P)0.0000	(PM)3.8660	(M)29.4600	(M)43.7300	(PM)9.3750	(PM)16.0200	(PM)3.0380	(M)41.1800	(PM)16.1400
	%RSD of S200		(P)n/a	(P)0.0000	(PM)1.9330	(M)1.4730	(M)2.1860	(PM)0.4688	(PM)0.8010	(PM)1.5190	(M)2.0590	(PM)0.8069
1	ICV;ICV	10/25/2005 3:32:13 F	(P)1.025	(P)0.0000	(P)99.1700	(M)2047.0000	(P)741.9000	(P)1198.0000	(P)1196.0000	(PM)507.3000	(M)2065.0000	(PM)2096.000
2	ICV;ICV	10/25/2005 3:33:09 F	(P)0.995	(P)0.0000	(P)97.5900	1997.0000	(P)730.5000	(P)1184.0000	(P)1188.0000	(PM)502.6000	(M)2042.0000	(PM)2067.000
3	ICV;ICV	10/25/2005 3:34:05 F	(P)1.008	(P)0.0000	(P)98.6200	(M)2087.0000	(P)744.9000	(P)1186.0000	(P)1199.0000	(PM)508.1000	(M)2096.0000	(PM)2089.000
	Mean of ICV;ICV	10/25/2005 3:32:13 F	(P)1.025	(P)0.0000	(P)98.4600	(M)2044.0000	(P)739.1000	(P)1189.0000	(P)1194.0000	(PM)506.0000	(M)2068.0000	(PM)2084.000
	SD of ICV;ICV		(P)n/a	(P)0.0000	(P)0.8041	(M)45.2300	(P)7.5820	(P)7.2750	(P)5.2570	(PM)2.9510	(M)26.6400	(PM)15.3700
	%RSD of ICV;ICV		(P)n/a	(P)0.0000	(P)0.8167	(M)2.2130	(P)1.0260	(P)0.6117	(P)0.4402	(PM)0.5832	(M)1.2890	(PM)0.7373
1	ICB;ICB	10/25/2005 3:37:54 F	(P)1.016	(P)0.0000	(P)-0.0125	(P)3.9220	(P)0.0522	(P)-0.2090	(P)0.2829	(P)-0.1252	(P)1.3960	(P)-3.1510
2	ICB;ICB	10/25/2005 3:38:50 F	(P)1.022	(P)0.0000	(P)-0.0120	(P)3.8120	(P)0.1121	(P)0.3244	(P)0.0901	(P)0.5291	(P)3.5860	(P)0.8711
3	ICB;ICB	10/25/2005 3:39:46 F	(P)1.021	(P)0.0000	(P)0.0382	(P)0.9541	(P)0.2555	(P)0.8336	(P)0.5856	(P)0.0676	(P)5.5990	(P)-1.9140
	Mean of ICB;ICB	10/25/2005 3:37:54 F	(P)1.016	(P)0.0000	(P)0.0045	(P)2.8960	(P)0.1399	(P)0.3163	(P)0.3196	(P)0.1572	(P)3.5270	(P)-1.3980

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Excluded In Calib | Excluded In Results | Peak Run Excluded | Multi Element | Semi Quant | Internal Standard | Standard Addition

Dilution Corrected Concentration Per Analyte

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	45Sc	47Ti	51V	52Cr	53Cr	54Fe	55Mn	59Co	60Ni	65Cu
			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	tune1	10/25/2005 3:13:19 F	(P)1.001	(P)0.1330	(P)-0.0681	(P)0.2839	(PM)2856.000	(P)36.5100	(P)0.1075	(P)196.1000	(P)0.1701	(P)0.0837
2	tune1	10/25/2005 3:14:15 F	(P)1.013	(P)0.0897	(P)0.1634	(P)0.3283	(PM)2801.000	(P)37.6500	(P)0.1173	(P)197.0000	(P)0.1164	(P)0.0837
3	tune1	10/25/2005 3:15:11 F	(P)0.987	(P)0.0874	(P)0.2542	(P)0.2815	(PM)2640.000	(P)34.1500	(P)0.1379	(P)198.1000	(P)0.1068	(P)0.0894
4	tune1	10/25/2005 3:16:07 F	(P)0.978	(P)0.1733	(P)0.0885	(P)0.2846	(PM)2575.000	(P)33.9500	(P)0.1049	(P)195.9000	(P)0.0980	(P)0.0611
5	tune1	10/25/2005 3:17:03 F	(P)0.976	(P)0.0865	(P)0.1179	(P)0.3032	(PM)2582.000	(P)37.1500	(P)0.0946	(P)194.4000	(P)0.1657	(P)0.0475
	Mean of tune1	10/25/2005 3:12:35 F	(P)1.001	(P)0.1140	(P)0.1112	(P)0.2963	(PM)2691.000	(P)35.8800	(P)0.1124	(P)196.3000	(P)0.1314	(P)0.0731
	SD of tune1		(P)n/a	(P)0.0385	(P)0.1182	(P)0.0199	(PM)129.6000	(P)1.7220	(P)0.0164	(P)1.3500	(P)0.0340	(P)0.0180
	%RSD of tune1		(P)n/a	(P)33.8000	(P)106.3000	(P)6.7040	(PM)4.8170	(P)4.8000	(P)14.5500	(P)0.6879	(P)25.8800	(P)24.5500
1	S0	10/25/2005 3:20:51 F	(P)1.011	(P)-0.0218	(P)0.1711	(P)0.0034	(P)-151.4000	(P)0.9285	(P)-0.0086	(P)-0.0025	(P)-0.0480	(P)-0.0348
2	S0	10/25/2005 3:21:47 F	(P)0.987	(P)-0.0228	(P)-0.1894	(P)-0.0159	(P)91.2100	(P)-0.2209	(P)0.0063	(P)0.0003	(P)-0.0426	(P)-0.0003
3	S0	10/25/2005 3:22:43 F	(P)1.003	(P)0.0446	(P)0.0183	(P)0.0125	(P)60.1500	(P)-0.7076	(P)0.0022	(P)0.0022	(P)0.0906	(P)0.0351
	Mean of S0	10/25/2005 3:20:51 F	(P)1.011	(P)0.0000	(P)-0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000
	SD of S0		(P)n/a	(P)0.0386	(P)0.1810	(P)0.0145	(P)132.0000	(P)0.8401	(P)0.0077	(P)0.0024	(P)0.0785	(P)0.0350
	%RSD of S0		(P)n/a	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000
1	S200	10/25/2005 3:26:31 F	(P)0.897	(P)198.7000	(P)199.1000	(P)199.6000	(PM)737.8000	(PM)2005.000	(PM)200.9000	(P)199.0000	(P)198.6000	(PM)200.1000
2	S200	10/25/2005 3:27:27 F	(P)0.879	(P)199.1000	(P)198.9000	(P)199.1000	(P)113.3000	(P)1998.0000	(P)199.1000	(P)199.7000	(P)199.8000	(PM)200.1000
3	S200	10/25/2005 3:28:23 F	(P)0.879	(PM)202.2000	(PM)201.9000	(PM)201.3000	(P)-251.1000	(P)1997.0000	(P)200.0000	(PM)201.3000	(PM)201.6000	(P)199.8000
	Mean of S200	10/25/2005 3:26:31 F	(P)0.897	(PM)200.0000	(PM)200.0000	(PM)200.0000	(PM)200.0000	(PM)2000.000	(PM)200.0000	(PM)200.0000	(PM)200.0000	(PM)200.0000
	SD of S200		(P)n/a	(PM)1.9110	(PM)1.6910	(PM)1.1720	(PM)500.1000	(PM)3.9950	(PM)0.8608	(PM)1.1820	(PM)1.5410	(PM)0.1322
	%RSD of S200		(P)n/a	(PM)0.9554	(PM)0.8454	(PM)0.5858	(PM)250.1000	(PM)0.1998	(PM)0.4304	(PM)0.5911	(PM)0.7705	(PM)0.0661
1	ICV;ICV	10/25/2005 3:32:13 F	(P)0.903	(P)0.2139	(P)101.3000	(P)98.6100	(P)46.7200	(P)1022.0000	(P)99.8200	(P)101.5000	(P)99.8900	(P)99.6100
2	ICV;ICV	10/25/2005 3:33:09 F	(P)0.899	(P)0.0730	(P)101.2000	(P)98.2400	(PM)336.1000	(P)1023.0000	(P)99.9700	(P)100.9000	(P)101.5000	(P)99.6400
3	ICV;ICV	10/25/2005 3:34:05 F	(P)0.898	(P)-0.0069	(P)101.4000	(P)98.4800	(PM)351.4000	(P)1029.0000	(P)100.7000	(P)101.2000	(P)98.9000	(P)99.2600
	Mean of ICV;ICV	10/25/2005 3:32:13 F	(P)0.903	(P)0.0933	(P)101.3000	(P)98.4400	(PM)244.7000	(P)1025.0000	(P)100.2000	(P)101.2000	(P)100.1000	(P)99.5000
	SD of ICV;ICV		(P)n/a	(P)0.1118	(P)0.0921	(P)0.1858	(PM)171.7000	(P)3.6820	(P)0.4580	(P)0.3074	(P)1.3120	(P)0.2130
	%RSD of ICV;ICV		(P)n/a	(P)119.7000	(P)0.0909	(P)0.1887	(PM)70.1400	(P)0.3592	(P)0.4573	(P)0.3039	(P)1.3100	(P)0.2140
1	ICB;ICB	10/25/2005 3:37:54 F	(P)1.017	(P)0.0236	(P)0.1380	(P)-0.0003	(PM)208.1000	(P)1.3740	(P)0.0513	(P)0.0077	(P)-0.0080	(P)0.0438
2	ICB;ICB	10/25/2005 3:38:50 F	(P)1.012	(P)0.0457	(P)0.0334	(P)0.0024	(PM)312.4000	(P)4.0220	(P)0.0352	(P)0.0246	(P)-0.0318	(P)0.0153
3	ICB;ICB	10/25/2005 3:39:46 F	(P)1.015	(P)0.0683	(P)-0.2165	(P)0.0109	(PM)258.7000	(P)1.2280	(P)0.0323	(P)0.0193	(P)0.0228	(P)0.0859
	Mean of ICB;ICB	10/25/2005 3:37:54 F	(P)1.017	(P)0.0459	(P)-0.0150	(P)0.0043	(PM)259.7000	(P)2.2080	(P)0.0396	(P)0.0172	(P)-0.0057	(P)0.0483

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Excluded In Calib | Excluded In Results | Peak Run Excluded | Multi Element | Semi Quant | Internal Standard | Standard Addition

Dilution Corrected Concentration Per Analyte

S-Calibration Has Edited Standard E-Calibration Edited I-Invalid Calibration V-Valley Integration Failed
F-Interference Correction Failed T-Tripped P-Pulse Counting M-Result Over Max

Run	Label	TimeStamp	66Zn	75As	76Se	77Ar Cl	78Se	83Kr	89Y	95Mo	103Rh	106Pd
			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	tune1	10/25/2005 3:13:19 F	(P)2.9420	(P)-0.0507	(P)0.0000	(P)0.0000	(P)2.0940	(P)0.0000	(P)0.978	(P)0.0043	(P)0.998	(P)0.0000
2	tune1	10/25/2005 3:14:15 F	(P)2.8150	(P)0.0137	(P)0.0000	(P)0.0000	(P)1.2980	(P)0.0000	(P)0.964	(P)0.0128	(P)0.979	(P)0.0000
3	tune1	10/25/2005 3:15:11 F	(P)2.9540	(P)0.3390	(P)0.0000	(P)0.0000	(P)0.6477	(P)0.0000	(P)0.966	(P)0.0128	(P)0.971	(P)0.0000
4	tune1	10/25/2005 3:16:07 F	(P)2.6180	(P)0.1326	(P)0.0000	(P)0.0000	(P)0.3323	(P)0.0000	(P)0.948	(P)0.0042	(P)0.964	(P)0.0000
5	tune1	10/25/2005 3:17:03 F	(P)3.1470	(P)0.1391	(P)0.0000	(P)0.0000	(P)2.0340	(P)0.0000	(P)0.951	(P)0.0085	(P)0.983	(P)0.0000
	Mean of tune1	10/25/2005 3:12:35 F	(P)2.8950	(P)0.1147	(P)0.0000	(P)0.0000	(P)1.2810	(P)0.0000	(P)0.978	(P)0.0085	(P)0.998	(P)0.0000
	SD of tune1		(P)0.1950	(P)0.1490	(P)0.0000	(P)0.0000	(P)0.7952	(P)0.0000	(P)n/a	(P)0.0043	(P)n/a	(P)0.0000
	%RSD of tune1		(P)6.7360	(P)129.9000	(P)0.0000	(P)0.0000	(P)62.0700	(P)0.0000	(P)n/a	(P)50.0000	(P)n/a	(P)0.0000
1	S0	10/25/2005 3:20:51 F	(P)0.0060	(P)-0.1944	(P)0.0000	(P)0.0000	(P)-0.1413	(P)0.0000	(P)1.012	(P)-0.0043	(P)1.016	(P)0.0000
2	S0	10/25/2005 3:21:47 F	(P)-0.1976	(P)0.0755	(P)0.0000	(P)0.0000	(P)-0.0666	(P)0.0000	(P)0.997	(P)0.0131	(P)0.994	(P)0.0000
3	S0	10/25/2005 3:22:43 F	(P)0.1916	(P)0.1189	(P)0.0000	(P)0.0000	(P)0.2079	(P)0.0000	(P)0.991	(P)-0.0088	(P)0.990	(P)0.0000
	Mean of S0	10/25/2005 3:20:51 F	(P)-0.0000	(P)-0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)1.012	(P)-0.0000	(P)1.016	(P)0.0000
	SD of S0		(P)0.1946	(P)0.1697	(P)0.0000	(P)0.0000	(P)0.1839	(P)0.0000	(P)n/a	(P)0.0116	(P)n/a	(P)0.0000
	%RSD of S0		(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)n/a	(P)0.0000	(P)n/a	(P)0.0000
1	S200	10/25/2005 3:26:31 F	(P)195.2000	(PM)200.1000	(P)0.0000	(P)0.0000	(PM)200.0000	(P)0.0000	(P)0.908	(PM)200.2000	(P)0.920	(P)0.0000
2	S200	10/25/2005 3:27:27 F	(PM)204.0000	(PM)204.2000	(P)0.0000	(P)0.0000	(P)199.7000	(P)0.0000	(P)0.912	(PM)202.2000	(P)0.901	(P)0.0000
3	S200	10/25/2005 3:28:23 F	(PM)200.8000	(P)195.6000	(P)0.0000	(P)0.0000	(PM)200.2000	(P)0.0000	(P)0.871	(P)197.6000	(P)0.875	(P)0.0000
	Mean of S200	10/25/2005 3:26:31 F	(PM)200.0000	(PM)200.0000	(P)0.0000	(P)0.0000	(PM)200.0000	(P)0.0000	(P)0.908	(PM)200.0000	(P)0.920	(P)0.0000
	SD of S200		(PM)4.4190	(PM)4.2970	(P)0.0000	(P)0.0000	(PM)0.2486	(P)0.0000	(P)n/a	(PM)2.2920	(P)n/a	(P)0.0000
	%RSD of S200		(PM)2.2090	(PM)2.1480	(P)0.0000	(P)0.0000	(PM)0.1243	(P)0.0000	(P)n/a	(PM)1.1460	(P)n/a	(P)0.0000
1	ICV;ICV	10/25/2005 3:32:13 F	(PM)203.6000	(P)195.5000	(P)0.0000	(P)0.0000	(PM)205.4000	(P)0.0000	(P)0.912	(P)0.1084	(P)0.931	(P)0.0000
2	ICV;ICV	10/25/2005 3:33:09 F	(PM)201.5000	(P)197.1000	(P)0.0000	(P)0.0000	(PM)203.0000	(P)0.0000	(P)0.895	(P)0.0675	(P)0.938	(P)0.0000
3	ICV;ICV	10/25/2005 3:34:05 F	(P)199.1000	(P)193.0000	(P)0.0000	(P)0.0000	(P)197.9000	(P)0.0000	(P)0.885	(P)0.0708	(P)0.934	(P)0.0000
	Mean of ICV;ICV	10/25/2005 3:32:13 F	(PM)201.4000	(P)195.2000	(P)0.0000	(P)0.0000	(PM)202.1000	(P)0.0000	(P)0.912	(P)0.0822	(P)0.931	(P)0.0000
	SD of ICV;ICV		(PM)2.2680	(P)2.0940	(P)0.0000	(P)0.0000	(PM)3.8310	(P)0.0000	(P)n/a	(P)0.0227	(P)n/a	(P)0.0000
	%RSD of ICV;ICV		(PM)1.1260	(P)1.0730	(P)0.0000	(P)0.0000	(PM)1.8960	(P)0.0000	(P)n/a	(P)27.6300	(P)n/a	(P)0.0000
1	ICB;ICB	10/25/2005 3:37:54 F	(P)-0.1947	(P)0.3901	(P)0.0000	(P)0.0000	(P)0.4507	(P)0.0000	(P)1.011	(P)0.0182	(P)1.037	(P)0.0000
2	ICB;ICB	10/25/2005 3:38:50 F	(P)0.1464	(P)0.3340	(P)0.0000	(P)0.0000	(P)0.5744	(P)0.0000	(P)1.018	(P)0.0091	(P)1.015	(P)0.0000
3	ICB;ICB	10/25/2005 3:39:46 F	(P)-0.1651	(P)0.2895	(P)0.0000	(P)0.0000	(P)-0.2561	(P)0.0000	(P)1.002	(P)0.0311	(P)1.017	(P)0.0000
	Mean of ICB;ICB	10/25/2005 3:37:54 F	(P)-0.0711	(P)0.3379	(P)0.0000	(P)0.0000	(P)0.2564	(P)0.0000	(P)1.011	(P)0.0194	(P)1.037	(P)0.0000

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Excluded In Calib | Excluded In Results | Peak Run Excluded | Multi Element | Semi Quant | Internal Standard | Standard Addition

Dilution Corrected Concentration Per Analyte

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	107Ag	108Pd	111Cd	113In	115In	121Sb	123Sb	137Ba	159Tb	165Ho
			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	tune1	10/25/2005 3:13:19 F	(P)0.0096	(P)0.0000	(P)0.2232	(P)0.0000	0.155	(P)0.0304	(P)0.0263	(P)0.0061	(P)0.965	(P)0.977
2	tune1	10/25/2005 3:14:15 F	(P)0.0027	(P)0.0000	(P)0.2687	(P)0.0000	0.155	(P)0.0170	(P)0.0313	(P)0.0093	(P)0.974	(P)0.986
3	tune1	10/25/2005 3:15:11 F	(P)0.0066	(P)0.0000	(P)0.2784	(P)0.0000	0.154	(P)0.0288	(P)0.0240	(P)0.0030	(P)0.955	(P)0.978
4	tune1	10/25/2005 3:16:07 F	(P)0.0053	(P)0.0000	(P)0.2132	(P)0.0000	0.153	(P)0.0190	(P)0.0199	(P)0.0122	(P)0.961	(P)0.966
5	tune1	10/25/2005 3:17:03 F	(P)0.0081	(P)0.0000	(P)0.2409	(P)0.0000	0.150	(P)0.0196	(P)0.0162	(P)0.0030	(P)0.946	(P)0.964
	Mean of tune1	10/25/2005 3:12:35 F	(P)0.0064	(P)0.0000	(P)0.2449	(P)0.0000	0.155	(P)0.0230	(P)0.0235	(P)0.0067	(P)0.965	(P)0.977
	SD of tune1		(P)0.0026	(P)0.0000	(P)0.0282	(P)0.0000	n/a	(P)0.0062	(P)0.0058	(P)0.0040	(P)n/a	(P)n/a
	%RSD of tune1		(P)40.9300	(P)0.0000	(P)11.5100	(P)0.0000	n/a	(P)26.8500	(P)24.7200	(P)59.5900	(P)n/a	(P)n/a
1	S0	10/25/2005 3:20:51 F	(P)0.0040	(P)0.0000	(P)0.0306	(P)0.0000	(P)1.015	(P)0.0006	(P)-0.0041	(P)-0.0054	(P)1.014	(P)1.010
2	S0	10/25/2005 3:21:47 F	(P)-0.0020	(P)0.0000	(P)-0.0100	(P)0.0000	(P)0.990	(P)-0.0039	(P)-0.0071	(P)0.0054	(P)0.993	(P)0.995
3	S0	10/25/2005 3:22:43 F	(P)-0.0020	(P)0.0000	(P)-0.0206	(P)0.0000	(P)0.995	(P)0.0033	(P)0.0112	(P)0.0000	(P)0.993	(P)0.995
	Mean of S0	10/25/2005 3:20:51 F	(P)-0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)1.015	(P)0.0000	(P)-0.0000	(P)0.0000	(P)1.014	(P)1.010
	SD of S0		(P)0.0034	(P)0.0000	(P)0.0270	(P)0.0000	(P)n/a	(P)0.0036	(P)0.0098	(P)0.0054	(P)n/a	(P)n/a
	%RSD of S0		(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)n/a	(P)0.0000	(P)0.0000	(P)0.0000	(P)n/a	(P)n/a
1	S200	10/25/2005 3:26:31 F	(P)198.3000	(P)0.0000	(PM)200.5000	(P)0.0000	(P)0.924	(P)199.7000	(P)198.4000	(P)197.8000	(P)0.929	(P)0.974
2	S200	10/25/2005 3:27:27 F	(PM)202.1000	(P)0.0000	(P)199.9000	(P)0.0000	(P)0.916	(PM)201.5000	(PM)203.3000	(PM)204.0000	(P)0.917	(P)0.972
3	S200	10/25/2005 3:28:23 F	(P)199.6000	(P)0.0000	(P)199.6000	(P)0.0000	(P)0.896	(P)198.8000	(P)198.3000	(P)198.1000	(P)0.899	(P)0.945
	Mean of S200	10/25/2005 3:26:31 F	(PM)200.0000	(P)0.0000	(PM)200.0000	(P)0.0000	(P)0.924	(PM)200.0000	(PM)200.0000	(PM)200.0000	(P)0.929	(P)0.974
	SD of S200		(PM)1.9710	(P)0.0000	(PM)0.5024	(P)0.0000	(P)n/a	(PM)1.3800	(PM)2.8970	(PM)3.5080	(P)n/a	(P)n/a
	%RSD of S200		(PM)0.9853	(P)0.0000	(PM)0.2512	(P)0.0000	(P)n/a	(PM)0.6901	(PM)1.4480	(PM)1.7540	(P)n/a	(P)n/a
1	ICV;ICV	10/25/2005 3:32:13 F	(P)102.4000	(P)0.0000	(P)100.7000	(P)0.0000	(P)0.942	(PM)205.3000	(PM)206.3000	(P)104.1000	(P)0.946	(P)0.997
2	ICV;ICV	10/25/2005 3:33:09 F	(P)103.7000	(P)0.0000	(P)104.1000	(P)0.0000	(P)0.938	(PM)206.7000	(PM)207.5000	(P)101.2000	(P)0.936	(P)0.976
3	ICV;ICV	10/25/2005 3:34:05 F	(P)102.7000	(P)0.0000	(P)103.3000	(P)0.0000	(P)0.930	(PM)203.9000	(PM)203.9000	(P)102.8000	(P)0.931	(P)0.966
	Mean of ICV;ICV	10/25/2005 3:32:13 F	(P)102.9000	(P)0.0000	(P)102.7000	(P)0.0000	(P)0.942	(PM)205.3000	(PM)205.9000	(P)102.7000	(P)0.946	(P)0.997
	SD of ICV;ICV		(P)0.6828	(P)0.0000	(P)1.7510	(P)0.0000	(P)n/a	(PM)1.3960	(PM)1.8400	(P)1.4330	(P)n/a	(P)n/a
	%RSD of ICV;ICV		(P)0.6633	(P)0.0000	(P)1.7050	(P)0.0000	(P)n/a	(PM)0.6801	(PM)0.8934	(P)1.3950	(P)n/a	(P)n/a
1	ICB;ICB	10/25/2005 3:37:54 F	(P)0.0496	(P)0.0000	(P)0.0968	(P)0.0000	(P)1.030	(P)0.7505	(P)0.7065	(P)0.0390	(P)0.995	(P)1.010
2	ICB;ICB	10/25/2005 3:38:50 F	(P)0.0525	(P)0.0000	(P)0.0432	(P)0.0000	(P)1.026	(P)0.5701	(P)0.5746	(P)0.0225	(P)1.011	(P)1.006
3	ICB;ICB	10/25/2005 3:39:46 F	(P)0.0427	(P)0.0000	(P)0.0633	(P)0.0000	(P)1.018	(P)0.4752	(P)0.5717	(P)0.0336	(P)1.015	(P)1.013
	Mean of ICB;ICB	10/25/2005 3:37:54 F	(P)0.0483	(P)0.0000	(P)0.0677	(P)0.0000	(P)1.030	(P)0.5986	(P)0.6176	(P)0.0317	(P)0.995	(P)1.010

Excluded In Calib | Excluded In Results | Peak Run Excluded | Multi Element | Semi Quant | Internal Standard | Standard Addition

Dilution Corrected Concentration Per Analyte

S-Calibration Has Edited Standard
E-Calibration Edited
I-Invalid Calibration
V-Valley Integration Failed
F-Interference Correction Failed
T-Tripped
P-Pulse Counting
M-Result Over Max

Run	Label	TimeStamp	203Tl	205Tl	206Pb	207Pb	208Pb	209Bi
			ppb	ppb	ppb	ppb	ppb	ppb
1	tune1	10/25/2005 3:13:19 F	(P)0.0052	(P)0.0054	(P)191.6000	(P)195.7000	(P)197.3000	(P)0.955
2	tune1	10/25/2005 3:14:15 F	(P)0.0079	(P)0.0060	(PM)200.3000	(PM)204.0000	(PM)205.3000	(P)0.967
3	tune1	10/25/2005 3:15:11 F	(P)0.0052	(P)0.0085	(PM)201.2000	(PM)203.6000	(PM)205.0000	(P)0.959
4	tune1	10/25/2005 3:16:07 F	(P)0.0052	(P)0.0048	(P)199.5000	(PM)202.3000	(PM)202.9000	(P)0.952
5	tune1	10/25/2005 3:17:03 F	(P)0.0039	(P)0.0046	(P)198.3000	(PM)202.8000	(PM)203.7000	(P)0.960
	Mean of tune1	10/25/2005 3:12:35 F	(P)0.0055	(P)0.0059	(PM)198.2000	(PM)201.7000	(PM)202.9000	(P)0.955
	SD of tune1		(P)0.0015	(P)0.0016	(PM)3.8230	(PM)3.4290	(PM)3.2350	(P)n/a
	%RSD of tune1		(P)26.6100	(P)27.3300	(PM)1.9290	(PM)1.7000	(PM)1.5950	(P)n/a
1	S0	10/25/2005 3:20:51 F	(P)0.0001	(P)0.0018	(P)0.0103	(P)0.0057	(P)0.0073	(P)1.020
2	S0	10/25/2005 3:21:47 F	(P)-0.0028	(P)-0.0004	(P)-0.0051	(P)-0.0041	(P)-0.0025	(P)0.990
3	S0	10/25/2005 3:22:43 F	(P)0.0026	(P)-0.0013	(P)-0.0051	(P)-0.0016	(P)-0.0048	(P)0.991
	Mean of S0	10/25/2005 3:20:51 F	(P)-0.0000	(P)0.0000	(P)-0.0000	(P)-0.0000	(P)0.0000	(P)1.020
	SD of S0		(P)0.0027	(P)0.0016	(P)0.0089	(P)0.0051	(P)0.0065	(P)n/a
	%RSD of S0		(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)0.0000	(P)n/a
1	S200	10/25/2005 3:26:31 F	(PM)200.8000	(M)201.2000	(PM)200.1000	(PM)200.6000	(PM)200.7000	(P)0.974
2	S200	10/25/2005 3:27:27 F	(PM)200.0000	199.7000	(PM)203.7000	(PM)201.7000	(PM)201.5000	(P)0.966
3	S200	10/25/2005 3:28:23 F	(P)199.2000	199.0000	(P)196.1000	(P)197.8000	(P)197.8000	(P)0.952
	Mean of S200	10/25/2005 3:26:31 F	(PM)200.0000	(M)200.0000	(PM)200.0000	(PM)200.0000	(PM)200.0000	(P)0.974
	SD of S200		(PM)0.8131	(M)1.1270	(PM)3.8180	(PM)2.0000	(PM)1.9100	(P)n/a
	%RSD of S200		(PM)0.4066	(M)0.5636	(PM)1.9090	(PM)1.0000	(PM)0.9549	(P)n/a
1	ICV;ICV	10/25/2005 3:32:13 F	(PM)210.2000	(M)218.8000	(PM)206.8000	(PM)207.1000	(PM)206.2000	(P)0.981
2	ICV;ICV	10/25/2005 3:33:09 F	(PM)209.6000	(M)214.0000	(PM)204.8000	(PM)204.6000	(PM)203.2000	(P)0.972
3	ICV;ICV	10/25/2005 3:34:05 F	(PM)211.2000	(M)223.2000	(PM)207.2000	(PM)207.6000	(PM)205.1000	(P)0.970
	Mean of ICV;ICV	10/25/2005 3:32:13 F	(PM)210.3000	(M)218.7000	(PM)206.3000	(PM)206.4000	(PM)204.9000	(P)0.981
	SD of ICV;ICV		(PM)0.8127	(M)4.6180	(PM)1.2680	(PM)1.6000	(PM)1.5270	(P)n/a
	%RSD of ICV;ICV		(PM)0.3864	(M)2.1120	(PM)0.6147	(PM)0.7752	(PM)0.7455	(P)n/a
1	ICB;ICB	10/25/2005 3:37:54 F	(P)0.0728	(P)0.0319	(P)0.0296	(P)0.0385	(P)0.0348	(P)1.027
2	ICB;ICB	10/25/2005 3:38:50 F	(P)0.0621	(P)0.0410	(P)0.0144	(P)0.0313	(P)0.0327	(P)1.011
3	ICB;ICB	10/25/2005 3:39:46 F	(P)0.0878	(P)0.0482	(P)0.0465	(P)0.0559	(P)0.0508	(P)1.005
	Mean of ICB;ICB	10/25/2005 3:37:54 F	(P)0.0742	(P)0.0404	(P)0.0302	(P)0.0419	(P)0.0394	(P)1.027

Excluded In Calib | Excluded In Results | Peak Run Excluded | Multi Element | Semi Quant | Internal Standard | Standard Addition

Dilution Corrected Concentration Per Analyte

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	6Li	7Li	9Be	23Na	24Mg	25Mg	26Mg	27Al	39K	44Ca
			ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
	SD of ICB;ICB		(P)n/a	(P)0.0000	(P)0.0292	(P)1.6830	(P)0.1045	(P)0.5214	(P)0.2498	(P)0.3362	(P)2.1020	(P)2.0600
	%RSD of ICB;ICB		(P)n/a	(P)0.0000	(P)640.9000	(P)58.1000	(P)74.6500	(P)164.8000	(P)78.1700	(P)213.9000	(P)59.6100	(P)147.4000
1	CRII;CRI	10/25/2005 3:43:37 F	(P)1.024	(P)0.0000	(P)0.8095	(P)1.1890	(P)0.1413	(P)0.3071	(P)0.5286	(P)0.1860	(P)7.5430	(P)-1.6310
2	CRII;CRI	10/25/2005 3:44:33 F	(P)1.019	(P)0.0000	(P)0.9618	(P)5.5560	(P)0.1661	(P)0.3920	(P)0.1906	(P)0.8965	(P)0.0690	(P)-1.5300
3	CRII;CRI	10/25/2005 3:45:28 F	(P)1.018	(P)0.0000	(P)0.9328	(P)5.8310	(P)0.1416	(P)0.6225	(P)0.0647	(P)0.3361	(P)4.6090	(P)0.1990
	Mean of CRII;CRI	10/25/2005 3:43:37 F	(P)1.024	(P)0.0000	(P)0.9014	(P)4.1920	(P)0.1496	(P)0.4405	(P)0.2613	(P)0.4729	(P)4.0740	(P)-0.9873
	SD of CRII;CRI		(P)n/a	(P)0.0000	(P)0.0809	(P)2.6040	(P)0.0142	(P)0.1632	(P)0.2399	(P)0.3745	(P)3.7660	(P)1.0290
	%RSD of CRII;CRI		(P)n/a	(P)0.0000	(P)8.9750	(P)62.1200	(P)9.5060	(P)37.0500	(P)91.8100	(P)79.1900	(P)92.4400	(P)104.2000
1	ICSAI;ICSA/5	10/25/2005 3:49:20 F	(P)1.000	(P)0.0000	(P)0.0596	(M)84670.000	(M)86120.000	(M)137100.00	(M)138300.00	(M)138800.00	(M)81450.000	(PM)93900.00
2	ICSAI;ICSA/5	10/25/2005 3:50:16 F	(P)0.971	(P)0.0000	(P)0.0428	(M)83390.000	(M)84360.000	(M)135400.00	(M)134800.00	(M)136600.00	(M)80430.000	(PM)93360.00
3	ICSAI;ICSA/5	10/25/2005 3:51:12 F	(P)0.993	(P)0.0000	(P)0.1589	(M)84820.000	(M)85410.000	(M)135500.00	(M)138100.00	(M)137700.00	(M)80410.000	(PM)93260.00
	Mean of ICSAI;ICSA/5	10/25/2005 3:49:20 F	(P)1.000	(P)0.0000	(P)0.0871	(M)84290.000	(M)85300.000	(M)136000.00	(M)137100.00	(M)137700.00	(M)80760.000	(PM)93510.00
	SD of ICSAI;ICSA/5		(P)n/a	(P)0.0000	(P)0.0627	(M)789.6000	(M)884.3000	(M)939.0000	(M)1948.0000	(M)1118.0000	(M)597.2000	(PM)346.8000
	%RSD of ICSAI;ICSA		(P)n/a	(P)0.0000	(P)72.0200	(M)0.9367	(M)1.0370	(M)0.6905	(M)1.4210	(M)0.8117	(M)0.7394	(PM)0.3708
1	ICSABI;ICSAB/5	10/25/2005 3:55:04 F	(P)1.013	(P)0.0000	(P)20.8300	(M)89140.000	(M)89420.000	(M)143200.00	(M)143200.00	(M)144500.00	(M)83930.000	(PM)96310.00
2	ICSABI;ICSAB/5	10/25/2005 3:56:00 F	(P)1.006	(P)0.0000	(P)20.4600	(M)88950.000	(M)89580.000	(M)140700.00	(M)141800.00	(M)142900.00	(M)84270.000	(PM)96940.00
3	ICSABI;ICSAB/5	10/25/2005 3:56:56 F	(P)1.002	(P)0.0000	(P)20.5900	(M)88730.000	(M)90150.000	(M)142300.00	(M)144400.00	(M)144200.00	(M)84850.000	(PM)97070.00
	Mean of ICSABI;ICSA	10/25/2005 3:55:04 F	(P)1.013	(P)0.0000	(P)20.6300	(M)88940.000	(M)89720.000	(M)142000.00	(M)143100.00	(M)143900.00	(M)84350.000	(PM)96770.00
	SD of ICSABI;ICSAB/		(P)n/a	(P)0.0000	(P)0.1902	(M)203.6000	(M)382.4000	(M)1281.0000	(M)1342.0000	(M)833.0000	(M)462.2000	(PM)405.4000
	%RSD of ICSABI;ICS		(P)n/a	(P)0.0000	(P)0.9223	(M)0.2289	(M)0.4262	(M)0.9015	(M)0.9373	(M)0.5790	(M)0.5479	(PM)0.4189
1	CCV1;CCV	10/25/2005 4:00:48 F	(P)1.014	(P)0.0000	(P)101.6000	1083.0000	(P)646.1000	(P)1043.0000	(P)1052.0000	(P)114.0000	1056.0000	(P)1055.0000
2	CCV1;CCV	10/25/2005 4:01:44 F	(P)1.021	(P)0.0000	(P)103.2000	1087.0000	(P)649.8000	(P)1050.0000	(P)1049.0000	(P)114.4000	1082.0000	(P)1052.0000
3	CCV1;CCV	10/25/2005 4:02:40 F	(P)0.986	(P)0.0000	(P)99.5300	1069.0000	(P)634.4000	(P)1035.0000	(P)1044.0000	(P)112.6000	1059.0000	(P)1050.0000
	Mean of CCV1;CCV	10/25/2005 4:00:48 F	(P)1.014	(P)0.0000	(P)101.4000	1080.0000	(P)643.4000	(P)1043.0000	(P)1048.0000	(P)113.6000	1065.0000	(P)1052.0000
	SD of CCV1;CCV		(P)n/a	(P)0.0000	(P)1.8630	9.6050	(P)7.9930	(P)7.6010	(P)3.6350	(P)0.9626	14.2900	(P)2.7890
	%RSD of CCV1;CCV		(P)n/a	(P)0.0000	(P)1.8360	0.8894	(P)1.2420	(P)0.7291	(P)0.3468	(P)0.8470	1.3410	(P)0.2651
1	CCB1;CCB	10/25/2005 4:06:33 F	(P)1.028	(P)0.0000	(P)-0.0260	(P)7.4270	(P)1.9610	(P)3.6540	(P)3.2920	(P)3.1740	(P)8.2500	(P)5.9300
2	CCB1;CCB	10/25/2005 4:07:29 F	(P)1.020	(P)0.0000	(P)-0.0625	(P)6.3600	(P)1.9100	(P)2.9260	(P)3.1010	(P)2.6510	(P)6.7210	(P)4.0290
3	CCB1;CCB	10/25/2005 4:08:25 F	(P)1.021	(P)0.0000	(P)0.0019	(P)5.4390	(P)1.6800	(P)2.2510	(P)2.8190	(P)3.1390	(P)9.4430	(P)4.3390

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