UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 6
HOUSTON BRANCH
10625 FALLSTONE RD.
HOUSTON, TEXAS 77099

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January 27, 2012

MEMORANDUM

SUBJECT: Contract Laboratory Program Data Review

Raymond Flores

FROM: Raymond Flores, Alternate ESAT Regional Project Officer, Environmental Services Branch (6MD-H)

TO: Vincent Malott, Superfund Project Manager (6SF-RA)

Site : WEST COUNTY ROAD 112 GROUND WATER

Case#: 42114

SDG#: MF5A00

The EPA Region 6 Environmental Services Branch ESAT data review team has completed a review of the submitted Contract Laboratory Program (CLP) data package for the referenced site. The samples analyzed and reviewed are detailed in the attached Regional data review report.

The data package is acceptable for regional use. Problems, if any, are listed in the report narrative.

If you have any questions regarding the data review report, please contact me at (281) 983-2140.

650867

ENVIRONMENTAL SERVICES ASSISTANCE TEAM

ESAT Region 6
10625 Fallstone Road
Houston, TX 77099

Alion Science and Technology

MEMORANDUM

DATE: January 26, 2012

TO: Marvelyn Humphrey, ESAT PO, Region 6 EPA

FROM: Linda Hoffman, Data Reviewer, ESAT

THRU: Dominic G. Jarecki, ESAT Program Manager, ESAT DGJ

SUBJECT: CLP Data Review

Contract No.:	EP-W-06-030
TO No.:	024
Task/Sub-Task:	2-12
ESAT Doc. No.:	A024-212-0115
TDF No.:	6-12-116A
ESAT File No.:	I-0462

Attached is the data review summary for Case # 42114
SDG # MF5A00
Site West CR 112 Ground Water

COMMENTS:

I. LEVEL OF DATA REVIEW

Region 6 Standard Review was performed for this data package.

II. CONTRACTUAL ASSESSMENT OF THE DATA PACKAGE

The CCS and hardcopy review found the data package contractually compliant.

III. TECHNICAL USABILITY ASSESSMENT OF THE DATA PACKAGE

The total number of sample results reviewed for this data package was 440. Some results were qualified for technical problems that were not considered significant.

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
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HOUSTON BRANCH
10625 FALLSTONE ROAD
HOUSTON, TEXAS 77099

INORGANIC REGIONAL DATA ASSESSMENT

CASE NO.	42114	SITE	West CR 112 Ground Water
LABORATORY	SENTIN	NO. OF SAMPLES	20
CONTRACT#	EP-W-09-040	MATRIX	Water
SDG#	MF5A00	REVIEWER (IF NOT ESB)	ESAT
SOW#	ISM01.3	REVIEWER'S NAME	Linda Hoffman
SF#	303DD2A6R6	COMPLETION DATE	January 26, 2012

SAMPLE NO.					
	MF5A00	MF5A04	MF5A10	MF5A14	MF5A18
	MF5A01	MF5A05	MF5A11	MF5A15	MF5A19
	MF5A02	MF5A06	MF5A12	MF5A16	MF5A20
	MF5A03	MF5A07	MF5A13	MF5A17	MF5A23

DATA ASSESSMENT SUMMARY

	ICP
1. HOLDING TIMES	O
2. CALIBRATIONS	O
3. BLANKS	M
4. MATRIX SPIKES	O
5. DUPLICATE ANALYSIS	O
6. ICP QC	M
7. LCS	O
8. SAMPLE VERIFICATION	O
9. OTHER QC	N/A
10. OVERALL ASSESSMENT	M

O = Data had no problems.
M = Data qualified due to major or minor problems.
Z = Data unacceptable.
NA = Not applicable.

ACTION ITEMS:

AREAS OF CONCERN: Laboratory blank readings affected four potassium results. The manganese, potassium, and sodium serial dilution differences exceeded the QC limit.

COMMENTS/CLARIFICATIONS
REGION 6 CLP QA REVIEW

CASE 42114 **SDG** MF5A00 **SITE** West CR 112 Ground Water **LAB** SENTIN

COMMENTS: This SDG consisted of 20 water samples for total metals analysis by ICP-AES following SOW ISM01.3. The sampler designated sample MF5A05 as the laboratory QC sample and samples MF5A04, MF5A15, and MF5A23 as rinsates.

The target analytes of concern both with a desired detection limit of 10 ug/L are arsenic and chromium. All samples met the desired detection limit criteria. Fourteen samples contained at least one of the target analytes of concern at a concentration over the desired detection limit.

Region 6 Standard Review was performed on this package as requested by the TDF. Twenty-seven percent of the reported results were above the CRQLs. Some results were qualified for all samples because of problems with laboratory blank readings and/or serial dilution differences. ESAT's final data qualifiers in the DST indicate the technical usability of all reported results. An Evidence Audit was conducted for the CSF, and the audit results were reported on the Evidence Inventory Checklist.

NOTE: THE FOLLOWING REVIEW NARRATIVE ADDRESSES BOTH CONTRACTUAL ISSUES (BASED ON THE STATEMENT OF WORK) AND TECHNICAL ISSUES (BASED ON THE NATIONAL FUNCTIONAL GUIDELINES). THE ASSESSMENT MADE FOR EACH QC PARAMETER IS SOLELY BASED ON THE TECHNICAL DATA USABILITY, WHICH MAY NOT NECESSARILY BE AFFECTED BY CONTRACTUAL PROBLEMS. THE ASSESSMENTS ARE DEFINED BELOW.

Acceptable = No results were qualified for any problem associated with this QC parameter.
Provisional = Some results were qualified because of problems associated with this QC parameter.
Unusable = All results are unusable because of major problems associated with this QC parameter.

1. Holding Times: Acceptable. All samples met contractual and technical holding time criteria. Sample preservation was acceptable.

2. Calibrations: Acceptable. All calibration analyses met contractual requirements.

3. Blanks: Provisional. Preparation and calibration blanks met contractual requirements. In the reviewer's opinion, the reported analyte readings in the ICB and CCBs were attributed to instrument baseline drift and not laboratory contamination. Laboratory blank readings affected the results as indicated below.

- The reviewer qualified as estimated and biased low the potassium results >CRQL for samples MF5A00, MF5A01, MF5A03, and MF5A19 because of negative laboratory blank readings.

- Results <CRQLs for the following analytes should be considered undetected and were flagged "U" at the CRQLs on the DST: iron, lead, selenium, and zinc.

Rinsates: Rinsate samples MF5A04, MF5A15, and MF5A23 were contaminant-free.

4. Pre-digestion Matrix Spike Recovery: Acceptable. The pre-digestion matrix spike recoveries were within the QC limit.

5. Duplicate Analysis: Acceptable. Laboratory duplicate differences were within the QC limits.

6. ICP Quality Control:

Serial Dilution: Provisional. The reviewer qualified the manganese, potassium, and sodium results for all field samples as estimated because the serial dilution differences for these analytes exceeded the QC limit. The reviewer did not include the rinsate samples in this evaluation because matrix effects are not expected in this type of sample.

Interference Check Sample (ICS): Acceptable. ICS results were contractually acceptable and indicated satisfactory interelement and background corrections.

Coefficients of Variation: Acceptable. Replicate instrument readings were consistent.

7. Laboratory Control Sample (LCS): Acceptable. The LCS recoveries were within the QC limits.

8. Sample Verification: Acceptable. The data package was complete. However, the laboratory was contacted for a reporting issue (see Resubmission Request). The laboratory responded to the Regional request and made the necessary corrections and resubmissions. The reviewer used the resubmitted pages to replace the corresponding pages in the data package. The DST included in this report is the final version.

9. Other QC: Not Applicable.

10. Overall Assessment: Some results were qualified for all samples because of problems with laboratory blank readings and/or serial dilution differences.

INORGANIC ACRONYMS

CADRE	Computer-Aided Data Review and Evaluation
CCB	Continuing Calibration Blank
CCS	Contract Compliance Screening
CCV	Continuing Calibration Verification
CN	Cyanide
CRQL	Contract Required Quantitation Limit
CSF	Complete SDG File
DST	Data Summary Table
HG	Mercury
ICB	Initial Calibration Blank
ICP	Inductively Coupled Plasma
ICP-AES	Inductively Coupled Plasma-Atomic Emission Spectroscopy
ICP-MS	Inductively Coupled Plasma-Mass Spectrometry
ICS	Interference Check Sample
ICV	Initial Calibration Verification
LCS	Laboratory Control Sample
MDL	Method Detection Limit
NFG	National Functional Guidelines
PE	Performance Evaluation
%D	Percent Difference
%R	Percent Recovery
%RI	Percent Relative Intensity
%RSD	Percent Relative Standard Deviation
QA	Quality Assurance
QC	Quality Control
QL	Quantitation Limit
RPD	Relative Percent Difference
RSCC	Regional Sample Control Center
SDG	Sample Delivery Group
SMO	Sample Management Office
SOW	Statement of Work
SQL	Sample Quantitation Limit
TAL	Target Analyte List

HEADER DEFINITIONS FOR INORGANIC EXCEL DST

CASE: Case Number
SDG: SDG Number
EPASAMP: EPA Sample Number
LABID: Laboratory File/Sample ID
MATRIX: Sample Matrix
QCCOD: Sample QC Code
SMPQUAL: Sample Qualifier
ANDATE: Sample Analysis Date
ANTIME: Sample Analysis Time
CASNUM: Compound CAS Number
ANALYTE: Compound Name
CONC: Compound Concentration
VALDQAL: Region 6 Inorganic Data Validation Qualifier (see Inorganic Data Qualifier Definitions on the next page)
UNITS: Concentration Units
ADJCRQL: Adjusted Contract Required Quantitation Limit Value
SMPDATE: Sampling Date
PRPDATE: Sample Preparation Date
LRDATE: Laboratory Receipt Date
LEVEL: Sample Level
PERSOLD: Sample Percent Solids
SMPWTVL: Sample Weight (Soil Samples)/Initial Sample Volume (Water Samples)
FINLVOL: Final Sample Volume
METHOD: Method of Analysis
STATLOC: Station Location

Disclaimer: **ESAT verified the accuracy of the information reported in the Excel DST only for the following data fields: CASE, SDG, EPASAMP, MATRIX, ANALYTE, CONC, UNITS, ADJCRQL, VALDQAL, and PERSOLD. The data qualifiers in the VALDQAL column indicate the technical usability of the reported results.**

INORGANIC DATA QUALIFIER DEFINITIONS

The following definitions provide brief explanations of the ESAT-Region 6 qualifiers assigned to results in the Data Summary Table.

U Not detected at reported quantitation limit.

L Reported concentration is between the MDL and the CRQL.

J Result is estimated because of outlying quality control parameters such as matrix spike, serial dilution, etc., or the result is below the CRQL.

R Result is unusable.

F A possibility of a false negative exists.

UC Reported concentration should be used as a raised quantitation limit because of blank effects and/or laboratory or field contamination.

+ High biased. Actual concentration may be lower than the concentration reported.

- Low biased. Actual concentration may be higher than the concentration reported.

W The result should be used with caution. The result was reported on a dry weight basis although the sample did not conform to the EPA Office of Water definition of a soil sample because of its high water content (>70% moisture).

CASE	SDG	EPASAMP	LABID	MATRIX	QCCODE	ANDATE	ANTIME	CASNUM	ANALYTE	CONC	VALDQAL	UNITS	ADJCRQL	SMPDATE	PRPDATE	LRDATE	LEVEL	PERSOLD	SMPWTVL	FINVOL	METHOD	STATLOC
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7429905	Aluminum	53.3	LJ	ug/L	200	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440360	Antimony	60.0	U	ug/L	60.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440382	Arsenic	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440393	Barium	43.0	LJ	ug/L	200	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440417	Beryllium	5.0	U	ug/L	5.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440439	Cadmium	5.0	U	ug/L	5.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440702	Calcium	69500		ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440473	Chromium	4.6	LJ	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440484	Cobalt	50.0	U	ug/L	50.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440508	Copper	3.9	LJ	ug/L	25.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7439896	Iron	100	U	ug/L	100	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7439921	Lead	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7439954	Magnesium	16900		ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7439965	Manganese	33.2	J	ug/L	15.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440020	Nickel	7.4	LJ	ug/L	40.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440097	Potassium	5740	J-	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7782492	Selenium	35.0	U	ug/L	35.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440224	Silver	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440235	Sodium	135000	J	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440280	Thallium	25.0	U	ug/L	25.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440622	Vanadium	5.9	LJ	ug/L	50.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A00	18560(S)	W	Field_Sample	01/10/2012	12:24:49	7440666	Zinc	60.0	U	ug/L	60.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7429905	Aluminum	65.9	LJ	ug/L	200	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440360	Antimony	60.0	U	ug/L	60.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440382	Arsenic	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440393	Barium	46.5	LJ	ug/L	200	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440417	Beryllium	5.0	U	ug/L	5.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440439	Cadmium	5.0	U	ug/L	5.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440702	Calcium	70000		ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440473	Chromium	10.5		ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440484	Cobalt	0.95	LJ	ug/L	50.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440508	Copper	3.3	LJ	ug/L	25.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7439896	Iron	107		ug/L	100	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7439921	Lead	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7439954	Magnesium	17100		ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7439965	Manganese	28.6	J	ug/L	15.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440020	Nickel	12.9	LJ	ug/L	40.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440097	Potassium	5790	J-	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7782492	Selenium	35.0	U	ug/L	35.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440224	Silver	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440235	Sodium	137000	J	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440280	Thallium	25.0	U	ug/L	25.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440622	Vanadium	6.0	LJ	ug/L	50.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A01	18561(S)	W	Field_Sample	01/10/2012	12:29:01	7440666	Zinc	60.0	U	ug/L	60.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34B-D
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7429905	Aluminum	214		ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440382	Arsenic	6.7	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440393	Barium	52.2	LJ	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440439	Cadmium	0.22	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440702	Calcium	255000		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440473	Chromium	40.4		ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440484	Cobalt	1.8	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440508	Copper	3.2	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7439896	Iron	220		ug/L	100	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7439954	Magnesium	35900		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7439965	Manganese	24.9	J	ug/L	15.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440020	Nickel	27.4	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440097	Potassium	8390	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440235	Sodium	296000	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440622	Vanadium	39.4	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A
42114	MF5A00	MF5A02	18562(S)	W	Field_Sample	01/10/2012	12:33:11	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-34A

42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7429905	Aluminum	153	LJ	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440382	Arsenic	4.2	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440393	Barium	45.7	LJ	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440439	Cadmium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440702	Calcium	92200		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440473	Chromium	21.9		ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440484	Cobalt	1.2	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440508	Copper	4.1	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7439896	Iron	273		ug/L	100	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7439954	Magnesium	19600		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7439965	Manganese	287	J	ug/L	15.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440020	Nickel	23.6	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440097	Potassium	5450	J-	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440235	Sodium	152000	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440622	Vanadium	6.4	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A03	18563(S)	W	Field_Sample	01/10/2012	12:37:40	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32B
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7429905	Aluminum	200	U	ug/L	200	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440360	Antimony	60.0	U	ug/L	60.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440382	Arsenic	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440393	Barium	200	U	ug/L	200	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440417	Beryllium	5.0	U	ug/L	5.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440439	Cadmium	5.0	U	ug/L	5.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440702	Calcium	5000	U	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440473	Chromium	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440484	Cobalt	50.0	U	ug/L	50.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440508	Copper	25.0	U	ug/L	25.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7439896	Iron	100	U	ug/L	100	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7439921	Lead	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7439954	Magnesium	5000	U	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7439965	Manganese	15.0	U	ug/L	15.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440020	Nickel	40.0	U	ug/L	40.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440097	Potassium	5000	U	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7782492	Selenium	35.0	U	ug/L	35.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440224	Silver	10.0	U	ug/L	10.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440235	Sodium	5000	U	ug/L	5000	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440280	Thallium	25.0	U	ug/L	25.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440622	Vanadium	50.0	U	ug/L	50.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A04	18564(S)	W	Field_Sample	01/10/2012	12:41:51	7440666	Zinc	60.0	U	ug/L	60.0	01/03/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	ER-1
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7429905	Aluminum	200	U	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440382	Arsenic	4.1	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440393	Barium	58.5	LJ	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440439	Cadmium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440702	Calcium	98900		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440473	Chromium	10.9		ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440484	Cobalt	0.58	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440508	Copper	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7439896	Iron	112		ug/L	100	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7439954	Magnesium	21200		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7439965	Manganese	16.9	J	ug/L	15.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440020	Nickel	30.3	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440097	Potassium	5940	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440235	Sodium	154000	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440622	Vanadium	11.2	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B
42114	MF5A00	MF5A05	18565(S)	W	Field_Sample	01/10/2012	12:08:11	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-33B

42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7429905	Aluminum	80.6	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440382	Arsenic	6.7	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440393	Barium	42.3	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440439	Cadmium	0.60	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440702	Calcium	241000		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440473	Chromium	153		ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440484	Cobalt	0.63	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440508	Copper	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7439896	Iron	100	U	ug/L	100	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7439954	Magnesium	37200		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7439965	Manganese	10.7	LJ	ug/L	15.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440020	Nickel	7.5	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440097	Potassium	6680	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440235	Sodium	269000	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440622	Vanadium	41.2	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A06	18568(S)	W	Field_Sample	01/10/2012	12:54:45	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-33A
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7429905	Aluminum	73.8	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440382	Arsenic	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440393	Barium	61.7	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440439	Cadmium	0.28	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440702	Calcium	89000		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440473	Chromium	7.4	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440484	Cobalt	2.2	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440508	Copper	3.3	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7439896	Iron	111		ug/L	100	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7439954	Magnesium	31300		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7439965	Manganese	148	J	ug/L	15.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440020	Nickel	20.7	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440097	Potassium	7920	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440235	Sodium	192000	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440622	Vanadium	6.0	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A07	18569(S)	W	Field_Sample	01/10/2012	12:59:15	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26B
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7429905	Aluminum	263		ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440382	Arsenic	9.6	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440393	Barium	66.7	LJ	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440417	Beryllium	0.19	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440439	Cadmium	0.40	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440702	Calcium	244000		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440473	Chromium	370		ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440484	Cobalt	0.89	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440508	Copper	4.4	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7439896	Iron	523		ug/L	100	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7439954	Magnesium	39900		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7439965	Manganese	196	J	ug/L	15.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440020	Nickel	8.1	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440097	Potassium	7400	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440235	Sodium	277000	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440622	Vanadium	39.2	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A
42114	MF5A00	MF5A10	18566(S)	W	Field_Sample	01/10/2012	12:46:03	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-32A

42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7429905	Aluminum	202		ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440382	Arsenic	6.3	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440393	Barium	112	LJ	ug/L	200	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440417	Beryllium	0.19	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440439	Cadmium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440702	Calcium	102000		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440473	Chromium	14.1		ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440484	Cobalt	2.4	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440508	Copper	5.1	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7439896	Iron	459		ug/L	100	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7439954	Magnesium	35500		ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7439965	Manganese	586	J	ug/L	15.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440020	Nickel	17.9	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440097	Potassium	8160	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440235	Sodium	198000	J	ug/L	5000	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440622	Vanadium	3.1	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A11	18567(S)	W	Field_Sample	01/10/2012	12:50:32	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/05/2012	Low	0.0	50	50	P	WMW-24B
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7429905	Aluminum	93.2	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440382	Arsenic	6.9	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440393	Barium	35.6	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440439	Cadmium	0.43	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440702	Calcium	178000		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440473	Chromium	157		ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440484	Cobalt	50.0	U	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440508	Copper	4.8	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7439896	Iron	100	U	ug/L	100	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7439954	Magnesium	33700		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7439965	Manganese	14.7	LJ	ug/L	15.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440020	Nickel	3.2	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440097	Potassium	10300	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440235	Sodium	247000	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440622	Vanadium	73.1		ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A12	18570(S)	W	Field_Sample	01/10/2012	13:03:27	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-24A
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7429905	Aluminum	444		ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440382	Arsenic	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440393	Barium	54.7	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440439	Cadmium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440702	Calcium	91800		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440473	Chromium	39.5		ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440484	Cobalt	4.1	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440508	Copper	12.9	LJ	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7439896	Iron	555		ug/L	100	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7439954	Magnesium	23600		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7439965	Manganese	138	J	ug/L	15.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440020	Nickel	40.7		ug/L	40.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440097	Potassium	6220	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440235	Sodium	127000	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440622	Vanadium	11.6	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B
42114	MF5A00	MF5A13	18571(S)	W	Field_Sample	01/10/2012	13:07:48	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29B

42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7429905	Aluminum	70.0	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440360	Antimony	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440382	Arsenic	7.9	LJ	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440393	Barium	40.0	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440417	Beryllium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440439	Cadmium	0.47	LJ	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440702	Calcium	211000		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440473	Chromium	269		ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440484	Cobalt	50.0	U	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440508	Copper	9.4	LJ	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7439896	Iron	153		ug/L	100	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7439921	Lead	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7439954	Magnesium	49700		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7439965	Manganese	24.8	J	ug/L	15.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440020	Nickel	11.8	LJ	ug/L	40.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440097	Potassium	6060	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7782492	Selenium	35.0	U	ug/L	35.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440224	Silver	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440235	Sodium	402000	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440280	Thallium	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440622	Vanadium	54.0		ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A14	18572(S)	W	Field_Sample	01/10/2012	13:11:56	7440666	Zinc	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-29A
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7429905	Aluminum	200	U	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440382	Arsenic	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440393	Barium	200	U	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440439	Cadmium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440702	Calcium	5000	U	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440473	Chromium	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440484	Cobalt	50.0	U	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440508	Copper	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7439896	Iron	100	U	ug/L	100	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7439954	Magnesium	5000	U	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7439965	Manganese	15.0	U	ug/L	15.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440020	Nickel	40.0	U	ug/L	40.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440097	Potassium	5000	U	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440235	Sodium	5000	U	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440622	Vanadium	50.0	U	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A15	18573(S)	W	Field_Sample	01/10/2012	13:16:22	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-2
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7429905	Aluminum	137	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440360	Antimony	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440382	Arsenic	7.8	LJ	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440393	Barium	38.6	LJ	ug/L	200	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440417	Beryllium	5.0	U	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440439	Cadmium	0.37	LJ	ug/L	5.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440702	Calcium	204000		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440473	Chromium	126		ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440484	Cobalt	0.79	LJ	ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440508	Copper	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7439896	Iron	194		ug/L	100	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7439921	Lead	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7439954	Magnesium	43300		ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7439965	Manganese	45.5	J	ug/L	15.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440020	Nickel	3.2	LJ	ug/L	40.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440097	Potassium	6250	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7782492	Selenium	35.0	U	ug/L	35.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440224	Silver	10.0	U	ug/L	10.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440235	Sodium	297000	J	ug/L	5000	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440280	Thallium	25.0	U	ug/L	25.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440622	Vanadium	58.2		ug/L	50.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A
42114	MF5A00	MF5A16	18574(S)	W	Field_Sample	01/10/2012	13:20:30	7440666	Zinc	60.0	U	ug/L	60.0	01/04/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-26A

42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7429905	Aluminum	84.8	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440360	Antimony	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440382	Arsenic	4.5	LJ	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440393	Barium	108	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440417	Beryllium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440439	Cadmium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440702	Calcium	113000		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440473	Chromium	8.1	LJ	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440484	Cobalt	3.1	LJ	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440508	Copper	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7439896	Iron	337		ug/L	100	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7439921	Lead	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7439954	Magnesium	41100		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7439965	Manganese	741	J	ug/L	15.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440020	Nickel	21.9	LJ	ug/L	40.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440097	Potassium	7760	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7782492	Selenium	35.0	U	ug/L	35.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440224	Silver	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440235	Sodium	189000	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440280	Thallium	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440622	Vanadium	3.0	LJ	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A17	18575(S)	W	Field_Sample	01/10/2012	13:24:58	7440666	Zinc	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28B
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7429905	Aluminum	259		ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440360	Antimony	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440382	Arsenic	11.2		ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440393	Barium	35.2	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440417	Beryllium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440439	Cadmium	0.44	LJ	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440702	Calcium	184000		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440473	Chromium	202		ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440484	Cobalt	0.86	LJ	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440508	Copper	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7439896	Iron	249		ug/L	100	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7439921	Lead	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7439954	Magnesium	64200		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7439965	Manganese	43.4	J	ug/L	15.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440020	Nickel	5.2	LJ	ug/L	40.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440097	Potassium	4020	LJ	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7782492	Selenium	35.0	U	ug/L	35.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440224	Silver	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440235	Sodium	290000	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440280	Thallium	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440622	Vanadium	94.8		ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A18	18576(S)	W	Field_Sample	01/10/2012	13:29:08	7440666	Zinc	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-28A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7429905	Aluminum	200	U	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440360	Antimony	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440382	Arsenic	13.5		ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440393	Barium	34.5	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440417	Beryllium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440439	Cadmium	0.33	LJ	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440702	Calcium	225000		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440473	Chromium	958		ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440484	Cobalt	50.0	U	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440508	Copper	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7439896	Iron	100	U	ug/L	100	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7439921	Lead	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7439954	Magnesium	52600		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7439965	Manganese	2.1	LJ	ug/L	15.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440020	Nickel	5.7	LJ	ug/L	40.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440097	Potassium	5160	J-	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7782492	Selenium	35.0	U	ug/L	35.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440224	Silver	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440235	Sodium	395000	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440280	Thallium	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440622	Vanadium	94.1		ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A
42114	MF5A00	MF5A19	18577(S)	W	Field_Sample	01/10/2012	13:33:27	7440666	Zinc	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-31A

42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7429905	Aluminum	200	U	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440360	Antimony	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440382	Arsenic	7.1	LJ	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440393	Barium	42.2	LJ	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440417	Beryllium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440439	Cadmium	0.38	LJ	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440702	Calcium	182000		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440473	Chromium	499		ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440484	Cobalt	50.0	U	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440508	Copper	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7439896	Iron	100	U	ug/L	100	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7439921	Lead	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7439954	Magnesium	37100		ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7439965	Manganese	0.57	LJ	ug/L	15.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440020	Nickel	2.4	LJ	ug/L	40.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440097	Potassium	8250	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7782492	Selenium	35.0	U	ug/L	35.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440224	Silver	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440235	Sodium	247000	J	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440280	Thallium	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440622	Vanadium	58.1		ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A20	18578(S)	W	Field_Sample	01/10/2012	13:37:57	7440666	Zinc	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	WMW-27A
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7429905	Aluminum	200	U	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440360	Antimony	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440382	Arsenic	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440393	Barium	200	U	ug/L	200	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440417	Beryllium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440439	Cadmium	5.0	U	ug/L	5.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440702	Calcium	5000	U	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440473	Chromium	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440484	Cobalt	50.0	U	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440508	Copper	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7439896	Iron	100	U	ug/L	100	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7439921	Lead	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7439954	Magnesium	5000	U	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7439965	Manganese	15.0	U	ug/L	15.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440020	Nickel	40.0	U	ug/L	40.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440097	Potassium	5000	U	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7782492	Selenium	35.0	U	ug/L	35.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440224	Silver	10.0	U	ug/L	10.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440235	Sodium	5000	U	ug/L	5000	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440280	Thallium	25.0	U	ug/L	25.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440622	Vanadium	50.0	U	ug/L	50.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3
42114	MF5A00	MF5A23	18579(S)	W	Field_Sample	01/10/2012	13:50:54	7440666	Zinc	60.0	U	ug/L	60.0	01/05/2012	01/09/2012	01/06/2012	Low	0.0	50	50	P	ER-3

INORGANIC/ORGANIC COMPLETE SDG FILE (CSF) INVENTORY CHECKLIST

Case No. 42114 SDG No. MF5A00 SDG Nos. To Follow Mod. Ref. No. Date Rec 01/13/12

EPA Lab ID: SENTIN

Lab location: Huntsville, AL

Region: 6 Audit No.: 42114/MF5A00

Resubmitted CSF? Yes ____ No X

Box No(s): 1

COMMENTS:

Over for additional comments.

ORIGINALS	YES	NO	N/A
CUSTODY SEALS			
1. Present on package?	X		
2. Intact upon receipt?	X		
FORM DC-2			
3. Numbering scheme accurate?	X		
4. Are enclosed documents listed?	X		
5. Are listed documents enclosed?	X		
FORM DC-1			
6. Present?	X		
7. Complete?	X		
8. Accurate?	X		
TRAFFIC REPORT/CHAIN-OF-CUSTODY RECORD(s)			
9. Signed?	X		
10. Dated?	X		
AIRBILLS/AIRBILL STICKER			
11. Present?	X		
12. Signed?	X		
13. Dated?	X		
SAMPLE TAGS			
14. Does DC-1 list tags as being included?	X		
15. Present?	X		
OTHER DOCUMENTS			
16. Complete?	X		
17. Legible?	X		
18. Original?	X		
18a. If "NO", does the copy indicate where original documents are located?			X

Audited _____ Linda Hoffman/ESAT Data Reviewer Date 01/23/12

Audited _____ _____ Date _____

Signature Printed Name/Title

DC-2____

In Reference To Case No.:
42114 SDG: MF5A00 (I-0462)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Resubmission Request

Laboratory Name:	SENTIN
Lab Contact:	Beverly Kilgore
Region:	6
Regional Contact:	Raymond Flores - EPA
ESAT Reviewer:	Linda Hoffman - ESAT

In reference to data for the fraction(s):

ICP-AES

Summary of Questions/Issues:

On the Form 16 on page 47, values are recorded under the "Found" column for nickel, lead, and antimony and an "X" placed on the corresponding Form 13 for these same analytes. However, on associated raw data pages 89 and 90, there are no average values for these three analytes nor are there values for the standard deviations or %RSDs. Please submit the contract-required raw data for these three analytes that were reported.

NOTE: Any submitted laboratory resubmission should be clearly marked as "Additional Data" with a cover letter included describing what data is being delivered, which Case the data pertains, and who `1requested the data (ISM01.3, p. B-8, sec. 2.2.1). Custody seals are required for all such shipments.

Please respond to the above item **within 6 business days (ISM01.3, p. B-8, sec. 2.2)** by e-mail to Flores.Raymond@epa.gov and by regular mail to:

Mr. Raymond Flores
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact Mr. Flores at 281-983-2139.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 42114
DAS No:
R

Region:	6	Date Shipped:	1/4/2012	Chain of Custody Record	Sampler Signature: Bud Shirley
Project Code:	EP-W-06-004	Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	7930 5989 2663	1 Dwaine Beard 1-4-2012 1730	
CERCLIS ID:	TXN000606992	Shipped to:	Sentinel 4733 Commercial Drive Huntsville AL 35816 (256) 534-9800	2	
Spill ID:				3	
Site Name/State:	WCR 112 Ground Water Plume Site/TX			4	
Project Leader:	LUIS VEGA				
Action:	Remedial Investigation				
Sampling Co:	EA Engineering Science & Technology				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MF5A00	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499969 (HNO3) (1)	WMW-34B	S: 1/3/2012	16:00	F5A00	--
MF5A01	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499970 (HNO3) (1)	WMW-34B-D	S: 1/3/2012	16:00	F5A01	Field Duplicate
MF5A02	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499971 (HNO3) (1)	WMW-34A	S: 1/4/2012	9:15	F5A02	--
MF5A03	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499972 (HNO3) (1)	WMW-32B	S: 1/4/2012	10:46	F5A03	--
MF5A04	Deionized Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499973 (HNO3) (1)	ER-1	S: 1/3/2012	16:45	F5A04	Rinsate
MF5A05	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499974 (HNO3), 6-499975 (HNO3) (2)	WMW-33B	S: 1/4/2012	12:45	F5A05	--
MF5A10	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499978 (HNO3) (1)	WMW-32A	S: 1/4/2012	11:32	F5A10	--
MF5A11	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499979 (HNO3) (1)	WMW-24B	S: 1/4/2012	14:09	F5A11	--

Page 1 of 1

Shipment for Case Complete? N	Sample(s) to be used for laboratory QC: MF5A05	Additional Sampler Signature(s): Dwaine Beard	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM CLP = CLP Total Metals ISM01.3 / ICP-AES

TR Number: 6-271667327-010412-0003

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 42114
DAS No:
R

Region:	6	Date Shipped:	1/5/2012	Chain of Custody Record	Sampler Signature: Bud Shirley
Project Code:	EP-W-06-004	Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
Account Code:		Airbill:	7930 5989 4780	1 [illegible] 1-5-2012 1730	
CERCLIS ID:	TXN000606992	Shipped to:	Sentinel 4733 Commercial Drive Huntsville AL 35816 (256) 534-9800	2	
Spill ID:				3	
Site Name/State:	WCR 112 Ground Water Plume Site/TX			4	
Project Leader:	LUIS VEGA				
Action:	Remedial Investigation				
Sampling Co:	EA Engineering Science & Technology				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MF5A06	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499976 (HNO3) (1)	WMW-33A	S: 1/4/2012	14:20	F5A06	--
MF5A07	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499977 (HNO3) (1)	WMW-26B	S: 1/4/2012	15:53	F5A07	--
MF5A12	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499980 (HNO3) (1)	WMW-24A	S: 1/4/2012	15:05	F5A12	--
MF5A13	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499981 (HNO3) (1)	WMW-29B	S: 1/4/2012	16:18	F5A13	--
MF5A15	Deionized Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499983 (HNO3) (1)	ER-2	S: 1/4/2012	16:50	F5A15	Rinsate
MF5A16	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499984 (HNO3) (1)	WMW-26A	S: 1/4/2012	16:45	F5A16	--

Page 18 of 19

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): Dwaine Beard	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM CLP = CLP Total Metals ISM01.3 / ICP-AES

TR Number: 6-271667327-010512-0001

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

EPA USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 42114
DAS No:
R

Region:	6	Date Shipped:	1/5/2012	Chain of Custody Record	Sampler Signature:
Project Code: / Account Code:	EP-W-06-004	Carrier Name:	FedEx	Relinquished By (Date / Time)	Received By (Date / Time)
CERCLIS ID:	TXN000606992	Airbill:	7978 9034 7248	1 1-5-2012 1730	
Spill ID:		Shipped to:	Sentinel 4733 Commercial Drive Huntsville AL 35816 (256) 534-9800	2	
Site Name/State:	WCR 112 Ground Water Plume Site/TX			3	
Project Leader:	LUIS VEGA			4	
Action:	Remedial Investigation				
Sampling Co:	EA Engineering Science & Technology				

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	QC Type
MF5A14	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499982 (HNO3) (1)	WMW-29A	S: 1/5/2012	10:15	F5A14	--
MF5A17	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499985 (HNO3) (1)	WMW-28B	S: 1/5/2012	10:00	F5A17	--
MF5A18	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499986 (HNO3) (1)	WMW-28A	S: 1/5/2012	11:10	F5A18	--
MF5A19	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499987 (HNO3) (1)	WMW-31A	S: 1/5/2012	13:27	F5A19	--
MF5A20	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499988 (HNO3) (1)	WMW-27A	S: 1/5/2012	11:12	F5A20	--
MF5A23	Deionized Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499989 (HNO3) (1)	ER-3	S: 1/5/2012	11:50	F5A23	Rinsate

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): Dwaine Beard	Chain of Custody Seal Number:
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Shipment Iced? _____

TM CLP = CLP Total Metals ISM01.3 / ICP-AES

TR Number: 6-271667327-010512-0002

REGION COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.

Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

CONTRACT LABORATORY PROGRAM
COVER SHEET

ADDITIONAL OR DUPLICATE DATA SUBMISSION

(NOT TO USED FOR CCS RESPONSES)

Organic_____ Inorganic X Dioxin_____ Other_____

Lab Name: Severn Date: 1/25/12

Case: 42114 SDG: MR5A00

The attached data are being submitted to (check one):

All_____ CLASS_____ Region X EMSL-LV_____

For EPA Sample Nos. (enter only those to which these data apply):

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

_____ _____

These data supplement the data submitted on: 1/11/12
(State reasons for submission in the cover letter) Software anomaly corrected.

OR

These data are a duplicate submission, requested by (name, affiliation):

_____

Rec'd 4/24/12

In Reference To Case No.:
42114 SDG: MF5A00 (I-0462)

Contract Laboratory Program
REGIONAL/LABORATORY COMMUNICATION SYSTEM

Resubmission Request

Laboratory Name:	SENTIN
Lab Contact:	Beverly Kilgore
Region:	6
Regional Contact:	Raymond Flores - EPA
ESAT Reviewer:	Linda Hoffman - ESAT

In reference to data for the fraction(s):

ICP-AES

Summary of Questions/Issues:

On the Form 16 on page 47, values are recorded under the "Found" column for nickel, lead, and antimony and an "X" placed on the corresponding Form 13 for these same analytes. However, on associated raw data pages 89 and 90, there are no average values for these three analytes nor are there values for the standard deviations or %RSDs. Please submit the contract-required raw data for these three analytes that were reported.

NOTE: Any submitted laboratory resubmission should be clearly marked as "Additional Data" with a cover letter included describing what data is being delivered, which Case the data pertains, and who `1requested the data (ISM01.3, p. B-8, sec. 2.2.1). Custody seals are required for all such shipments.

Please respond to the above item **within 6 business days (ISM01.3, p. B-8, sec. 2.2)** by e-mail to Flores.Raymond@epa.gov and by regular mail to:

Mr. Raymond Flores
U.S. EPA Region 6 Laboratory
10625 Fallstone Road
Houston, TX 77099

If you have any questions, please contact Mr. Flores at 281-983-2139.

Distribution: (1) Lab Copy, (2) Region Copy, and (3) ESAT Copy

R6

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

LABORATORY NAME Sentinel, Inc.
CITY/STATE Huntsville, AL
CASE NO. 42114 SDG NO. MF5A00
SDG NOs. TO FOLLOW NA
MOD. REF. NO. NA
CONTRACT NO. EPW09040
SOW NO. ISM01.3

All documents delivered in the Complete SDG File must be original documents where possible. (Reference - Exhibit B Section 2.6)

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
1.	Inventory Sheet (DC-2)	1	2	✓	✓
2.	SDG Narrative	3	5	✓	✓
3.	Sample Log-In Sheet (DC-1)	6	7	✓	✓
4.	Traffic Report/Chain of Custody Record(s)	8	10	✓	✓
5.	Cover Page	11	11	✓	✓
Inorganic Analysis					
6.	Data Sheet (Form I-IN)	12	31	✓	✓
7.	Initial & Continuing Calibration Verification (Form IIA-IN)	32	33	✓	✓
8.	Blanks (Form III-IN)	34	34	✓	✓
9.	ICP-AES Interference Check Sample (Form IVA IN)	35	35	✓	✓
10.	ICP-MS Interference Check Sample (Form IVB IN)				
11.	Matrix Spike Sample Recovery (Form VA IN)	36	36	✓	✓
12.	Post-Digestion Spike Sample Recovery (Form VB IN)				
13.	Duplicates (Form VI-IN)	37	37	✓	✓
14.	Laboratory Control Sample (Form VII-IN)	38	38	✓	✓
15.	ICP-AES and ICP-MS Serial Dilutions (Form VIII-IN)	39	39	✓	✓
16.	Method Detection Limit (Annually) (Form IX-IN)	40	40	✓	✓
17.	ICP-AES Interelement Correction Factors (Annually) (Form XA-IN)	41	41	✓	✓
18.	ICP-AES Interelement Correction Factors (Annually) (Form XB-IN)	42	43	✓	✓
19.	Internal Standard Association (Form XI-IN)				
20.	Preparation Log (Form XII-IN)	44	44	✓	✓
21.	Analysis Run Log (Form XIII-IN)	45	46	✓	✓
22.	ICP-MS Tune (Form XIV-IN)				

VS 1.11.12

~~859~~ 881

FULL INORGANICS COMPLETE SDG FILE (CSF) INVENTORY SHEET

		PAGE NOs. FROM	PAGE NOs. TO	CHECK LAB	CHECK REGION
23.	ICP-MS Internal Standards Relative Intensity Summary (Form XV-IN)				
24.	Initial Calibration (Form XVI-IN)	47	49	✓	✓
25.	ICP-AES Raw Data	50	213	✓	✓
26.	ICP-MS Raw Data				
27.	Mercury Raw Data				
28.	Cyanide Raw Data				
29.	Preparation Logs Raw Data	214	214	✓	✓
30.	Percent Solids Determination Log				
31.	USEPA Shipping/Receiving Documents				
	Airbill (No. of Shipments 2)	215	217	✓	✓
	Sample Tags	218	224	✓	✓
	Sample Log-In Sheet (Lab)	225	225	✓	
32.	Misc. Shipping/Receiving Records (list all individual records)				
	Communication Logs	226	228	✓	✓
	Custody Seals				
	SDG Cover Page	229	229	✓	✓
33.	Internal Lab Sample Transfer Records & Tracking Sheets (describe or list)				
	SDG Tracking Report	230	230	✓	✓
34.	Internal Original Sample Prep & Analysis Records (describe or list)				
	Prep Records	231	237	✓	✓
	Analysis Records	238	238	✓	✓
	PE Instructions				
	Description				
35.	Other Records (describe or list)				
	Communication Logs				
	Detect Report	239	255	✓	✓

36. Comments:

Completed by (CLP Lab): (Signature) Virginia Sturgis (Print Name & Title) 1/11/12 (Date)

Audited by: ~~(USEPA)~~ ESAT (Signature) LINDA HOFFMAN / DATA REVIEWER (Print Name & Title) 01/23/12 (Date)

ISM01.2 (1/10) Form DC-2-2

VS 1.11.12

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002

U.S. EPA – CLP

SDG NARRATIVE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. SOW No.: ISM01.3 Contract:EPW09040

Lab Code: SENTIN Case No.: 42114 NRAS No.: SDG No.: MF5AØØ

SAMPLE RECEIPT: Temperature Blank: PRESENT ✓ ABSENT ____
If a blank is absent, a non-invasive laser measurement it taken using a sample.
Cooler temperature(s) recorded via laser measurement were: 2.3, Ø°C
Refer to Record of Communication (ROC) regarding EPA Sample # discrepancies for samples:
None

Refer to ROC regarding tag discrepancies for samples:
None

Refer to ROC regarding sample preservation discrepancies for samples:
None

Refer to ROC regarding:
None

QC Specified: Yes ✓ No ____ If no, chose: ____

ANALYSIS: The following analyte(s) were estimated due to possible matrix interferences:
E- Mn, K, Na

Target Analytes See Exhibit C Table 1

DOCUMENT CONTROL: The following invalid defects resulted due to CCS program anomalies:
Initial Assessment: None
Full Assessment: None

OTHER: 1. ICP-MS Mean Values in the raw data are incorrect due to TJA software anomalies.
2. Internal Standard calculations in the raw data are reported as the reciprocal values of the %RI (decimal form - not a percentage) with the control limits as stated in the SOW Exhibit D (ICP-MS) Section 12.10.

Signature: [signature]

Name & Title: Patricia Cardi Date: 1/11/12

VS 1.11.12
ØØ3 ~~BE1~~ ~~BE5~~

SDG NARRATIVE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. SOW No.: ISM01.3 Contract:EPW09040

Lab Code: SENTIN Case No.: 42114 NRAS No.: SDG No.: MFSA00

EQUATIONS:

AES LW 200.7 Method: Concentration (µg/L) = C x (V_f/V) x DF

WHERE, C = Instrument value in µg/L (The average of all replicate exposures)
V_f = Final digestion volume (mL)
V = Initial aliquot amount (mL)
DF = Dilution Factor

AES LS 3050B Method: Concentration (dry wt.) (mg/kg) = C x ((V_f /(W x S)) x DF / 1000

WHERE, C = Instrument Value in ug/L (The average of all replicate exposures)
V_f = Final sample volume in Liters (mL)
W = Initial aliquot amount (g)
S = % Solids/100
DF = Dilution Factor

AES Wipe/Filter Method: Mass (ug) = C x V_f x DF/1000

WHERE, C = Instrument Value in ug/L (The average of all replicate exposures)
V_f = Final digestion volume (mL)
DF = Dilutions Factor

MS LW 200.8 Method: Concentration (µg/L) = C x (V_f/V) x DF

WHERE, C = Instrument value in µg/L (The average of all replicate integrations)
V_f = Final digestion volume (50 mL)
V = Initial aliquot amount (50 mL)
DF = Dilution Factor

MS LS 3050B Method: Concentration (dry wt.) (mg/kg) = C x ((V_f /(W x S)) x DF / 1000

WHERE, C = Instrument Value in ug/L (The average of all replicate exposures)
V_f = Final sample volume in Liters (mL)
W = Initial aliquot amount (g)
S = % Solids/100
DF = Dilution Factor

Signature: [signature]

Name & Title: Bhagwe [illegible] Date: 1/11/12

PQ4 1/11/12 ~~BEP~~ ~~BEP~~

SDG NARRATIVE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Sentinel, Inc. SOW No.: ISM01.3 Contract:EPW09040

Lab Code: SENTIN Case No.: 42114 NRAS No.: SDG No.: MF5AØØ

EQUATIONS:

HG LW 7470A Method: Hg Concentration (µg/L) = C x DF

WHERE, C = Instrument response in µg/L Hg from the calibration curve
DF = Dilution Factor

HG LS 7471B Method: Hg Concentration (mg/kg) = (C x ((1/(W x S)) x DF x 0.1

WHERE, C = Instrument value in µg/L from the calibration curve
W = Initial aliquot amount (g)
S = % Solids/100
DF = Dilution Factor

CN LW Micro Distillation Method: CN Concentration (µg/L) = C x (V_f/V) x DF

WHERE, C = Instrument response in µg/L CN from the calibration curve
DF = Dilution factor
V_f = Final prepared volume (mL)
V = Initial aliquot amont (mL)

CN LS Micro Distillation Method: CN Concentration (mg/kg) = C x((V_f /(W x S)) x (1/1000) x DF

WHERE, C = Instrument response in µg/L CN from the calibration curve
DF = Dilution factor
V_f = Final prepared volume (mL)
S = % Solids/100
W = Initial aliquot amount (g)

Signature: [signature]

Name & Title: [signature]

Date: 1/11/12

ØØ5 1.11.12 ~~BES~~ ~~BAT~~

SAMPLE LOG-IN SHEET

Lab Name Sentinel		Page 1 of 2
Received By (Print Name) Saran Reeves		Log-in Date 01/05/2012
Received By (Signature) Saran Reeves		
Case Number 42114	Sample Delivery Group No. MF5A00	Mod. Ref. No. NA

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal Nos.	NA
3 Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	7930598926 63 ~~7930598947 80~~
6. Sample Tags Sample Tag Numbers	Present/Absent* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/ Leaking
8. Cooler Temperature Indicator Bottle	Present/Absent*
9. Cooler Temperature	2.3°C
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
11. Date Received at Lab	01/05/2012
12. Time Received	0933

SR 1/9/12

Sample Transfer	
Fraction All	Fraction
Area # Cooler	Area #
By TFY	By
On 1/5/12	On

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #		Remarks: Condition of Sample Shipment, etc.
1	MF5A00	<2	6-499969	18560		Ice Present
2	MF5A01	<2	6-499970	18561		
3	MF5A02	<2	6-499971	18562		
4	MF5A03	<2	6-499972	18563		
5	MF5A04	<2	6-499973	18564		
6	MF5A05	<2	6-499974,5	18565	QC	
7	MF5A10	<2	6-499978	18566		
8	MF5A11	<2	6-499979	18567		
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. 4
Date 1/11/12	Logbook Page No. 25

FORM DC-1 ISM01

VB 1-11-12

SAMPLE LOG-IN SHEET

Lab Name Sentinel		Page 2 of 2
Received By (Print Name) Sarah Reeves		Log-in Date 01/06/2012
Received By (Signature) Sarah Reeves		
Case Number 42114	Sample Delivery Group No. MF5A00	Mod. Ref. No. NA

Remarks:	
1. Custody Seal(s)	Present/Absent* Intact/Broken
2. Custody Seal Nos.	NA
3 Traffic Reports/Chain of Custody Records or Packing Lists	Present/Absent*
4. Airbill	Airbill/Sticker Present/Absent*
5. Airbill No.	7930598947800 7978903477248
6. Sample Tags Sample Tag Numbers	Present/Absent* Listed/Not Listed on Traffic Report/Chain of Custody Record
7. Sample Condition	Intact/Broken*/ Leaking
8. Cooler Temperature Indicator Bottle	Present/Absent*
9. Cooler Temperature	~~2.3~~ 0 °C
10. Does information on Traffic Reports/Chain of Custody Records and sample tags agree?	Yes/No*
11. Date Received at Lab	01/06/2012
12. Time Received	0932

SR 1/9/12

Sample Transfer	
Fraction All	Fraction
Area # Cooler	Area #
By TFY	By
On 1/6/12	On

	EPA Sample #	Aqueous/ Water Sample pH	Corresponding Sample Tag #	Corresponding Assigned Lab #	Remarks: Condition of Sample Shipment, etc.
1	MF5A06	<2	6-499980	18568	Ice Present
2	MF5A07	<2	6-499977	18569	
3	MF5A12	<2	6-499980	18570	
4	MF5A13	<2	6-499981	18571	
5	MF5A14	<2	6-499982	18572	
6	MF5A15	<2	6-499983	18573	
7	MF5A16	<2	6-499984	18574	
8	MF5A17	<2	6-499985	18575	
9	MF5A18	<2	6-499986	18576	
10	MF5A19	<2	6-499987	18577	
11	MF5A20	<2	6-499988	18578	
12	MF5A23	<2	6-499989	18579	
13					
14					
15					
16					
17					
18					
19					
20					
21					
22					

* Contact SMO and attach record of resolution

Reviewed By	Logbook No. 4
Date 1/11/12	Logbook Page No. 25

FORM DC-1

ISM01

007 1/11/12

~~006~~

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 42114
DAS No:
SDG No: MF5A00

L

Date Shipped:	1/4/2012
Carrier Name:	FedEx
Airbill:	7930 5989 2663
Shipped to:	Sentinel 4733 Commercial Drive Huntsville AL 35816 (256) 534-9800

Chain of Custody Record

Sampler Signature:

Relinquished By	(Date / Time)	Received By	(Date / Time)
1	1-4-2012 1730		1-5-12 0933
2			
3			
4			

For Lab Use Only

Lab Contract No: EPW09040
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF5A00	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499969 (HNO3) (1)	WMW-34B	S: 1/3/2012	16:00	F5A00	
MF5A01	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499970 (HNO3) (1)	WMW-34B-D	S: 1/3/2012	16:00	F5A01	
MF5A02	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499971 (HNO3) (1)	WMW-34A	S: 1/4/2012	9:15	F5A02	
MF5A03	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499972 (HNO3) (1)	WMW-32B	S: 1/4/2012	10:46	F5A03	
MF5A04	Deionized Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499973 (HNO3) (1)	ER-1	S: 1/3/2012	16:45	F5A04	
MF5A05	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499974 (HNO3), 6-499975 (HNO3) (2)	WMW-33B	S: 1/4/2012	12:45	F5A05	
MF5A10	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499978 (HNO3) (1)	WMW-32A	S: 1/4/2012	11:32	F5A10	
MF5A11	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499979 (HNO3) (1)	WMW-24B	S: 1/4/2012	14:09	F5A11	

Temp Blank = 2.3°C

Shipment for Case Complete ?N	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
	MF5A05	Dwaine Beard	2.3°C	Not

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? ✓ Shipment Iced? ✓

TM CLP = CLP Total Metals ISM01.3 / ICP-AES

TR Number: 6-271667327-010412-0003

LABORATORY COPY

TR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

VS 1-11-12

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 42114
DAS No:
SDG No: MF5A00

L

Date Shipped:	1/5/2012
Carrier Name:	FedEx
Airbill:	7930 5989 4780
Shipped to:	Sentinel 4733 Commercial Drive Huntsville AL 35816 (256) 534-9800

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
[signature]	1-5-2012 1730	V. Sturgis	1-6-12 0932
2			
3			
4			

For Lab Use Only

Lab Contract No: EPW09040
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF5A06	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499976 (HNO3) (1)	WMW-33A	S: 1/4/2012	14:20	F5A06	
MF5A07	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499977 (HNO3) (1)	WMW-26B	S: 1/4/2012	15:53	F5A07	
MF5A12	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499980 (HNO3) (1)	WMW-24A	S: 1/4/2012	15:05	F5A12	
MF5A13	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499981 (HNO3) (1)	WMW-29B	S: 1/4/2012	16:18	F5A13	
MF5A15	Deionized Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499983 (HNO3) (1)	ER-2	S: 1/4/2012	16:50	F5A15	
MF5A16	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499984 (HNO3) (1)	WMW-26A	S: 1/4/2012	16:45	F5A16	

Temp Blank: 0.0°C Ice Present

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s): Dwaine Beard	Cooler Temperature Upon Receipt: 0.0°C	Chain of Custody Seal Number: NA
Analysis Key:	Concentration: L = Low, M = Low/Medium, H = High	Type/Designate: Composite = C, Grab = G	Custody Seal Intact? Y	Shipment Iced? Y

TM CLP = CLP Total Metals ISM01.3 / ICP-AES

TR Number: 6-271667327-010512-0001

LABORATORY COPY

Pr provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

F2V5.1.047 Page 1 of 1

B.1.11.12

USEPA Contract Laboratory Program
Inorganic Traffic Report & Chain of Custody Record

Case No: 42114
DAS No:
SDG No: MF5A00

L

Date Shipped:	1/5/2012
Carrier Name:	FedEx
Airbill:	7978 9034 7248
Shipped to:	Sentinel 4733 Commercial Drive Huntsville AL 35816 (256) 534-9800

Chain of Custody Record

Sampler Signature: [signature]

Relinquished By	(Date / Time)	Received By	(Date / Time)
1 [signature]	1-5-2012 1730	V Stuart	1-6-12 0932
2			
3			
4			

For Lab Use Only

Lab Contract No: EPW09040
Unit Price:
Transfer To:
Lab Contract No:
Unit Price:

INORGANIC SAMPLE No.	MATRIX/ SAMPLER	CONC/ TYPE	ANALYSIS/ TURNAROUND	TAG No./ PRESERVATIVE/ Bottles	STATION LOCATION	SAMPLE COLLECT DATE/TIME		ORGANIC SAMPLE No.	FOR LAB USE ONLY Sample Condition On Receipt
MF5A14	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499982 (HNO3) (1)	WMW-29A	S: 1/5/2012	10:15	F5A14	
MF5A17	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499985 (HNO3) (1)	WMW-28B	S: 1/5/2012	10:00	F5A17	
MF5A18	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499986 (HNO3) (1)	WMW-28A	S: 1/5/2012	11:10	F5A18	
MF5A19	Ground Water/ BUD SHIRLEY	L/G	TM CLP (21)	6-499987 (HNO3) (1)	WMW-31A	S: 1/5/2012	13:27	F5A19	
MF5A20	Ground Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499988 (HNO3) (1)	WMW-27A	S: 1/5/2012	11:12	F5A20	
MF5A23	Deionized Water/ DWAINE BEARD	L/G	TM CLP (21)	6-499989 (HNO3) (1)	ER-3	S: 1/5/2012	11:50	F5A23	

Temp Blank: 00°C Ice Present

Shipment for Case Complete? Y	Sample(s) to be used for laboratory QC:	Additional Sampler Signature(s):	Cooler Temperature Upon Receipt:	Chain of Custody Seal Number:
		Dwaine Beard	00°C	NA

Analysis Key: Concentration: L = Low, M = Low/Medium, H = High Type/Designate: Composite = C, Grab = G

Custody Seal Intact? Y Shipment Iced? Y

TM CLP = CLP Total Metals ISM01.3 / ICP-AES

1/11/12

TR Number: 6-271667327-010512-0002

LABORATORY COPY

PR provides preliminary results. Requests for preliminary results will increase analytical costs.
Send Copy to: Sample Management Office, 15000 Conference Center Dr., Chantilly, VA. 20151-3819 Phone 703/818-4200; Fax 703/818-4602

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COVER PAGE

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

SOW No.: ISM01.3

EPA SAMPLE NO.	Lab Sample ID.
MF5A00	18560
MF5A01	18561
MF5A02	18562
MF5A03	18563
MF5A04	18564
MF5A05	18565
MF5A05D	18565S2
MF5A05S	18565MS
MF5A06	18568
MF5A07	18569
MF5A10	18566
MF5A11	18567
MF5A12	18570
MF5A13	18571
MF5A14	18572
MF5A15	18573
MF5A16	18574
MF5A17	18575
MF5A18	18576
MF5A19	18577
MF5A20	18578
MF5A23	18579

		ICP-AES	ICP-MS
Were ICP-AES and ICP-MS interelement corrections applied?	(Yes/No)	YES	
Were ICP-AES and ICP-MS background corrections applied?	(Yes/No)	YES	
If yes-were raw data generated before application of background corrections?	(Yes/No)	YES	

The laboratory did not receive any instructions with this SDG to modify the SOW standard laboratory sample preparation procedures (e.g., subsampling). To aid in the determination of data usability with respect to project decisions, any modifications performed are described below.

Comments:

I certify that this 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 hardcopy Sample Data Package and in the electronic data submitted has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Name: BHZiGWe

Date: 1/11/12 Title: QAM

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1A-IN
INORGANIC ANALYSIS DATA SHEET

EPA SAMPLE NO.

MF5A00

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18560

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	53.3	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	43.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	69500			P
7440-47-3	Chromium	4.6	J		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	3.9	J		P
7439-89-6	Iron	67.4	J		P
7439-92-1	Lead	1.6	J		P
7439-95-4	Magnesium	16900			P
7439-96-5	Manganese	33.2		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	7.4	J		P
7440-09-7	Potassium	5740		E	P
7782-49-2	Selenium	4.4	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	135000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	5.9	J		P
7440-66-6	Zinc	6.0	J		P
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.

MF5A01

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18561

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	65.9	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	46.5	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	70000			P
7440-47-3	Chromium	10.5			P
7440-48-4	Cobalt	0.95	J		P
7440-50-8	Copper	3.3	J		P
7439-89-6	Iron	107			P
7439-92-1	Lead	3.7	J		P
7439-95-4	Magnesium	17100			P
7439-96-5	Manganese	28.6		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	12.9	J		P
7440-09-7	Potassium	5790		E	P
7782-49-2	Selenium	7.4	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	137000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	6.0	J		P
7440-66-6	Zinc	5.8	J		P
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.

MF5A02

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18562

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	214			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	6.7	J		P
7440-39-3	Barium	52.2	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.22	J		P
7440-70-2	Calcium	255000			P
7440-47-3	Chromium	40.4			P
7440-48-4	Cobalt	1.8	J		P
7440-50-8	Copper	3.2	J		P
7439-89-6	Iron	220			P
7439-92-1	Lead	2.7	J		P
7439-95-4	Magnesium	35900			P
7439-96-5	Manganese	24.9		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	27.4	J		P
7440-09-7	Potassium	8390		E	P
7782-49-2	Selenium	14.7	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	296000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	39.4	J		P
7440-66-6	Zinc	11.4	J		P
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.

MF5A03

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18563

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	153	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	4.2	J		P
7440-39-3	Barium	45.7	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	92200			P
7440-47-3	Chromium	21.9			P
7440-48-4	Cobalt	1.2	J		P
7440-50-8	Copper	4.1	J		P
7439-89-6	Iron	273			P
7439-92-1	Lead	3.8	J		P
7439-95-4	Magnesium	19600			P
7439-96-5	Manganese	287		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	23.6	J		P
7440-09-7	Potassium	5450		E	P
7782-49-2	Selenium	5.5	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	152000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	6.4	J		P
7440-66-6	Zinc	6.6	J		P
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.

MF5A04

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18564

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	1.6	J		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U	E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5000	U	E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	1.5	J		P
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.

MF5A05

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18565

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	4.1	J		P
7440-39-3	Barium	58.5	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	98900			P
7440-47-3	Chromium	10.9			P
7440-48-4	Cobalt	0.58	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	112			P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	21200			P
7439-96-5	Manganese	16.9		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	30.3	J		P
7440-09-7	Potassium	5940		E	P
7782-49-2	Selenium	7.4	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	154000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	11.2	J		P
7440-66-6	Zinc	27.6	J		P
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.

MF5A06

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18568

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	80.6	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	6.7	J		P
7440-39-3	Barium	42.3	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.60	J		P
7440-70-2	Calcium	241000			P
7440-47-3	Chromium	153			P
7440-48-4	Cobalt	0.63	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	70.8	J		P
7439-92-1	Lead	3.4	J		P
7439-95-4	Magnesium	37200			P
7439-96-5	Manganese	10.7	J	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	7.5	J		P
7440-09-7	Potassium	6680		E	P
7782-49-2	Selenium	16.0	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	269000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	41.2	J		P
7440-66-6	Zinc	4.8	J		P
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.

MF5A07

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18569

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	73.8	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	61.7	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.28	J		P
7440-70-2	Calcium	89000			P
7440-47-3	Chromium	7.4	J		P
7440-48-4	Cobalt	2.2	J		P
7440-50-8	Copper	3.3	J		P
7439-89-6	Iron	111			P
7439-92-1	Lead	2.2	J		P
7439-95-4	Magnesium	31300			P
7439-96-5	Manganese	148		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	20.7	J		P
7440-09-7	Potassium	7920		E	P
7782-49-2	Selenium	5.1	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	192000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	6.0	J		P
7440-66-6	Zinc	7.2	J		P
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.

MF5A10

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18566

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	263			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	9.6	J		P
7440-39-3	Barium	66.7	J		P
7440-41-7	Beryllium	0.19	J		P
7440-43-9	Cadmium	0.40	J		P
7440-70-2	Calcium	244000			P
7440-47-3	Chromium	370			P
7440-48-4	Cobalt	0.89	J		P
7440-50-8	Copper	4.4	J		P
7439-89-6	Iron	523			P
7439-92-1	Lead	3.8	J		P
7439-95-4	Magnesium	39900			P
7439-96-5	Manganese	196		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	8.1	J		P
7440-09-7	Potassium	7400		E	P
7782-49-2	Selenium	19.0	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	277000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	39.2	J		P
7440-66-6	Zinc	7.6	J		P
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.

MF5A11

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18567

% Solids: Date Received: 01/05/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	202			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	6.3	J		P
7440-39-3	Barium	112	J		P
7440-41-7	Beryllium	0.19	J		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	102000			P
7440-47-3	Chromium	14.1			P
7440-48-4	Cobalt	2.4	J		P
7440-50-8	Copper	5.1	J		P
7439-89-6	Iron	459			P
7439-92-1	Lead	3.3	J		P
7439-95-4	Magnesium	35500			P
7439-96-5	Manganese	586		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	17.9	J		P
7440-09-7	Potassium	8160		E	P
7782-49-2	Selenium	3.7	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	198000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	3.1	J		P
7440-66-6	Zinc	6.9	J		P
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.

MF5A12

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18570

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	93.2	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	6.9	J		P
7440-39-3	Barium	35.6	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.43	J		P
7440-70-2	Calcium	178000			P
7440-47-3	Chromium	157			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	4.8	J		P
7439-89-6	Iron	92.7	J		P
7439-92-1	Lead	1.5	J		P
7439-95-4	Magnesium	33700			P
7439-96-5	Manganese	14.7	J	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.2	J		P
7440-09-7	Potassium	10300		E	P
7782-49-2	Selenium	10.9	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	247000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	73.1			P
7440-66-6	Zinc	13.6	J		P
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.

MF5A13

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18571

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	444			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	54.7	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	91800			P
7440-47-3	Chromium	39.5			P
7440-48-4	Cobalt	4.1	J		P
7440-50-8	Copper	12.9	J		P
7439-89-6	Iron	555			P
7439-92-1	Lead	3.5	J		P
7439-95-4	Magnesium	23600			P
7439-96-5	Manganese	138		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	40.7			P
7440-09-7	Potassium	6220		E	P
7782-49-2	Selenium	8.9	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	127000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	11.6	J		P
7440-66-6	Zinc	14.5	J		P
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.

MF5A14

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18572

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	70.0	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	7.9	J		P
7440-39-3	Barium	40.0	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.47	J		P
7440-70-2	Calcium	211000			P
7440-47-3	Chromium	269			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	9.4	J		P
7439-89-6	Iron	153			P
7439-92-1	Lead	3.5	J		P
7439-95-4	Magnesium	49700			P
7439-96-5	Manganese	24.8		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	11.8	J		P
7440-09-7	Potassium	6060		E	P
7782-49-2	Selenium	9.7	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	402000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	54.0			P
7440-66-6	Zinc	28.2	J		P
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.

MF5A15

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18573

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	100	U		P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U	E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5000	U	E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	1.5	J		P
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.

MF5A16

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18574

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	137	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	7.8	J		P
7440-39-3	Barium	38.6	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.37	J		P
7440-70-2	Calcium	204000			P
7440-47-3	Chromium	126			P
7440-48-4	Cobalt	0.79	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	194			P
7439-92-1	Lead	3.8	J		P
7439-95-4	Magnesium	43300			P
7439-96-5	Manganese	45.5		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	3.2	J		P
7440-09-7	Potassium	6250		E	P
7782-49-2	Selenium	12.4	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	297000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	58.2			P
7440-66-6	Zinc	4.6	J		P
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.

MF5A17

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18575

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	84.8	J		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	4.5	J		P
7440-39-3	Barium	108	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	113000			P
7440-47-3	Chromium	8.1	J		P
7440-48-4	Cobalt	3.1	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	337			P
7439-92-1	Lead	2.5	J		P
7439-95-4	Magnesium	41100			P
7439-96-5	Manganese	741		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	21.9	J		P
7440-09-7	Potassium	7760		E	P
7782-49-2	Selenium	4.2	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	189000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	3.0	J		P
7440-66-6	Zinc	5.7	J		P
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.

MF5A18

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18576

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	259			P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	11.2			P
7440-39-3	Barium	35.2	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.44	J		P
7440-70-2	Calcium	184000			P
7440-47-3	Chromium	202			P
7440-48-4	Cobalt	0.86	J		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	249			P
7439-92-1	Lead	4.9	J		P
7439-95-4	Magnesium	64200			P
7439-96-5	Manganese	43.4		E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.2	J		P
7440-09-7	Potassium	4020	J	E	P
7782-49-2	Selenium	11.4	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	290000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	94.8			P
7440-66-6	Zinc	6.0	J		P
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.

MF5A19

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18577

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	13.5			P
7440-39-3	Barium	34.5	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.33	J		P
7440-70-2	Calcium	225000			P
7440-47-3	Chromium	958			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	26.2	J		P
7439-92-1	Lead	3.0	J		P
7439-95-4	Magnesium	52600			P
7439-96-5	Manganese	2.1	J	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	5.7	J		P
7440-09-7	Potassium	5160		E	P
7782-49-2	Selenium	15.0	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	395000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	94.1			P
7440-66-6	Zinc	3.7	J		P
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.

MF5A20

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18578

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	7.1	J		P
7440-39-3	Barium	42.2	J		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	0.38	J		P
7440-70-2	Calcium	182000			P
7440-47-3	Chromium	499			P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	6.9	J		P
7439-92-1	Lead	3.7	J		P
7439-95-4	Magnesium	37100			P
7439-96-5	Manganese	0.57	J	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	2.4	J		P
7440-09-7	Potassium	8250		E	P
7782-49-2	Selenium	12.8	J		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	247000		E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	58.1			P
7440-66-6	Zinc	1.8	J		P
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.

MF5A23

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: (soil/water) WATER Lab Sample ID: 18579

% Solids: Date Received: 01/06/2012

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

CAS No.	Analyte	Concentration	C	Q	M
7429-90-5	Aluminum	200	U		P
7440-36-0	Antimony	60.0	U		P
7440-38-2	Arsenic	10.0	U		P
7440-39-3	Barium	200	U		P
7440-41-7	Beryllium	5.0	U		P
7440-43-9	Cadmium	5.0	U		P
7440-70-2	Calcium	5000	U		P
7440-47-3	Chromium	10.0	U		P
7440-48-4	Cobalt	50.0	U		P
7440-50-8	Copper	25.0	U		P
7439-89-6	Iron	6.1	J		P
7439-92-1	Lead	10.0	U		P
7439-95-4	Magnesium	5000	U		P
7439-96-5	Manganese	15.0	U	E	P
7439-97-6	Mercury				NR
7440-02-0	Nickel	40.0	U		P
7440-09-7	Potassium	5000	U	E	P
7782-49-2	Selenium	35.0	U		P
7440-22-4	Silver	10.0	U		P
7440-23-5	Sodium	5000	U	E	P
7440-28-0	Thallium	25.0	U		P
7440-62-2	Vanadium	50.0	U		P
7440-66-6	Zinc	1.4	J		P
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 Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Initial Calibration Verification Source: USEPA 0307

Continuing Calibration Verification Source: INOR-VEN

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R(1)	Continuing Calibration Verification True	Found	%R(1)	Found	%R(1)	M
Aluminum	2520	2430	96.0	250000	253000	101	258000	103	P
Antimony	994	961	97.0	5000	4950	99.0	4980	100	P
Arsenic	999	999	100	5000	4940	99.0	4900	98.0	P
Barium	497	494	99.0	5000	5090	102	5070	101	P
Beryllium	495	495	100	500	521	104	523	105	P
Cadmium	496	499	101	2500	2490	100	2520	101	P
Calcium	10000	10300	102	250000	258000	103	258000	103	P
Chromium	490	497	101	5000	4970	99.0	4940	99.0	P
Cobalt	499	505	101	5000	4990	100	5030	101	P
Copper	492	496	101	5000	4990	100	5020	100	P
Iron	5080	5130	101	250000	251000	101	250000	100	P
Lead	1000	1040	104	5000	4950	99.0	4930	99.0	P
Magnesium	6070	5800	96.0	250000	257000	103	256000	102	P
Manganese	499	485	97.0	5000	4970	99.0	5110	102	P
Mercury									NR
Nickel	503	508	101	5000	5020	100	5110	102	P
Potassium	10000	9240	92.0	250000	261000	104	261000	104	P
Selenium	1030	994	97.0	5000	5020	100	5090	102	P
Silver	501	501	100	500	500	100	492	98.0	P
Sodium	10100	9460	94.0	250000	253000	101	247000	99.0	P
Thallium	1030	1050	102	5000	5010	100	5120	102	P
Vanadium	501	495	99.0	5000	4960	99.0	5030	101	P
Zinc	1030	1070	104	5000	5030	101	5060	101	P
Cyanide									NR

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

USEPA - CLP

2A-IN
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Initial Calibration Verification Source:

Continuing Calibration Verification Source: INOR-VEN

Concentration Units: ug/L

Analyte	Initial Calibration Verification True	Found	%R(1)	Continuing Calibration Verification True	Found	%R(1)	Found	%R(1)	M
Aluminum				250000	258000	103			P
Antimony				5000	4980	100			P
Arsenic				5000	4920	98.0			P
Barium				5000	5030	101			P
Beryllium				500	519	104			P
Cadmium				2500	2520	101			P
Calcium				250000	257000	103			P
Chromium				5000	4910	98.0			P
Cobalt				5000	5020	100			P
Copper				5000	5010	100			P
Iron				250000	247000	99.0			P
Lead				5000	4920	98.0			P
Magnesium				250000	252000	101			P
Manganese				5000	5030	101			P
Mercury									NR
Nickel				5000	5100	102			P
Potassium				250000	258000	103			P
Selenium				5000	5100	102			P
Silver				500	490	98.0			P
Sodium				250000	243000	97.0			P
Thallium				5000	5110	102			P
Vanadium				5000	4990	100			P
Zinc				5000	5060	101			P
Cyanide									NR

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

USEPA - CLP

3-IN
BLANKS

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Preparation Blank Matrix (soil/water/wipe/filter): WATER

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

Analyte	Initial Calibration Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Aluminum	200	U	200	U	200	U	200	U	200	U	P
Antimony	-3.2	J	60.0	U	3.2	J	60.0	U	60.0	U	P
Arsenic	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Barium	200	U	200	U	200	U	200	U	200	U	P
Beryllium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Cadmium	5.0	U	5.0	U	5.0	U	5.0	U	5.0	U	P
Calcium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Chromium	10.0	U	10.0	U	10.0	U	10.0	U	10.0	U	P
Cobalt	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	P
Copper	25.0	U	25.0	U	25.0	U	25.0	U	25.0	U	P
Iron	100	U	6.1	J	11.7	J	9.2	J	100	U	P
Lead	10.0	U	10.0	U	1.4	J	1.7	J	10.0	U	P
Magnesium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Manganese	15.0	U	15.0	U	15.0	U	15.0	U	15.0	U	P
Mercury											NR
Nickel	40.0	U	40.0	U	40.0	U	40.0	U	40.0	U	P
Potassium	-460	J	5000	U	-330	J	-240	J	-860	J	P
Selenium	35.0	U	35.0	U	3.2	J	2.7	J	3.1	J	P
Silver	-6.3	J	-6.9	J	-7.9	J	-8.6	J	-6.3	J	P
Sodium	5000	U	5000	U	5000	U	5000	U	5000	U	P
Thallium	25.0	U	3.1	J	25.0	U	25.0	U	25.0	U	P
Vanadium	50.0	U	50.0	U	50.0	U	50.0	U	50.0	U	P
Zinc	60.0	U	60.0	U	60.0	U	60.0	U	2.4	J	P
Cyanide											NR

USEPA - CLP

4A-IN
ICP-AES INTERFERENCE CHECK SAMPLE

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0

ICS Source: EPA 1206
ICSB Source: EPA 0203

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Found Sol. A	%R	Found Sol. AB	%R
Aluminum	244000	241000	254000	104	251000	104
Antimony	0	589	-3.1		601	102
Arsenic	0	101	-3.6		99.1	98
Barium	2.0	495	2.1	105	514	104
Beryllium	0	475	0.77		525	111
Cadmium	0	940	1.1		1020	109
Calcium	235000	231000	263000	112	263000	114
Chromium	43.0	511	45.5	106	547	107
Cobalt	4.0	461	4.7	118	513	111
Copper	23.0	548	33.6	146	531	97
Iron	95600	94800	104000	109	105000	111
Lead	10.0	61.0	10.4	104	63.1	103
Magnesium	248000	251000	260000	105	263000	105
Manganese	19.0	502	25.6	135	530	106
Nickel	21.0	984	23.0	110	1060	108
Potassium	0	0	846		-963	
Selenium	0	53.0	6.0		56.3	106
Silver	0	206	-5.5		218	106
Sodium	0	0	2050		955	
Thallium	0	103	3.0		110	107
Vanadium	0	494	1.3		503	102
Zinc	28.0	1030	28.5	102	1080	105

USEPA - CLP

5A-IN
MATRIX SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MF5A05S

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: WATER

% Solids for Sample:

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	75-125	2070		200	U	2000	104		P
Antimony	75-125	98.4		60.0	U	100	98		P
Arsenic	75-125	43.5		4.1	J	40.0	99		P
Barium	75-125	2130		58.5	J	2000	104		P
Beryllium	75-125	53.9		5.0	U	50.0	108		P
Cadmium	75-125	52.3		5.0	U	50.0	105		P
Calcium									NR
Chromium	75-125	218		10.9		200	104		P
Cobalt	75-125	531		0.58	J	500	106		P
Copper	75-125	256		25.0	U	250	102		P
Iron	75-125	1190		112		1000	108		P
Lead	75-125	24.0		10.0	U	20.0	120		P
Magnesium									NR
Manganese	75-125	531		16.9		500	103		P
Mercury									NR
Nickel	75-125	565		30.3	J	500	107		P
Potassium									NR
Selenium	75-125	60.9		7.4	J	50.0	107		P
Silver	75-125	47.8		10.0	U	50.0	96		P
Sodium									NR
Thallium	75-125	50.9		25.0	U	50.0	102		P
Vanadium	75-125	535		11.2	J	500	105		P
Zinc	75-125	595		27.6	J	500	113		P
Cyanide									NR

Comments:

USEPA - CLP

6-IN
DUPLICATES

EPA SAMPLE NO.

MF5A05D

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: WATER

% Solids for Sample:

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Aluminum		200	U	200	U			P
Antimony		60.0	U	60.0	U			P
Arsenic		4.1	J	10.0	U	200		P
Barium		58.5	J	58.2	J	1		P
Beryllium		5.0	U	5.0	U			P
Cadmium		5.0	U	5.0	U			P
Calcium		98900		99600		1		P
Chromium	10.0	10.9		11.2		3		P
Cobalt		0.58	J	50.0	U	200		P
Copper		25.0	U	25.0	U			P
Iron	100.0	112		118		5		P
Lead		10.0	U	3.1	J	200		P
Magnesium	5000.0	21200		21400		1		P
Manganese	15.0	16.9		16.9		0		P
Mercury								NR
Nickel		30.3	J	30.2	J	0		P
Potassium	5000.0	5940		5930		0		P
Selenium		7.4	J	7.1	J	4		P
Silver		10.0	U	10.0	U			P
Sodium		154000		155000		1		P
Thallium		25.0	U	25.0	U			P
Vanadium		11.2	J	11.3	J	1		P
Zinc		27.6	J	27.1	J	2		P
Cyanide								NR

USEPA - CLP

7-IN
LABORATORY CONTROL SAMPLE

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Analyte	Aqueous/Water (ug/L), Soil/Sediment (mg/kg), Wipe/Filter (ug)					
	True		Found		%R	
Aluminum	400	ug/L	398	ug/L	100	
Antimony	120	ug/L	121	ug/L	101	
Arsenic	20.0	ug/L	24.4	ug/L	122	
Barium	400	ug/L	429	ug/L	107	
Beryllium	10.0	ug/L	11.1	ug/L	111	
Cadmium	10.0	ug/L	10.7	ug/L	107	
Calcium	10000	ug/L	11300	ug/L	113	
Chromium	20.0	ug/L	22.1	ug/L	111	
Cobalt	100	ug/L	110	ug/L	110	
Copper	50.0	ug/L	54.7	ug/L	109	
Iron	200	ug/L	230	ug/L	115	
Lead	20.0	ug/L	23.1	ug/L	116	
Magnesium	10000	ug/L	10700	ug/L	107	
Manganese	30.0	ug/L	32.4	ug/L	108	
Mercury						
Nickel	80.0	ug/L	88.8	ug/L	111	
Potassium	10000	ug/L	9190	ug/L	92	
Selenium	70.0	ug/L	76.3	ug/L	109	
Silver	20.0	ug/L	15.7	ug/L	79	
Sodium	10000	ug/L	10200	ug/L	102	
Thallium	50.0	ug/L	53.3	ug/L	107	
Vanadium	100	ug/L	109	ug/L	109	
Zinc	120	ug/L	141	ug/L	118	
Cyanide						

USEPA - CLP

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

EPA SAMPLE NO.

MF5A05L

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Matrix: WATER

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

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Aluminum	200	U	1000	U			P
Antimony	60.0	U	300	U			P
Arsenic	4.1	J	50.0	U	100		P
Barium	58.5	J	60.3	J	3		P
Beryllium	5.0	U	25.0	U			P
Cadmium	5.0	U	25.0	U			P
Calcium	98900		89700		9		P
Chromium	10.9		11.2	J	3		P
Cobalt	0.58	J	250	U	100		P
Copper	25.0	U	125	U			P
Iron	112		104	J	7		P
Lead	10.0	U	50.0	U			P
Magnesium	21200		19100	J	10		P
Manganese	16.9		15.1	J	11	E	P
Nickel	30.3	J	28.9	J	5		P
Potassium	5940		724	J	88	E	P
Selenium	7.4	J	175	U	100		P
Silver	10.0	U	50.0	U			P
Sodium	154000		135000		12	E	P
Thallium	25.0	U	125	U			P
Vanadium	11.2	J	10	J	11		P
Zinc	27.6	J	27.9	J	1		P

USEPA - CLP

9-IN
METHOD DETECTION LIMIT (ANNUALLY)

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Instrument Type: P Instrument ID: P0 Date: 09/13/2011

Preparation Method: 200.7

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

Analyte	Wavelength /Mass	MDL
Aluminum	396	49.5
Antimony	207	2.9
Arsenic	189	3.3
Barium	455	5.8
Beryllium	313	0.17
Cadmium	229	0.21
Calcium	318	155
Chromium	268	0.50
Cobalt	229	0.53
Copper	220	2.9
Iron	260	5.8
Lead	220	1.4
Magnesium	279	131
Manganese	258	0.22
Mercury		
Nickel	232	0.50
Potassium	767	90.3
Selenium	196	2.7
Silver	328	0.93
Sodium	589	242
Thallium	191	2.1
Vanadium	292	0.96
Zinc	206	0.62
Cyanide		

Comments:
P0: ICP 61E TRACE ANALYZER

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0 Date: 09/28/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co
Aluminum	396	0	0	0	0	0
Antimony	207	0.000023	0	0.000013	0	0
Arsenic	189	0	-0.000040	0	0	0
Barium	455	0	0	0	0	0
Beryllium	313	0	0	0	0	0
Cadmium	229	0	0	0	0	0
Calcium	318	0	0	0	0	0
Chromium	268	0	0	0	0	0
Cobalt	229	0	0	0	0	0
Copper	220	-0.00011	0	0	-0.0000030	0
Iron	260	0	0	0	0	0
Lead	220	-0.00014	-0.0000060	0.0000060	0	0
Magnesium	279	0	0	0	0	0
Manganese	258	0	0	-0.0000010	0	0
Nickel	232	0	0	0	0	0
Potassium	767	0	0	0	0	0
Selenium	196	0	-0.0000090	-0.00015	0	0
Silver	328	0	0	-0.00030	0	0
Sodium	589	0	0	0	0	0
Thallium	191	0	0	0	0	0.0033
Vanadium	292	0	0	0	0	0
Zinc	206	0.000013	0	0	0	0

Comments:

USEPA - CLP

10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0 Date: 09/28/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cr	Cu	Mn	Ni	V
Aluminum	396	0	0	0	0	0
Antimony	207	0.010	0	0	0	0.00058
Arsenic	189	-0.0084	0	0	0.00011	-0.000061
Barium	455	0	0	0	0	0
Beryllium	313	0	0	0	0	0
Cadmium	229	0	0	0	0	0
Calcium	318	0	0	0	0	0
Chromium	268	0	0	0.00044	0	0
Cobalt	229	0	0	0	0	0
Copper	220	0	0	-0.000014	0	0.0013
Iron	260	0	0	0	0	0
Lead	220	-0.00027	0.00089	0	0	0
Magnesium	279	0	0	0	0	0
Manganese	258	0	0	0	0	0
Nickel	232	0	0	0	0	0
Potassium	767	0	0	0	0	0
Selenium	196	0	0	0	0	0
Silver	328	0	0	0	0	0
Sodium	589	0	0	0	0	0
Thallium	191	0	0	0.0013	0	-0.039
Vanadium	292	0	0	0	0	0
Zinc	206	0.00067	0	0	0	0

Comments:

USEPA - CLP

10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0 Date: 09/28/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn	__	__	__	__
Aluminum	396	0				
Antimony	207	0				
Arsenic	189	0				
Barium	455	0				
Beryllium	313	0				
Cadmium	229	0				
Calcium	318	0				
Chromium	268	0				
Cobalt	229	0				
Copper	220	0.00031				
Iron	260	0				
Lead	220	0				
Magnesium	279	0				
Manganese	258	0				
Nickel	232	0				
Potassium	767	0				
Selenium	196	0				
Silver	328	0				
Sodium	589	0				
Thallium	191	0				
Vanadium	292	0				
Zinc	206	0				

Comments:

USEPA - CLP

12-IN
PREPARATION LOG

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Preparation Method: 200.7

EPA Sample No.	Preparation Date	Initial Weight/Volume (g) or (mL)	Final Volume (mL)
LCS1	01/09/2012	50 mL	50
MF5A00	01/09/2012	50 mL	50
MF5A01	01/09/2012	50 mL	50
MF5A02	01/09/2012	50 mL	50
MF5A03	01/09/2012	50 mL	50
MF5A04	01/09/2012	50 mL	50
MF5A05	01/09/2012	50 mL	50
MF5A05D	01/09/2012	50 mL	50
MF5A05S	01/09/2012	50 mL	50
MF5A06	01/09/2012	50 mL	50
MF5A07	01/09/2012	50 mL	50
MF5A10	01/09/2012	50 mL	50
MF5A11	01/09/2012	50 mL	50
MF5A12	01/09/2012	50 mL	50
MF5A13	01/09/2012	50 mL	50
MF5A14	01/09/2012	50 mL	50
MF5A15	01/09/2012	50 mL	50
MF5A16	01/09/2012	50 mL	50
MF5A17	01/09/2012	50 mL	50
MF5A18	01/09/2012	50 mL	50
MF5A19	01/09/2012	50 mL	50
MF5A20	01/09/2012	50 mL	50
MF5A23	01/09/2012	50 mL	50
PBW1	01/09/2012	50 mL	50

USEPA - CLP

13-IN
ANALYSIS RUN LOG

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Instrument ID: P0 Analysis Method: P

Start date: 01/10/2012 End date: 01/10/2012

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
S0	1.0	1055	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.0	1059	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.0	1103	X	X	_	X	_	X	X	_	X	_	_	X	X	X	_	X	_	X	X	_	X	X	_	_
S	1.0	1107	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.0	1112	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.0	1116	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
S	1.0	1120	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ZZZZZZ	0	1125	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
ICV	1.0	1129	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICB	1.0	1133	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSA	1.0	1138	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
ICSAB	1.0	1142	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV1	1.0	1146	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB1	1.0	1151	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
PBW1	1.0	1155	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
LCS1	1.0	1159	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A05L	5.0	1203	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A05	1.0	1208	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A05D	1.0	1212	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A05S	1.0	1216	X	X	X	X	X	X	_	X	X	X	X	X	_	X	_	X	_	X	X	_	X	X	X	_
MF5A05A	1.0	1220	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_	_
MF5A00	1.0	1224	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A01	1.0	1229	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A02	1.0	1233	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A03	1.0	1237	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A04	1.0	1241	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A10	1.0	1246	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A11	1.0	1250	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A06	1.0	1254	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A07	1.0	1259	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A12	1.0	1303	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A13	1.0	1307	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A14	1.0	1311	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

FORM XIII-IN ISM01.3 (8/11)

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13-IN
ANALYSIS RUN LOG

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

Instrument ID: P0 Analysis Method: P

Start date: 01/10/2012 End date: 01/10/2012

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
MF5A15	1.0	1316	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A16	1.0	1320	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A17	1.0	1324	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A18	1.0	1329	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A19	1.0	1333	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A20	1.0	1337	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV2	1.0	1342	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB2	1.0	1346	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
MF5A23	1.0	1350	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCV3	1.0	1355	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_
CCB3	1.0	1359	X	X	X	X	X	X	X	X	X	X	X	X	X	X	_	X	X	X	X	X	X	X	X	_

FORM XIII-IN ISM01.3 (8/11)

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0 Start date: 01/10/2012

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	0	.0018		200.0	200	0	2521.0	2520	0
Antimony	0	.0017		60.0	60.2	0	994.0	994	0
Arsenic	0	0		10.0	10.0	-1	0	986	
Barium	0	-.045		200.0	221	-11	497.0	524	-5
Beryllium	0	-.0010		5.0	5.5	-11			
Cadmium	0	-.00030		5.0	5.2	-4	496.0	494	0
Calcium	0	-1.6		5000.0	5790	-16	10026	10700	-7
Chromium	0	-.0013		10.0	10.7	-7			
Cobalt	0	-.0060		50.0	53.3	-7	499.0	502	-1
Copper	0	-.0024		25.0	26.1	-4			
Iron	0	-.026		100.0	115	-15	0	5320	
Lead	0	-.0029		10.0	11.8	-18	1002.0	1000	0
Magnesium	0	-.23		5000.0	5340	-7	6074.0	5980	2
Manganese	0	.00030		15.0	14.9	0	500.0	483	3
Mercury									
Nickel	0	-.0048		40.0	42.6	-7	503.0	503	0
Potassium	0	-.62		5000.0	4940	1			
Selenium	0	-.00090		35.0	35.9	-3	1029.0	981	5
Silver	0	.0015		10.0	7.4	26	501.0	502	0
Sodium	0	-.17		5000.0	5200	-4			
Thallium	0	-.0032		25.0	26.1	-4	1028.0	1040	-1
Vanadium	0	-.0036		50.0	51.8	-4	501.0	497	1
Zinc	0	-.013		60.0	67.1	-12			
Cyanide									

Control Limits 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0 Start date: 01/10/2012

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	62500	61800	1	125000	125000	0	250000	251000	0
Antimony	1250.0	1260	-1	2500.0	2510	0	5000.0	4950	1
Arsenic	1250.0	1280	-2	2500.0	2520	-1	5000.0	4970	1
Barium	1250.0	1290	-3	2500.0	2600	-4	5000.0	5100	-2
Beryllium	125.0	131	-5	250.0	263	-5	500.0	511	-2
Cadmium	625.0	639	-2	1250.0	1260	-1	2500.0	2480	1
Calcium	62500	65700	-5	125000	132000	-5	250000	252000	-1
Chromium	1250.0	1300	-4	2500.0	2590	-4	5000.0	5000	0
Cobalt	1250.0	1300	-4	2500.0	2560	-2	5000.0	4960	1
Copper	1250.0	1300	-4	2500.0	2560	-2	5000.0	4970	1
Iron	62500	64500	-3	125000	130000	-4	250000	249000	0
Lead	1250.0	1320	-6	2500.0	2580	-3	5000.0	4980	0
Magnesium	62500	61700	1	125000	126000	-1	250000	250000	0
Manganese	1250.0	1260	-1	2500.0	2550	-2	5000.0	4930	1
Mercury									
Nickel	1250.0	1300	-4	2500.0	2570	-3	5000.0	4960	1
Potassium	62500	67300	-8	125000	133000	-7	250000	260000	-4
Selenium	1250.0	1290	-3	2500.0	2560	-2	5000.0	4960	1
Silver	125.0	123	2	250.0	255	-2	500.0	500	0
Sodium	62500	61700	1	125000	126000	-1	250000	249000	0
Thallium	1250.0	1310	-5	2500.0	2590	-4	5000.0	4970	1
Vanadium	1250.0	1290	-3	2500.0	2570	-3	5000.0	4970	1
Zinc	1250.0	1330	-7	2500.0	2600	-4	5000.0	5010	0
Cyanide									

Control Limits 30%

USEPA - CLP

16-IN
INITIAL CALIBRATION

Lab Name: Sentinel Contract: EPW09040

Lab Code: SENTIN Case No.: 42114 Mod. Ref. No. SDG No.: MF5A00

ICP-AES Instrument ID: P0 Start date: 01/10/2012

Concentration Units: ug/L

Analyte	True	Found	%D	True	Found	%D	True	Found	%D
Aluminum	500000	500000	0						
Antimony	10000	10100	-1						
Arsenic	10000	9990	0						
Barium	10000	9710	3						
Beryllium	1000.0	970	3						
Cadmium	5000.0	5000	0						
Calcium	500000	487000	3						
Chromium	10000	9860	1						
Cobalt	10000	9920	1						
Copper	10000	9920	1						
Iron	500000	494000	1						
Lead	10000	9840	2						
Magnesium	500000	500000	0						
Manganese	10000	10000	0						
Mercury									
Nickel	10000	9910	1						
Potassium	500000	477000	5						
Selenium	10000	9990	0						
Silver	1000.0	999	0						
Sodium	500000	501000	0						
Thallium	10000	9860	1						
Vanadium	10000	9920	1						
Zinc	10000	9800	2						
Cyanide									

Control Limits 30%

Sentinel, Inc. **Sample Analysis**

ICP-AES RUN LOG

SDG:	MF5A00
CASE NO.:	42114
EPA RUN#	__1___
EPA BATCH#	__1___
PREP METHOD:	200.7
AN. METHOD:	P
MATRIX:	LW
SOURCE:	CAL Stds See Standards Log
SOURCE:	INIT. CAL VER ICV1 0307
DATE PREP.	See Standards Log
PREPARER:	RR

VALID DATA for: For All Analytes

ANALYST: RR

INSTRUMENT ID: **P0**
RUN ID: **P0-12011001**

RUN START DATE: **01/10/12** RUN START TIME: **1055**
RUN END DATE: **01/10/12** RUN END TIME: **1359**

Data Reviewed By:

1/11/12

Analyst Date

Data Reviewed By:

1/11/12

Supervisor Date

Sample Name: S0 Acquired: 1/10/2012 10:55:18 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0024**	**-.00053**	**.0000**	**.0124**	**.0000**	**.00574**
Stddev	.0002	.00023	.0001	.0003	.000	.00014
%RSD	8.209	43.295	737.2	2.669	181.4	2.4301
#1	-.0026	-.00027	-.0001	.0123	.0000	.00586
#2	-.0024	-.00072	.0000	.0122	.0000	.00559
#3	-.0022	-.00060	.0001	.0128	.0000	.00575

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0007**	**-.0001**	**.0000**	**.0000**	**.00016**	**.01780**
Stddev	.0002	.0000	.0000	.000	.00008	.00027
%RSD	27.38	52.64	178.5	65.07	49.076	1.4891
#1	-.0007	.0000	.0000	.0000	.00013	.01793
#2	-.0005	-.0001	.0000	.0000	.00010	.01797
#3	-.0009	-.0001	.0000	.0000	.00025	.01749

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.00001**	**-.0001**	**-.00293**	**-.0003**	**.0003**	**.0007**
Stddev	.00003	.0000	.00042	.0001	.0000	.0000
%RSD	384.75	21.77	14.325	24.67	9.532	5.609
#1	-.00001	-.0001	-.00323	-.0004	.0003	.0007
#2	-.00004	-.0001	-.00312	-.0002	.0004	.0007
#3	.00002	-.0001	-.00245	-.0003	.0003	.0006

Sample Name: S0 Acquired: 1/10/2012 10:55:18 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S0

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0001**	**.0001**	**-.0002**	**.0012**
Stddev	.0000	.0001	.0000	.0000
%RSD	34.52	56.33	15.06	3.847
#1	.0001	.0001	-.0002	.0012
#2	.0001	.0000	-.0002	.0012
#3	.0001	.0002	-.0002	.0012

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**22267.**	**412360.**	**43378.**
Stddev	436.	40433.	90.
%RSD	1.9579	9.8054	.20833
#1	22050.	391290.	43388.
#2	22769.	386800.	43463.
#3	21982.	458970.	43283.

Sample Name: S1 Acquired: 1/10/2012 10:59:38 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**-.0021**	**.00221**	**.0002**	**.1324**	**.0113**	**.25465**
Stddev	.0001	.00018	.0001	.0138	.0013	.02683
%RSD	5.213	8.0033	41.17	10.44	11.46	10.538
#1	-.0020	.00211	.0002	.1247	.0106	.23945
#2	-.0022	.00212	.0002	.1241	.0105	.23886
#3	-.0021	.00242	.0001	.1483	.0128	.28563

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0015**	**.0119**	**.0005**	**.0001**	**.00384**	**.07295**
Stddev	.0001	.0001	.0000	.0000	.00035	.00601
%RSD	4.762	.4733	5.139	3.484	8.9972	8.2390
#1	.0015	.0119	.0005	.0001	.00358	.06955
#2	.0016	.0119	.0005	.0001	.00369	.06941
#3	.0015	.0118	.0005	.0001	.00423	.07989

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.03578**	**.0038**	**.13888**	**.0138**	**.0011**	**.0029**
Stddev	.00393	.0002	.01353	.0002	.0001	.0001
%RSD	10.974	4.207	9.7442	1.158	9.900	2.314
#1	.03361	.0036	.13130	.0138	.0012	.0029
#2	.03341	.0039	.13083	.0140	.0011	.0030
#3	.04031	.0039	.15451	.0136	.0010	.0028

Sample Name: S1 Acquired: 1/10/2012 10:59:38 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0010**	**.0013**	**.0022**	**.0195**
Stddev	.0000	.0000	.0001	.0001
%RSD	1.616	1.820	4.310	.4840
#1	.0010	.0013	.0021	.0196
#2	.0010	.0013	.0023	.0195
#3	.0010	.0013	.0022	.0194

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**22099.**	**396500.**	**41201.**
Stddev	20.	16412.	2653.
%RSD	.09059	4.1393	6.4390
#1	22100.	415440.	42635.
#2	22118.	386470.	42828.
#3	22078.	387580.	38140.

Sample Name: S1A Acquired: 1/10/2012 11:03:47 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag3280	Al3961	As1890	Ba4554	Ca3179	Cd2288
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	317.933 {106}	228.802 {447}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0183**	**.03398**	s **.0150**	**.2964**	s **.46611**	s **.2072**
Stddev	.0001	.00412	.0005	.0323	.05137	.0073
%RSD	.7965	12.125	3.523	10.91	11.021	3.517
#1	.0184	.03866	.0153	.3330	.52398	.2115
#2	.0182	.03090	s .0144	.2717	s .42591	s .1988
#3	.0184	.03239	.0152	.2845	.44843	.2114

Elem	Co2286	Fe2599	Mg2790	Mn2576	Ni2316	Pb2203
Line	228.616 {447}	259.940 {130}	279.079 {121}	257.610 {131}	231.604 {446}	220.353 {453}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1126**	s **.16986**	s **.04006**	s **.1266**	**.1665**	**.0698**
Stddev	.0041	.01975	.00457	.0007	.0061	.0025
%RSD	3.630	11.626	11.397	.5344	3.685	3.517
#1	.1151	.19214	.04521	.1271	.1704	.0712
#2	.1079	s .15451	s .03651	s .1258	.1595	.0669
#3	.1148	.16293	.03847	.1268	.1698	.0712

Elem	Sb2068	Se1960	Tl1908	V_2924
Line	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0360**	**.0257**	**.0499**	**.0227**
Stddev	.0012	.0008	.0018	.0001
%RSD	3.203	3.195	3.542	.5658
#1	.0366	.0262	.0512	.0228
#2	.0346	.0247	.0479	.0226
#3	.0367	.0261	.0506	.0228

Sample Name: S1A Acquired: 1/10/2012 11:03:47 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	390870.	41608.
Stddev	-----	2113.	3095.
%RSD	-----	.54049	7.4393
#1	21862.	390400.	38138.
#2	^ -----	393180.	44085.
#3	21827.	389040.	42601.

Sample Name: S2 Acquired: 1/10/2012 11:07:53 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0026**	**.83971**	**.0192**	**.7133**	**.2672**	**2.8308**
Stddev	.0001	.00101	.0001	.0003	.0006	.0022
%RSD	2.217	.12027	.5858	.0436	.2224	.07707
#1	.0026	.83982	.0191	.7130	.2667	2.8327
#2	.0026	.83864	.0193	.7133	.2672	2.8284
#3	.0025	.84066	.0193	.7136	.2679	2.8312

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2684**	**.2913**	**.0592**	**.0029**	**2.0577**	**.76879**
Stddev	.0003	.0003	.0003	.0000	.0029	.00039
%RSD	.1123	.1013	.4756	.7564	.14333	.05082
#1	.2681	.2910	.0588	.0029	2.0567	.76911
#2	.2687	.2916	.0593	.0030	2.0554	.76890
#3	.2684	.2914	.0594	.0030	2.0610	.76836

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.40942**	**.3294**	**1.6577**	**.4304**	**.0881**	**.0480**
Stddev	.00074	.0016	.0037	.0005	.0004	.0000
%RSD	.17976	.4978	.22324	.1256	.4378	.0785
#1	.40886	.3275	1.6541	.4306	.0877	.0480
#2	.40915	.3302	1.6615	.4307	.0883	.0480
#3	.41025	.3305	1.6576	.4297	.0884	.0480

Sample Name: S2 Acquired: 1/10/2012 11:07:53 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0336**	**.0618**	**.0592**	**.3643**
Stddev	.0000	.0000	.0003	.0007
%RSD	.1141	.0560	.5106	.1808
#1	.0336	.0618	.0589	.3635
#2	.0336	.0618	.0592	.3647
#3	.0335	.0618	.0595	.3647

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21900.**	**390040.**	**42590.**
Stddev	53.	1812.	153.
%RSD	.24075	.46459	.35834
#1	21882.	392130.	42624.
#2	21959.	388840.	42424.
#3	21858.	389160.	42723.

Sample Name: S3 Acquired: 1/10/2012 11:12:01 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0080**	**1.6838**	**.0380**	**1.422**	**.5364**	**5.6633**
Stddev	.0000	.0021	.0001	.003	.0026	.0120
%RSD	.2998	.12447	.2795	.1991	.4895	.21223
#1	.0080	1.6829	.0380	1.420	.5341	5.6524
#2	.0080	1.6862	.0379	1.425	.5393	5.6762
#3	.0080	1.6823	.0381	1.422	.5359	5.6614

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.5319**	**.5743**	**.1179**	**.0058**	**4.1385**	**1.5039**
Stddev	.0018	.0022	.0002	.0000	.0215	.0054
%RSD	.3436	.3775	.1394	.3727	.51967	.35735
#1	.5298	.5718	.1179	.0058	4.1156	1.5013
#2	.5325	.5754	.1181	.0058	4.1583	1.5101
#3	.5333	.5757	.1178	.0058	4.1415	1.5003

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.82381**	**.6608**	**3.3378**	**.8509**	**.1717**	**.0946**
Stddev	.00431	.0015	.0165	.0031	.0006	.0004
%RSD	.52265	.2330	.49447	.3693	.3456	.4264
#1	.81949	.6599	3.3233	.8474	.1713	.0942
#2	.82810	.6625	3.3558	.8534	.1715	.0946
#3	.82385	.6599	3.3343	.8520	.1724	.0950

Sample Name: S3 Acquired: 1/10/2012 11:12:01 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0663**	**.1216**	**.1184**	**.7091**
Stddev	.0001	.0003	.0002	.0025
%RSD	.1364	.2201	.2032	.3515
#1	.0662	.1213	.1183	.7064
#2	.0663	.1218	.1187	.7094
#3	.0664	.1216	.1182	.7114

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21574.**	**387540.**	**42398.**
Stddev	74.	2376.	248.
%RSD	.34225	.61299	.58441
#1	21656.	387560.	42666.
#2	21512.	385160.	42177.
#3	21555.	389910.	42350.

Sample Name: S4 Acquired: 1/10/2012 11:16:10 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0182**	**3.3139**	**.0749**	**2.775**	**1.043**	**10.829**
Stddev	.0000	.0109	.0010	.008	.002	.065
%RSD	.0714	.32848	1.395	.2972	.2259	.59603
#1	.0182	3.3253	.0757	2.766	1.045	10.806
#2	.0182	3.3128	.0752	2.776	1.042	10.779
#3	.0182	3.3036	.0737	2.782	1.041	10.902

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.042**	**1.114**	**.2274**	**.0113**	**7.9323**	**2.9214**
Stddev	.012	.012	.0007	.0002	.1089	.0093
%RSD	1.148	1.113	.3159	1.371	1.3729	.31824
#1	1.049	1.121	.2281	.0114	8.0413	2.9320
#2	1.049	1.121	.2274	.0114	7.8235	2.9148
#3	1.028	1.100	.2266	.0111	7.9320	2.9175

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**1.6021**	**1.260**	**6.3868**	**1.642**	**.3311**	**.1859**
Stddev	.0023	.004	.0253	.017	.0041	.0023
%RSD	.14155	.2819	.39650	1.008	1.233	1.216
#1	1.6043	1.262	6.3898	1.650	.3338	.1873
#2	1.5997	1.262	6.3601	1.652	.3331	.1872
#3	1.6022	1.256	6.4105	1.622	.3264	.1833

Sample Name: S4 Acquired: 1/10/2012 11:16:10 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.1287**	**.2334**	**.2293**	**1.363**
Stddev	.0014	.0025	.0011	.016
%RSD	1.113	1.050	.4650	1.176
#1	.1294	.2355	.2300	1.373
#2	.1296	.2341	.2298	1.372
#3	.1270	.2307	.2280	1.345

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21437.**	**386500.**	**42248.**
Stddev	95.	2372.	294.
%RSD	.44342	.61360	.69517
#1	21377.	384640.	42015.
#2	21386.	385680.	42578.
#3	21546.	389170.	42152.

Sample Name: S5 Acquired: 1/10/2012 11:20:53 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.0398**	**6.3303**	**.1506**	**5.276**	**1.979**	**20.920**
Stddev	.0001	.6882	.0003	.542	.210	1.152
%RSD	.1735	10.871	.2056	10.27	10.63	5.5050
#1	.0398	6.7329	.1506	5.602	2.100	21.568
#2	.0397	5.5357	.1502	4.651	1.736	19.591
#3	.0398	6.7224	.1509	5.576	2.101	21.602

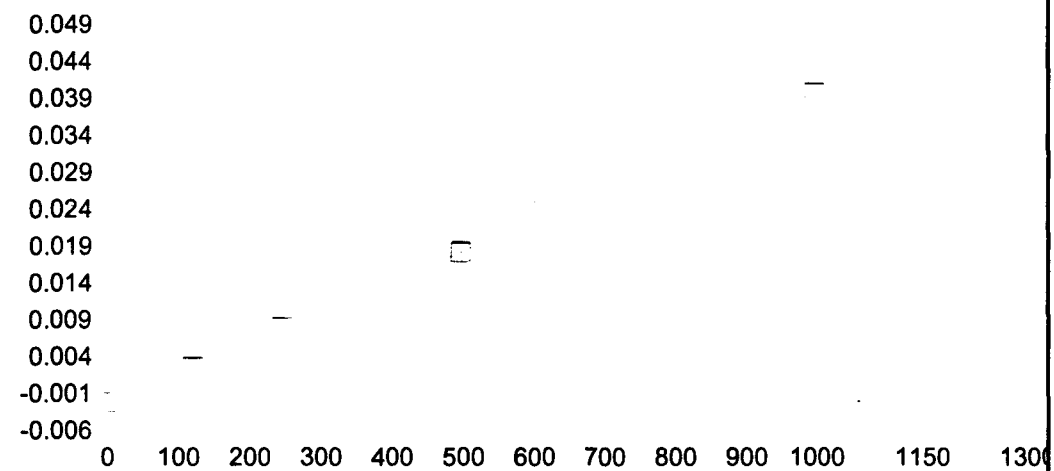
Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**2.103**	**2.226**	**.4481**	**.0225**	**15.753**	**5.3421**
Stddev	.006	.006	.0003	.0001	.223	.4764
%RSD	.2867	.2764	.0590	.3563	1.4143	8.9176
#1	2.098	2.223	.4484	.0226	15.632	5.6240
#2	2.101	2.222	.4479	.0225	16.010	4.7921
#3	2.110	2.233	.4480	.0225	15.618	5.6103

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**3.0573**	**2.480**	**11.997**	**3.281**	**.6538**	**.3778**
Stddev	.3215	.005	1.281	.012	.0012	.0013
%RSD	10.515	.2225	10.681	.3608	.1809	.3361
#1	3.2410	2.484	12.733	3.273	.6536	.3768
#2	2.6861	2.474	10.517	3.275	.6528	.3773
#3	3.2449	2.483	12.741	3.294	.6551	.3792

Sample Name: S5 Acquired: 1/10/2012 11:20:53 Type: Cal
Method: clp1.3(v57) Mode: IR Corr. Factor: 1.000000
User: admin Custom ID1: Custom ID2: Custom ID3:
Comment: S

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	Cts/S	Cts/S	Cts/S	Cts/S
Avg	**.2588**	**.4626**	**.4578**	**2.666**
Stddev	.0006	.0023	.0003	.007
%RSD	.2414	.5002	.0552	.2576
#1	.2583	.4600	.4578	2.661
#2	.2587	.4630	.4576	2.663
#3	.2595	.4646	.4581	2.674

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**20682.**	**377290.**	**43192.**
Stddev	62.	1227.	2846.
%RSD	.30113	.32508	6.5897
#1	20727.	375990.	41729.
#2	20708.	378430.	46472.
#3	20611.	377450.	41374.

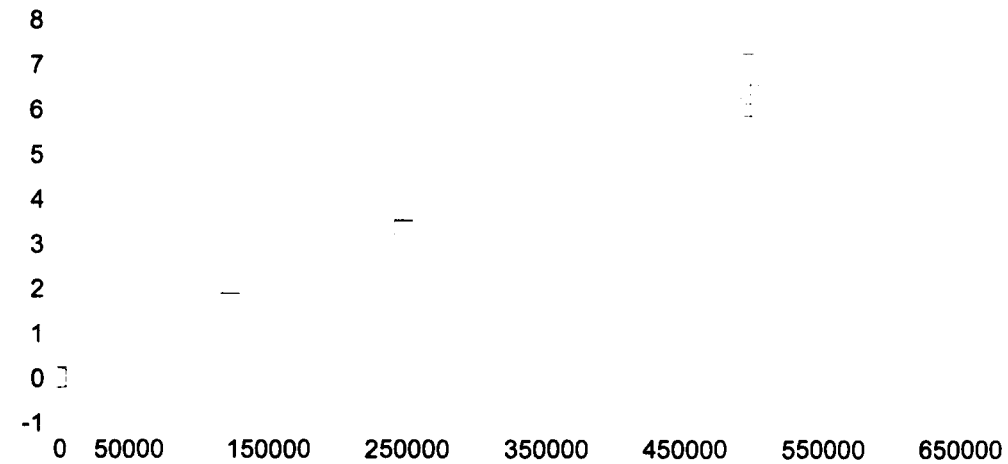


Ag 328.068 {103}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	-0.002389	Re-Slope:	1.000000
A1 (Gain):	0.000040	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999845	Status:	Warning Positive Curvature
Std Error of Est:	0.000018		
MDL:	1.331119		
MQL:	4.437063		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00252	.003	.000	-.00239	.000	1
S1	10.000	7.4357	-2.56	-25.6	-.00209	.000	1
S2	125.00	123.12	-1.88	-1.50	.00260	.000	1
S3	250.00	254.74	4.74	1.90	.00799	.000	1
S4	500.00	499.98	-.016	-.003	.01823	.000	1
S5	1000.0	998.62	-1.38	-.138	.03977	.000	1
S1A	501.00	502.08	1.08	.216	.01832	.000	1



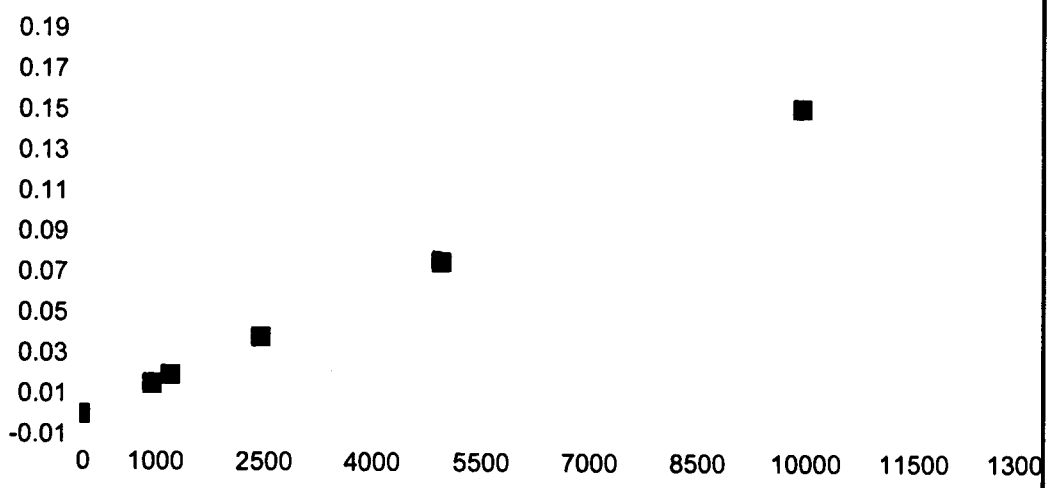
Al 396.152 { 85}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	-0.000530	Re-Slope:	1.000000
A1 (Gain):	0.000014	Y-int:	0.000000

A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		
Correlation:	0.999993	Status:	OK.
Std Error of Est:	0.000024		
MDL:	5.296020		
MQL:	17.653399		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00188	.002	.000	-.00053	.000	1
S5	500000.	499450.	-550.	-.110	6.3303	.688	1
S1	200.00	199.94	-.058	-.029	.00221	.000	1
S2	62500.	61801.	-699.	-1.12	.83971	.001	1
S3	125000.	125110.	113.	.090	1.6838	.002	1
S4	250000.	251140.	1140.	.455	3.3139	.011	1
S1A	2521.0	2515.2	-5.75	-.228	.03398	.004	1

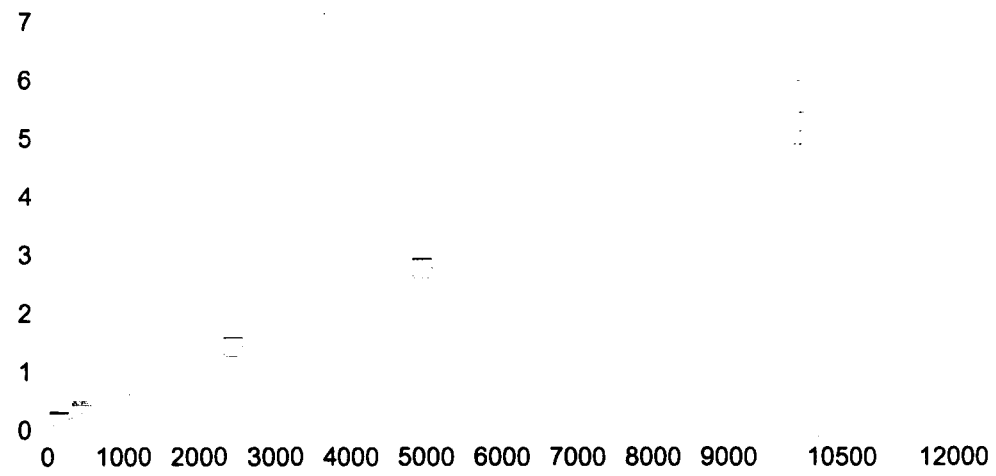


As 189.042 {478}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000008	Re-Slope:	1.000000
A1 (Gain):	0.000015	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999970	Status:	OK.
Std Error of Est:	0.000007		
MDL:	1.439390		
MQL:	4.797966		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00015	.000	.000	.00001	.000	1
S5	10000.	9992.6	-7.39	-.074	.15056	.000	1
S1	10.000	10.041	.041	.406	.00016	.000	1
S2	1250.0	1276.8	26.8	2.14	.01925	.000	1
S3	2500.0	2523.6	23.6	.945	.03803	.000	1
S4	5000.0	4970.2	-29.8	-.597	.07489	.001	1
S1A	999.00	985.91	-13.1	-1.31	.01499	.001	1

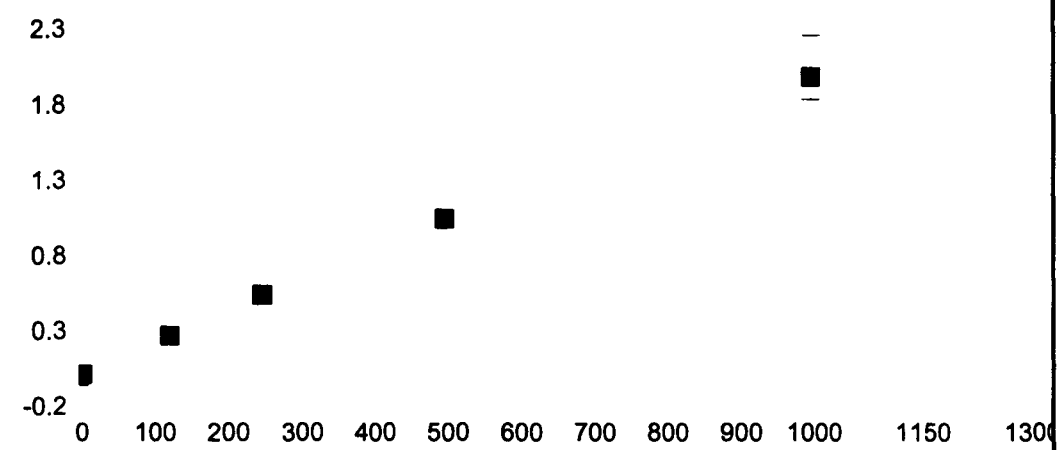


Ba 455.403 { 74}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.012423	Re-Slope:	1.000000
A1 (Gain):	0.000542	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999500	Status:	OK.
Std Error of Est:	0.001069		
MDL:	5.916982		
MQL:	19.723273		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.04514	-.045	.000	.01240	.000	1
S5	10000.	9711.6	-288.	-2.88	5.2764	.542	1
S1	200.00	221.27	21.3	10.6	.13236	.014	1
S2	1250.0	1293.1	43.1	3.44	.71329	.000	1
S3	2500.0	2600.9	101.	4.03	1.4222	.003	1
S4	5000.0	5096.3	96.3	1.93	2.7747	.008	1
S1A	497.00	523.91	26.9	5.41	.29640	.032	1



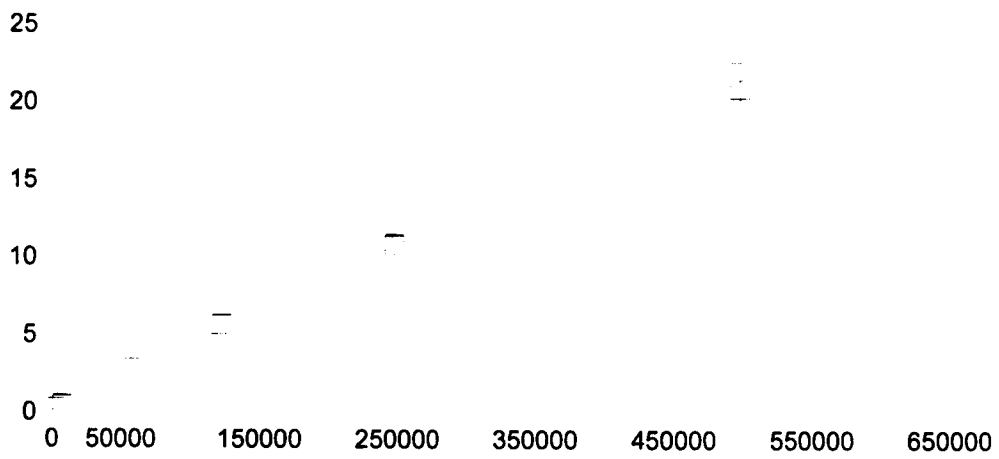
Be 313.042 {108}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000017	Re-Slope:	1.000000
A1 (Gain):	0.002038	Y-int:	0.000000
A2 (Curvature):	0.000000		

n (Exponent):	1.000000		
Correlation:	0.999425	Status:	OK.
Std Error of Est:	0.001501		
MDL:	2.210045		
MQL:	7.366815		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00100	-.001	.000	-.00002	.000	1
S5	1000.0	969.63	-30.4	-3.04	1.9790	.210	1
S1	5.0000	5.5469	.547	10.9	.01130	.001	1
S2	125.00	130.96	5.96	4.77	.26724	.001	1
S3	250.00	262.87	12.9	5.15	.53644	.003	1
S4	500.00	510.98	11.0	2.20	1.0428	.002	1

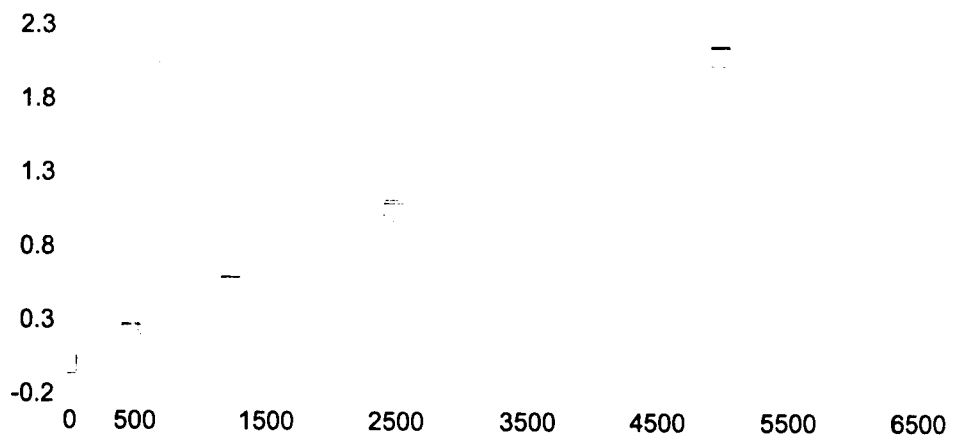


Ca 317.933 {106}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.005802	Re-Slope:	1.000000
A1 (Gain):	0.000043	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999442	Status:	OK.
Std Error of Est:	0.000626		
MDL:	43.737956		
MQL:	145.793185		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-1.5646	-1.56	.000	.00574	.000	1
S5	500000.	486730.	-13300.	-2.65	20.920	1.15	1
S1	5000.0	5791.2	791.	15.8	.25465	.027	1
S2	62500.	65744.	3240.	5.19	2.8308	.002	1
S3	125000.	131660.	6660.	5.33	5.6633	.012	1
S4	250000.	251890.	1890.	.754	10.829	.065	1
S1A	10026.	10712.	686.	6.85	.46611	.051	1

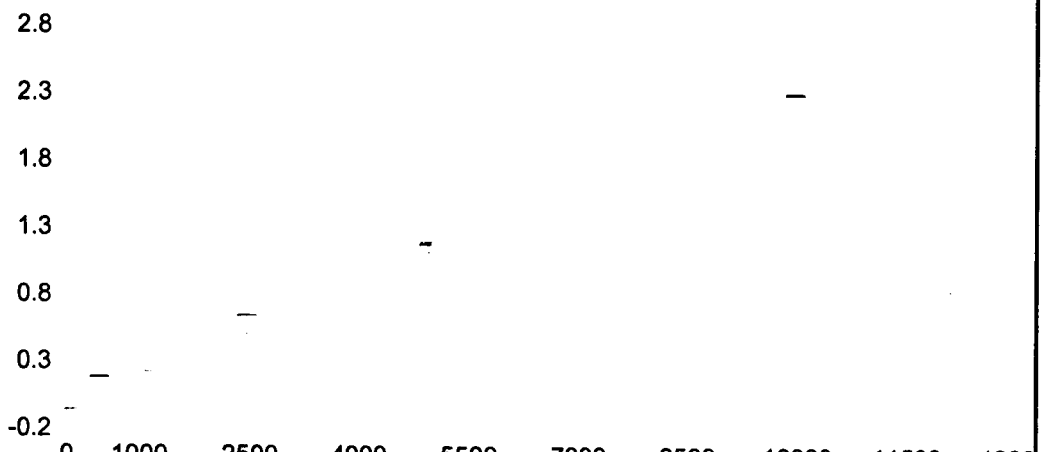


Cd 228.802 {447}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000663	Re-Slope:	1.000000
A1 (Gain):	0.000421	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999962	Status:	OK.
Std Error of Est:	0.000162		
MDL:	1.155715		
MQL:	3.852384		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00031	.000	.000	-.00066	.000	1
S5	5000.0	4996.6	-3.39	-.068	2.1029	.006	1
S1	5.0000	5.2103	.210	4.21	.00153	.000	1
S2	625.00	639.14	14.1	2.26	.26841	.000	1
S3	1250.0	1264.9	14.9	1.19	.53185	.002	1
S4	2500.0	2476.3	-23.7	-.947	1.0419	.012	1
S1A	496.00	493.84	-2.16	-.436	.20724	.007	1



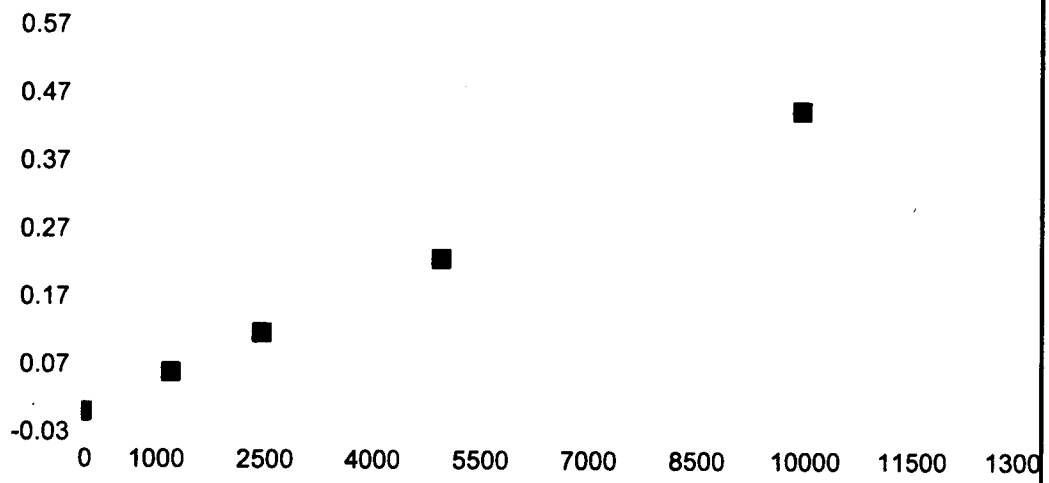
Co 228.616 {447}

Date of Fit:	1/10/2012 11:25:31	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000085	Re-Slope:	1.000000
A1 (Gain):	0.000224	Y-int:	0.000000
A2 (Curvature):	0.000000		

n (Exponent):	1.000000		
Correlation:	0.999885	Status:	OK.
Std Error of Est:	0.000212		
MDL:	2.827408		
MQL:	9.424695		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00604	-.006	.000	-.00009	.000	1
S5	10000.	9920.8	-79.2	-.792	2.2262	.006	1
S1	50.000	53.338	3.34	6.68	.01188	.000	1
S2	1250.0	1298.6	48.6	3.89	.29134	.000	1
S3	2500.0	2559.7	59.7	2.39	.57434	.002	1
S4	5000.0	4964.4	-35.6	-.711	1.1140	.012	1
S1A	499.00	502.15	3.15	.632	.11260	.004	1

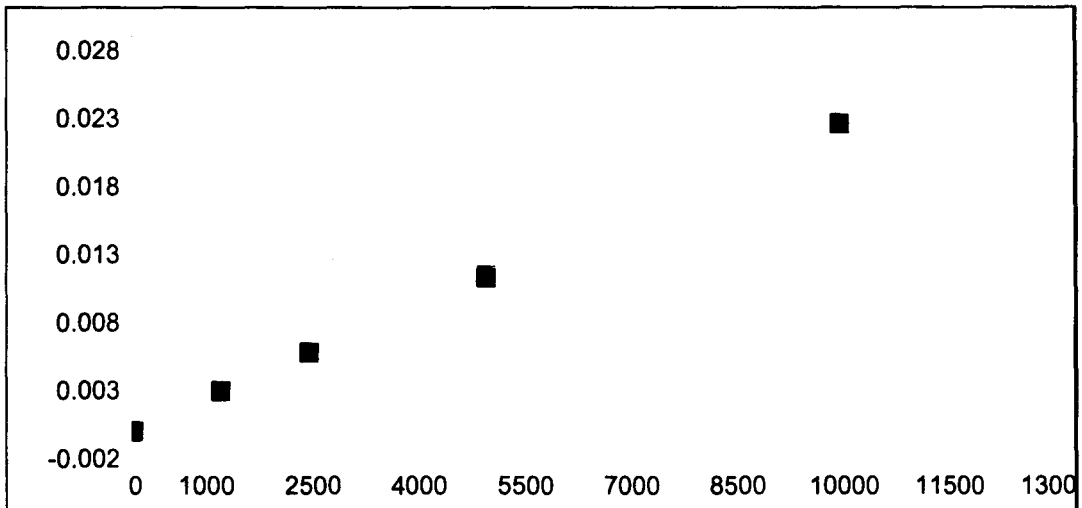


Cr 267.716 {126}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000007	Re-Slope:	1.000000
A1 (Gain):	0.000045	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999795	Status:	OK.
Std Error of Est:	0.000063		
MDL:	4.161453		
MQL:	13.871509		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00131	-.001	.000	.00001	.000	1
S5	10000.	9854.9	-145.	-1.45	.44809	.000	1
S1	10.000	10.673	.673	6.73	.00049	.000	1
S2	1250.0	1301.1	51.1	4.09	.05916	.000	1
S3	2500.0	2593.0	93.0	3.72	.11790	.000	1
S4	5000.0	5000.3	.321	.006	.22736	.001	1

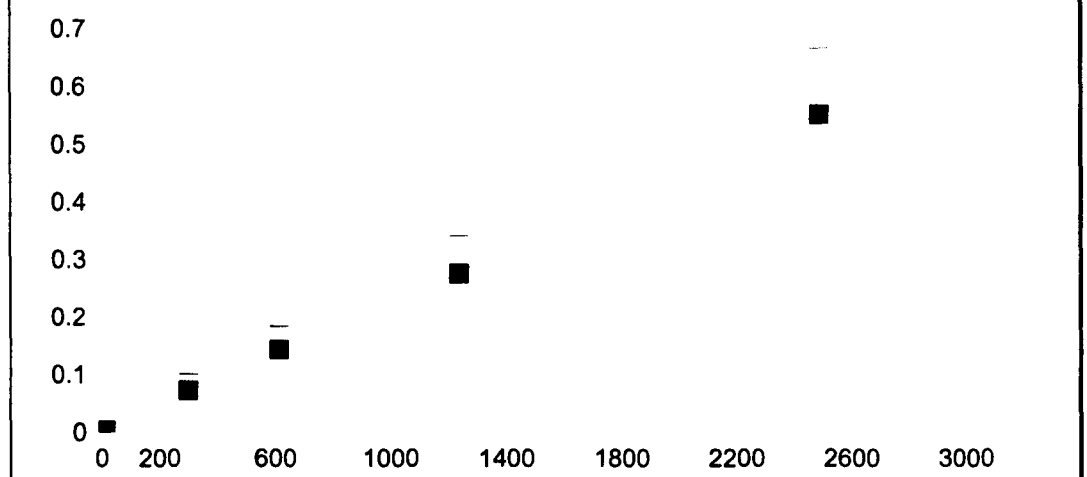


Cu 219.958 {453}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000006	Re-Slope:	1.000000
A1 (Gain):	0.000002	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999886	Status:	OK.
Std Error of Est:	0.000002		
MDL:	3.092592		
MQL:	10.308638		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00231	-.002	.000	-.00001	.000	1
S1	25.000	26.054	1.05	4.22	.00005	.000	1
S2	1250.0	1301.3	51.3	4.11	.00295	.000	1
S3	2500.0	2556.4	56.4	2.26	.00580	.000	1
S4	5000.0	4974.4	-25.6	-.511	.01129	.000	1
S5	10000.	9916.7	-83.3	-.833	.02251	.000	1



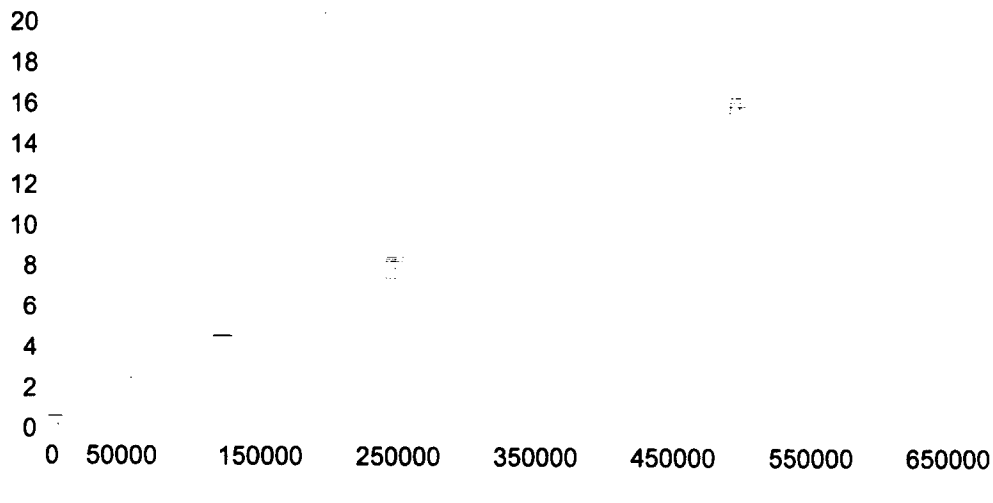
Cu 324.754 {104}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001811	Re-Slope:	1.000000
A1 (Gain):	0.000219	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		

Correlation:	0.998892	Status:	OK.
Std Error of Est:	0.000419		
MDL:	5.722387		
MQL:	19.074624		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S5	2500.0	2499.0	-.987	-.039	.64908	.000	1
S1	25.000	6.3285	-18.7	-74.7	.00355	.000	1
S2	312.50	319.80	7.30	2.34	.08435	.000	1
S3	625.00	640.86	15.9	2.54	.16716	.000	1
S4	1250.0	1244.7	-5.33	-.427	.32438	.001	1
S0	.00000	.01757	.018	.000	.00181	.000	1

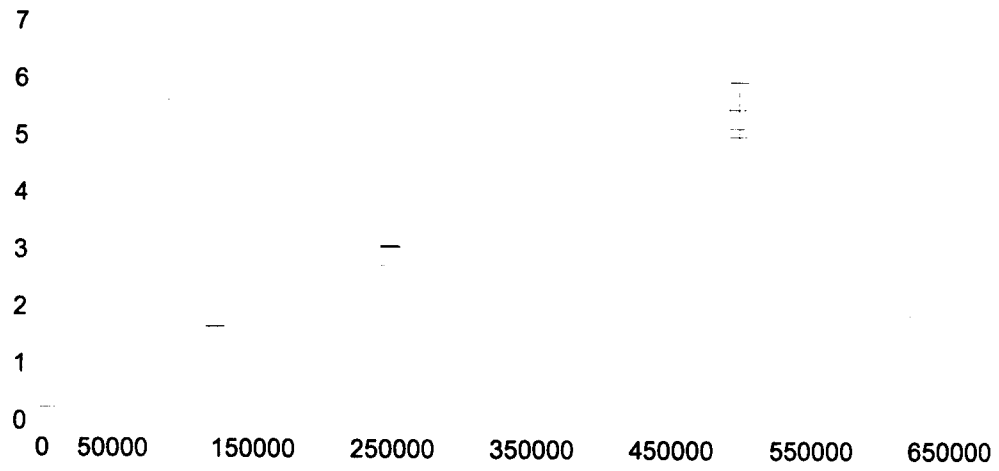


Fe 259.940 {130}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000160	Re-Slope:	1.000000
A1 (Gain):	0.000032	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999820	Status:	OK.
Std Error of Est:	0.000263		
MDL:	24.728543		
MQL:	82.428477		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.02545	-.025	.000	.00016	.000	1
S5	500000.	494110.	-5890.	-1.18	15.753	.223	1
S1	100.00	115.28	15.3	15.3	.00384	.000	1
S2	62500.	64536.	2040.	3.26	2.0577	.003	1
S3	125000.	129800.	4800.	3.84	4.1385	.022	1
S4	250000.	248800.	-1200.	-.481	7.9323	.109	1
S1A	5082.0	5322.9	241.	4.74	.16986	.020	1

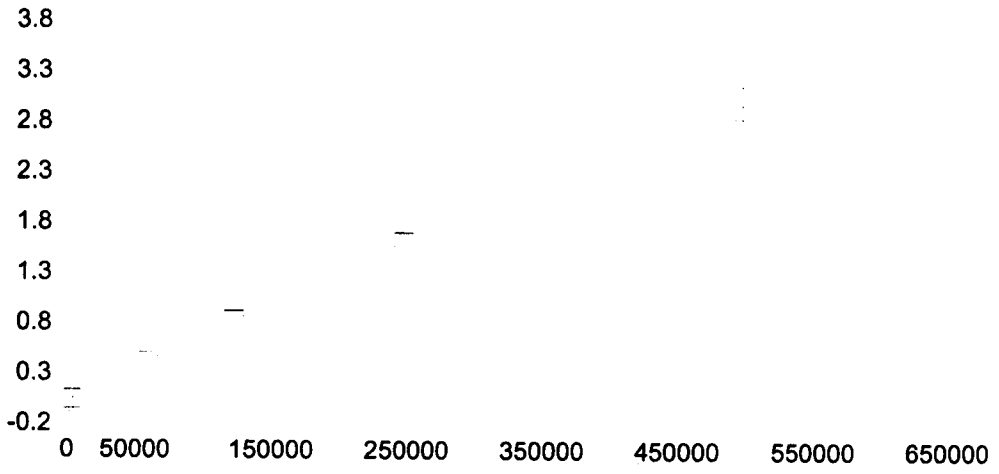


K 766.490 {44}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.017804	Re-Slope:	1.000000
A1 (Gain):	0.000011	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.998748	Status:	OK.
Std Error of Est:	0.000271		
MDL:	72.943559		
MQL:	243.145198		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.62124	-.621	.000	.01780	.000	1
S5	500000.	477010.	-23000.	-4.60	5.3421	.476	1
S1	5000.0	4940.5	-59.5	-1.19	.07295	.006	1
S2	62500.	67280.	4780.	7.65	.76879	.000	1
S3	125000.	133140.	8140.	6.51	1.5039	.005	1
S4	250000.	260130.	10100.	4.05	2.9214	.009	1



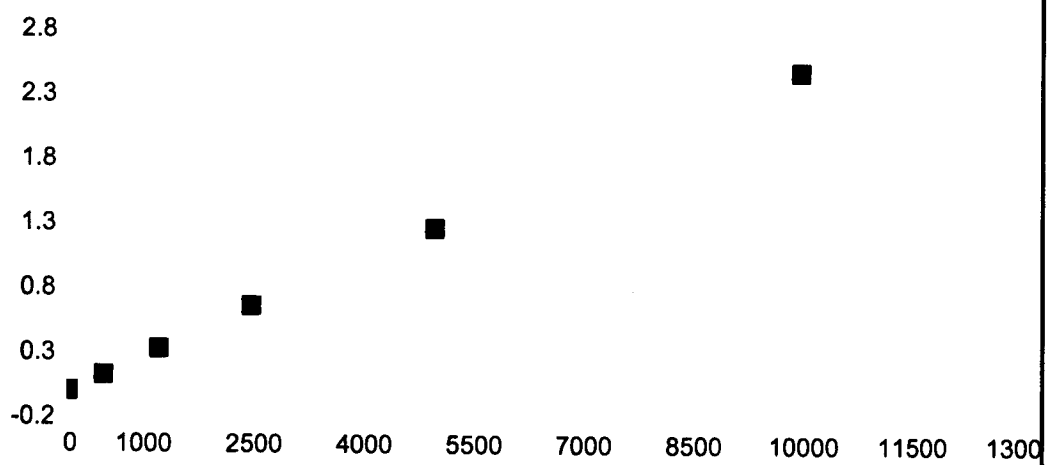
Mg 279.079 {121}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	-0.000006	Re-Slope:	1.000000
A1 (Gain):	0.000007	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		

Correlation:	0.999978	Status:	OK.
Std Error of Est:	0.000020		
MDL:	9.087267		
MQL:	30.290889		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.22659	-.227	.000	-.00001	.000	1
S5	500000.	499980.	-24.3	-.005	3.0573	.321	1
S1	5000.0	5341.2	341.	6.82	.03578	.004	1
S2	62500.	61728.	-772.	-1.24	.40942	.001	1
S3	125000.	125630.	634.	.507	.82381	.004	1
S4	250000.	249910.	-86.3	-.035	1.6021	.002	1
S1A	6074.0	5981.5	-92.5	-1.52	.04006	.005	1

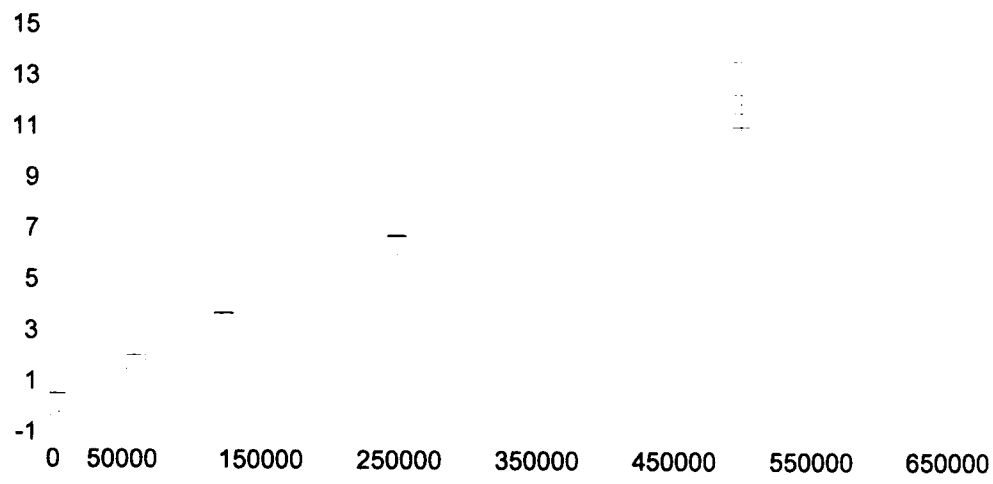


Mn 257.610 (131)

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	-0.000100	Re-Slope:	1.000000
A1 (Gain):	0.000263	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		
Correlation:	0.999931	Status:	OK.
Std Error of Est:	0.000206		
MDL:	2.349439		
MQL:	7.831463		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00030	.000	.000	-.00010	.000	1
S5	10000.	10020.	20.5	.205	2.4801	.006	1
S1	15.000	14.928	-.072	-.483	.00383	.000	1
S2	1250.0	1262.0	12.0	.963	.32943	.002	1
S3	2500.0	2550.6	50.6	2.02	.66077	.002	1
S4	5000.0	4934.3	-65.7	-1.31	1.2602	.004	1
S1A	500.00	482.89	-17.1	-3.42	.12658	.001	1

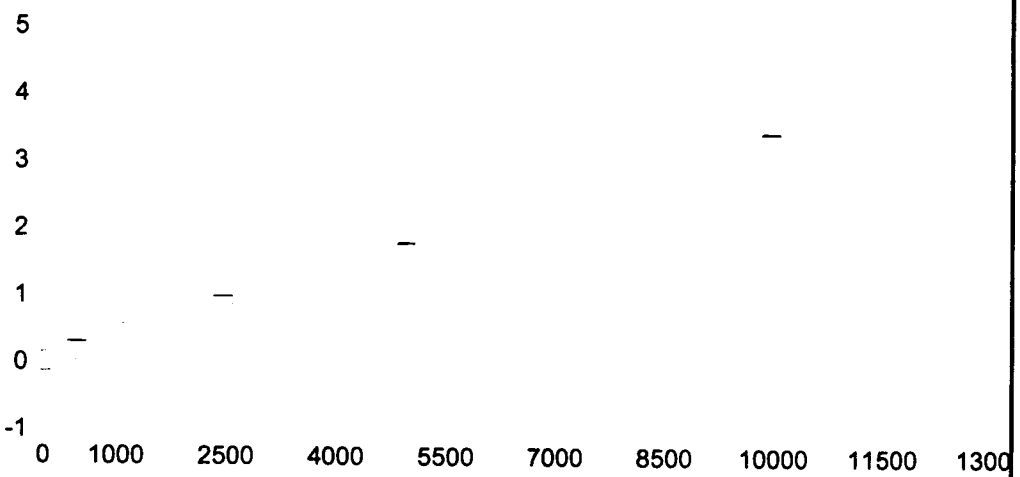


Na 589.592 { 57}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Curvilinear	Weighting:	1/Conc

A0 (Offset):	-0.002927	Re-Slope:	1.000000
A1 (Gain):	0.000027	Y-int:	0.000000
A2 (Curvature):	-0.000000		
n (Exponent):	1.000000		
Correlation:	0.999981	Status:	OK.
Std Error of Est:	0.000086		
MDL:	9.438747		
MQL:	31.462490		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.17173	-.172	.000	-.00293	.000	1
S5	500000.	500280.	280.	.056	11.997	1.28	1
S1	5000.0	5199.7	200.	3.99	.13888	.014	1
S2	62500.	61741.	-759.	-1.21	1.6577	.004	1
S3	125000.	126210.	1210.	.969	3.3378	.017	1
S4	250000.	249080.	-924.	-.370	6.3868	.025	1



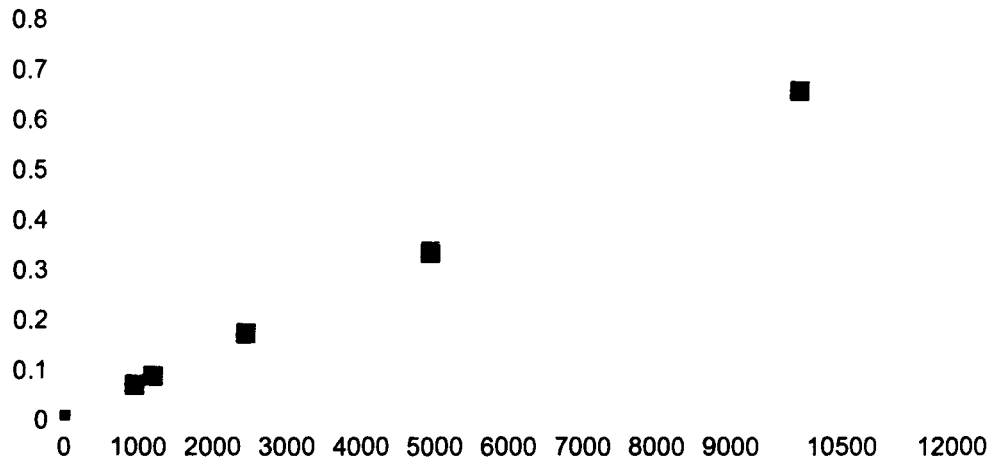
Ni 231.604 {446}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000289	Re-Slope:	1.000000
A1 (Gain):	0.000331	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		

Correlation:	0.999860	Status:	OK.
Std Error of Est:	0.000344		
MDL:	3.116510		
MQL:	10.388365		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00480	-.005	.000	-.00029	.000	1
S5	10000.	9912.9	-87.1	-.871	3.2807	.012	1
S1	40.000	42.601	2.60	6.50	.01381	.000	1
S2	1250.0	1301.2	51.2	4.09	.43037	.001	1
S3	2500.0	2571.8	71.8	2.87	.85091	.003	1
S4	5000.0	4960.5	-39.5	-.790	1.6415	.017	1
S1A	503.00	504.05	1.05	.208	.16654	.006	1

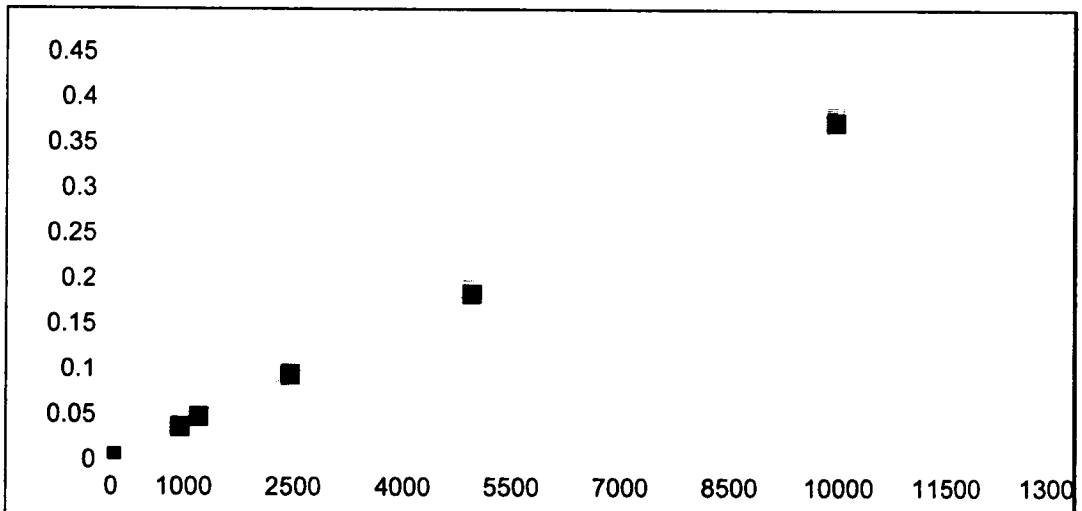


Pb 220.353 (453)

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000331	Re-Slope:	1.000000
A1 (Gain):	0.000067	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999716	Status:	OK.
Std Error of Est:	0.000100		
MDL:	4.473081		
MQL:	14.910268		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00285	-.003	.000	.00033	.000	1
S5	10000.	9833.6	-166.	-1.66	.65382	.001	1
S1	10.000	11.804	1.80	18.0	.00112	.000	1
S2	1250.0	1320.7	70.7	5.66	.08813	.000	1
S3	2500.0	2578.7	78.7	3.15	.17174	.001	1
S4	5000.0	4977.0	-23.0	-.459	.33110	.004	1
S1A	1002.0	1040.0	38.0	3.79	.06977	.002	1

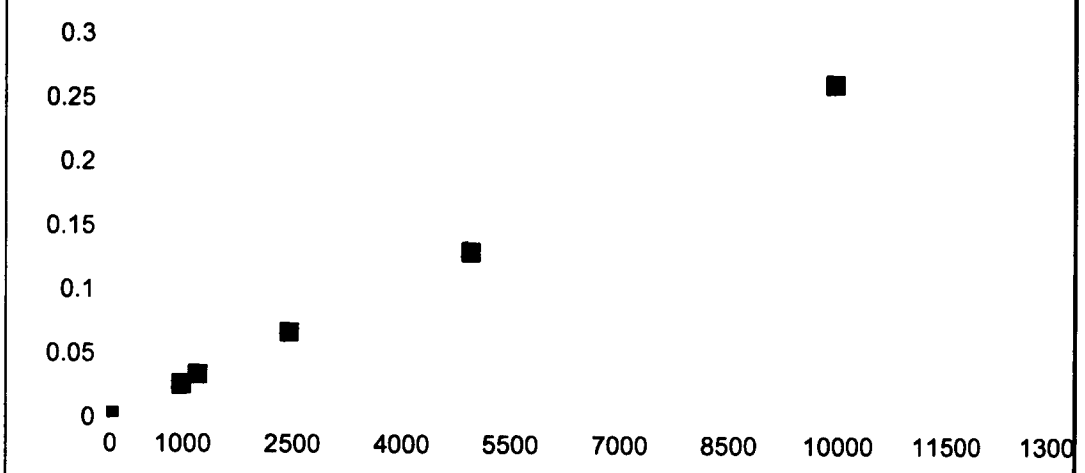


Sb 206.833 {463}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000667	Re-Slope:	1.000000
A1 (Gain):	0.000037	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999930	Status:	OK.
Std Error of Est:	0.000028		
MDL:	2.265682		
MQL:	7.552274		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	.00159	.002	.000	.00067	.000	1
S5	10000.	10070.	70.4	.704	.37778	.001	1
S1	60.000	60.159	.159	.264	.00290	.000	1
S2	1250.0	1263.9	13.9	1.11	.04800	.000	1
S3	2500.0	2508.7	8.74	.349	.09462	.000	1
S4	5000.0	4946.0	-54.0	-1.08	.18593	.002	1
S1A	994.00	954.28	-39.7	-4.00	.03598	.001	1



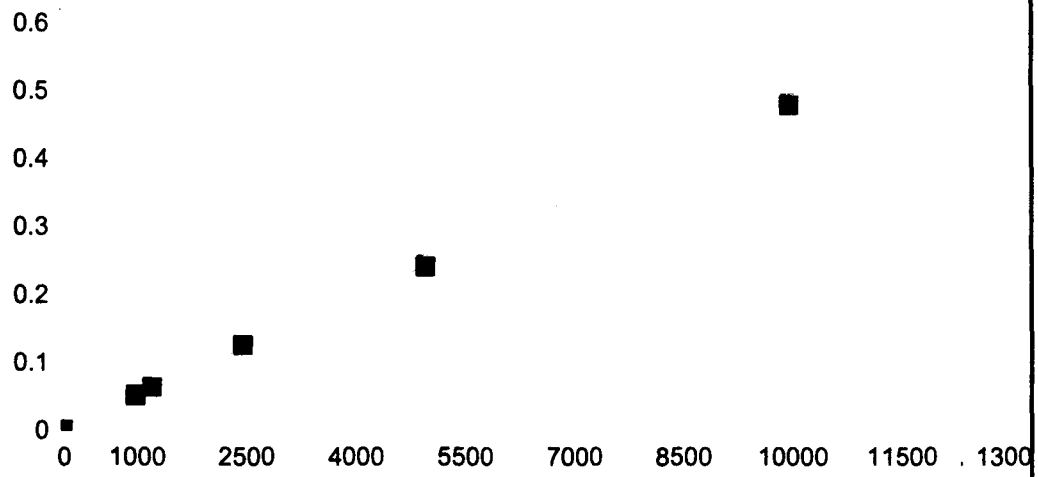
Se 196.090 {472}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000092	Re-Slope:	1.000000
A1 (Gain):	0.000026	Y-int:	0.000000
A2 (Curvature):	0.000000		

n (Exponent):	1.000000			
Correlation:	0.999868	Status:	OK.	
Std Error of Est:	0.000027			
MDL:	3.045611			
MQL:	10.152038			

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00088	-.001	.000	.00009	.000	1
S5	10000.	9987.6	-12.4	-.124	.25883	.001	1
S1	35.000	35.874	.874	2.50	.00103	.000	1
S2	1250.0	1291.5	41.5	3.32	.03356	.000	1
S3	2500.0	2555.5	55.5	2.22	.06631	.000	1
S4	5000.0	4962.8	-37.2	-.744	.12865	.001	1
S1A	1029.0	981.08	-47.9	-4.66	.02569	.001	1

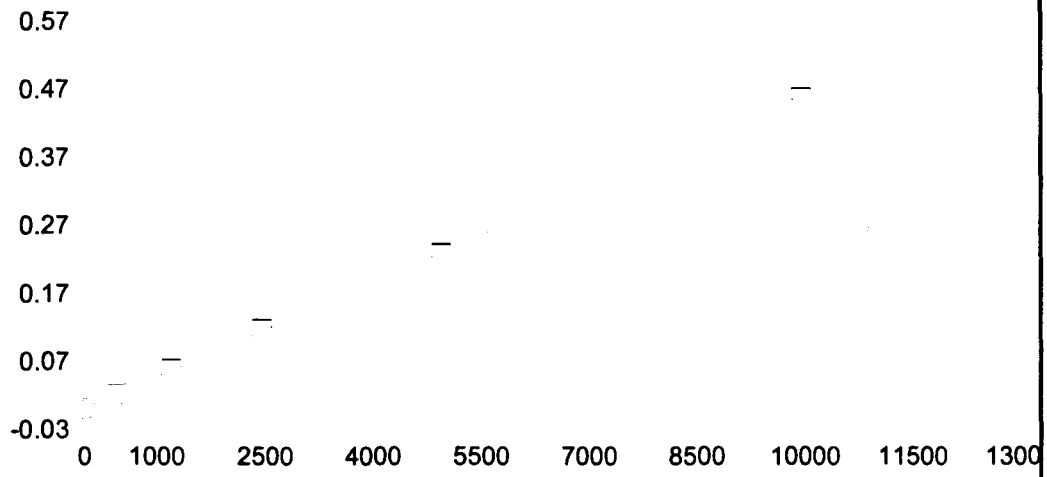


Tl 190.856 {477}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000107	Re-Slope:	1.000000
A1 (Gain):	0.000049	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999775	Status:	OK.
Std Error of Est:	0.000063		
MDL:	3.865143		
MQL:	12.883811		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00295	-.003	.000	.00011	.000	1
S5	10000.	9862.6	-137.	-1.37	.46256	.002	1
S1	25.000	25.992	.992	3.97	.00128	.000	1
S2	1250.0	1312.4	62.4	4.99	.06179	.000	1
S3	2500.0	2585.9	85.9	3.43	.12157	.000	1
S4	5000.0	4974.5	-25.5	-.511	.23343	.002	1
S1A	1028.0	1041.4	13.4	1.30	.04989	.002	1

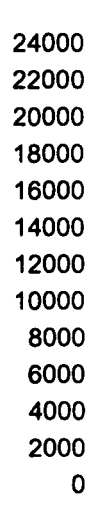


V 292.402 {115}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	-0.000189	Re-Slope:	1.000000
A1 (Gain):	0.000046	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999901	Status:	OK.
Std Error of Est:	0.000040		
MDL:	2.619096		
MQL:	8.730320		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.00359	-.004	.000	-.00019	.000	1
S5	10000.	9924.7	-75.3	-.753	.45783	.000	1
S1	50.000	51.817	1.82	3.63	.00220	.000	1
S2	1250.0	1286.5	36.5	2.92	.05918	.000	1
S3	2500.0	2569.2	69.2	2.77	.11838	.000	1
S4	5000.0	4971.9	-28.1	-.563	.22926	.001	1
S1A	501.00	496.85	-4.15	-.829	.02274	.000	1



Y 224.306 {450}*

Date of Fit:	1/10/2012 11:20:48	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		

n (Exponent):		1.000000					
Correlation:		0.000000		Status:	Warning	Zero Gain	
Std Error of Est:		1062.413407					
MDL:		202.029032					
MQL:		673.430106					

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S1	.00000	.00000	.000	.000	22099.	20.0	1
S2	.00000	.00000	.000	.000	21900.	52.7	1
S3	.00000	.00000	.000	.000	21574.	73.8	1
S4	.00000	.00000	.000	.000	21437.	95.1	1

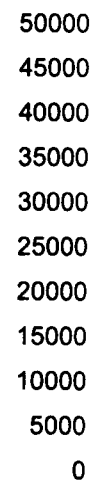
500000
450000
400000
350000
300000
250000
200000
150000
100000
50000
0

Y 360.073 (94)*

Date of Fit:	1/10/2012 11:20:48	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	31400.53915		
MDL:	-11896.25298		
MQL:	-39654.17660		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S1	.00000	.00000	.000	.000	396500.	16400.	1
S2	.00000	.00000	.000	.000	390040.	1810.	1
S3	.00000	.00000	.000	.000	387540.	2380.	1
S4	.00000	.00000	.000	.000	386500.	2370.	1

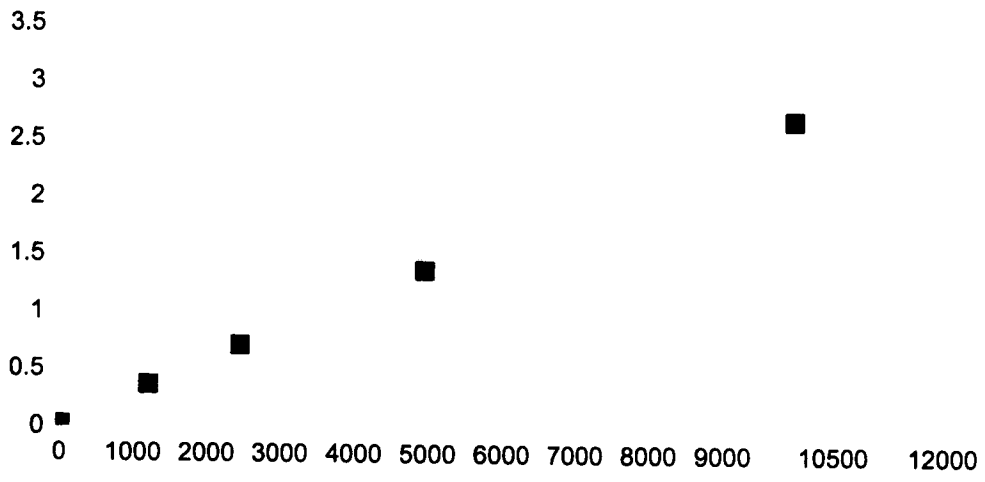


Y 371.030 {91}*

Date of Fit:	1/10/2012 11:20:48	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.000000	Re-Slope:	1.000000
A1 (Gain):	0.000000	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.000000	Status:	Warning Zero Gain
Std Error of Est:	7912.357377		
MDL:	5333.541876		
MQL:	17778.47292		

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S1	.00000	.00000	.000	.000	41201.	2650.	1
S2	.00000	.00000	.000	.000	42590.	153.	1
S3	.00000	.00000	.000	.000	42398.	248.	1
S4	.00000	.00000	.000	.000	42248.	294.	1



Zn 206.200 {463}

Date of Fit:	1/10/2012 11:25:32	Type of Fit:	Linear	Weighting:	1/Conc

A0 (Offset):	0.001213	Re-Slope:	1.000000
A1 (Gain):	0.000272	Y-int:	0.000000
A2 (Curvature):	0.000000		
n (Exponent):	1.000000		
Correlation:	0.999602	Status:	OK.
Std Error of Est:	0.000526		

MDL:	5.802410
MQL:	19.341365

Std. Name	Stated Conc.	Found Conc.	Difference	% Diff.	(S)IR	Std Dev	Emphasis
S0	.00000	-.01252	-.013	.000	.00121	.000	1
S5	10000.	9797.3	-203.	-2.03	2.6657	.007	1
S1	60.000	67.095	7.09	11.8	.01946	.000	1
S2	1250.0	1335.0	85.0	6.80	.36428	.001	1
S3	2500.0	2602.8	103.	4.11	.70907	.002	1
S4	5000.0	5007.9	7.86	.157	1.3632	.016	1

Sample Name: S0 Acquired: 1/10/2012 10:55:18 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0017**	**.00191**	**-.0002**	**-.0451**	**-.0010**	**-1.5646**
Stddev	4.873	16.704	3.712	.6106	.0170	3.2434
%RSD	280600.	874250.	2296000.	1353.	1702.	207.30
#1	-5.089	18.649	-4.121	-.2948	.0180	1.4282
#2	.4695	-13.592	1.040	-.4914	-.0149	-5.0109
#3	4.624	-5.0517	3.081	.6507	-.0061	-1.1110
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0003**	**-.0060**	**-.0013**	**-.0023**	**-.02545**	**-.62124**
Stddev	.4310	.2022	.2699	1.651	2.4558	23.743
%RSD	138900.	3347.	20610.	71750.	9647.9	3821.8
#1	.0291	.1697	-.0556	-.1123	-.81065	11.486
#2	.4153	.0393	-.2399	1.701	-1.9927	14.627
#3	-.4453	-.2271	.2916	-1.596	2.7270	-27.977
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S0 Acquired: 1/10/2012 10:55:18 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.22658**	**.0003**	**-.17169**	**-.0048**	**-.0029**	**.0016**
Stddev	4.4717	.0827	15.382	.2164	.4698	1.012
%RSD	1973.6	27150.	8959.2	4503.	16390.	63150.
#1	-.69304	-.0370	-11.055	-.2305	-.5400	1.149
#2	-4.4468	-.0572	-6.8862	.2009	.3319	-.3811
#3	4.4601	.0951	17.426	.0151	.1994	-.7629
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**-.0009**	**-.0031**	**-.0036**	**-.0125**
Stddev	1.211	1.265	.6184	.1708
%RSD	135200.	41110.	17220.	1364.
#1	1.216	.2653	-.1343	.0917
#2	-1.206	-1.381	-.5463	.0804
#3	-.0126	1.106	.6697	-.2096
Check ?	None	None	None	None
Value				
Range				

Sample Name: S0 Acquired: 1/10/2012 10:55:18 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S0 Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**22267.**	**412360.**	**43378.**
Stddev	436.	40433.	90.
%RSD	1.9579	9.8054	.20833
#1	22050.	391290.	43388.
#2	22769.	386800.	43463.
#3	21982.	458970.	43283.

Sample Name: S1 Acquired: 1/10/2012 10:59:38 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**7.435**	**199.94**	**10.05**	**221.3**	**5.547**	**5791.2**
Stddev	2.705	12.91	4.31	25.5	.636	624.5
%RSD	36.38	6.4591	42.87	11.52	11.46	10.784
#1	10.35	192.21	11.70	207.2	5.222	5437.6
#2	5.000	192.76	13.28	206.0	5.139	5423.8
#3	6.959	214.85	5.157	250.7	6.279	6512.3
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5.210**	**53.34**	**10.67**	**26.05**	**115.28**	**4940.5**
Stddev	.173	.25	.56	.82	10.82	538.5
%RSD	3.323	.4700	5.213	3.160	9.3898	10.899
#1	5.144	53.37	10.06	25.48	107.40	4636.3
#2	5.407	53.57	11.15	25.68	110.81	4623.0
#3	5.080	53.07	10.81	26.99	127.62	5562.2
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S1 Acquired: 1/10/2012 10:59:38 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5341.2**	**14.93**	**5199.8**	**42.60**	**11.82**	**60.15**
Stddev	586.6	.61	496.9	.48	1.65	1.81
%RSD	10.983	4.100	9.5558	1.135	13.98	3.012
#1	5018.2	14.23	4921.6	42.67	13.33	60.44
#2	4987.1	15.37	4904.3	43.05	12.07	61.80
#3	6018.3	15.19	5773.4	42.09	10.05	58.21
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**35.88**	**26.05**	**51.82**	**67.10**
Stddev	.63	.48	2.06	.35
%RSD	1.751	1.847	3.968	.5160
#1	36.18	25.89	49.49	67.43
#2	36.30	25.67	53.40	67.12
#3	35.16	26.59	52.56	66.74
Check ?	None	None	None	None
Value				
Range				

Sample Name: S1 Acquired: 1/10/2012 10:59:38 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**22099.**	**396500.**	**41201.**
Stddev	20.	16412.	2653.
%RSD	.09059	4.1393	6.4390
#1	22100.	415440.	42635.
#2	22118.	386470.	42828.
#3	22078.	387580.	38140.

Sample Name: S1A Acquired: 1/10/2012 11:03:47 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Ca3179	Cd2288
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	317.933 {106}	228.802 {447}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**502.1**	**2515.3**	s **985.9**	**523.9**	s **10712.**	s **493.8**
Stddev	3.5	300.4	34.7	59.7	1196.	17.3
%RSD	.6880	11.944	3.521	11.39	11.160	3.506
#1	504.8	2856.4	k 1009.	591.4	12059.	504.0
#2	498.2	2290.4	s 946.0	478.3	s 9776.9	s 473.9
#3	503.3	2398.9	k 1003.	502.0	10301.	503.7
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Co2286	Fe2599	Mg2790	Mn2576	Ni2316	Pb2203
Line	228.616 {447}	259.940 {130}	279.079 {121}	257.610 {131}	231.604 {446}	220.353 {453}
Units	ppb	ppb	ppb	ppb	Cts/S	Cts/S
Avg	**502.2**	s **5322.9**	s **5981.5**	s **482.9**	z *****	z *****
Stddev	18.2	619.4	682.4	2.6	-----	-----
%RSD	3.627	11.637	11.408	.5357	-----	-----
#1	513.4	k 6021.6	6751.2	484.8	z 5469.	z 2792.
#2	481.1	s 4841.4	s 5450.5	s 480.0	z 5346.	z 2749.
#3	511.9	k 5105.6	5743.0	483.9	z 5454.	z 2790.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S1A Acquired: 1/10/2012 11:03:47 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Sb2068	Se1960	Tl1908	V_2924
Line	206.833 {463}	196.090 {472}	190.856 {477}	292.402 {115}
Units	Cts/S	ppb	ppb	ppb
Avg	z *****	**981.1**	**1042.**	**496.8**
Stddev	-----	31.5	35.	2.8
%RSD	-----	3.212	3.404	.5611
#1	z 1580.	1002.	1067.	498.1
#2	z 1561.	944.9	1001.	493.7
#3	z 1579.	996.1	1057.	498.8
Check ?	None	None	None	None
Value				
Range				

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	^ *****	**390870.**	**41608.**
Stddev	-----	2113.	3095.
%RSD	-----	.54049	7.4393
#1	21862.	390400.	38138.
#2	^ -----	393180.	44085.
#3	21827.	389040.	42601.

Sample Name: S2 Acquired: 1/10/2012 11:07:53 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**123.1**	**61801.**	**1277.**	**1293.**	**131.0**	**65744.**
Stddev	1.4	75.	7.	1.	.3	51.
%RSD	1.148	.12135	.5850	.0443	.2220	.07723
#1	123.3	61809.	1269.	1293.	130.7	65789.
#2	124.4	61722.	1282.	1293.	130.9	65689.
#3	121.6	61872.	1281.	1294.	131.3	65754.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**639.1**	**1299.**	**1301.**	**1301.**	**64536.**	**67280.**
Stddev	.7	1.	6.	10.	93.	35.
%RSD	.1120	.1012	.4757	.7515	.14334	.05203
#1	638.4	1297.	1294.	1291.	64505.	67310.
#2	639.8	1300.	1304.	1310.	64463.	67290.
#3	639.2	1299.	1306.	1303.	64640.	67242.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S2 Acquired: 1/10/2012 11:07:53 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**61728.**	**1262.**	**61741.**	**1301.**	**1321.**	**1263.**
Stddev	112.	6.	140.	2.	6.	1.
%RSD	.18175	.5013	.22629	.1255	.4370	.0787
#1	61642.	1255.	61603.	1302.	1314.	1263.
#2	61686.	1265.	61882.	1302.	1323.	1265.
#3	61855.	1266.	61737.	1299.	1325.	1263.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**1292.**	**1314.**	**1287.**	**1335.**
Stddev	1.	1.	7.	2.
%RSD	.1126	.0517	.5090	.1817
#1	1293.	1313.	1280.	1332.
#2	1292.	1314.	1287.	1336.
#3	1290.	1313.	1293.	1336.
Check ?	None	None	None	None
Value				
Range				

Sample Name: S2 Acquired: 1/10/2012 11:07:53 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21900.**	**390040.**	**42590.**
Stddev	53.	1812.	153.
%RSD	.24075	.46459	.35834
#1	21882.	392130.	42624.
#2	21959.	388840.	42424.
#3	21858.	389160.	42723.

Sample Name: S3 Acquired: 1/10/2012 11:12:01 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**254.7**	**125110.**	**2524.**	**2601.**	**262.9**	**131660.**
Stddev	.6	159.	7.	5.	1.3	280.
%RSD	.2280	.12691	.2760	.2009	.4900	.21244
#1	254.1	125040.	2524.	2596.	261.7	131410.
#2	254.9	125290.	2518.	2607.	264.3	131960.
#3	255.2	125000.	2532.	2600.	262.6	131620.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1265.**	**2560.**	**2593.**	**2556.**	**129800.**	**133140.**
Stddev	4.	10.	4.	9.	675.	481.
%RSD	.3432	.3774	.1393	.3714	.51969	.36163
#1	1260.	2549.	2592.	2558.	129080.	132910.
#2	1266.	2565.	2597.	2565.	130420.	133690.
#3	1268.	2566.	2590.	2546.	129900.	132820.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S3 Acquired: 1/10/2012 11:12:01 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**125630.**	**2551.**	**126210.**	**2572.**	**2579.**	**2508.**
Stddev	672.	6.	644.	9.	9.	11.
%RSD	.53475	.2366	.51020	.3692	.3440	.4356
#1	124960.	2547.	125650.	2561.	2572.	2498.
#2	126300.	2558.	126910.	2579.	2576.	2506.
#3	125640.	2547.	126070.	2575.	2589.	2519.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**2556.**	**2588.**	**2569.**	**2603.**
Stddev	3.	6.	5.	9.
%RSD	.1367	.2165	.2029	.3520
#1	2554.	2582.	2567.	2593.
#2	2555.	2593.	2575.	2604.
#3	2560.	2590.	2566.	2611.
Check ?	None	None	None	None
Value				
Range				

Sample Name: S3 Acquired: 1/10/2012 11:12:01 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21574.**	**387540.**	**42398.**
Stddev	74.	2376.	248.
%RSD	.34225	.61299	.58441
#1	21656.	387560.	42666.
#2	21512.	385160.	42177.
#3	21555.	389910.	42350.

Sample Name: S4 Acquired: 1/10/2012 11:16:10 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**500.0**	**251140.**	**4970.**	**5096.**	**511.0**	**251890.**
Stddev	.3	859.	69.	15.	1.2	1502.
%RSD	.0617	.34212	1.386	.2985	.2257	.59635
#1	500.3	252040.	5025.	5080.	512.3	251350.
#2	499.7	251050.	4993.	5099.	510.7	250720.
#3	500.0	250320.	4893.	5110.	510.0	253580.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2476.**	**4964.**	**5000.**	**4975.**	**248800.**	**260130.**
Stddev	28.	55.	16.	68.	3416.	833.
%RSD	1.147	1.112	.3160	1.366	1.3730	.32019
#1	2493.	4996.	5016.	5019.	252220.	261090.
#2	2492.	4996.	5001.	5009.	245390.	259540.
#3	2444.	4901.	4984.	4896.	248790.	259780.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S4 Acquired: 1/10/2012 11:16:10 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**249910.**	**4934.**	**249080.**	**4961.**	**4979.**	**4946.**
Stddev	371.	14.	1055.	50.	61.	61.
%RSD	.14838	.2905	.42360	1.008	1.229	1.232
#1	250280.	4942.	249200.	4987.	5019.	4982.
#2	249530.	4943.	247960.	4992.	5009.	4980.
#3	249930.	4918.	250060.	4903.	4908.	4876.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**4963.**	**4974.**	**4972.**	**5008.**
Stddev	55.	51.	23.	59.
%RSD	1.104	1.027	.4646	1.177
#1	4991.	5016.	4987.	5043.
#2	4998.	4987.	4983.	5041.
#3	4900.	4917.	4945.	4940.
Check ?	None	None	None	None
Value				
Range				

Sample Name: S4 Acquired: 1/10/2012 11:16:10 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21437.**	**386500.**	**42248.**
Stddev	95.	2372.	294.
%RSD	.44342	.61360	.69517
#1	21377.	384640.	42015.
#2	21386.	385680.	42578.
#3	21546.	389170.	42152.

Sample Name: S5 Acquired: 1/10/2012 11:20:53 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**998.6**	**499870.**	**9991.**	**9712.**	**969.6**	**486730.**
Stddev	1.6	58844.	20.	1000.	103.3	26802.
%RSD	.1563	11.772	.2040	10.29	10.65	5.5066
#1	1000.	534300.	9992.	10310.	1029.	501810.
#2	997.2	431920.	9971.	8558.	850.4	455780.
#3	998.3	533380.	10010.	10260.	1030.	502590.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**4997.**	**9921.**	**9855.**	**9917.**	**494110.**	**477010.**
Stddev	14.	27.	6.	39.	6988.	42680.
%RSD	.2866	.2764	.0590	.3977	1.4143	8.9475
#1	4985.	9908.	9862.	9961.	490290.	502260.
#2	4992.	9902.	9851.	9885.	502170.	427730.
#3	5013.	9952.	9853.	9905.	489860.	501030.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: S5 Acquired: 1/10/2012 11:20:53 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**500450.**	**10020.**	**501090.**	**9913.**	**9837.**	**10070.**
Stddev	57796.	24.	61341.	36.	25.	34.
%RSD	11.549	.2373	12.242	.3607	.2527	.3372
#1	533470.	10040.	536290.	9889.	9838.	10050.
#2	433720.	9993.	430260.	9896.	9812.	10060.
#3	534170.	10030.	536710.	9954.	9861.	10110.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**9987.**	**9860.**	**9925.**	**9797.**
Stddev	24.	48.	5.	25.
%RSD	.2380	.4833	.0551	.2550
#1	9965.	9808.	9923.	9779.
#2	9983.	9870.	9920.	9787.
#3	10010.	9902.	9931.	9826.
Check ?	None	None	None	None
Value				
Range				

Sample Name: S5 Acquired: 1/10/2012 11:20:53 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: S Custom ID2: Custom ID3:
Comment:

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**20682.**	**377290.**	**43192.**
Stddev	62.	1227.	2846.
%RSD	.30113	.32508	6.5897
#1	20727.	375990.	41729.
#2	20708.	378430.	46472.
#3	20611.	377450.	41374.

Sample Name: ZZZZZZ Acquired: 1/10/2012 11:25:38 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ZZZZZZ Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.98**	**27.254**	**1.374**	**1.034**	**.0950**	**60.148**
Stddev	11.75	29.639	1.219	.749	.0731	3.291
%RSD	107.0	108.75	88.72	72.49	76.94	5.4719
#1	-4.841	54.645	1.497	.6448	.0613	61.297
#2	-3.565	-4.2120	2.527	1.898	.1789	62.711
#3	-24.53	31.328	.0981	.5588	.0448	56.436
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6786**	**1.017**	**.9478**	**2.952**	**72.965**	**1650.8**
Stddev	.1779	.526	.1637	1.578	1.016	126.6
%RSD	26.21	51.76	17.27	53.47	1.3918	7.6705
#1	.5514	1.408	.8599	4.110	73.464	1796.7
#2	.6024	.4185	1.137	3.590	71.796	1570.2
#3	.8818	1.224	.8468	1.154	73.634	1585.4
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: ZZZZZZ Acquired: 1/10/2012 11:25:38 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ZZZZZZ Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**62.403**	**1.285**	**511.07**	**1.144**	**.9975**	**1.724**
Stddev	10.379	.064	26.63	.188	1.180	.915
%RSD	16.633	4.965	5.2114	16.43	118.3	53.09
#1	73.245	1.253	539.44	.9306	.9741	.7778
#2	61.405	1.244	507.19	1.216	2.189	2.605
#3	52.559	1.358	486.59	1.285	-.1704	1.789
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**4.214**	**5.988**	**1.260**	**1.828**
Stddev	.314	.622	.248	.160
%RSD	7.451	10.39	19.65	8.747
#1	4.493	6.656	1.008	1.645
#2	4.273	5.883	1.503	1.942
#3	3.874	5.425	1.270	1.897
Check ?	None	None	None	None
Value				
Range				

Sample Name: ZZZZZZ Acquired: 1/10/2012 11:25:38 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ZZZZZZ Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21883.**	**369580.**	**42605.**
Stddev	93.	36206.	478.
%RSD	.42389	9.7965	1.1210
#1	21958.	391330.	43103.
#2	21779.	389630.	42561.
#3	21912.	327790.	42151.

Sample Name: ICV Acquired: 1/10/2012 11:29:50 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**501.4**	**2428.9**	**999.2**	**493.6**	**494.9**	**10274.**
Stddev	5.4	4.7	5.4	.2	.4	14.
%RSD	1.081	.19515	.5450	.0357	.0798	.13163
#1	497.3	2425.6	1002.	493.8	495.3	10283.
#2	499.4	2434.4	993.0	493.5	494.6	10259.
#3	507.5	2426.9	1003.	493.5	494.8	10282.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**499.2**	**504.9**	**496.9**	**496.3**	**5125.3**	**9235.9**
Stddev	3.9	2.6	4.0	7.2	26.8	23.5
%RSD	.7772	.5126	.8023	1.444	.52292	.25454
#1	500.7	506.6	495.9	499.9	5149.1	9259.2
#2	494.8	501.9	493.6	488.0	5096.3	9212.2
#3	502.1	506.1	501.3	500.9	5130.6	9236.3
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICV Acquired: 1/10/2012 11:29:50 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**5804.6**	**485.4**	**9462.2**	**508.3**	**1044.**	**961.2**
Stddev	20.4	3.9	42.0	2.9	7.	8.6
%RSD	.35121	.7964	.44417	.5665	.6866	.8946
#1	5781.8	483.7	9414.2	510.3	1044.	964.3
#2	5821.0	482.7	9492.6	505.0	1037.	951.5
#3	5811.0	489.9	9479.7	509.6	1051.	967.8
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**993.9**	**1046.**	**495.2**	**1067.**
Stddev	6.8	10.	3.7	9.
%RSD	.6829	.9498	.7506	.8275
#1	997.2	1053.	494.5	1068.
#2	986.0	1035.	491.9	1058.
#3	998.3	1051.	499.2	1075.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICV Acquired: 1/10/2012 11:29:50 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21541.**	**388410.**	**42386.**
Stddev	191.	3155.	85.
%RSD	.88865	.81215	.20036
#1	21739.	390060.	42305.
#2	21529.	390400.	42474.
#3	21356.	384770.	42378.

Sample Name: ICB Acquired: 1/10/2012 11:33:55 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.341**	**-28.578**	**.0783**	**.4369**	**.0652**	**-1.4074**
Stddev	.335	16.849	.9982	.2553	.0420	1.5707
%RSD	5.278	58.957	1275.	58.45	64.40	111.60
#1	-6.706	-9.3074	1.076	.5302	.0739	-3.0249
#2	-6.270	-35.899	.0795	.1480	.0196	.11173
#3	-6.048	-40.528	-.9205	.6325	.1022	-1.3089
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0472**	**.1348**	**.0519**	**.5105**	**2.7199**	**-455.34**
Stddev	.2247	.0706	.3994	2.157	2.9868	48.78
%RSD	476.1	52.40	768.8	422.6	109.81	10.713
#1	.3066	.2129	-.1405	2.454	-.57927	-401.94
#2	-.0866	.1160	.5111	-1.810	5.2398	-466.51
#3	-.0784	.0755	-.2148	.8875	3.4993	-497.56
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: ICB Acquired: 1/10/2012 11:33:55 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.846**	**.1216**	**-30.966**	**-.0363**	**-.1849**	**-3.199**
Stddev	10.286	.0583	13.799	.3147	.3907	1.192
%RSD	94.842	47.98	44.561	867.8	211.3	37.27
#1	-8.5277	.0996	-23.547	-.1382	.1902	-3.631
#2	-22.093	.0775	-46.888	-.2874	-.5895	-1.851
#3	-1.9162	.1877	-22.465	.3168	-.1555	-4.115
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**1.961**	**.1610**	**.1346**	**.3634**
Stddev	2.600	.3260	.1790	.0256
%RSD	132.6	202.4	133.0	7.036
#1	4.665	-.0410	.1218	.3339
#2	-.5200	.5372	-.0376	.3767
#3	1.738	-.0130	.3197	.3795
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICB Acquired: 1/10/2012 11:33:55 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21930.**	**386290.**	**41642.**
Stddev	496.	1543.	36.
%RSD	2.2611	.39940	.08586
#1	22242.	386830.	41660.
#2	21358.	387480.	41601.
#3	22190.	384540.	41666.

Sample Name: ICSA Acquired: 1/10/2012 11:38:07 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.500**	**253520.**	**-3.640**	**2.117**	**.7723**	**262890.**
Stddev	.227	676.	.231	.926	.0346	2119.
%RSD	4.127	.26663	6.347	43.76	4.482	.80588
#1	-5.261	254210.	-3.853	1.914	.7435	264830.
#2	-5.526	253490.	-3.673	3.128	.7626	260630.
#3	-5.713	252860.	-3.394	1.309	.8107	263220.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.065**	**4.687**	**45.52**	**33.59**	**104380.**	**846.40**
Stddev	.136	.274	.38	3.09	108.	15.96
%RSD	12.80	5.854	.8271	9.212	.10350	1.8853
#1	1.176	4.452	45.47	36.07	104310.	857.12
#2	.9128	4.988	45.92	30.12	104510.	854.02
#3	1.105	4.621	45.17	34.59	104330.	828.06
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Sample Name: ICSA Acquired: 1/10/2012 11:38:07 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**260280.**	**25.57**	**2049.3**	**22.96**	**10.35**	**-3.139**
Stddev	643.	.11	15.8	.41	1.13	1.524
%RSD	.24714	.4104	.77154	1.784	10.88	48.56
#1	259950.	25.47	2050.9	23.08	11.55	-4.770
#2	261030.	25.68	2032.8	22.51	9.309	-1.750
#3	259880.	25.57	2064.3	23.30	10.20	-2.898
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**5.996**	**2.964**	**1.278**	**28.45**
Stddev	4.277	1.691	.735	.67
%RSD	71.34	57.04	57.50	2.339
#1	9.414	4.404	2.125	28.90
#2	1.199	3.386	.8822	27.69
#3	7.376	1.102	.8253	28.77
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSA Acquired: 1/10/2012 11:38:07 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSA Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21186.**	**381520.**	**40868.**
Stddev	98.	1222.	298.
%RSD	.46148	.32025	.72898
#1	21126.	382710.	40581.
#2	21299.	380270.	40847.
#3	21132.	381590.	41175.

Sample Name: ICSAB Acquired: 1/10/2012 11:42:23 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**218.1**	**251140.**	**99.15**	**513.9**	**525.3**	**262990.**
Stddev	.3	121.	3.34	1.2	.5	2371.
%RSD	.1500	.04824	3.364	.2278	.0942	.90149
#1	218.3	251040.	95.31	513.5	524.9	263220.
#2	218.3	251280.	100.8	515.2	525.1	265240.
#3	217.7	251110.	101.3	513.0	525.9	260510.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1016.**	**512.5**	**547.4**	**531.0**	**104670.**	**-963.34**
Stddev	19.	10.2	4.0	3.6	168.	8.54
%RSD	1.909	1.980	.7349	.6729	.16097	.88624
#1	1005.	506.1	542.8	528.3	104630.	-972.26
#2	1005.	507.3	549.1	529.6	104530.	-962.53
#3	1039.	524.2	550.3	535.0	104860.	-955.24
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	None
High Limit						
Low Limit						

Sample Name: ICSAB Acquired: 1/10/2012 11:42:23 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**263180.**	**529.6**	**955.05**	**1061.**	**63.08**	**601.0**
Stddev	330.	3.5	24.70	22.	.29	11.9
%RSD	.12522	.6675	2.5859	2.058	.4674	1.971
#1	263010.	525.6	980.53	1049.	63.03	596.1
#2	262970.	530.9	931.22	1049.	62.82	592.5
#3	263560.	532.3	953.40	1087.	63.40	614.5
Check ?	Chk Pass	Chk Pass	None	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**56.29**	**110.3**	**502.7**	**1075.**
Stddev	2.06	1.8	3.6	20.
%RSD	3.655	1.610	.7223	1.871
#1	53.95	108.5	498.6	1064.
#2	57.83	110.2	505.1	1064.
#3	57.09	112.1	504.5	1099.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: ICSAB Acquired: 1/10/2012 11:42:23 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: ICSAB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**21138.**	**383070.**	**40894.**
Stddev	342.	2049.	110.
%RSD	1.6158	.53490	.26856
#1	21337.	385330.	40894.
#2	21334.	381330.	40784.
#3	20744.	382530.	41004.

Sample Name: CCV1 Acquired: 1/10/2012 11:46:39 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**500.4**	**253180.**	**4936.**	**5094.**	**521.0**	**257990.**
Stddev	2.4	247.	33.	4.	1.0	1903.
%RSD	.4883	.09762	.6774	.0721	.1931	.73767
#1	497.8	252930.	4958.	5090.	519.8	256040.
#2	500.9	253420.	4898.	5095.	521.5	259850.
#3	502.6	253210.	4953.	5097.	521.6	258090.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2488.**	**4987.**	**4970.**	**4991.**	**251430.**	**260960.**
Stddev	19.	36.	28.	29.	2293.	269.
%RSD	.7507	.7250	.5557	.5824	.91185	.10292
#1	2499.	5006.	4938.	5015.	249730.	261250.
#2	2466.	4946.	4984.	4959.	250520.	260900.
#3	2498.	5010.	4987.	4999.	254040.	260720.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCV1 Acquired: 1/10/2012 11:46:39 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**256970.**	**4972.**	**252620.**	**5019.**	**4951.**	**4954.**
Stddev	781.	43.	2386.	37.	37.	46.
%RSD	.30409	.8553	.94447	.7378	.7426	.9288
#1	256080.	4924.	250260.	5037.	4975.	4987.
#2	257340.	5000.	255040.	4976.	4909.	4902.
#3	257500.	4994.	252560.	5043.	4971.	4974.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**5022.**	**5010.**	**4960.**	**5033.**
Stddev	30.	35.	36.	34.
%RSD	.5910	.7069	.7267	.6847
#1	5041.	5013.	4919.	5053.
#2	4988.	4974.	4978.	4993.
#3	5038.	5044.	4983.	5052.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCV1 Acquired: 1/10/2012 11:46:39 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**20775.**	**374710.**	**39377.**
Stddev	57.	1551.	154.
%RSD	.27592	.41390	.39154
#1	20840.	375800.	39460.
#2	20736.	372930.	39199.
#3	20747.	375390.	39471.

Sample Name: CCB1 Acquired: 1/10/2012 11:51:21 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.882**	**-15.067**	**-.0220**	**2.318**	**.0075**	**1.8290**
Stddev	.250	18.901	2.270	.653	.1025	3.5851
%RSD	3.636	125.45	10310.	28.17	1362.	196.02
#1	-7.167	1.0611	2.149	2.316	.0479	-1.9217
#2	-6.783	-10.397	.1644	1.666	-.1090	5.2218
#3	-6.697	-35.865	-2.380	2.972	.0836	2.1869
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0004**	**.2751**	**.1462**	**-.5866**	**6.1384**	**46.343**
Stddev	.2109	.3443	.3787	.9978	3.2783	168.97
%RSD	56810.	125.2	259.1	170.1	53.406	364.61
#1	-.0540	.6326	.2365	-.7470	5.9503	239.65
#2	-.1794	-.0543	-.2695	-1.495	9.5067	-27.379
#3	.2322	.2468	.4715	.4817	2.9583	-73.241
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: CCB1 Acquired: 1/10/2012 11:51:21 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.675**	**.1245**	**48.938**	**.1411**	**-.7828**	**-1.159**
Stddev	2.341	.0553	20.317	.3069	.5914	3.253
%RSD	21.933	44.41	41.515	217.4	75.55	280.6
#1	-7.9746	.0722	39.375	-.1191	-.9385	2.568
#2	-12.137	.1190	72.272	.0630	-.1291	-2.618
#3	-11.914	.1824	35.168	.4795	-1.281	-3.427
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**2.333**	**3.050**	**-.1398**	**.1803**
Stddev	.692	.771	.3735	.1305
%RSD	29.65	25.29	267.2	72.41
#1	3.118	3.768	-.1790	.3110
#2	2.074	2.235	.2518	.1799
#3	1.809	3.147	-.4921	.0500
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: CCB1 Acquired: 1/10/2012 11:51:21 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	20894.	370370.	38708.
Stddev	177.	1120.	305.
%RSD	.84935	.30242	.78924
#1	21085.	369390.	38402.
#2	20734.	371590.	38708.
#3	20864.	370140.	39013.

Sample Name: PBW1 Acquired: 1/10/2012 11:55:33 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.303**	**-20.131**	**-1.795**	**2.114**	**-.0288**	**1.1356**
Stddev	2.546	10.356	2.395	.468	.0921	5.1029
%RSD	40.40	51.445	133.4	22.12	319.7	449.37
#1	-3.363	-28.952	.1806	2.633	.0590	5.6667
#2	-7.754	-8.7278	-4.458	1.725	-.0207	-4.3921
#3	-7.793	-22.713	-1.106	1.985	-.1247	2.1321
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0341**	**-.0552**	**-.1768**	**.9714**	**5.5595**	**-861.78**
Stddev	.1827	.2089	.1464	1.578	4.5654	15.15
%RSD	535.0	378.2	82.77	162.4	82.119	1.7582
#1	.2451	.1371	-.1239	2.355	.39194	-871.46
#2	-.0736	-.0253	-.0643	1.305	7.2405	-869.56
#3	-.0690	-.2774	-.3423	-.7463	9.0461	-844.31
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: PBW1 Acquired: 1/10/2012 11:55:33 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3.9522**	**-.0201**	**-156.76**	**-.0169**	**-.0072**	**.5915**
Stddev	15.334	.1044	46.04	.1383	1.153	1.956
%RSD	388.00	520.0	29.367	818.2	15960.	330.7
#1	14.874	-.0682	-104.33	.0158	-.8978	-.0882
#2	10.561	.0997	-175.44	.1021	1.295	-.9341
#3	-13.579	-.0918	-190.53	-.1686	-.4185	2.797
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**3.065**	**-1.171**	**.0367**	**2.411**
Stddev	2.020	.989	.1787	.092
%RSD	65.89	84.52	487.7	3.815
#1	1.330	-1.090	-.1441	2.316
#2	5.282	-.2238	.0406	2.418
#3	2.583	-2.198	.2134	2.499
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: PBW1 Acquired: 1/10/2012 11:55:33 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: PBW Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19683.**	**352940.**	**38475.**
Stddev	261.	2066.	492.
%RSD	1.3278	.58549	1.2785
#1	19410.	355320.	39036.
#2	19708.	351800.	38268.
#3	19931.	351700.	38120.

Sample Name: LCS1 Acquired: 1/10/2012 11:59:47 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**15.70**	**397.72**	**24.35**	**428.9**	**11.06**	**11260.**
Stddev	.58	9.33	4.02	1.0	.03	20.
%RSD	3.680	2.3462	16.52	.2350	.2729	.18031
#1	15.22	398.33	28.99	427.8	11.04	11237.
#2	15.55	406.72	22.21	429.0	11.09	11273.
#3	16.34	388.09	21.86	429.8	11.05	11271.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.74**	**109.5**	**22.12**	**54.69**	**229.73**	**9185.8**
Stddev	.42	.4	.53	.65	.31	8.7
%RSD	3.889	.3731	2.396	1.195	.13518	.09465
#1	11.22	109.2	22.68	54.29	229.89	9186.6
#2	10.48	109.3	22.05	55.45	229.38	9194.0
#3	10.52	110.0	21.63	54.34	229.93	9176.7
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Sample Name: LCS1 Acquired: 1/10/2012 11:59:47 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10696.**	**32.36**	**10202.**	**88.81**	**23.12**	**120.9**
Stddev	28.	.40	23.	.61	.62	2.7
%RSD	.26192	1.230	.22738	.6869	2.674	2.228
#1	10664.	32.61	10177.	88.11	23.81	124.0
#2	10717.	32.56	10206.	89.19	22.62	119.8
#3	10708.	31.90	10223.	89.14	22.94	119.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**76.29**	**53.26**	**109.1**	**140.8**
Stddev	1.66	1.06	1.2	.3
%RSD	2.174	1.989	1.093	.1837
#1	75.31	53.64	109.7	140.8
#2	75.36	52.06	110.0	140.5
#3	78.20	54.07	107.8	141.0
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

Sample Name: LCS1 Acquired: 1/10/2012 11:59:47 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: LCS Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19476.**	**340240.**	**36336.**
Stddev	107.	7162.	624.
%RSD	.55004	2.1051	1.7172
#1	19560.	335490.	37000.
#2	19514.	336760.	36245.
#3	19356.	348480.	35762.

Sample Name: 18565L/5 Acquired: 1/10/2012 12:03:58 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05L Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.586**	**-9.1007**	**-1.373**	**12.07**	**-.0852**	**17945.**
Stddev	1.218	43.811	2.712	.34	.0037	76.
%RSD	18.49	481.40	197.5	2.785	4.329	.42424
#1	-6.081	39.914	-1.888	12.45	-.0892	18032.
#2	-7.975	-44.451	-3.792	11.85	-.0842	17910.
#3	-5.703	-22.765	1.560	11.89	-.0821	17893.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1101**	**-.0828**	**2.232**	**.6431**	**20.755**	**144.85**
Stddev	.3083	.1784	.288	3.102	2.768	43.86
%RSD	280.1	215.4	12.91	482.4	13.337	30.281
#1	-.4523	-.2213	2.116	.0289	23.938	194.56
#2	.1461	.1185	2.560	-2.106	19.412	111.59
#3	-.0241	-.1457	2.019	4.006	18.914	128.39
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18565L/5 Acquired: 1/10/2012 12:03:58 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05L Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**3817.9**	**3.022**	**27083.**	**5.779**	**.6081**	**-2.646**
Stddev	16.3	.063	120.	.092	.3123	1.089
%RSD	.42719	2.072	.44288	1.587	51.37	41.16
#1	3835.4	2.955	27221.	5.674	.2733	-2.473
#2	3815.4	3.080	27003.	5.843	.8918	-1.654
#3	3803.0	3.030	27024.	5.820	.6591	-3.812
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**1.246**	**-.3470**	**1.991**	**5.576**
Stddev	2.959	1.321	.251	.029
%RSD	237.5	380.7	12.60	.5160
#1	4.662	-1.533	2.096	5.548
#2	-.5069	-.5856	1.705	5.575
#3	-.4172	1.077	2.173	5.605
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18565L/5 Acquired: 1/10/2012 12:03:58 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05L Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19935.**	**359680.**	**38189.**
Stddev	545.	1234.	97.
%RSD	2.7357	.34299	.25457
#1	19368.	361020.	38300.
#2	19982.	358590.	38146.
#3	20456.	359430.	38121.

Sample Name: 18565 Acquired: 1/10/2012 12:08:11 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.775**	**26.479**	**4.150**	**58.45**	**.0260**	**98943.**
Stddev	1.220	4.474	1.673	.55	.0187	377.
%RSD	18.00	16.897	40.32	.9371	72.10	.38106
#1	-8.184	26.510	5.819	58.20	.0050	99079.
#2	-6.097	30.938	2.473	59.08	.0318	99233.
#3	-6.046	21.989	4.156	58.08	.0411	98517.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1553**	**.5764**	**10.91**	**1.370**	**111.53**	**5944.1**
Stddev	.0489	.3572	.48	1.398	1.70	82.7
%RSD	31.48	61.97	4.409	102.0	1.5231	1.3909
#1	.1563	.7844	11.35	-.1870	113.22	5853.3
#2	.1059	.7808	10.39	2.516	109.83	6015.0
#3	.2036	.1640	10.99	1.782	111.54	5963.9
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18565 Acquired: 1/10/2012 12:08:11 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21235.**	**16.86**	**153980.**	**30.26**	**.8855**	**-1.351**
Stddev	105.	.04	758.	.53	1.680	3.048
%RSD	.49568	.2668	.49206	1.758	189.8	225.6
#1	21333.	16.84	154380.	30.87	1.236	-4.700
#2	21247.	16.91	154450.	29.95	-.9427	1.262
#3	21124.	16.83	153110.	29.94	2.363	-.6159
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**7.401**	**-1.552**	**11.17**	**27.56**
Stddev	1.751	.946	.41	.53
%RSD	23.66	60.95	3.653	1.937
#1	5.658	-1.510	11.27	27.29
#2	9.161	-.6277	10.72	27.21
#3	7.384	-2.518	11.52	28.17
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18565 Acquired: 1/10/2012 12:08:11 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19293.**	**359450.**	**38551.**
Stddev	301.	531.	215.
%RSD	1.5621	.14760	.55821
#1	19589.	359490.	38321.
#2	19302.	359970.	38586.
#3	18987.	358910.	38747.

Sample Name: 18565D Acquired: 1/10/2012 12:12:24 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05D Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.787**	**45.303**	**1.924**	**58.16**	**.0053**	**99554.**
Stddev	.537	23.334	1.011	1.47	.0933	245.
%RSD	7.920	51.507	52.55	2.524	1751.	.24654
#1	-6.174	72.225	1.080	56.82	-.0560	99824.
#2	-7.005	30.901	3.045	59.73	.1127	99495.
#3	-7.181	32.783	1.648	57.93	-.0407	99344.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.0503**	**.4762**	**11.16**	**1.074**	**118.47**	**5928.1**
Stddev	.1977	.4895	.19	.589	4.61	75.3
%RSD	392.8	102.8	1.742	54.88	3.8939	1.2696
#1	.1001	.1374	10.94	.4230	123.00	5991.4
#2	.2185	1.037	11.28	1.226	118.63	5844.9
#3	-.1675	.2538	11.27	1.571	113.78	5948.0
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18565D Acquired: 1/10/2012 12:12:24 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05D Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21411.**	**16.89**	**154740.**	**30.18**	**3.089**	**-1.271**
Stddev	96.	.13	555.	.23	1.858	1.417
%RSD	.44614	.7579	.35864	.7457	60.15	111.5
#1	21503.	16.96	155360.	30.33	2.408	-2.703
#2	21416.	16.74	154580.	29.92	5.192	-1.242
#3	21312.	16.97	154280.	30.30	1.667	.1317
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**7.076**	**-1.512**	**11.29**	**27.09**
Stddev	2.202	.127	.41	.19
%RSD	31.12	8.380	3.664	.7162
#1	5.234	-1.658	10.81	26.90
#2	6.479	-1.451	11.46	27.06
#3	9.515	-1.428	11.58	27.29
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18565D Acquired: 1/10/2012 12:12:24 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05D Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18801.**	**351570.**	**37643.**
Stddev	183.	5038.	297.
%RSD	.97099	1.4329	.78969
#1	19009.	356960.	37954.
#2	18671.	350770.	37614.
#3	18721.	346980.	37361.

Sample Name: 18565S Acquired: 1/10/2012 12:16:35 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05S Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**47.78**	**2075.0**	**43.46**	**2126.**	**53.94**	**99097.**
Stddev	.76	26.0	2.15	6.	.02	243.
%RSD	1.599	1.2542	4.941	.2699	.0396	.24525
#1	46.99	2097.1	43.23	2131.	53.94	99357.
#2	47.84	2081.5	41.44	2120.	53.92	98876.
#3	48.51	2046.3	45.72	2128.	53.96	99058.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52.33**	**531.3**	**218.5**	**256.3**	**1193.7**	**5956.4**
Stddev	.22	2.3	.4	3.1	1.8	52.6
%RSD	.4269	.4276	.1823	1.210	.15165	.88279
#1	52.36	532.9	218.1	259.4	1194.9	5906.2
#2	52.10	528.7	218.9	253.2	1194.7	6011.1
#3	52.54	532.3	218.4	256.3	1191.6	5951.7
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18565S Acquired: 1/10/2012 12:16:35 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05S Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**21251.**	**530.6**	**154010.**	**564.5**	**24.02**	**98.37**
Stddev	33.	1.7	387.	2.4	2.08	2.90
%RSD	.15331	.3227	.25128	.4185	8.675	2.952
#1	21271.	529.8	154390.	566.3	26.43	95.17
#2	21268.	532.5	154010.	561.9	22.86	99.08
#3	21213.	529.3	153620.	565.5	22.78	100.8
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**60.94**	**50.94**	**534.9**	**594.9**
Stddev	1.12	.47	1.0	1.2
%RSD	1.838	.9179	.1873	.2051
#1	61.97	51.09	535.0	595.8
#2	61.11	50.42	535.8	593.5
#3	59.75	51.32	533.8	595.4
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18565S Acquired: 1/10/2012 12:16:35 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05S Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19292.**	**356100.**	**37780.**
Stddev	223.	2527.	293.
%RSD	1.1576	.70971	.77505
#1	19524.	358670.	38114.
#2	19274.	356020.	37658.
#3	19079.	353620.	37567.

Sample Name: 18565A Acquired: 1/10/2012 12:20:41 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05A Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**14.85**	**423.44**	**20.73**	**461.0**	**10.55**	**108300.**
Stddev	1.39	23.06	3.16	2.5	.10	235.
%RSD	9.385	5.4457	15.23	.5356	.9090	.21668
#1	15.92	399.62	20.48	463.3	10.65	108510.
#2	13.27	425.05	24.00	458.4	10.53	108050.
#3	15.35	445.66	17.70	461.4	10.46	108340.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**10.46**	**104.6**	**31.58**	**51.27**	**327.75**	**15570.**
Stddev	.29	1.5	.59	1.66	3.15	55.
%RSD	2.783	1.455	1.864	3.238	.96078	.35218
#1	10.79	104.4	31.50	52.86	329.12	15626.
#2	10.34	106.2	32.21	51.40	329.97	15568.
#3	10.25	103.1	31.04	49.55	324.14	15517.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18565A Acquired: 1/10/2012 12:20:41 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05A Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31510.**	**47.41**	**164350.**	**114.7**	**23.76**	**112.8**
Stddev	157.	.60	1006.	1.1	.78	1.8
%RSD	.49709	1.266	.61204	.9417	3.280	1.615
#1	31647.	48.00	165220.	114.1	23.19	112.5
#2	31339.	47.42	163250.	116.0	24.64	114.8
#3	31543.	46.80	164570.	114.1	23.43	111.2
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**77.32**	**49.84**	**113.0**	**160.1**
Stddev	2.72	1.83	1.5	2.1
%RSD	3.522	3.665	1.345	1.293
#1	74.19	48.20	114.3	159.2
#2	78.58	51.81	113.3	162.4
#3	79.18	49.51	111.3	158.6
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18565A Acquired: 1/10/2012 12:20:41 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A05A Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18902.**	**343560.**	**35961.**
Stddev	282.	674.	219.
%RSD	1.4894	.19628	.60808
#1	19224.	343340.	35833.
#2	18780.	344320.	36213.
#3	18702.	343030.	35835.

Sample Name: 18560 Acquired: 1/10/2012 12:24:49 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A00 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.155**	**53.272**	**-.1439**	**43.04**	**.0995**	**69520.**
Stddev	.989	29.168	2.600	.24	.0329	94.
%RSD	13.83	54.754	1807.	.5610	33.05	.13470
#1	-6.018	39.001	2.843	42.80	.0985	69443.
#2	-7.624	33.987	-1.901	43.04	.1328	69624.
#3	-7.822	86.828	-1.373	43.28	.0671	69493.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1031**	**.0755**	**4.586**	**3.859**	**67.385**	**5743.2**
Stddev	.0524	.1814	.089	2.391	2.979	22.1
%RSD	50.78	240.2	1.952	61.97	4.4210	.38397
#1	.1576	.2722	4.611	1.461	64.148	5755.1
#2	.0531	.0393	4.486	3.871	70.011	5756.8
#3	.0987	-.0850	4.660	6.244	67.996	5717.8
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18560 Acquired: 1/10/2012 12:24:49 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A00 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**16922.**	**33.17**	**135090.**	**7.400**	**1.646**	**-2.564**
Stddev	17.	.65	229.	.014	1.170	2.624
%RSD	.10216	1.960	.16966	.1906	71.07	102.3
#1	16908.	32.58	135000.	7.385	.5284	-2.901
#2	16941.	33.07	135350.	7.401	2.862	-5.004
#3	16916.	33.87	134910.	7.413	1.548	.2113
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**4.385**	**-2.387**	**5.933**	**5.961**
Stddev	1.295	1.879	.590	.130
%RSD	29.54	78.72	9.950	2.185
#1	5.654	-.6059	5.596	6.108
#2	3.065	-2.205	6.614	5.915
#3	4.436	-4.351	5.588	5.860
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18560 Acquired: 1/10/2012 12:24:49 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A00 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19906.**	**366130.**	**39090.**
Stddev	161.	6714.	9.
%RSD	.80926	1.8338	.02365
#1	20090.	372070.	39080.
#2	19839.	367470.	39095.
#3	19789.	358850.	39096.

Sample Name: 18561 Acquired: 1/10/2012 12:29:01 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A01 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.991**	**65.898**	**.7129**	**46.50**	**.0337**	**70012.**
Stddev	.231	17.340	2.790	1.74	.0350	129.
%RSD	3.308	26.313	391.3	3.745	103.9	.18434
#1	-6.728	61.630	3.402	44.78	.0652	70156.
#2	-7.085	84.974	-2.168	46.44	-.0040	69975.
#3	-7.161	51.092	.9047	48.26	.0398	69905.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3118**	**.9520**	**10.48**	**3.314**	**106.76**	**5790.8**
Stddev	.3791	.2356	.26	1.853	3.58	7.7
%RSD	121.6	24.75	2.455	55.92	3.3567	.13234
#1	-.2256	1.207	10.64	4.958	108.90	5786.3
#2	-.7267	.7421	10.62	3.677	108.76	5799.6
#3	.0167	.9070	10.19	1.306	102.62	5786.4
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18561 Acquired: 1/10/2012 12:29:01 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A01 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**17073.**	**28.56**	**137130.**	**12.89**	**3.659**	**-1.872**
Stddev	88.	.19	273.	.35	1.237	1.247
%RSD	.51287	.6625	.19893	2.690	33.80	66.62
#1	17159.	28.55	137030.	12.66	2.566	-3.012
#2	16984.	28.76	136930.	13.29	5.002	-.5398
#3	17076.	28.38	137440.	12.72	3.409	-2.064
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**7.425**	**-.9151**	**5.981**	**5.809**
Stddev	.987	1.053	.452	.167
%RSD	13.29	115.1	7.552	2.873
#1	6.558	-.9089	5.477	5.988
#2	7.217	-1.971	6.350	5.657
#3	8.498	.1347	6.115	5.783
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18561 Acquired: 1/10/2012 12:29:01 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A01 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**17995.**	**331930.**	**34588.**
Stddev	260.	2891.	691.
%RSD	1.4464	.87083	1.9983
#1	18239.	334550.	35328.
#2	17721.	328830.	34478.
#3	18026.	332410.	33959.

Sample Name: 18562 Acquired: 1/10/2012 12:33:11 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A02 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.400**	**213.70**	**6.665**	**52.24**	**-.0232**	**255370.**
Stddev	.217	28.17	.432	.61	.0572	4365.
%RSD	3.384	13.180	6.487	1.170	246.7	1.7094
#1	-6.151	213.06	6.625	52.69	-.0154	254050.
#2	-6.504	242.17	6.255	51.54	.0297	260240.
#3	-6.546	185.86	7.116	52.48	-.0838	251810.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2170**	**1.834**	**40.44**	**3.234**	**220.24**	**8393.4**
Stddev	.1120	.442	.51	.950	4.08	76.8
%RSD	51.64	24.10	1.271	29.37	1.8539	.91512
#1	.3251	1.337	40.28	2.297	219.53	8448.2
#2	.2245	1.982	40.03	4.196	224.63	8305.6
#3	.1014	2.183	41.02	3.210	216.56	8426.4
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18562 Acquired: 1/10/2012 12:33:11 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A02 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35917.**	**24.94**	**295990.**	**27.35**	**2.671**	**-2.673**
Stddev	38.	.26	868.	.17	1.552	.799
%RSD	.10482	1.062	.29319	.6045	58.12	29.90
#1	35896.	24.73	295730.	27.34	3.512	-2.977
#2	35961.	24.86	295290.	27.20	3.620	-3.275
#3	35895.	25.24	296960.	27.53	.8796	-1.766
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**14.65**	**-2.338**	**39.44**	**11.43**
Stddev	2.47	.778	.61	.15
%RSD	16.88	33.29	1.558	1.274
#1	13.83	-1.482	38.73	11.46
#2	17.43	-2.528	39.75	11.57
#3	12.69	-3.004	39.84	11.28
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18562 Acquired: 1/10/2012 12:33:11 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A02 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19384.**	**352250.**	**37134.**
Stddev	242.	2300.	196.
%RSD	1.2484	.65293	.52898
#1	19556.	354190.	37200.
#2	19490.	352860.	36913.
#3	19108.	349710.	37289.

Sample Name: 18563 Acquired: 1/10/2012 12:37:40 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A03 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.270**	**153.27**	**4.204**	**45.71**	**.1242**	**92215.**
Stddev	.181	17.75	3.717	.70	.0496	145.
%RSD	2.492	11.580	88.41	1.530	39.94	.15691
#1	-7.393	172.75	4.804	45.70	.1767	92282.
#2	-7.356	138.03	7.585	45.01	.0781	92315.
#3	-7.062	149.02	.2239	46.41	.1179	92049.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1905**	**1.196**	**21.87**	**4.138**	**273.48**	**5452.7**
Stddev	.1037	.096	.40	2.207	2.89	125.6
%RSD	54.43	8.028	1.828	53.34	1.0571	2.3026
#1	.1108	1.119	21.96	4.338	271.17	5543.3
#2	.3078	1.164	22.21	1.837	276.72	5505.4
#3	.1530	1.303	21.43	6.238	272.54	5309.4
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18563 Acquired: 1/10/2012 12:37:40 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A03 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**19602.**	**287.4**	**151860.**	**23.59**	**3.787**	**-2.956**
Stddev	21.	1.1	470.	.52	1.136	1.179
%RSD	.10745	.3797	.30930	2.197	30.00	39.87
#1	19583.	287.8	151910.	23.38	4.220	-4.174
#2	19625.	286.2	152300.	23.21	2.498	-2.873
#3	19597.	288.2	151360.	24.18	4.643	-1.821
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**5.465**	**-2.671**	**6.412**	**6.577**
Stddev	2.538	1.098	.231	.108
%RSD	46.45	41.10	3.603	1.645
#1	4.449	-3.924	6.676	6.672
#2	8.353	-1.879	6.250	6.600
#3	3.591	-2.209	6.308	6.459
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18563 Acquired: 1/10/2012 12:37:40 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A03 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18528.**	**337250.**	**35357.**
Stddev	120.	3265.	120.
%RSD	.64607	.96801	.34009
#1	18666.	339830.	35494.
#2	18458.	338330.	35270.
#3	18460.	333580.	35306.

Sample Name: 18564 Acquired: 1/10/2012 12:41:51 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A04 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.972**	**-20.332**	**.3154**	**3.702**	**.0850**	**24.267**
Stddev	.403	17.095	4.522	.158	.0416	.824
%RSD	6.741	84.077	1434.	4.268	48.89	3.3948
#1	-5.675	-1.5282	-4.889	3.883	.0742	23.498
#2	-6.430	-24.535	3.285	3.590	.1309	25.136
#3	-5.812	-34.934	2.550	3.633	.0499	24.166
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4731**	**-.1146**	**.4150**	**.7026**	**1.1927**	**-1389.9**
Stddev	.1093	.2939	.6899	3.136	2.4410	51.2
%RSD	23.10	256.5	166.2	446.3	204.66	3.6868
#1	-.3535	-.1495	1.153	4.190	1.1085	-1348.1
#2	-.4982	.1952	.3057	-.1968	3.6746	-1374.5
#3	-.5677	-.3895	-.2137	-1.885	-1.2051	-1447.0
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18564 Acquired: 1/10/2012 12:41:51 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A04 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-25.287**	**-.0050**	**-53.178**	**-.2536**	**1.627**	**-3.405**
Stddev	1.407	.0495	17.446	.4081	2.135	1.856
%RSD	5.5639	999.1	32.807	160.9	131.3	54.50
#1	-26.911	-.0551	-35.038	.2146	2.958	-3.287
#2	-24.491	.0438	-54.661	-.5343	-.8359	-5.317
#3	-24.458	-.0035	-69.836	-.4410	2.757	-1.611
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**-.8588**	**-.3761**	**-.0075**	**1.548**
Stddev	1.525	2.296	1.339	.169
%RSD	177.6	610.5	17760.	10.93
#1	-2.595	-2.994	1.123	1.429
#2	-.2426	1.295	-1.486	1.742
#3	.2616	.5710	.3398	1.472
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18564 Acquired: 1/10/2012 12:41:51 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A04 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18185.**	**334160.**	**35957.**
Stddev	124.	5794.	311.
%RSD	.68283	1.7339	.86490
#1	18158.	339560.	36195.
#2	18320.	334880.	36071.
#3	18076.	328040.	35605.

Sample Name: 18566 Acquired: 1/10/2012 12:46:03 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A10 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.415**	**262.73**	**9.617**	**66.70**	**.1854**	**244310.**
Stddev	.895	35.54	.880	.70	.0683	1158.
%RSD	12.08	13.526	9.154	1.055	36.82	.47378
#1	-6.412	272.41	9.348	66.90	.1114	243910.
#2	-8.134	223.36	8.902	67.28	.1987	245620.
#3	-7.699	292.42	10.60	65.92	.2460	243410.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3978**	**.8879**	**369.6**	**4.401**	**523.08**	**7400.3**
Stddev	.2836	.2922	1.8	.504	3.91	25.2
%RSD	71.29	32.91	.4844	11.44	.74796	.34025
#1	.7197	.7378	369.2	3.923	524.62	7374.7
#2	.2890	1.225	371.6	4.353	518.63	7425.1
#3	.1847	.7012	368.1	4.927	525.99	7401.2
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18566 Acquired: 1/10/2012 12:46:03 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A10 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**39918.**	**196.1**	**276880.**	**8.078**	**3.816**	**-2.929**
Stddev	158.	1.1	1694.	.186	2.042	1.057
%RSD	.39457	.5579	.61162	2.302	53.51	36.07
#1	40032.	196.0	275430.	8.153	1.672	-2.606
#2	39738.	197.3	276470.	8.215	5.737	-4.110
#3	39983.	195.1	278750.	7.866	4.039	-2.073
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**18.97**	**-3.230**	**39.20**	**7.605**
Stddev	1.94	3.259	.39	.139
%RSD	10.20	100.9	.9929	1.825
#1	20.51	-6.496	39.61	7.610
#2	19.60	.0226	38.83	7.464
#3	16.80	-3.217	39.17	7.741
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18566 Acquired: 1/10/2012 12:46:03 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A10 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19522.**	**353940.**	**37331.**
Stddev	101.	2262.	131.
%RSD	.51731	.63905	.35074
#1	19410.	356140.	37471.
#2	19550.	351620.	37309.
#3	19606.	354060.	37212.

Sample Name: 18567 Acquired: 1/10/2012 12:50:32 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A11 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.198**	**202.10**	**6.265**	**111.7**	**.1880**	**101620.**
Stddev	1.027	2.32	4.525	.8	.1242	225.
%RSD	12.53	1.1488	72.23	.7345	66.09	.22119
#1	-9.384	202.69	11.41	110.8	.0879	101360.
#2	-7.633	204.07	4.479	112.0	.1491	101690.
#3	-7.578	199.54	2.905	112.3	.3270	101790.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1250**	**2.383**	**14.11**	**5.128**	**458.69**	**8155.0**
Stddev	.1129	.241	.24	2.128	4.08	18.0
%RSD	90.32	10.14	1.721	41.49	.88847	.22035
#1	-.0021	2.510	13.86	4.150	454.20	8136.8
#2	.2135	2.104	14.13	7.569	459.71	8155.4
#3	.1636	2.534	14.35	3.666	462.16	8172.8
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18567 Acquired: 1/10/2012 12:50:32 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A11 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**35469.**	**586.0**	**198030.**	**17.85**	**3.345**	**-2.297**
Stddev	174.	1.5	953.	.12	1.396	1.358
%RSD	.48980	.2482	.48128	.6849	41.73	59.13
#1	35272.	584.4	196980.	17.85	4.840	-1.058
#2	35600.	586.6	198250.	17.97	3.118	-3.749
#3	35536.	587.1	198850.	17.73	2.076	-2.085
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**3.746**	**-2.218**	**3.132**	**6.858**
Stddev	1.501	.670	.256	.234
%RSD	40.08	30.22	8.186	3.404
#1	2.016	-1.506	3.395	6.798
#2	4.705	-2.312	3.117	7.116
#3	4.517	-2.837	2.883	6.661
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18567 Acquired: 1/10/2012 12:50:32 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A11 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19259.**	**354010.**	**36907.**
Stddev	145.	1458.	89.
%RSD	.75440	.41177	.24024
#1	19423.	355520.	36806.
#2	19208.	353890.	36944.
#3	19147.	352610.	36971.

Sample Name: 18568 Acquired: 1/10/2012 12:54:45 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A06 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-5.830**	**80.581**	**6.668**	**42.31**	**.0060**	**241050.**
Stddev	.515	27.918	1.183	.40	.0670	1458.
%RSD	8.837	34.646	17.74	.9425	1110.	.60502
#1	-5.237	111.54	7.347	42.47	.0183	240860.
#2	-6.161	72.900	7.356	41.86	-.0663	242600.
#3	-6.093	57.308	5.302	42.60	.0661	239700.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.6046**	**.6284**	**153.0**	**1.632**	**70.833**	**6679.1**
Stddev	.1871	.2263	1.2	2.571	3.749	38.5
%RSD	30.95	36.01	.7968	157.5	5.2933	.57704
#1	.4672	.5104	151.8	2.868	71.431	6689.4
#2	.8177	.4854	153.0	3.353	74.247	6711.5
#3	.5288	.8893	154.3	-1.323	66.820	6636.5
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18568 Acquired: 1/10/2012 12:54:45 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A06 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37175.**	**10.65**	**269290.**	**7.505**	**3.414**	**-6.898**
Stddev	114.	.04	3074.	.271	.279	1.036
%RSD	.30728	.3802	1.1415	3.607	8.162	15.02
#1	37082.	10.64	265960.	7.739	3.641	-6.698
#2	37303.	10.62	272010.	7.566	3.103	-5.976
#3	37142.	10.70	269900.	7.209	3.498	-8.019
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**16.04**	**-2.946**	**41.19**	**4.765**
Stddev	.37	1.058	.24	.245
%RSD	2.318	35.92	.5760	5.138
#1	15.66	-4.039	40.95	4.983
#2	16.40	-1.926	41.22	4.811
#3	16.06	-2.875	41.42	4.500
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18568 Acquired: 1/10/2012 12:54:45 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A06 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**20150.**	**362410.**	**38978.**
Stddev	53.	3334.	175.
%RSD	.26065	.91988	.44982
#1	20105.	365480.	38957.
#2	20138.	362880.	38814.
#3	20208.	358860.	39163.

Sample Name: 18569 Acquired: 1/10/2012 12:59:15 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A07 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.046**	**73.801**	**1.534**	**61.74**	**.0179**	**88954.**
Stddev	.503	15.868	2.312	.49	.1187	30.
%RSD	8.316	21.501	150.7	.7965	661.8	.03338
#1	-5.492	56.040	-1.128	62.30	.1118	88965.
#2	-6.473	86.580	3.041	61.46	.0575	88921.
#3	-6.174	78.782	2.689	61.45	-.1155	88977.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.2832**	**2.151**	**7.430**	**3.348**	**111.22**	**7915.3**
Stddev	.1673	.110	.379	1.987	3.83	42.2
%RSD	59.06	5.096	5.098	59.36	3.4452	.53262
#1	.2747	2.039	7.106	5.611	111.33	7935.1
#2	.4545	2.155	7.336	2.550	107.34	7866.9
#3	.1203	2.259	7.846	1.884	115.00	7943.9
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18569 Acquired: 1/10/2012 12:59:15 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A07 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**31251.**	**148.3**	**192030.**	**20.65**	**2.219**	**-1.420**
Stddev	180.	1.5	1323.	.66	.700	1.559
%RSD	.57717	1.031	.68916	3.180	31.53	109.8
#1	31349.	146.7	192800.	19.92	2.984	-3.164
#2	31043.	148.6	190500.	20.83	1.613	-.9356
#3	31362.	149.7	192790.	21.20	2.059	-.1598
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**5.127**	**-1.234**	**5.992**	**7.177**
Stddev	.595	.054	.576	.057
%RSD	11.60	4.406	9.606	.7993
#1	4.463	-1.296	6.558	7.208
#2	5.609	-1.197	6.010	7.212
#3	5.310	-1.209	5.407	7.111
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18569 Acquired: 1/10/2012 12:59:15 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A07 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18679.**	**346220.**	**36045.**
Stddev	283.	4774.	370.
%RSD	1.5161	1.3790	1.0265
#1	18972.	351610.	36446.
#2	18659.	344490.	35972.
#3	18406.	342540.	35717.

Sample Name: 18570 Acquired: 1/10/2012 13:03:27 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A12 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.888**	**93.249**	**6.882**	**35.64**	**.0471**	**178380.**
Stddev	.075	11.835	4.298	1.31	.0396	392.
%RSD	1.090	12.692	62.44	3.672	83.95	.21984
#1	-6.835	79.820	7.178	34.22	.0681	177920.
#2	-6.974	102.16	2.444	35.93	.0717	178580.
#3	-6.855	97.767	11.02	36.79	.0015	178620.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4256**	**.1148**	**156.8**	**4.765**	**92.680**	**10335.**
Stddev	.2074	.5859	1.1	.407	1.038	120.
%RSD	48.74	510.4	.7090	8.551	1.1202	1.1650
#1	.5281	-.4444	156.0	4.849	91.541	10224.
#2	.5618	.7241	156.4	4.322	93.574	10463.
#3	.1869	.0646	158.1	5.124	92.923	10318.
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18570 Acquired: 1/10/2012 13:03:27 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A12 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**33728.**	**14.68**	**247010.**	**3.212**	**1.486**	**-5.657**
Stddev	123.	.10	3403.	.292	.827	.818
%RSD	.36496	.7069	1.3775	9.098	55.68	14.46
#1	33586.	14.60	244450.	3.132	1.715	-5.253
#2	33790.	14.65	250870.	3.536	2.174	-6.598
#3	33808.	14.80	245700.	2.968	.5682	-5.119
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**10.86**	**-2.831**	**73.09**	**13.63**
Stddev	.68	.546	.19	.09
%RSD	6.292	19.30	.2597	.6643
#1	11.18	-3.421	73.04	13.54
#2	11.32	-2.728	72.92	13.64
#3	10.07	-2.343	73.29	13.72
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18570 Acquired: 1/10/2012 13:03:27 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A12 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19603.**	**352910.**	**37507.**
Stddev	7.	3118.	214.
%RSD	.03786	.88343	.57014
#1	19611.	354930.	37736.
#2	19603.	354490.	37312.
#3	19596.	349320.	37472.

Sample Name: 18571 Acquired: 1/10/2012 13:07:48 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A13 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	s **-15.70**	**444.10**	k **.0918**	**54.65**	k **.1303**	**91760.**
Stddev	17.05	24.39	2.219	.71	.0723	116.
%RSD	108.6	5.4928	2417.	1.301	55.50	.12601
#1	s -35.35	441.18	k -2.261	55.07	k .0833	91635.
#2	-4.899	421.30	2.148	53.83	.2136	91863.
#3	-6.846	469.83	.3888	55.06	.0941	91781.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.2490**	**4.051**	s **39.50**	s **12.89**	**554.51**	**6218.7**
Stddev	.1816	.259	6.80	1.31	3.57	16.4
%RSD	72.93	6.389	17.23	10.20	.64409	.26406
#1	-.3524	4.292	s 47.35	s 14.41	552.15	6233.6
#2	-.0393	3.777	35.22	12.11	558.62	6221.6
#3	-.3554	4.082	35.93	12.15	552.76	6201.1
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18571 Acquired: 1/10/2012 13:07:48 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A13 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**23624.**	s **138.4**	**126570.**	**40.66**	k **3.528**	k **-.2421**
Stddev	63.	25.5	128.	.17	.995	.2763
%RSD	.26659	18.43	.10128	.4189	28.20	114.1
#1	23552.	s 167.8	126430.	40.58	k 4.665	k -.1247
#2	23656.	122.3	126650.	40.54	3.105	-.5576
#3	23665.	125.0	126650.	40.85	2.815	-.0438
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**8.887**	k **-1.586**	s **11.60**	k **14.48**
Stddev	2.051	1.304	1.72	.14
%RSD	23.08	82.21	14.81	.9715
#1	10.71	k -1.617	s 13.58	k 14.53
#2	6.664	-.2670	10.60	14.58
#3	9.291	-2.874	10.61	14.32
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18571 Acquired: 1/10/2012 13:07:48 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A13 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18498.**	^ *****	**35831.**
Stddev	96.	-----	211.
%RSD	.51631	-----	.58991
#1	18518.	^ -----	36070.
#2	18583.	344370.	35755.
#3	18395.	334460.	35668.

Sample Name: 18572 Acquired: 1/10/2012 13:11:56 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A14 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.162**	**69.991**	**7.937**	**39.96**	**.0827**	**210620.**
Stddev	.482	34.098	2.918	.16	.0623	1474.
%RSD	6.734	48.718	36.77	.4066	75.33	.69999
#1	-6.610	31.174	10.51	40.08	.1416	209140.
#2	-7.497	83.692	4.764	39.78	.0891	212080.
#3	-7.381	95.108	8.542	40.03	.0175	210640.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4677**	**.3458**	**269.4**	**9.356**	**152.71**	**6055.1**
Stddev	.0999	.4418	.9	1.132	3.32	24.7
%RSD	21.36	127.8	.3260	12.10	2.1722	.40749
#1	.5523	-.0922	268.4	9.953	149.77	6067.6
#2	.4933	.3382	269.9	8.050	152.06	6026.7
#3	.3575	.7913	269.8	10.06	156.31	6071.1
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18572 Acquired: 1/10/2012 13:11:56 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A14 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**49705.**	**24.79**	**401560.**	**11.85**	**3.479**	**-3.684**
Stddev	170.	.10	5790.	.26	.630	2.841
%RSD	.34298	.4091	1.4420	2.177	18.12	77.12
#1	49647.	24.74	397570.	11.58	3.145	-1.954
#2	49571.	24.91	398900.	11.87	3.086	-6.963
#3	49897.	24.72	408200.	12.09	4.206	-2.135
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**9.664**	**-.7758**	**54.03**	**28.15**
Stddev	1.830	.2456	.24	.14
%RSD	18.94	31.66	.4361	.4837
#1	8.738	-.5937	54.29	28.01
#2	11.77	-.6785	53.85	28.17
#3	8.481	-1.055	53.93	28.28
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18572 Acquired: 1/10/2012 13:11:56 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A14 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18965.**	**346160.**	**36608.**
Stddev	9.	4280.	277.
%RSD	.04859	1.2365	.75685
#1	18966.	350220.	36827.
#2	18956.	346560.	36701.
#3	18974.	341690.	36297.

Sample Name: 18573 Acquired: 1/10/2012 13:16:22 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A15 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.988**	**-28.932**	**-.3679**	**4.919**	**.0675**	**21.213**
Stddev	.810	12.070	4.660	.676	.0810	6.032
%RSD	11.59	41.719	1267.	13.75	120.0	28.436
#1	-7.513	-31.413	2.782	4.227	-.0198	28.179
#2	-6.056	-15.814	1.836	4.950	.1403	17.695
#3	-7.397	-39.570	-5.721	5.579	.0821	17.767
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.3679**	**-.2057**	**.1585**	**1.816**	**3.0370**	**-1369.7**
Stddev	.1710	.5454	.2417	1.811	1.6244	50.9
%RSD	46.47	265.1	152.5	99.73	53.487	3.7143
#1	-.2353	-.7981	.4074	.6398	2.2135	-1343.6
#2	-.3075	-.0947	.1432	3.902	1.9894	-1337.1
#3	-.5609	.2756	-.0752	.9066	4.9083	-1428.3
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18573 Acquired: 1/10/2012 13:16:22 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A15 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**1.9162**	**-.0030**	**55.103**	**-.1123**	**1.254**	**.0957**
Stddev	15.732	.1207	25.189	.2849	1.585	2.191
%RSD	820.98	4086.	45.712	253.6	126.4	2291.
#1	15.922	.0304	81.916	.1357	-.5448	1.896
#2	4.9315	.0975	51.460	-.0492	1.861	-2.344
#3	-15.105	-.1368	31.935	-.4235	2.446	.7353
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**1.527**	**-2.399**	**-.7104**	**1.461**
Stddev	2.509	.274	.3250	.067
%RSD	164.3	11.44	45.75	4.608
#1	.4977	-2.700	-1.074	1.489
#2	-.3033	-2.163	-.6084	1.385
#3	4.387	-2.334	-.4486	1.510
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18573 Acquired: 1/10/2012 13:16:22 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A15 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18450.**	**326060.**	**34515.**
Stddev	532.	8303.	519.
%RSD	2.8844	2.5464	1.5049
#1	19064.	330710.	35063.
#2	18159.	331000.	34452.
#3	18126.	316480.	34030.

Sample Name: 18574 Acquired: 1/10/2012 13:20:30 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A16 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.497**	**136.99**	**7.828**	**38.58**	**.1354**	**204050.**
Stddev	1.118	17.91	1.192	.40	.0864	1586.
%RSD	17.21	13.076	15.23	1.044	63.81	.77743
#1	-5.364	128.51	7.942	38.66	.0364	205770.
#2	-6.527	124.90	8.959	38.95	.1956	203730.
#3	-7.599	157.57	6.583	38.15	.1740	202650.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3684**	**.7948**	**125.6**	**.7560**	**193.98**	**6248.4**
Stddev	.2674	.3031	.2	1.713	3.75	61.9
%RSD	72.58	38.13	.1489	226.6	1.9323	.99010
#1	.3417	1.116	125.5	1.802	190.19	6214.2
#2	.6481	.7536	125.5	-1.221	197.69	6319.9
#3	.1154	.5144	125.8	1.686	194.07	6211.3
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18574 Acquired: 1/10/2012 13:20:30 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A16 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**43310.**	**45.53**	**297440.**	**3.196**	**3.786**	**-1.454**
Stddev	113.	.29	902.	.057	1.040	.681
%RSD	.26072	.6437	.30317	1.778	27.46	46.82
#1	43368.	45.19	298170.	3.179	3.551	-1.193
#2	43180.	45.68	296430.	3.150	4.924	-2.227
#3	43382.	45.71	297710.	3.260	2.885	-.9423
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**12.40**	**-2.655**	**58.25**	**4.612**
Stddev	3.49	.599	.72	.261
%RSD	28.15	22.56	1.229	5.656
#1	15.61	-1.969	57.75	4.321
#2	12.90	-3.075	57.92	4.824
#3	8.686	-2.922	59.07	4.691
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18574 Acquired: 1/10/2012 13:20:30 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A16 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19107.**	**345760.**	**36445.**
Stddev	31.	703.	110.
%RSD	.16275	.20336	.30229
#1	19133.	346560.	36383.
#2	19072.	345490.	36380.
#3	19116.	345230.	36572.

Sample Name: 18575 Acquired: 1/10/2012 13:24:58 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A17 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.416**	**84.784**	**4.534**	**108.3**	**-.0177**	**112690.**
Stddev	1.800	27.070	3.616	.9	.0734	181.
%RSD	28.06	31.928	79.76	.8431	415.7	.16063
#1	-8.480	68.334	8.087	108.4	.0636	112540.
#2	-5.598	116.03	4.658	107.4	-.0374	112650.
#3	-5.170	69.991	.8573	109.2	-.0792	112890.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.1552**	**3.125**	**8.067**	**1.227**	**337.04**	**7755.4**
Stddev	.1625	.161	.545	2.129	2.51	75.1
%RSD	104.8	5.150	6.756	173.5	.74358	.96871
#1	.2285	3.067	7.479	3.657	335.37	7719.8
#2	-.0311	3.306	8.167	-.3075	335.83	7704.7
#3	.2681	3.000	8.556	.3312	339.92	7841.7
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18575 Acquired: 1/10/2012 13:24:58 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A17 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**41072.**	**740.9**	**188640.**	**21.89**	**2.531**	**-3.000**
Stddev	214.	2.5	1191.	.09	.602	3.497
%RSD	.52072	.3394	.63112	.3890	23.78	116.6
#1	40862.	743.8	187730.	21.98	1.840	-.4552
#2	41064.	739.3	188210.	21.81	2.809	-1.557
#3	41289.	739.6	189990.	21.88	2.944	-6.988
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**4.178**	**-1.869**	**3.001**	**5.694**
Stddev	2.014	.873	.633	.200
%RSD	48.20	46.72	21.09	3.517
#1	5.602	-1.474	2.510	5.475
#2	5.059	-2.869	2.777	5.738
#3	1.874	-1.263	3.715	5.868
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18575 Acquired: 1/10/2012 13:24:58 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A17 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18834.**	**342060.**	**35962.**
Stddev	124.	1141.	130.
%RSD	.65629	.33351	.36204
#1	18976.	341030.	36111.
#2	18776.	343290.	35906.
#3	18749.	341860.	35870.

Sample Name: 18576 Acquired: 1/10/2012 13:29:08 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A18 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.973**	**259.33**	**11.24**	**35.17**	**.0961**	**183850.**
Stddev	.599	36.42	2.14	.27	.0402	867.
%RSD	8.582	14.042	19.02	.7642	41.89	.47154
#1	-6.831	265.78	11.49	35.48	.0680	184730.
#2	-7.630	220.12	13.24	35.03	.1422	183840.
#3	-6.459	292.09	8.990	34.99	.0780	182990.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.4355**	**.8586**	**201.6**	**.2361**	**248.64**	**4019.6**
Stddev	.0468	.4662	.6	1.870	6.03	58.4
%RSD	10.74	54.29	.3023	792.2	2.4249	1.4527
#1	.4524	1.090	202.1	2.313	250.40	4061.7
#2	.3826	.3220	201.7	-1.315	253.59	3952.9
#3	.4715	1.164	200.9	-.2900	241.92	4044.1
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18576 Acquired: 1/10/2012 13:29:08 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A18 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**64185.**	**43.40**	**290390.**	**5.245**	**4.896**	**-2.730**
Stddev	374.	.07	4709.	.290	1.688	.652
%RSD	.58307	.1566	1.6215	5.539	34.48	23.87
#1	64483.	43.36	292590.	5.559	4.604	-2.610
#2	64306.	43.48	293600.	4.986	3.372	-2.146
#3	63765.	43.36	284980.	5.189	6.710	-3.433
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**11.41**	**-1.864**	**94.79**	**6.021**
Stddev	2.35	.239	.82	.039
%RSD	20.60	12.82	.8692	.6387
#1	13.12	-1.679	95.55	6.001
#2	8.732	-1.780	94.92	5.996
#3	12.39	-2.133	93.91	6.065
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18576 Acquired: 1/10/2012 13:29:08 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A18 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19247.**	**352660.**	**36603.**
Stddev	336.	621.	124.
%RSD	1.7436	.17611	.33809
#1	19416.	351970.	36474.
#2	19465.	352830.	36615.
#3	18861.	353180.	36720.

Sample Name: 18577 Acquired: 1/10/2012 13:33:27 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A19 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.136**	**21.619**	**13.55**	**34.54**	**-.0279**	**224720.**
Stddev	1.090	18.100	3.51	.65	.0491	2991.
%RSD	15.28	83.726	25.90	1.881	176.0	1.3308
#1	-7.945	36.234	16.98	34.05	-.0005	221270.
#2	-5.896	1.3720	9.968	34.30	.0014	226460.
#3	-7.567	27.250	13.69	35.28	-.0847	226440.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3277**	**-.2459**	**957.8**	**.0229**	**26.167**	**5162.5**
Stddev	.1072	.3621	8.8	3.123	.904	13.8
%RSD	32.71	147.3	.9217	13660.	3.4532	.26657
#1	.2153	-.3648	965.6	-3.074	26.614	5148.1
#2	.3391	.1607	948.2	-.0285	25.127	5175.5
#3	.4287	-.5337	959.4	3.171	26.760	5163.9
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18577 Acquired: 1/10/2012 13:33:27 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A19 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**52623.**	**2.092**	**394510.**	**5.730**	**2.971**	**-4.252**
Stddev	96.	.041	4869.	.099	.203	1.282
%RSD	.18153	1.966	1.2342	1.735	6.820	30.16
#1	52628.	2.079	389390.	5.623	2.946	-5.214
#2	52525.	2.138	395080.	5.748	3.185	-2.796
#3	52716.	2.058	399070.	5.820	2.782	-4.746
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**14.96**	**-2.419**	**94.06**	**3.693**
Stddev	1.60	1.262	.64	.313
%RSD	10.68	52.17	.6753	8.462
#1	13.12	-3.342	94.69	4.013
#2	15.89	-2.935	93.42	3.388
#3	15.89	-.9811	94.06	3.678
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18577 Acquired: 1/10/2012 13:33:27 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A19 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19152.**	**348940.**	**37063.**
Stddev	56.	2172.	97.
%RSD	.29156	.62255	.26287
#1	19124.	348380.	37176.
#2	19216.	351340.	37009.
#3	19116.	347110.	37005.

Sample Name: 18578 Acquired: 1/10/2012 13:37:57 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A20 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-6.478**	**-13.132**	**7.134**	**42.19**	**-.0175**	**182270.**
Stddev	.970	9.618	3.697	1.08	.0445	1731.
%RSD	14.98	73.245	51.83	2.554	254.4	.94994
#1	-7.598	-4.0047	10.75	42.65	.0339	183060.
#2	-5.926	-23.176	3.361	42.96	-.0429	183460.
#3	-5.909	-12.215	7.291	40.96	-.0435	180280.
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**.3788**	**.0792**	**499.2**	**2.119**	**6.8760**	**8248.4**
Stddev	.1160	.5247	5.6	.870	2.4214	16.0
%RSD	30.63	662.7	1.127	41.04	35.216	.19352
#1	.4391	.2869	505.3	2.935	5.8542	8265.2
#2	.4523	.4682	494.4	1.204	5.1330	8233.4
#3	.2451	-.5176	497.8	2.220	9.6408	8246.7
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18578 Acquired: 1/10/2012 13:37:57 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A20 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**37118.**	**.5745**	**247290.**	**2.387**	**3.655**	**-3.795**
Stddev	125.	.0534	2499.	.244	2.065	2.167
%RSD	.33736	9.295	1.0106	10.23	56.49	57.10
#1	37078.	.6261	249080.	2.108	5.698	-6.289
#2	37259.	.5779	248360.	2.493	3.696	-2.381
#3	37019.	.5195	244440.	2.561	1.570	-2.713
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**12.80**	**-3.722**	**58.14**	**1.776**
Stddev	.58	.595	.58	.091
%RSD	4.517	15.98	.9937	5.149
#1	12.85	-4.396	58.80	1.785
#2	13.35	-3.497	57.90	1.680
#3	12.20	-3.272	57.72	1.863
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18578 Acquired: 1/10/2012 13:37:57 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A20 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19741.**	**356790.**	**37496.**
Stddev	50.	5147.	177.
%RSD	.25502	1.4425	.47102
#1	19776.	351710.	37360.
#2	19765.	362000.	37695.
#3	19684.	356650.	37432.

2 8/1/10/12

Sample Name: CCV1 Acquired: 1/10/2012 13:42:27 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**492.3**	**258360.**	**4902.**	**5072.**	**523.1**	**257780.**
Stddev	1.7	899.	13.	9.	2.2	3175.
%RSD	.3393	.34813	.2683	.1679	.4216	1.2315
#1	492.8	258480.	4887.	5079.	523.2	260980.
#2	493.6	259190.	4909.	5075.	525.3	257720.
#3	490.4	257400.	4911.	5062.	520.9	254630.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2515.**	**5031.**	**4944.**	**5021.**	**250300.**	**260720.**
Stddev	4.	5.	11.	29.	2838.	935.
%RSD	.1593	.1080	.2292	.5783	1.1338	.35876
#1	2511.	5025.	4950.	4988.	253520.	260770.
#2	2515.	5030.	4950.	5044.	248150.	261630.
#3	2519.	5036.	4930.	5032.	249220.	259760.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

2 SR 1/10/12

Sample Name: CCV~~1~~ Acquired: 1/10/2012 13:42:27 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**255870.**	**5108.**	**246740.**	**5109.**	**4931.**	**4975.**
Stddev	1078.	40.	1037.	3.	13.	17.
%RSD	.42131	.7801	.42019	.0667	.2668	.3344
#1	255780.	5096.	246820.	5112.	4919.	4961.
#2	257000.	5153.	247730.	5110.	4929.	4971.
#3	254850.	5076.	245660.	5106.	4945.	4993.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**5093.**	**5123.**	**5028.**	**5059.**
Stddev	4.	8.	12.	12.
%RSD	.0708	.1474	.2395	.2340
#1	5097.	5127.	5034.	5046.
#2	5092.	5115.	5035.	5063.
#3	5090.	5129.	5014.	5069.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

2 80 1/10/12

Sample Name: CCV~~1~~ Acquired: 1/10/2012 13:42:27 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18868.**	**339570.**	**35753.**
Stddev	67.	1475.	230.
%RSD	.35650	.43443	.64414
#1	18835.	340160.	35547.
#2	18823.	337900.	35710.
#3	18945.	340660.	36002.

2 1/10/12

Sample Name: CCB~~1~~ Acquired: 1/10/2012 13:46:59 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.889**	**-14.756**	**.5787**	**5.397**	**-.0197**	**3.4193**
Stddev	1.246	10.704	3.031	.593	.0800	2.6403
%RSD	15.79	72.538	523.8	10.99	405.6	77.220
#1	-8.026	-15.966	1.590	5.600	.0723	6.4469
#2	-6.580	-3.4986	2.975	4.729	-.0590	2.2163
#3	-9.060	-24.803	-2.829	5.862	-.0725	1.5946
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.0671**	**.2219**	**.4691**	**-1.626**	**11.681**	**-333.28**
Stddev	.3601	.2034	.1596	.606	2.274	112.32
%RSD	536.8	91.65	34.02	37.25	19.465	33.702
#1	-.4805	.4550	.6281	-1.792	9.0835	-205.38
#2	.1004	.1310	.3089	-.9540	13.312	-378.57
#3	.1788	.0799	.4701	-2.130	12.647	-415.89
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

2 SR 1/10/12

Sample Name: CCB~~1~~ Acquired: 1/10/2012 13:46:59 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-10.005**	**.0899**	**-10.620**	**-.2330**	**1.401**	**3.219**
Stddev	32.747	.0845	35.687	.2349	1.141	1.497
%RSD	327.29	94.04	336.03	100.8	81.44	46.50
#1	-4.0861	.0029	19.465	.0337	.1548	3.643
#2	19.378	.0951	-50.049	-.3238	1.654	1.556
#3	-45.308	.1717	-1.2764	-.4089	2.395	4.457
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**3.193**	**1.331**	**.1670**	**.2419**
Stddev	3.858	.492	.2734	.0686
%RSD	120.8	37.00	163.7	28.34
#1	7.479	.8501	.4597	.2406
#2	2.100	1.834	-.0817	.3111
#3	-.0012	1.309	.1230	.1740
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

2 802 1/10/12

Sample Name: CCB~~1~~ Acquired: 1/10/2012 13:46:59 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18499.**	**334020.**	**34689.**
Stddev	203.	3756.	349.
%RSD	1.0988	1.1244	1.0047
#1	18691.	330800.	34879.
#2	18520.	338150.	34902.
#3	18286.	333100.	34287.

Sample Name: 18579 Acquired: 1/10/2012 13:50:54 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A23 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-7.166**	**-11.721**	**-.8219**	**4.771**	**-.0472**	**22.238**
Stddev	.904	9.934	.3624	1.235	.0392	1.968
%RSD	12.62	84.758	44.09	25.88	83.09	8.8478
#1	-6.831	-4.2269	-1.075	3.793	-.0711	21.401
#2	-6.477	-22.989	-.4068	6.159	-.0019	24.486
#3	-8.190	-7.9465	-.9839	4.363	-.0687	20.828
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.4119**	**-.0943**	**.4294**	**-1.488**	**6.0951**	**-1162.8**
Stddev	.3665	.3609	.4414	2.372	1.4759	43.5
%RSD	88.99	382.9	102.8	159.4	24.215	3.7399
#1	-.1107	-.4574	.4087	-1.671	4.6719	-1135.1
#2	-.8199	.2644	-.0013	.9699	7.6186	-1212.9
#3	-.3049	-.0899	.8808	-3.764	5.9947	-1140.4
Check ?	None	None	None	None	None	None
Value						
Range						

Sample Name: 18579 Acquired: 1/10/2012 13:50:54 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A23 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-19.280**	**.0151**	**-122.80**	**-.2038**	**-.5398**	**-2.985**
Stddev	4.203	.0427	48.43	.3912	1.155	2.176
%RSD	21.798	283.8	39.435	192.0	214.0	72.92
#1	-18.583	.0015	-90.167	-.5744	-1.801	-5.427
#2	-23.789	.0629	-99.791	-.2421	.4658	-1.252
#3	-15.470	-.0192	-178.44	.2052	-.2839	-2.275
Check ?	None	None	None	None	None	None
Value						
Range						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**1.740**	**-.8345**	**-.1629**	**1.418**
Stddev	.985	.1584	.3239	.248
%RSD	56.59	18.98	198.9	17.49
#1	2.801	-.6517	.1300	1.663
#2	1.562	-.9279	-.1078	1.423
#3	.8565	-.9241	-.5109	1.167
Check ?	None	None	None	None
Value				
Range				

Sample Name: 18579 Acquired: 1/10/2012 13:50:54 Type: Unk
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: MF5A23 Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19105.**	**340870.**	**35525.**
Stddev	285.	1404.	643.
%RSD	1.4939	.41193	1.8110
#1	18782.	339280.	36205.
#2	19209.	341920.	35444.
#3	19323.	341410.	34926.

3 1/10/12

Sample Name: CCV2 Acquired: 1/10/2012 13:55:07 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**489.5**	**257690.**	**4923.**	**5032.**	**519.0**	**257070.**
Stddev	4.2	598.	11.	15.	2.4	3377.
%RSD	.8491	.23203	.2154	.2919	.4700	1.3136
#1	493.9	258040.	4918.	5026.	519.6	256930.
#2	489.0	257000.	4916.	5021.	516.3	253770.
#3	485.6	258040.	4935.	5049.	521.1	260510.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**2516.**	**5024.**	**4909.**	**5005.**	**247400.**	**257600.**
Stddev	1.	4.	56.	25.	588.	1383.
%RSD	.0569	.0763	1.149	.4921	.23761	.53700
#1	2517.	5028.	4965.	5031.	246750.	258540.
#2	2514.	5025.	4910.	4983.	247570.	256020.
#3	2516.	5020.	4852.	5001.	247890.	258260.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

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Sample Name: CCV~~2~~ Acquired: 1/10/2012 13:55:07 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**252110.**	**5030.**	**243390.**	**5098.**	**4925.**	**4981.**
Stddev	1542.	91.	3414.	5.	3.	1.
%RSD	.61154	1.809	1.4027	.0937	.0530	.0272
#1	252570.	5130.	243010.	5103.	4925.	4979.
#2	250390.	4952.	240170.	5095.	4927.	4982.
#3	253370.	5009.	246970.	5095.	4922.	4982.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**5103.**	**5109.**	**4994.**	**5055.**
Stddev	10.	3.	76.	5.
%RSD	.1900	.0589	1.512	.0913
#1	5106.	5106.	5065.	5059.
#2	5092.	5108.	5001.	5056.
#3	5110.	5112.	4915.	5050.
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

3 1/10/12

Sample Name: CCV~~2~~ Acquired: 1/10/2012 13:55:07 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCV Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**19555.**	**353300.**	**37301.**
Stddev	202.	4811.	239.
%RSD	1.0353	1.3617	.64021
#1	19389.	348360.	37206.
#2	19495.	353560.	37573.
#3	19781.	357970.	37125.

3

8 1/10/12

Sample Name: CCB~~1~~ Acquired: 1/10/2012 13:59:50 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Ag3280	Al3961	As1890	Ba4554	Be3130	Ca3179
Line	328.068 {103}	396.152 { 85}	189.042 {478}	455.403 { 74}	313.042 {108}	317.933 {106}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-8.562**	**-25.550**	**-.0981**	**4.039**	**-.0692**	**-7.4739**
Stddev	.622	25.707	1.964	.438	.0826	3.4838
%RSD	7.262	100.62	2001.	10.85	119.4	46.613
#1	-8.703	-.8318	-2.363	3.533	.0255	-5.6683
#2	-7.881	-23.674	1.127	4.272	-.1264	-5.2636
#3	-9.100	-52.144	.9417	4.311	-.1067	-11.490
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Cd2288	Co2286	Cr2677	Cu2199	Fe2599	K_7664
Line	228.802 {447}	228.616 {447}	267.716 {126}	219.958 {453}	259.940 {130}	766.490 { 44}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-.1291**	**.0753**	**.1744**	**-1.420**	**9.2177**	**-244.56**
Stddev	.1534	.3868	.1618	2.787	8.6769	107.73
%RSD	118.8	513.7	92.78	196.2	94.133	44.052
#1	-.0150	.0790	.3472	1.779	-.00588	-120.64
#2	-.0689	-.3133	.0265	-3.324	17.218	-297.08
#3	-.3035	.4602	.1494	-2.716	10.441	-315.96
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

3 88 1/10/12

Sample Name: CCB~~2~~ Acquired: 1/10/2012 13:59:50 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Elem	Mg2790	Mn2576	Na5895	Ni2316	Pb2203	Sb2068
Line	279.079 {121}	257.610 {131}	589.592 { 57}	231.604 {446}	220.353 {453}	206.833 {463}
Units	ppb	ppb	ppb	ppb	ppb	ppb
Avg	**-25.700**	**.0967**	**-70.615**	**-.1724**	**1.723**	**-.1173**
Stddev	19.376	.0361	25.334	.3907	.799	1.471
%RSD	75.394	37.38	35.876	226.7	46.38	1254.
#1	-21.038	.0838	-94.639	.2689	.8091	-.2449
#2	-46.982	.1375	-44.148	-.3115	2.067	1.413
#3	-9.0800	.0688	-73.057	-.4744	2.292	-1.520
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit						
Low Limit						

Elem	Se1960	Tl1908	V_2924	Zn2062
Line	196.090 {472}	190.856 {477}	292.402 {115}	206.200 {463}
Units	ppb	ppb	ppb	ppb
Avg	**2.715**	**1.847**	**.4929**	**.0031**
Stddev	1.792	.401	.3673	.1088
%RSD	65.99	21.72	74.53	3558.
#1	1.251	2.215	.0776	-.0243
#2	4.713	1.907	.7754	.1229
#3	2.181	1.420	.6256	-.0894
Check ?	Chk Pass	Chk Pass	Chk Pass	Chk Pass
High Limit				
Low Limit				

3 SS 1/10/12

Sample Name: CCB~~2~~ Acquired: 1/10/2012 13:59:50 Type: QC
Method: clp1.3(v57) Mode: CONC Corr. Factor: 1.000000
User: admin Custom ID1: CCB Custom ID2: Custom ID3:
Comment: Instrument ID P0

Int. Std.	Y_2243	Y_3600	Y_3710
Line	224.306 {450}	360.073 { 94}	371.030 { 91}
Units	Cts/S	Cts/S	Cts/S
Avg	**18939.**	**342400.**	**35421.**
Stddev	210.	1355.	337.
%RSD	1.1073	.39583	.95073
#1	19029.	342530.	35036.
#2	19089.	343680.	35563.
#3	18699.	340980.	35663.

Sentinel, Inc. SAMPLE PREPARATION

HOT BLOCK

ICP-AES

BATCH SHEET FOR WATER/AQUEOUS

DATE: 1/9/12 PREP METHOD: **200.7** SAMPLE TYPE: **LW**

SDG NO.: MF5A00 ANALYSIS METHOD: **AES** ANALYST: MVK

CASE NO.: 42114 BATCH NO: 1 RUN NO.: 1

NITRIC ACID LOT / EXP. DATE: 1111020 3/12

HYDROCHLORIC ACID LOT / EXP. DATE: 502067 4/12

BATCH NO.	LAB ID NUMBER	SAMPLE DESCRIPTION	Initial Volume,mL	Final Volume, mL	Sample pH	Date Analyzed	Sample Weigh/Pour Initials	Sample Prep Initials
1	PBW	PBW1	50	50	N/A	1.10.12	MVK	MVK
2	LCS	LCS1	50	50	N/A			
3 QC	18565	MF5A05	50	50	<2			
4 QC	18565D	MF5A05D	50	50	<2			
5 QC	18565S	MF5A05S	50	50	<2			
6	18560	MF5A00	50	50	<2			
7	18561	MF5A01	50	50	<2			
8	18562	MF5A02	50	50	<2			
9	18563	MF5A03	50	50	<2			
10	18564	MF5A04	50	50	<2			
11	18566	MF5A10	50	50	<2			
12	18567	MF5A11	50	50	<2			
13	18568	MF5A06	50	50	<2			
14	18569	MF5A07	50	50	<2			
15	18570	MF5A12	50	50	<2			
16	18571	MF5A13	50	50	<2			
17	18572	MF5A14	50	50	<2			
18	18573	MF5A15	50	50	<2			
19	18574	MF5A16	50	50	<2			
20	18575	MF5A17	50	50	<2			
21	18576	MF5A18	50	50	<2			
22	18577	MF5A19	50	50	<2			
23	18578	MF5A20	50	50	<2			
24	18579	MF5A23	50	50	<2			
25								
26								

* - Denotes that the pH of the sample has been adjusted in sample receipt and pH should be rechecked by analyst before sample is prepped for analysis.

Sample Relinquished by: TPY 1/6/12 Sample Received by: MVK 1/9/12

Reviewed By: MVK 1/11/12

Analyst/Date

Reviewed By: 1/11/12

QA Officer/Supervisor/Date

12011001

From: (972) 315-3922
Jose Flores
EA Engineering, Science, & Tec
11801 West County Road 128

Odessa, TX 79765

Origin ID: MAFA

FedEx Express

J11201108050225

Ship Date: 04JAN12
ActWgt: 50.0 LB
CAD: 1247365/INET3210

Delivery Address Bar Code

SHIP TO: (256) 534-9890
BILL SENDER

Randi Richey
Sentinel
4733 COMMERCIAL DR NW

HUNTSVILLE, AL 35816

Ref # 1434265 B 3
Invoice #
PO #
Dept #

1-5-12
0933

THU - 05 JAN A4
PRIORITY OVERNIGHT

TRK# 7930 5989 2663
0201

XX HSVA

35816
AL-US
MEM

50FG1/659F/F5F4

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513 1
1-5-12 0933
2663
01.05

From: (972) 315-3922 Origin ID: MAFA
Jose Flores
EA Engineering, Science, & Tec
11801 West County Road 128

Odessa, TX 79765

J11201108050225

Ship Date: 05JAN12
ActWgt: 50.0 LB
CAD: 1247365/INET3210

Delivery Address Bar Code

SHIP TO: (256) 534-9800 BILL SENDER

Randi Richey
Sentinel
4733 COMMERCIAL DR NW

HUNTSVILLE, AL 35816

Ref # 1434265 B 3
Invoice #
PO #
Dept # V. Sturgis

0932 · 1·6·12

FRI - 06 JAN A4
PRIORITY OVERNIGHT

TRK# 7930 5989 4780
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From: (972) 315-3922 Origin ID: MAFA
Jose Flores
EA Engineering, Science, & Tec
11801 West County Road 128

Odessa, TX 79765

J1120110805022 5

Ship Date: 05JAN12
ActWgt: 50.0 LB
CAD: 1247365/INET3210

Delivery Address Bar Code

SHIP TO: (256) 534-9800 BILL SENDER
Randi Richey
Sentinel
4733 COMMERCIAL DR NW

HUNTSVILLE, AL 35816

Ref # 1434265 B 3
Invoice #
PO #
Dept #

V Stuart
0932 1·6·12

FRI - 06 JAN A4
PRIORITY OVERNIGHT

TRK# 0201 **7978 9034 7248**

XX HSVA

35816
AL-US
MEM

RT **513** 1
FZ V Stuart 1·6·12 · 0932 7248 01.06

50FG1/859F/F5F4

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PRIORITY OVERNIGHT

XX HSVA V Stuart 0932 · 1·6·12

35816
AL-US **MEM**

0447444 01/05 50FG1/61C1/F5F4

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-03-12	1600		

Station Location

Samplers (Signatures): Dwaine Beard

Tag Number: 6- 499969

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Case Number: 42114
Sample Number: MF5A00
Station Location: WMW-34B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499969

Preservative:

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-03-12	1600		

Station Location

Samplers (Signatures): Dwaine Beard

Tag Number: 6- 499970

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Case Number: 42114
Sample Number: MF5A01
Station Location: WMW-34B-D
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499970

Preservative:

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	915		

Station Location

Samplers (Signatures): Dwaine Beard

Tag Number: 6- 499971

Lab Sample No.

Concentration: ☐ L ☐ M ☐ H

Case Number: 42114
Sample Number: MF5A02
Station Location: WMW-34A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499971

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	1046		

Tag Number: 6- 499972

Station Location:

Samplers (Signatures): Dwain Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A03
Station Location: WMW-32B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499972

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-03-12	1645		

Tag Number: 6- 499973

Station Location:

Samplers (Signatures): Dwain Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A04
Station Location: ER-1
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499973

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-4-12	1245		

Tag Number: 6- 499974

Station Location:

Samplers (Signatures): [illegible]

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A05
Station Location: WMW-33B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499974

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-4-12	1245		

Tag Number 6- 499975

Station Location

Samplers (Signatures) [signature]

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A05
Station Location: WMW-33B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499975

Preservative:

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	1132 ~~1032~~		

Tag Number 6- 499978

Station Location

Samplers (Signatures) Dwaine Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A10
Station Location: WMW-32A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499978

Preservative:

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	1409		

Tag Number 6- 499979

Station Location

Samplers (Signatures) Dwaine Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A11
Station Location: WMW-24B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499979

Preservative:

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-4-12	1420		

Tag Number: 6- 499976

Station Location

Samplers (Signatures): Bud Sly

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A06
Station Location: WMW-33A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499976

Preservative:

G:O U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-4-12	1553		

Tag Number: 6- 499977

Station Location

Samplers (Signatures): Bud Sly

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A07
Station Location: WMW-26B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499977

Preservative:

G:O U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	1505 ~~1305~~		

Tag Number: 6- 499980

Station Location

Samplers (Signatures): Dwaine Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A12
Station Location: WMW-24A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499980

Preservative:

G:O U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	1618		

Tag Number 6- 499981

Station Location

Samplers (Signatures) Dwain Beard

Preservative:

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A13
Station Location: WMW-29B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499981

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-05-12	1015		

Tag Number 6- 499982

Station Location

Samplers (Signatures) Dwain Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A14
Station Location: WMW-29A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499982

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Designate: Grab
		1-04-12	1650		

Tag Number 6- 499983

Station Location

Samplers (Signatures) Dwain Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A15
Station Location: ER-2
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499983

GPO U.S. GOVERNMENT PRINTING OFFICE:2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		1-4-12	1645		

Tag Number 6- 499984

Station Location

Samplers (Signatures) Bal Slin

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A16
Station Location: WMW-26A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499984

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		1-5-12	1000		

Tag Number 6- 499985

Station Location

Samplers (Signatures) Bal Slin

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A17
Station Location: WMW-28B
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499985

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		1-5-12	1110		

Tag Number 6- 499986

Station Location

Samplers (Signatures) Bal Slin

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A18
Station Location: WMW-28A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499986

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		1-5-12	1327		

Tag Number 6- 499987

Station Location

Samplers (Signatures) B/Sly

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A19
Station Location: WMW-31A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499987

Preservative:

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		1-05-12	1112		

Tag Number 6- 499988

Station Location

Samplers (Signatures) Dwain Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A20
Station Location: WMW-27A
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499988

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Project Code CLP Case No.	Station No.	Month/Day/Year	Time	Designate: Comp.	Grab
		1-05-12	1150		

Tag Number 6-499989

Station Location

Samplers (Signatures) Dwain Beard

Concentration: ☐ L ☐ M ☐ H

Lab Sample No.

Case Number: 42114
Sample Number: MF5A23
Station Location: ER-3
Sample Type: Grab
Perservative: HNO3
Analysis: CLP Total Metals ISM01.3 / ICP-AES
Concentration: L
Tag Number: 6-499989

Preservative: Yes ☐ No ☐

GPO U.S. GOVERNMENT PRINTING OFFICE: 2009-546-765

Lab ID #	EPA Sample #	Case #	SDG #	Sample Type	Date Rec'd	Time Rec'd	Client Name	Parameters	Sample Descr.	Comments / Notes	Temp °C	Color/ Texture	Sul-fides	Oxi. Agnts	Ph	Initial
18560	MF5AØØ	42114	MF5AØØ	LW	1-5-12	Ø933	R6	AES	LW	210	2.3	Clear	NA	NA	<2	TFY
18561	Ø1															
18562	Ø2															
18563	Ø3															
18564	Ø4															
18565	Ø5									QC						
18566	1Ø															
18567	11															
18568	MF5AØ6	42114	MF5AØØ	LW	1-6-12	Ø932	R6	AES	LW		Ø.Ø	Clear	NA	NA	<2	TFY
18569	Ø7															
18570	12															
18571	13															
18572	14															
18573	15															
18574	16															
18575	17															
18576	18															
18577	19															
18578	2Ø															
18579	23															

Signed 1-6-12 Date

Reviewed By 1/11/12 Date

CUSTODY SEAL

EA Engineering

ENVIRONMENTAL SAMPLING SUPPLY

9901 San Leandro St. Oakland, CA 800-233-8125

Date: 4 Jan 2012

Signature: [illegible]

CUSTODY SEAL

EA Engineering

ENVIRONMENTAL SAMPLING SUPPLY

9901 San Leandro St. Oakland, CA 800-233-8125

Date: 4 Jan 2012

Signature: [illegible]

CUSTODY SEAL

EA Engineering

ENVIRONMENTAL SAMPLING SUPPLY

9601 San Leandro St. Oakland, CA 800-233-8425

Date: 5 Jan 2012

Signature:

CUSTODY SEAL

EA Engineering

ENVIRONMENTAL SAMPLING SUPPLY

9601 San Leandro St. Oakland, CA 800-233-8425

Date: 5 Jan 2012

Signature:

CUSTODY SEAL

EA Engineering

ENVIRONMENTAL SAMPLING SUPPLY

9601 San Leandro St. Oakland, CA 800-233-84

Date: 5 Jan 2012

Signature:

CUSTODY SEAL

EA Engineering

Date: 1-5-2012

Signature: [illegible]

ENVIRONMENTAL SAMPLING SUPPLY

9601 San Leandro St. Oakland, CA 800-233-8425

CUSTODY SEAL

EA Engineering

Date: 1-5-2012

Signature: [illegible]

ENVIRONMENTAL SAMPLING SUPPLY

9601 San Leandro St. Oakland, CA 800-233-8425

CUSTODY SEAL

EA Engineering

Date: 1-5-2012

Signature: [illegible]

ENVIRONMENTAL SAMPLING SUPPLY

9601 San Leandro St. Oakland, CA 800-233-8425

Contract Laboratory Program

Sample Delivery Group (SDG) Cover Sheet

SDG Number MFSAØØ Case Number 42114 Contract Number EPW09040
Lab Code SENTIN SDG Turnaround 21 Delivery CLIN(s) NA

First Sample Received in SDG MFSAØØ Last Sample Received in SDG MFSA23
First Sample Receipt Date 1-5-12 Last Sample Receipt Date 1-6-12

USEPA Sample Numbers in SDG (Listed in Numerical Order)

	CLP Sample ID	Sample Type	Requested Analytical CLIN(s)/SubCLIN(s)	Solicitation Number	MA Number(s)
1	MFSAØØ	LW	ØØ17C	NA	NA
2	Ø1				
3	Ø2				
4	Ø3				
5	Ø4				
6	Ø5				
7	1Ø				
8	11				
9	Ø6				
10	Ø7				
11	12				
12	13				
13	14				
14	15				
15	16				
16	17				
17	18				
18	19				
19	2Ø				
20	23				

Note: *There are a maximum of 20 **field** samples (excluding PE samples) in an SDG. Attach TR/COC Records to this form in alphanumeric order (the order listed above on this form).*

Signature _____ Date 1-9-12

February 2010

SOW: ISM01.3 - AES

Sentinel, Inc. Sample Receipt

SDG TRACKING REPORT

Case No.: 42114 Sample Delivery Group: MF5A00

Laboratory ID Number	EPA Sample	Tracking Number	Date Received	pH TM	pH CN	QC FB PE	Matrix	Parameters	Initials
18560	MF5A00	6-499969	01/05/2012	<2	NA		LW	AES	RR
18561	MF5A01	6-499970	01/05/2012	<2	NA		LW		RR
18562	MF5A02	6-499971	01/05/2012	<2	NA		LW		RR
18563	MF5A03	6-499972	01/05/2012	<2	NA		LW		RR
18564	MF5A04	6-499973	01/05/2012	<2	NA		LW		RR
18565	MF5A05	6-499974,5	01/05/2012	<2	NA	QC	LW		RR
18566	MF5A10	6-499978	01/05/2012	<2	NA		LW		RR
18567	MF5A11	6-499979	01/05/2012	<2	NA		LW		RR
18568	MF5A06	6-499980	01/06/2012	<2	NA		LW		RR
18569	MF5A07	6-499977	01/06/2012	<2	NA		LW		RR
18570	MF5A12	6-499980	01/06/2012	<2	NA		LW		RR
18571	MF5A13	6-499981	01/06/2012	<2	NA		LW		RR
18572	MF5A14	6-499982	01/06/2012	<2	NA		LW		RR
18573	MF5A15	6-499983	01/06/2012	<2	NA		LW		RR
18574	MF5A16	6-499984	01/06/2012	<2	NA		LW		RR
18575	MF5A17	6-499985	01/06/2012	<2	NA		LW		RR
18576	MF5A18	6-499986	01/06/2012	<2	NA		LW		RR
18577	MF5A19	6-499987	01/06/2012	<2	NA		LW		RR
18578	MF5A20	6-499988	01/06/2012	<2	NA		LW		RR
18579	MF5A23	6-499989	01/06/2012	<2	NA		LW		RR

Notes:

SDG Completion Date: 01/06/2012 Report Deadline: 01/26/2012

Analyst Check Out	Analyst Check Out	Analyst Check Out	Analyst Check Out	Analyst Check Out
MMS 1/9/12 1100	/ /	/ /	/ /	/ /
Analyst Check In	Analyst Check In	Analyst Check In	Analyst Check In	Analyst Check In
MMS 1/9/12 1130	/ /	/ /	/ /	/ /
Transfer to Lab	Transfer to Storage	Final Disposal	Transfer to Storage	Final Disposal
	- Sample	- Sample	- Digestates	- Digestates
Area: COOLOS	Area:	Area:	*	*
Date: 1/10/12	Date:	Date:	See Digestate	See Digestate
By: TFY	By:	By:	Tracking Log	Tracking Log

Sentinel, Inc.

ISM01.3 **Sample Preparation**

DEENA HOTBLOCK USAGE LOG
95°C (±3°C)

AES Spike Sol'n Vendor/Lot #'s /Exp. Date: CLPP-SPK-1 IV/D2-MEB324145 6/12 CLPP-SPK-5 IV/D2-MEB263095 6/12
Spike Vol. Added - Waters: 50uL of each spike solution, Soils : 200 uL of each spike solution
AES - LCS Vendor /Lot #/ Exp. Date: CLP-AES-CRQL-2 IV/D2-MEB324145 8/12 (1 mL)
MS Spike Sol'n Vendor/Lot #'s /Exp. Date: CLPP-SPK-1 IV/D2-MEB324145 8/12 CLPP-SPK-4 IV/E2-MEB395074 11/12
Spike Vol. Added - Waters: 50 uL of each spike solution, Soils : 500 uL of each spike solution
MS - LCSS Vendor /Lot #/ Exp. Date: CLP-MS-CRQL-3 IV/C2-MEB296009 2/12 (1 mL)
MS - LCSW : 50 mL of MS-LCSW solution (see MS-LCSW log)
IV: Inorganic Ventures

BATCH #	DATE	TIME IN/OUT	METHOD	TEMP SETTING (Deg C)	TEMP READING (Deg C)	HOT BLOCK #	ANALYST INITIALS	SUPER-VISORY INITIALS
MB9RZ9	12/21/11	821-1050	3050B AES/MS	95	95	D-1	MWK	R
MB7X/F48	↓	821-1105	3050B AES	↓	↓	↓	↓	↓
MD6LL7	↓	↓	↓	↓	↓	↓	↓	↓
MCØ3129	↓	↓	↓	↓	↓	↓	↓	↓
MCØAM5	12/30/11	754-959	200.8	95	95	D-1	MWK	R
↓ M1	↓	↓	↓	↓	↓	↓	↓	↓
MB9AW5	↓	↓	↓	↓	↓	↓	↓	↓
↓ YØ	↓	↓	↓	↓	↓	↓	↓	↓
MA4A54	↓	↓	200.7	↓	↓	↓	↓	↓
MHØHP7	↓	↓	↓	↓	↓	↓	↓	↓
MG7864	12/30/11	1338-1620	3050B	95	95	D-1	MWK	R
MF5AØØ	1/9/12	1258-1509	200.7	95	95	D-1	MWK	R

12/21/11

Sentinel, Inc.

ISM01.3 **Sample Preparation**

ICP-AES / ICP-MS Reagents Log

1. 50% Trace Metal Nitric Acid: 1000 mL Trace Metal Concentrated HNO_3 --> 2 L DI H_2O
   Vendor: LD Lot: 1111020 Exp: 3/16 SR 1/19/12
2. 50% Trace Metal Hydrochloric Acid: 1000 mL Trace Metal Concentrated HCL --> 2 L DI H_2O
   Vendor: LD Lot: 502267 Exp: 4/16
3. 50% Optima Nitric Acid: 1000 mL Optima Concentrated HNO_3 --> 2 L DI H_2O
   Vendor: LD Lot: 50131 Exp: 1/15
4. 50% Optima Hydrochloric Acid: 1000 mL Optima Concentrated HCL --> 2 L DI H_2O
   Vendor: LD Lot: 49070 Exp: 1/15

Date	50% Trace Metal Nitric Acid	50% Trace Metal Hydrochloric Acid	50% Optima Nitric Acid	50% Optima Hydrochloric Acid	Comments	Analyst Initials	Supervisor Initials
12/21/11	✓				—	MWK	—
12/30/11	✓	✓			—	MWK	—
1/9/12	✓	✓			—	MWK	—

Sentinel, Inc.

ISM01.3 **Sample Preparation**

BLANK SOLUTION LOG

Preparation: Fill the container with 18 megaohm water up to the 17L mark; add 400mL of conc. Nitric Acid and 1000mL of conc. Hydrochloric Acid. Bring the final volume up to the 20L mark with the 18 megaohm water.

Note: Always start out fresh. (i.e. empty residual blank solution and rinse the carboy with 18 megaohm water before preparing the fresh solution).

Note: Vendor is Fisher Scientific

DATE	CARBOY #	AMOUNT (L)	HNO_3 LOT#	HCL LOT #	ANALYST INITIALS	SUPERVISORY INITIALS
9/21/11	1	20	111020	50267	TY	RK
10/5/11	1		111120	50267	[illegible]	RK
10/26/11	1		111120	50267	[illegible]	RK
11/7/11	1		111120	50267	[illegible]	RK
11·16·11	1		111120	51035	vma	RK
12/5/11	1		111120	51035	[illegible]	[illegible]
12/16/11	1		111120	51035	[illegible]	[illegible]
12/30/11	1		111120	51035	[illegible]	[illegible]

Sentinel, Inc.

ISM01.3 **Analysis Preparation**

ICP AES STANDARDS LOG

ICV VENDOR/ LOT / EXP.DATE: EPA|Φ3Φ7|NA

ICSA VENDOR/ LOT / EXP.DATE: EPA|12Φ6|NA

ICSAB VENDOR/ LOT / EXP.DATE: EPA|12Φ6|NA EPA|Φ2Φ3|NA

CCV VENDOR/ LOT / EXP.DATE:

Sentinel-1 (Vendor / Lot # / Exp.Date): EZ-MEB367149|5|12

Sentinel-2 (Vendor / Lot # / Exp.Date): ~~D2-MEB~~ EZ-MEB393077|10|12 MM 10/7/11

CGSB1-1 (Vendor / Lot # / Exp.Date): IV|02-SBD2126|8|12

CLPP-Cal-3 (Vendor / Lot # / Exp.Date): IV|02-MEB3241561|8|12

LiY (Internal Standard) VENDOR/ LOT / EXP. DATE: IV|02-LIΦ2124|5|12 IV|02-YΦ1126|12|12

ICB, and CCB are the Blank Solution; the acid lot numbers used in making up this solution are included in the Blank Solution Log.

IV: Inorganic Ventures EPA: Environmental Protection Agency CPI: CPI

ICV: 50mL ICV-1 --> 500 mL Blank Solution
ICSA: 100mL ICS Part A --> 1L Blank Solution
ICSAB: 100mL ICS Part A + 100mL ICS Part B --> 1L Blank Solution
CCV: is the S4 Standard
S5: 100mL Sentinel-2 + 10mL Sentinel-1 + 10mL CGSB1-1 + 10mL CLPP-Cal-3 --> 1000mL Blank Solution
S4: 250mL S5 --> 500mL Blank Solution
LiY: 75mL CGLI10-5 + 5mL CGY1-1 --> 1L Blank Solution

DATE	ICV	ICSA	ICSAB	CCV	LiY	ANALYST INITIALS	SUPERVISORY INITIALS
9/22/11	✓	✓	✓		✓	RM	—
9/26/11				✓		MM	RM
10/27/11	✓	✓	✓	✓	✓	RR	—
11/15/11				✓	✓	RR	—
11/18/11	✓	✓	✓			RR	—
12/5/11	✓	✓	✓	✓	✓	MM	—

Sentinel, Inc.

ISM01.3 **Analysis Preparation**

ICP-AES S1 STANDARDS LOG

Primary Standards:

CLP-AES-CRQL-2 (Vendor / Lot # / Exp.Date): IV|A2-MEB194145|12/12

ICP-AES Blank Solution (see ICP-AES Blank solution log for acid lot numbers and expiration dates.)

S1: 5mL CLP-AES-CRQL-2 --> 500mL Blank Solution

((Primary Standard Analyte Concentration, ug/mL * Spike Amount mL) / (500 mL)) * 1000mL/L) = S1 Analyte Concentration, ug/L

Primary Standard Analyte	Primary Std. Analyte Conc. (ug/mL)	Spike Amount (mL)	S1 Analyte Conc. (ug/L)
Al	20	5	200
Ba	20	5	200
Ca	500	5	5000
Cu	2.5	5	25
Mg	500	5	5000
K	500	5	5000
Na	500	5	5000
Zn	6	5	60
Sb	6	5	60
Be	0.5	5	5
Cr	1	5	10
Fe	10	5	100
Mn	1.5	5	15
Se	3.5	5	35
Tl	2.5	5	25
As	1	5	10
Cd	0.5	5	5
Co	5	5	50
Pb	1	5	10
Ni	4	5	40
Ag	1	5	10
V	5	5	50

12/5/11 — Date Prepared

MUlk 12/5/11 — Analyst Date

12/5/11 — Supervisor Date

Sentinel, Inc.

ISM01.3 **Analysis Preparation**

ICP-AES S1A STANDARDS LOG

Primary Standards:

ICV-1 (Vendor / Lot # / Exp.Date): EPA|Ø3Ø7|NA

ICP-AES Blank Solution (see ICP-AES Blank solution log for acid lot numbers and expiration dates.)

S1A: 50mL ICV-1 --> 500mL Blank Solution

((Primary Standard Analyte Concentration, ug/mL * Spike Amount mL) / (500 mL)) = S1A Analyte Concentration, ug/L

Primary Standard Analyte	Primary Std. Analyte Conc. (ug/mL)	Spike Amount (mL)	S1 Analyte Conc. (ug/L)
Al	25210	50	2521
Ba	4970	50	497
Ca	100260	50	10026
Mg	60740	50	6074
Sb	9940	50	994
Fe	50820	50	5082
Mn	4990	50	499
Se	10290	50	1029
Tl	10280	50	1028
As	9990	50	999
Cd	4960	50	496
Co	4990	50	499
Pb	10020	50	1002
Ni	5030	50	503
Ag	5010	50	501
V	5010	50	501

12/5/11 — Date Prepared

MUK 12/5/11 — Analyst, Date

12/5/11 — Supervisor, Date

ICP-AES S5 - S2 STANDARDS LOG

Primary Standards:

Sentinel-2 (Vendor / Lot # / Exp.Date): IV | E2-MEB393077 | 10/12

Sentinel-1 (Vendor / Lot # / Exp.Date): IV | E2-MEB367149 | 5/12

CGSB1-1 (Vendor / Lot # / Exp.Date): IV | D2-SB021216 | 8/12

CLPP-Cal-3 (Vendor / Lot # / Exp.Date): IV | D2-MEB324156 | 8/12

ICP-AES Blank Solution (see ICP-AES Blank solution log for acid lot numbers and expiration dates.)

S5: 100mL Sentinel-2 + 10mL Sentinel-1 + 10mL CGSB1-1 + 10mL CLPP-Cal-3 --> 1000mL Blank Solution

S4: 250mL S5 --> 500mL Blank Solution

S3: 125mL S5 --> 500mL Blank Solution

S2: 62.5mL S5 --> 500mL Blank Solution

((Primary Standard Analyte Concentration, ug/mL * Spike Amount mL) / (1000 mL)) * 1000mL/L) = S5 Analyte Concentration, ug/L

Primary Standard Analyte	Primary Std. Analyte Conc. (ug/mL)	Spike Amount (mL)	S5 Analyte Conc. (ug/L)	S4 Analyte Conc. (ug/L) (1:2 Dil. of S5)	S3 Analyte Conc. (ug/L) (1:4 Dil. of S5)	S2 Analyte Conc. (ug/L) (1:8 Dil. Of S5)
Sentinel -2						
Al	5000	100	500000	250000	125000	62500
Mg	5000	100	500000	250000	125000	62500
Ca	5000	100	500000	250000	125000	62500
Fe	5000	100	500000	250000	125000	62500
Na	5000	100	500000	250000	125000	62500
K	5000	100	500000	250000	125000	62500
Sentinel-1						
Cu	1000	10	10000	5000	2500	1250
Mn	1000	10	10000	5000	2500	1250
Ag	100	10	1000	500	250	125
Zn	1000	10	10000	5000	2500	1250
Ba	1000	10	10000	5000	2500	1250
Cr	1000	10	10000	5000	2500	1250
Ni	1000	10	10000	5000	2500	1250
Be	100	10	1000	500	250	125
Co	1000	10	10000	5000	2500	1250
V	1000	10	10000	5000	2500	1250
CGSB1-1						
Sb	1000	10	10000	5000	2500	1250
CLPP-Cal-3						
As	1000	10	10000	5000	2500	1250
Se	1000	10	10000	5000	2500	1250
Cd	500	10	5000	2500	1250	625
Tl	1000	10	10000	5000	2500	1250
Pb	1000	10	10000	5000	2500	1250

12/5/11 — Date Prepared

MVK 12/5/11 — Analyst, Date

12/5/11 — Supervisor, Date

Sentinel, Inc,

ISM01.3 Sample Analysis

ICP AES USE LOG

DATE	BATCH NUMBER	RUN NUMBER	MATRIX	ICP #	START TIME	END TIME	COMMENTS	ANALYST INITIALS	SUPER-VISORY INITIALS
1/3/12	MHØHP7	12Ø1Ø3Ø1	LW	PØ	1228	16Ø1	None	MVK	L
↓	MA4A54	12Ø1Ø3Ø2	LW	PØ	1Ø37	12Ø6	None	↓	↓
↓	MA3XEØ	12Ø1Ø3Ø3	LS	PØ	1Ø37	12Ø6	RR (ISD)	↓	↓
↓	MHØHP7	12Ø1Ø3Ø4	LW	PØ	1615	1928	Dil	↓	↓
↓	MG78G4	12Ø1Ø3Ø5	LS	PØ	1932	2118	None	↓	↓
1/4/12	MA3XEØ	12Ø1Ø4Ø1	LS	PØ	1ØØØ	1122	Dil	MVK	L
↓	MHØHP7	12Ø1Ø4Ø2	LW	PØ	1ØØØ	1122	Dil	↓	↓
1/1Ø/12	MF5AØØ	12Ø11ØØ1	LW	PØ	1Ø55	1359	None	MVK	L

Initial Assesment Screening Results

16:56 Tue, Jan 10, 2012

SDG MF5A00 **Lab** SENTIN **Case** 42114 **Contract** EPW09040 **Client** EPA Region 6 **SOW** ISM01.3 **Stage** 2b **Tracking ID** 141918 **Version** 8.022

DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

Cover Page

Uploaded	EXES Method	EDD Method	EXES Case	EDD Case	EXES Contract	EDD Contract	EXES Sdg	EDD Sdg	File Name	Mod/Flex
10January2012:16:56:34	ICP_AES	ICP_AES	42114	42114	EPW09040	EPW09040	MF5A00	MF5A00	42114_MF5A00_EPW09040_1_SEDD_5-2_GENERAL_2B_3_ICP_AES.zip	DEFAULT

Initial Assesment Screening Results

16:56 Tue, Jan 10, 2012

SDG MF5A00 **Lab** SENTIN **Case** 42114 **Contract** EPW09040 **Client** EPA Region 6 **SOW** ISM01.3 **Stage** 2b **Tracking ID** 141918 **Version** 8.022

DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

Sample Summary and Lab Receipt Date

Sample Number	ICP_AES	ICP_MS	Hg	CN	Automated
LCS1_LCSPW(LCSW)	X				
MF5A00	01/05/2012				
MF5A01	01/05/2012				
MF5A02	01/05/2012				
MF5A03	01/05/2012				
MF5A04	01/05/2012				
MF5A05	01/05/2012				
MF5A05A	01/05/2012				
MF5A05D	01/05/2012				
MF5A05L	01/05/2012				
MF5A05S	01/05/2012				
MF5A06	01/06/2012				
MF5A07	01/06/2012				
MF5A10	01/05/2012				
MF5A11	01/05/2012				
MF5A12	01/06/2012				
MF5A13	01/06/2012				
MF5A14	01/06/2012				
MF5A15	01/06/2012				
MF5A16	01/06/2012				
MF5A17	01/06/2012				
MF5A18	01/06/2012				
MF5A19	01/06/2012				
MF5A20	01/06/2012				
MF5A23	01/06/2012				
PBW1_PBW(PBW)	X				
Totals	**26**	**0**	**0**	**0**	

Initial Assesment Screening Results

16:56 Tue, Jan 10, 2012

SDG MF5A00 **Lab** SENTIN **Case** 42114 **Contract** EPW09040 **Client** EPA Region 6 **SOW** ISM01.3 **Stage** 2b **Tracking ID** 141918 **Version** 8.022

DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

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DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

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NONE FOUND

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DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

File Skeleton

METHOD = ICP_AES

#	QC	Analysis	Type	Date	M	L	DF	File ID	Inst	Col	Run	AB	ABE	PREP	Clean	Store
1	ICAL	229920120110105518		01102012T10:55:18			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
2	ICAL	229920120110105938		01102012T10:59:38			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
3	ICAL	229920120110110347		01102012T11:03:47			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
4	ICAL	229920120110110753		01102012T11:07:53			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
5	ICAL	229920120110111201		01102012T11:12:01			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
6	ICAL	229920120110111610		01102012T11:16:10			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
7	ICAL	229920120110112053		01102012T11:20:53			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
8	ICV	229920120110112950		01102012T11:29:50			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
9	ICB	229920120110113355		01102012T11:33:55			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
10	ICSA	229920120110113807		01102012T11:38:07			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
11	ICSAB	229920120110114223		01102012T11:42:23			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
12	CCV	229920120110114639		01102012T11:46:39			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110115121			
13	CCB	229920120110115121		01102012T11:51:21			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110115121			
14	MB	229920120110115533	I	01102012T11:55:33	W		1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
15	LCS	229920120110115947	I	01102012T11:59:47	W		1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
16	SD	229920120110120358	I	01102012T12:03:58	W	L	5.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
17	FS	229920120110120811	I	01102012T12:08:11	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
18	Dup	229920120110121224	I	01102012T12:12:24	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
19	MS	229920120110121635	I	01102012T12:16:35	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
20	PDS	229920120110122041	I	01102012T12:20:41	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
21	FS	229920120110122449	I	01102012T12:24:49	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
22	FS	229920120110122901	I	01102012T12:29:01	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
23	FS	229920120110123311	I	01102012T12:33:11	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
24	FS	2299201201	I	01102012T	W	L	1.0	P0 12011001	P0		229920120110	229920120110114	229920120110	229920120110115533		

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Initial Assesment Screening Results

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DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

File Skeleton

METHOD = ICP AES

#	QC	Analysis	Type	Date	M	L	DF	File ID	Inst	Col	Run	AB	ABE	PREP	Clean	Store
		10123740		12:37:40							05518	639	134659			
25	FS	229920120110 124151	I	01102012T1 2:41:51	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
26	FS	229920120110 124603	I	01102012T1 2:46:03	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
27	FS	229920120110 125032	I	01102012T1 2:50:32	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
28	FS	229920120110 125445	I	01102012T1 2:54:45	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
29	FS	229920120110 125915	I	01102012T1 2:59:15	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
30	FS	229920120110 130327	I	01102012T1 3:03:27	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
31	FS	229920120110 130748	I	01102012T1 3:07:48	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
32	FS	229920120110 131156	I	01102012T1 3:11:56	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
33	FS	229920120110 131622	I	01102012T1 3:16:22	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
34	FS	229920120110 132030	I	01102012T1 3:20:30	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
35	FS	229920120110 132458	I	01102012T1 3:24:58	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
36	FS	229920120110 132908	I	01102012T1 3:29:08	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
37	FS	229920120110 133327	I	01102012T1 3:33:27	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
38	FS	229920120110 133757	I	01102012T1 3:37:57	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
39	CCV	229920120110 134227		01102012T1 3:42:27			1	P0 12011001	P0		229920120110105518	229920120110134227	229920120110134659			
40	CCB	229920120110 134659		01102012T1 3:46:59			1	P0 12011001	P0		229920120110105518	229920120110134227	229920120110134659			
41	FS	229920120110 135054	I	01102012T1 3:50:54	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110134227	229920120110135950	229920120110115533		
42	CCV	229920120110 135507		01102012T1 3:55:07			1	P0 12011001	P0		229920120110105518	229920120110135507	229920120110135950			
43	CCB	229920120110 135950		01102012T1 3:59:50			1	P0 12011001	P0		229920120110105518	229920120110135507	229920120110135950			

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Grace Period Defect Detail

NONE FOUND

CCS Semi-Automated Screening Results

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Cover Page

Uploaded	EXES Method	EDD Method	EXES Case	EDD Case	EXES Contract	EDD Contract	EXES Sdg	EDD Sdg	File Name	Mod/Flex
10January2012:16:56:34	ICP_AES	ICP_AES	42114	42114	EPW09040	EPW09040	MF5A00	MF5A00	42114_MF5A00_EPW09040_1_SEDD_5-2_GENERAL_2B_3_ICP_AES.zip	DEFAULT

CCS Semi-Automated Screening Results

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Sample Summary and Lab Receipt Date

Sample Number	ICP_AES	ICP_MS	Hg	CN	Automated	Manual
LCS1_LCSPW(LCSW)	X					
MF5A00	01/05/2012					
MF5A01	01/05/2012					
MF5A02	01/05/2012					
MF5A03	01/05/2012					
MF5A04	01/05/2012					
MF5A05	01/05/2012					
MF5A05A	01/05/2012					
MF5A05D	01/05/2012					
MF5A05L	01/05/2012					
MF5A05S	01/05/2012					
MF5A06	01/06/2012					
MF5A07	01/06/2012					
MF5A10	01/05/2012					
MF5A11	01/05/2012					
MF5A12	01/06/2012					
MF5A13	01/06/2012					
MF5A14	01/06/2012					
MF5A15	01/06/2012					
MF5A16	01/06/2012					
MF5A17	01/06/2012					
MF5A18	01/06/2012					
MF5A19	01/06/2012					
MF5A20	01/06/2012					
MF5A23	01/06/2012					
PBW1_PBW(PBW)	X					
Totals	**26**	**0**	**0**	**0**		

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1	ICAL	229920120110105518		01102012T10:55:18			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
2	ICAL	229920120110105938		01102012T10:59:38			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
3	ICAL	229920120110110347		01102012T11:03:47			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
4	ICAL	229920120110110753		01102012T11:07:53			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
5	ICAL	229920120110111201		01102012T11:12:01			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
6	ICAL	229920120110111610		01102012T11:16:10			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
7	ICAL	229920120110112053		01102012T11:20:53			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
8	ICV	229920120110112950		01102012T11:29:50			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
9	ICB	229920120110113355		01102012T11:33:55			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
10	ICSA	229920120110113807		01102012T11:38:07			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
11	ICSAB	229920120110114223		01102012T11:42:23			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659			
12	CCV	229920120110114639		01102012T11:46:39			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110115121			
13	CCB	229920120110115121		01102012T11:51:21			1	P0 12011001	P0		229920120110105518	229920120110114639	229920120110115121			
14	MB	229920120110115533	I	01102012T11:55:33	W		1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
15	LCS	229920120110115947	I	01102012T11:59:47	W		1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
16	SD	229920120110120358	I	01102012T12:03:58	W	L	5.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
17	FS	229920120110120811	I	01102012T12:08:11	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
18	Dup	229920120110121224	I	01102012T12:12:24	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
19	MS	229920120110121635	I	01102012T12:16:35	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
20	PDS	229920120110122041	I	01102012T12:20:41	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
21	FS	229920120110122449	I	01102012T12:24:49	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
22	FS	229920120110122901	I	01102012T12:29:01	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
23	FS	229920120110123311	I	01102012T12:33:11	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
24	FS	2299201201	I	01102012T	W	L	1.0	P0 12011001	P0		229920120110	229920120110114	229920120110	229920120110115533		

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File Skeleton

METHOD = ICP_AES

#	QC	Analysis	Type	Date	M	L	DF	File ID	Inst	Col	Run	AB	ABE	PREP	Clean	Store
		10123740		12:37:40							05518	639	134659			
25	FS	229920120110 124151	I	01102012T1 2:41:51	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
26	FS	229920120110 124603	I	01102012T1 2:46:03	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
27	FS	229920120110 125032	I	01102012T1 2:50:32	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
28	FS	229920120110 125445	I	01102012T1 2:54:45	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
29	FS	229920120110 125915	I	01102012T1 2:59:15	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
30	FS	229920120110 130327	I	01102012T1 3:03:27	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
31	FS	229920120110 130748	I	01102012T1 3:07:48	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
32	FS	229920120110 131156	I	01102012T1 3:11:56	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
33	FS	229920120110 131622	I	01102012T1 3:16:22	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
34	FS	229920120110 132030	I	01102012T1 3:20:30	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
35	FS	229920120110 132458	I	01102012T1 3:24:58	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
36	FS	229920120110 132908	I	01102012T1 3:29:08	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
37	FS	229920120110 133327	I	01102012T1 3:33:27	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
38	FS	229920120110 133757	I	01102012T1 3:37:57	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110114639	229920120110134659	229920120110115533		
39	CCV	229920120110 134227		01102012T1 3:42:27			1	P0 12011001	P0		229920120110105518	229920120110134227	229920120110134659			
40	CCB	229920120110 134659		01102012T1 3:46:59			1	P0 12011001	P0		229920120110105518	229920120110134227	229920120110134659			
41	FS	229920120110 135054	I	01102012T1 3:50:54	W	L	1.0	P0 12011001	P0		229920120110105518	229920120110134227	229920120110135950	229920120110115533		
42	CCV	229920120110 135507		01102012T1 3:55:07			1	P0 12011001	P0		229920120110105518	229920120110135507	229920120110135950			
43	CCB	229920120110 135950		01102012T1 3:59:50			1	P0 12011001	P0		229920120110105518	229920120110135507	229920120110135950			

CCS Semi-Automated Screening Results

16:56 Tue, Jan 10, 2012

SDG MF5A00 **Lab** SENTIN **Case** 42114 **Contract** EPW09040 **Client** EPA Region 6 **SOW** ISM01.3 **Stage** 2b **Tracking ID** 141918 **Version** 8.022

DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

CCS Semi-Automated Screening Results

16:56 Tue, Jan 10, 2012

SDG MF5A00 **Lab** SENTIN **Case** 42114 **Contract** EPW09040 **Client** EPA Region 6 **SOW** ISM01.3 **Stage** 2b **Tracking ID** 141918 **Version** 8.022
DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

Manual Defect Detail

NONE FOUND

CCS Semi-Automated Screening Results

16:56 Tue, Jan 10, 2012

SDG MF5A00 **Lab** SENTIN **Case** 42114 **Contract** EPW09040 **Client** EPA Region 6 **SOW** ISM01.3 **Stage** 2b **Tracking ID** 141918 **Version** 8.022

DRD __/__/____ **LRD** 01/06/2012 **Mailed** __/__/____ **Submission Type** Self Inspection **Screening Type** Semi-Automated

Grace Period Defect Detail

NONE FOUND

VINCENT MALOTT
Location: SUPERFUND
Sender: EPA R6 HOUSTON LAB
02/02/12 14:11
1 of 1
020221141129

MEGJOU
281-983-2100 2133
USEPA ENVIRONMENTAL SVCS DIV
10625 FALLSTONE RD
HOUSTON TX 77099

4 LBS

1 OF 1

DWT: 12,9,2

SHIP TO:
V. MALOTT, 6SF-RA
281-983-2100 2133
US EPA REGION 6
SUITE 1200
1445 ROSS AVENUE
DALLAS TX 75202-2750

TX 752 9-33

UPS GROUND
TRACKING #: 1Z A42 00W 03 9764 3086

BILLING: P/P

Reference # 1: CSA_9173

CS 14.0.25. WXPE70 24.0A 01/2012

US ENVIRONMENTAL PROTECTION
1445 ROSS AVE
STE 1200
DALLAS TX 75202-2751

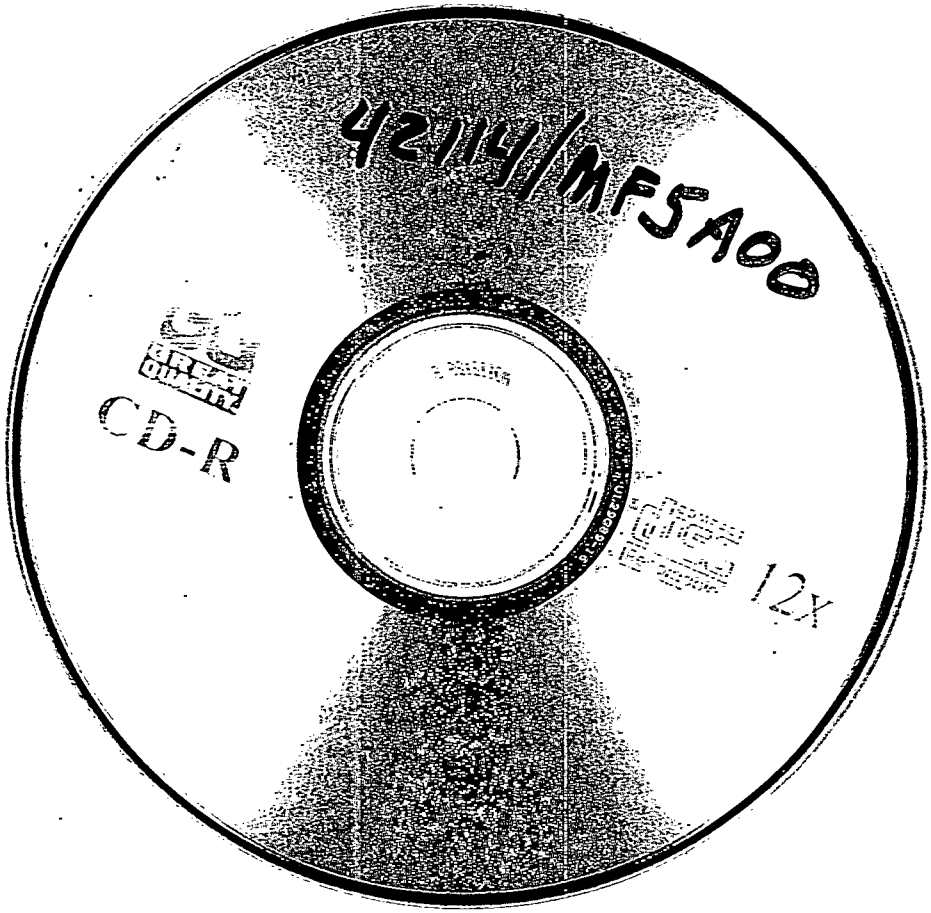
P. YELLOW S: 33MR
HCOX - 6712
1Z A42 00W 03 9764 3086
FEB 02 07:27:53 2012
TRANSIT
HIP 11.1.3 2E8R24HP
1- 3S

SDMS DOC ID

650867

666422

Archive Box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