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95-02

Watauga County Fourth Assessment Monitoring Event

Watauga County Landfill
NC DEHNR Permit No. 95-02

Prepared for:

Watauga County, North Carolina

Volume II of II Book 1 of 3

DAA JN: 6520-20
September 25, 1995

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SECTION I

CLP METALS

SECTION 1.1

CLP METALS REPORTING QUALIFIERS

CLP DATA REPORTING QUALIFIERS

INORGANICS

B	-	Reported value is <CRDL, but >IDL.
U	-	Compound was analyzed for, but not detected.
E	-	Value is estimated due to matrix interferences.
M	-	Duplicate injection precision criteria not met.
N	-	Spiked sample recovery not within control limits.
S	-	Reported value was determined by the Method of Standard Additions (MSA).
W	-	Post-digestion spike for furnace AA analysis is our of control limits, while sample absorbance is <50% of spike absorbance.
*	-	Duplicate analysis was not within control limits.
–	-	Correlation coefficient for MSA was <0.995.

SECTION 1.2

DAA METALS VALIDATION FORMS

Inorganic Data Review

Inorganic analyses for this Assessment monitoring event involved analyses for Barium, Cadmium, Iron and Mercury. All inorganic analyses for this monitoring event was performed by Compuchem Environmental Corporation, RTP, North Carolina. Analysis was performed on a total of eighteen groundwater samples collected from monitoring wells MW1 through MW18. Samples were divided into two sample delivery groups, as indicated below.

- DAASDG#1 (Compuchem SDG#04581M) - MW1, MW3, MW5, MW6, MW7, MW8, MW10, MW11, MW13 and MW17
- DAASDG#2 (Compuchem SDG#04582M) - MW2, MW4, MW9, MW12, MW14, MW15, MW16 and MW18

Inductively Coupled Plasma (ICP) and Cold Vapor Atomic Absorption analysis were the major techniques on which the individual analytical methods for each of the metals were based, and all analyses were performed in accordance with EPA Contract Laboratory Program (CLP) Statement of Work ILMO3.0. All the above target metals were analyzed for their total concentrations. Designated QC samples for duplicate analyses and matrix spike analyses for each SDG above, were collected and supplied by DAA (MW1S and MW1D for SDG#1 and MW9S and MW9D for SDG#2).

The results of this data validation presented here are based upon a review of numerous QA/QC information as well as method performance criteria information including but not limited to, holding times, preservation procedures and standards, spike analysis on sample matrix (including pre- and post-digestion spikes), laboratory control samples, blank samples analyses (method, trip, equipment, calibration and other blanks), duplicate sample analyses, duplicate spike analyses, replicate results information, dilution losses verification results, interference check sample results, and other relevant information.

CLP-ICP Method Inorganics Data Review

ICP analyses was performed on all samples, for Barium, Iron and Cadmium. A brief discussion of the results of validation of ICP data is presented in the following paragraphs. All samples were received under the required preservation conditions, in the laboratory.

Review of analysis results of samples under DAA SGD#1 revealed minor deviations from QC control limits. Recovery on matrix spike analysis exceeded control limits for Iron. Post-digestion spike analyzed following this recovered within control limits for Iron, indicating

that the high recovery on spike was not a matrix related effect. Further Iron was also reported in the trip blank1 (24 ug/l) and in Continuing Calibration Blank-CCB4 (16.3 ug/l). No validation was deemed to be required based on these observed blank concentrations of Iron and Barium. However, all sample results for Iron were validated as estimated and flagged with "J".

Considerable discrepancies associated with Iron results for samples under DAA SDG#2 were also identified. Iron was reported in trip blank2 (27.2 ug/l) and method blank (~32 ug/l). Further review of associated raw data, revealed all replicate instrumental responses from all samples were in multiples of 13.612 ug/l. It is to be noted that the LOD was specified as 5.7 ug/l. However, Compuchem upon inquiry by DAA indicated that they do not perceive this noted discrepancy had affected any of the sample results. However, duplicate results for Iron were outside control limits and hence all sample results for Iron under DAA SDG#2 were validated as estimated and flagged with "J". In addition, due to the reported blank concentrations of Iron, all sample results for Iron less than five times the preparation blank concentration (<160 ug/l) were validated as "U" (specifically samples MW12, MW14, MW18, MW4, and MW9).

Other noted discrepancies with ICP analyses for DAA SDG#2 include spike recovery for Cadmium being outside control limits and serial dilution analysis result for Barium being outside control limits. As a consequence of these deviations from method specifications all sample results for Cadmium and Barium under this SDG were validated as estimated and flagged with "J".

All other sample results were recorded as reported by the laboratory or, if the reported value was less than the detection limit, validated and reported as "U".

Atomic Absorption - Cold Vapor - Mercury analysis

Cold Vapor Atomic Absorption was used to measure Mercury in all samples. A brief discussion of the results of validation of the Atomic Absorption data is presented in the following paragraph.

All holding times, instrument calibration criteria, duplicate analyses, spiked sample recoveries, serial dilution results and blank sample analyses met the required criteria. All blanks were free of interferences. A comprehensive review of all relevant QC data indicates all analyses met the required QC and method specifications.

All sample results were recorded as reported by the laboratory or, if the detected value

was less than the detection limit, validated and reported as "U".

Filename:h:\6520-20\reports\ino4asm.sum

Inorganic Data Evaluation for ICP Methods-CLP ICP

Samples: MW9, MW2, MW4,MW12, MW14, MW16, MW15, MW18 (DAASDG #2, CompuChem SDG #4582M)

QC Samples: Blanks, Spikes, (MW9S), Duplicater (MW9D).

Laboratory: CompuChem Environmental Corp., RTP, North Carolina

Does Laboratory analyte list correspond to analyte list requested by DAA? X yes __no
Corresponds to Ba, Cd, and Fe

"X" denotes items reviewed. Appropriate notes are presented in Comments Section of each item.

X **A. QC DOCUMENTATION CRITERIA:**

X Specific LODs for all target analytes
X Specific CRDLs for all target analytes

Comments: Specific LODs and CRDLs provided for all analytes.

X **B. TECHNICAL HOLDING TIMES AND PRESERVATION REQUIREMENTS CRITERIA:**

X 6 month holding time
X Adjust pH <2 w/ HNO_3

Comments: Holding time and preservation criteria met.

X **C. INSTRUMENT CALIBRATION CRITERIA:**

X 1 calibration blank and at least 1 standard

Comments: 1 calibration blank and at least 1 standard were used for every analytical sequence.

X **D. INITIAL AND CONTINUING CALIBRATION VERIFICATION CRITERIA:**

X 10 sample frequency
X Use of calibration blank and check standard
X %R within 90-110% range
X calculate 10% of results $\%R = \frac{\text{found}}{\text{true}} \times 100$

Comments: All ICV and CCV recoveries were within control limits. All criteria met.

X **E. BLANK SAMPLES ANALYSES CRITERIA:**

X Trip Blank (check only if analyzed)
_ Equipment Blank (check only if analyzed)
X Method/Other Lab Blanks (check only if analyzed)
X Interference free
X CCB 10 sample frequency

Comments: Reported blank concentrations include Iron in Prep. blank at 32 ppb and in Trip blank2 at 27.2 ppb. All Fe results <160 ppb (5X32ppb) will be validated as "U".

X **F. INTERFERENCE CHECK SAMPLES (ICS) CRITERIA:**

X At beginning and end of batch or 8 hour frequency (after initial calibration
X Within ± 20% of true value
X Free from non ICS analytes

Comments: ICS samples were analyzed at the beginning and end of ICP analysis sequence(s). ICSAB recoveries for all analytes were within control limits.

X **G. DUPLICATE SAMPLE ANALYSES AND LABORATORY CONTROL SAMPLE (OPTIONAL) CRITERIA:**

X One duplicate per batch of samples
X **LCS:** %RPD ± 20%
X **DUP:** %RPD ± 20% for sample values greater than 5 X LOQ
X {sample ± LOQ} when values are less than 5 X LOQ
X calculate 10% of results $\%RPD = \frac{[S-D]}{(S+D)/2} \times 100$

Comments: All LCS recoveries were within control limits. Duplicate results for Fe outside control limits. All sample results for Fe will be validated as estimated.

X **H. SPIKED SAMPLES ANALYSES CRITERIA:**

X %R within 75-125% range
X post-digestion spike %R within 85-115% range if spike falls outside range.

Comments: Spike recoveries within control limits for all analytes except Cadmium (72.2%). All sample results for Cadmium will be validated as estimated and flagged "J".

X **I. SERIAL DILUTION ANALYSES CRITERIA (Not applicable to concentrations less than 10 times LOD):**

X 1:5 dilution duplicate
X %D ± 10% range
X calculate 10% of results $\%D = \frac{[I-S]}{I} \times 100$

I = Initial result
S = Serial Dilution Analyses results

Comments: Serial dilution analyses results (applicable to Ba) were outside control limits for Ba. All Ba results will be validated as estimated "J".

X **J. SAMPLE RESULTS CRITERIA:**

X Transcription and/or dilution errors
X Samples fall within ICP linear concentration ranges

Comments: Observed Fe results for all samples on all replicate measurements were multiples of 13.612μg/l. All QC recoveries were within control limits.Effects if any on sample results based on this observation could not be confirmed. All sample results for Fe will be validated as estimated "J".

DAA conducted a data validation of the above noted data set using summary tables and raw data provided by the analyzing laboratory. Data evaluation was conducted using CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994). Random representative data points were selected for calculation verification. Validation of this data set is not considered to be a comprehensive evaluation.

Validated by: N. L.

Date: 10/10/95

Inorganic Data Evaluation for ICP Methods-CLP ICP

Samples: MW1, MW3, MW5, MW6, MW7, MW8, MW10, MW11, MW13, MW17 (DAA SDG #1 CompuChem # 04581M)

QC Samples: Blanks, Spikes (MW1S), Duplicates (MW1D)

Laboratory: CompuChem Environmental Corporation, RTP, North Carolina

Does Laboratory analyte list correspond to analyte list requested by DAA? X yes __no
Corresponds to Ba, Cd, and Fe.

"X" denotes items reviewed. Appropriate notes are presented in Comments Section of each item.

X **A. QC DOCUMENTATION CRITERIA:**

X Specific LODs for all target analytes
X Specific LOQs for all target analytes

Comments: Analyte specific LODs and CRDLs provided.

X **B. TECHNICAL HOLDING TIMES AND PRESERVATION REQUIREMENTS CRITERIA:**

X 6 month holding time
X Adjust pH <2 w/ HNO_3

Comments: Holding time and preservation criteria met.

X **C. INSTRUMENT CALIBRATION CRITERIA:**

X 1 calibration blank and at least 1 standard

Comments: 1 calibration blank and 1 standard was used for initial calibration.

X **D. INITIAL AND CONTINUING CALIBRATION VERIFICATION CRITERIA:**

X 10 sample frequency
X Use of calibration blank and check standard
X %R within 90-110% range
X calculate 10% of results $\%R = \frac{\text{found}}{\text{true}} \times 100$

Comments: ICVs and CCVs were ran as required. All ICV and CCV recoveries within limits.

X **E. BLANK SAMPLES ANALYSES CRITERIA:**

X Trip Blank (check only if analyzed)
_ Equipment Blank (check only if analyzed)
X Method/Other Lab Blanks (check only if analyzed)
X Interference free
X CCB 10 sample frequency

Comments: Reported blank contamination includes: Ba in CCB2 (1ppb), and Fe in CCB4 (16.3 ppb) and Trip blank (24.1 ppb).

X **F. INTERFERENCE CHECK SAMPLES (ICS) CRITERIA:**

X At beginning and end of batch or 8 hour frequency (after initial calibration
X Within ± 20% of true value
X Free from non ICS analytes

Comments: ICSAB samples analyzed @ the beginning and end of analysis sequences. All ICSAB recoveries were within control limits.

X **G. DUPLICATE SAMPLE ANALYSES AND LABORATORY CONTROL SAMPLE (OPTIONAL) CRITERIA:**

X One duplicate per batch of samples
X **LCS:** %RPD ± 20%

X **DUP:** %RPD ± 20% for sample values greater than 5 X LOQ
X {sample ± LOQ} when values are less than 5 X LOQ

X calculate 10% of results $\%RPD = \frac{[S-D]}{(S+D)/2} \times 100$

Comments: All duplicate samples analyses and LCS recovery criteria met.

X **H. SPIKED SAMPLES ANALYSES CRITERIA:**

X %R within 75-125% range
X post-digestion spike %R within 85-115% range if spike falls outside range.

Comments: Spike analysis performed on sample MW1S. Spike recovery outside upper control limit for Iron. Post-digestion spike analysis was performed on MW1 and recovery was within control limits. However sample results for Fe will be validated as estimated and flagged with "J".

X **I. SERIAL DILUTION ANALYSES CRITERIA (Not applicable to concentrations less than 10 times LOD):**

X 1:5 dilution duplicate
X %D ± 10% range
X calculate 10% of results $\%D = \frac{[I-S]}{I} \times 100$

I = Initial result
S = Serial Dilution Analyses results

Comments: Serial dilution analyses required for Barium and Iron results. Analysis were performed and results met the relevant criteria.

X J. **SAMPLE RESULTS CRITERIA:**

X Transcription and/or dilution errors
X Samples fall within ICP linear concentration range

Comments: All sample results were within ICP linear ranges. No transcription or dilution errors observed.

DAA conducted a data validation of the above noted data set using summary tables and raw data provided by the analyzing laboratory. Data evaluation was conducted using CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994). Random representative data points were selected for calculation verification. Validation of this data set is not considered to be a comprehensive evaluation.

Validated by: N. Lee

Date: 10/18/95

Inorganic Data Evaluation for Mercury Analyses by CLP-CVAA

Samples: MW9, MW2, MW4, MW12, MW14, MW16, MW15, MW18, (DAASDG #2, CompuChem SDG #04582M)
QC Samples: Blanks, Spikes (MW9S), Duplicates (MW9D).

Laboratory: CompuChem Environmental Corp., RTP, North Carolina

Does Laboratory analyte list correspond to analyte list requested by DAA? X yes __no

"X" denotes items reviewed. Appropriate notes are presented in Comments Section of each item.

X A. QC DOCUMENTATION CRITERIA:

X Specific LODs for all target analytes
X Specific CRDLs for all target analytes

Comments: Specific LOD and CRDL provided for Hg.

X B. TECHNICAL HOLDING TIMES AND PRESERVATION REQUIREMENTS CRITERIA:

X 28 days holding time
X Adjust pH <2 w/ HNO_3

Comments: Holding time and preservation criteria met.

X C. INSTRUMENT CALIBRATION CRITERIA:

X 1 calibration blank and at least 3 standards
X Construct calibration curve at least once per analytical sequence
X Correlation coefficient $\geq$ 0.995

Comments: Instrument calibrated with 1 blank and 5 standards. All criteria met.

X **D. INITIAL AND CONTINUING CALIBRATION VERIFICATION CRITERIA:**

X 15 sample frequency
X Use of check standard
X %R within 80-120% range (± 20%)

Comments: CCV's were analyzed at 10 sample frequency. All ICV and CCV recoveries were within control limits.

X **E. BLANK SAMPLES ANALYSES CRITERIA:**

X Trip Blank (check only if analyzed)
X Equipment Blank (check only if analyzed)
X Method/Other Lab. Blanks (check only if analyzed)
X CCB run at 15 sample frequency
X Reviewed for interferences

Comments: All blanks were free of Hg contamination.

X **F. SAMPLE DUPLICATE CRITERIA:**

X One duplicate for batch of samples
X %RPD ± 20% for sample values greater than 5 times LOQ
X Use ± LOQ when 1 or more sample values are less than 5 times LOQ

Comments: Relevant duplicate sample criteria met.

X **G. SPIKED SAMPLES ANALYSES CRITERIA:**

X Spike recoveries (%R) fall within 75-125% range
X Method of Standard Additions where appropriate

Comments: Matrix Spike recovery was within control limits.

X **H. SAMPLE RESULTS CRITERIA:**

X Transcription and/or dilution errors
X Samples fall within calibration concentration range

Comments: No transcription or dilution errors noted. All criteria met.

DAA conducted a preliminary data validation of the above noted data set using summary tables and raw data provided by the analyzing laboratory. Data evaluation was conducted using CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994). Random representative data points were selected for calculation verification. Validation of this data set is not considered to be a comprehensive evaluation.

Validated by: N. Lell

Date: 10/10/95

Inorganic Data Evaluation for Mercury Analyses by CLP-CVAA

Samples: MW1, MW3, MW5, MW6, MW7, MW8, MW10, MW11, MW13, MW17 (DAA SDG #1 CompuChem # 04581M)

QC Samples: Blanks, Spikes (MW1S), Duplicates (MW1D)

Laboratory: CompuChem Environmental Corporation,RTP, North Carolina.

Does Laboratory analyte list correspond to analyte list requested by DAA? X yes __no

"X" denotes items reviewed. Appropriate notes are presented in Comments Section of each item.

X **A. QC DOCUMENTATION CRITERIA:**

X Specific LOD for all target analytes
X Specific CRDL for all target analytes

Comments: Specific LOD and CRDL provided for Mercury.

X **B. TECHNICAL HOLDING TIMES AND PRESERVATION REQUIREMENTS CRITERIA:**

X 28 days holding time
X Adjust pH <2 w/ HNO_3

Comments: Holding time and preservation criteria met.

X **C. INSTRUMENT CALIBRATION CRITERIA:**

X 1 calibration blank and at least 3 standards
X Construct calibration curve at least once per analytical sequence
X Correlation coefficient $\geq$ 0.995

Comments: 1 calibration blank and 5 standards were used.

X **D. INITIAL AND CONTINUING CALIBRATION VERIFICATION CRITERIA:**

X 15 sample frequency
X Use of check standard
X %R within 80-120% range (± 20%)

Comments: ICV and CCV recoveries were within control limits. CCVs run at 10 sample frequency. All relevant criteria met.

X **E. BLANK SAMPLES ANALYSES CRITERIA:**

X Trip Blank (check only if analyzed)
X Equipment Blank (check only if analyzed)
X Method/Other Lab. Blanks (check only if analyzed)
X CCB run at 15 sample frequency
X Reviewed for interferences

Comments: All blanks were free of any Hg presence.

X **F. SAMPLE DUPLICATE CRITERIA:**

X One duplicate for batch of samples
X %RPD ± 20% for sample values greater than 5 times LOQ
X Use ± LOQ when 1 or more sample values are less than 5 times LOQ

Comments: Duplicate recoveries met relevant criteria.

X **G. SPIKED SAMPLES ANALYSES CRITERIA:**

X Spike recoveries (%R) fall within 75-125% range
X Method of Standard Additions where appropriate

Comments: Spike (MW1S) recovered within control limits.

X **H. SAMPLE RESULTS CRITERIA:**

X Transcription and/or dilution errors
X Samples fall within calibration concentration range

Comments: No transcription or dilution error observed. All sample results were less than IDL. All criteria met.

DAA conducted a preliminary data validation of the above noted data set using summary tables and raw data provided by the analyzing laboratory. Data evaluation was conducted using CLP data validation guidelines (USEPA Contract Laboratory Program National Functional Guidelines for Inorganic Data Review, February 1994). Random representative data points were selected for calculation verification. Validation of this data set is not considered to be a comprehensive evaluation.

Validated by: N. Lll

Date: 10/10/95

Analytical Data Set Notes

METHOD	DETECTED ANALYTES	WELLS	LAB RESULT (PPB)	VALIDATED RESULT (PPB)	NOTES
CLP-ICP	Barium	MW1	143B	143	No Action Taken
CLP-ICP	Barium	MW10	93.1B	93.1	No Action Taken
CLP-ICP	Barium	MW11	295	295	No Action Taken
CLP-ICP	Barium	MW13	54.4B	54.4	No Action Taken
CLP-ICP	Barium	MW17	77.3B	77.3	No Action Taken
CLP-ICP	Barium	MW3	82.0B	82.0	No Action Taken
CLP-ICP	Barium	MW5	591	591	No Action Taken
CLP-ICP	Barium	MW6	477	477	No Action Taken
CLP-ICP	Barium	MW7	426	426	No Action Taken

See Definition Section (Section IV.B) for additional information on Data Validation Qualifiers.

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Analytical Data Set Notes

METHOD	ANALYTES	WELLS	LAB RESULT (PPB)	VALIDATED RESULT (PPB)	NOTES
CLP-ICP	Barium	MW8	65.0B	65.0	No Action Taken
CLP-ICP	Barium	Trip Blank1	0.57B	0.57	No Action Taken
CLP-ICP	Cadmium	All samples except MW7	0.30U	U	No Action Taken
CLP-ICP	Cadmium	MW7	12.3	12.3	No Action Taken
CLP-ICP	Iron	MW1	2490	2490J	Matrix Spike recovery exceeded control limits.
CLP-ICP	Iron	MW10	234	234J	Matrix Spike recovery exceeded control limits.
CLP-ICP	Iron	MW11	15.7U	U	No Action Taken
CLP-ICP	Iron	MW13	131	131J	Matrix Spike recovery exceeded control limits.
CLP-ICP	Iron	MW17	63.7B	63.7J	Matrix Spike recovery exceeded control limits.

See Definition Section (Section IV.B) for additional information on Data Validation Qualifiers.

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Analytical Data Set Notes

METHOD	DETECTED ANALYTES	WELLS	LAB RESULT (PPB)	VALIDATED RESULT (PPB)	NOTES
CLP-ICP	Iron	MW3	3600	3600J	Matrix Spike recovery exceeded control limits
CLP-ICP	Iron	MW5	15.7U	U	No Action Taken
CLP-ICP	Iron	MW6	8300	8300J	Matrix Spike recovery exceeded control limits.
CLP-ICP	Iron	MW7	5180	5180J	Matrix Spike recovery exceeded control limits.
CLP-ICP	Iron	MW8	149	149J	Matrix Spike recovery exceeded control limits.
CLP-ICP	Iron	Trip Blank1	24.1B	24.1	No Action Taken
CLP-CVAA	Mercury	All samples	0.20U	U	No Action Taken
CLP-ICP	Barium	MW12	97.7B	97.7J	Serial dilution results outside control limits
CLP-ICP	Barium	MW14	16.4B	16.4J	Serial dilution results outside control limits

See Definition Section (Section IV.B) for additional information on Data Validation Qualifiers.

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Analytical Data Set Notes

METHOD	PARAMETER	WELLS	LAB RESULT (PPB)	VALIDATED RESULT (PPB)	NOTES
CLP-ICP	Barium	MW15	78.4B	78.4J	Serial dilution result outside control limits
CLP-ICP	Barium	MW16	70.3B	70.3J	Serial dilution result outside control limits
CLP-ICP	Barium	MW18	83.0B	83.0J	Serial dilution result outside control limits
CLP-ICP	Barium	MW2	212	212J	Serial dilution result outside control limits
CLP-ICP	Barium	MW4	23.2B	23.2J	Serial dilution result outside control limits
CLP-ICP	Barium	MW9	628	628J	Serial dilution result outside control limits
CLP-ICP	Barium	Trip Blank2	0.80U	U	No Action Taken
CLP-ICP	Cadmium	MW12	4.4U	UJ	Matrix Spike recovery outside lower control limits
CLP-ICP	Cadmium	MW14	4.4U	UJ	Matrix Spike recovery outside lower control limits

See Definition Section (Section IV.B) for additional information on Data Validation Qualifiers.

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Analytical Data Set Notes

METHOD	DETECTED ANALYTES	WELLS	LAB RESULT (PPB)	VALIDATED RESULT (PPB)	NOTES
CLP-ICP	Cadmium	MW15	4.4U	UJ	Matrix Spike recovery outside lower control limit
CLP-ICP	Cadmium	MW16	4.4U	UJ	Matrix Spike recovery outside lower control limit
CLP-ICP	Cadmium	MW18	4.4U	UJ	Matrix Spike recovery outside lower control limit
CLP-ICP	Cadmium	MW2	4.4U	UJ	Matrix Spike recovery outside lower control limit
CLP-ICP	Cadmium	MW4	4.4U	UJ	Matrix Spike recovery outside lower control limit
CLP-ICP	Cadmium	MW9	4.4U	UJ	Matrix Spike recovery outside lower control limit
CLP-ICP	Cadmium	Trip Blank2	4.4U	U	No Action Taken
CLP-ICP	Iron	MW12	54.4B	UJ	* Detected in prep blank (32 ppb) and Trip blank2 (27 ppb). Validated as "U" < (5X32 ppb). Duplicate result outside control limits.
CLP-ICP	Iron	MW14	40.8B	UJ	* Detected in prep blank (32 ppb) and Trip blank2 (27 ppb). Validated as "U" < (5X32 ppb). Duplicate result outside control limits.

See Definition Section (Section IV.B) for additional information on Data Validation Qualifiers.

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Analytical Data Set Notes

METHOD	DETECTED ANALYTES	WELLS	LAB RESULT (PPB)	VALIDATED RESULT (PPB)	NOTES
CLP-ICP	Iron	MW15	490	490J	Duplicate analysis results outside control limits.
CLP-ICP	Iron	MW16	331	331J	Duplicate analysis results outside control limits.
CLP-ICP	Iron	MW18	40.8B	UJ	* Detected in prep. blank (32 ppb) and Trip blank2 (27ppb). Validated as "U" < (5X32ppb). Duplicate result outside control limits.
CLP-ICP	Iron	MW4	54.4	UJ	* Detected in prep. blank (32 ppb) and Trip blank2 (27ppb). Validated as "U" < (5X32ppb). Duplicate result outside control limits.
CLP-ICP	Iron	MW9	81.7B	UJ	* Detected in prep. blank (32 ppb) and Trip blank2 (27ppb). Validated as "U" < (5X32ppb). Duplicate result outside control limits.
CLP-ICP	Iron	MW2	245	245J	Duplicate analysis result outside control limits.
CLP-ICP	Iron	Trip Blank2	27.2B	27.2	No Action Taken.

See Definition Section (Section IV.B) for additional information on Data Validation Qualifiers.

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SECTION 1.3

REVISIONS TO ORIGINAL DATA SET

Draper Aden Associates
CONSULTING ENGINEERS
2206 South Main Street
Blacksburg, Virginia 24060
Phone: (703) 552-0444
Fax: (703) 552-0291

June 21, 1995

Mr. Mark Ross
Inorganics Division Manager
CompuChem Environmental Corp.
3306 Chapel Hill/Nelson Highway
Research Triangle Park, NC 27709-4998

RE: Watauga County Landfill
April 1995 Sampling Inorganic Analysis Report
CompuChem SDG# 04582M
DAA JN: 6520-20

Dear Mark:

This inquiry is with regard to analyses results for Iron on all groundwater samples analyzed by CompuChem on this monitoring event, under the above SDG#. As I had previously explained to you during our telephone conversations, every instrumental response, for any analysis performed after the analysis of the Continuing Calibration blank at 02:36:11 on 4/27/95 is a multiple of 13.612 ug/l. As provided by this data package, the detection limits for Iron were 5.9 ug/l. Replicate method blank results were all multiples of 13.612 ug/l (27.223 ug/l, 27.223 ug/l and 40.835 ug/l). Instrumental responses at the same concentration ranges were also observed in replicate results for most of the field samples including MW9 (81.667 ug/l, 81.667 ug/l and 81.667 ug/l), MW9D (54.446 ug/l, 54.446 ug/l, 54.446 ug/l), MW9L (40.835ug/l, 40.835 ug/l, 40.835 ug/l), MW4 (54.446, 54.446 ug/l, 54.446 ug/l), MW14 (40.835 ug/l, 40.835 ug/l and 40.835 ug/l), MW12 (54.446, 54.446 ug/l, 54.446 ug/l), MW18 (40.835 ug/l, 40.835 ug/l and 40.835 ug/l), Trip Blank2 (27.223 ug/l, 27.223 ug/l and 27.223 ug/l), and MW9A (27.223 ug/l, 27.223 ug/l and 13.612 ug/l). Replicate results for all other samples were also multiples of 13.612 ug/l.

It is apparent that the spike recoveries and other QC recoveries were within control limits. However, most of the sample concentrations were an order of magnitude less than the smallest of the true QC sample concentrations which was about 1000 ug/l. At the smallest of these QC sample true spike concentrations, and even with the most conservative of the limits which is 10% of true spike conc., there is a margin of error of 100 ug/l which is greater that most of these sample results. A more representative QC sample with spike concentration in the concentration range of actual sample results may have provided better indication and identification of the discrepancy.

As per my previous inquiries, our intent has been to identify the problem if any, which may have affected sample results for Iron on this data package as well as to prevent any future reoccurrence of this discrepancy. This intent is clearly within the realm of our responsibility. With a detection limit of 5.9 ug/l a meaningful PQL/Limit of Quantitation (LOQ) must not be greater than a maximum of 10 times this detection limit. The CRDL is by no means a true reflection of the quantitation limit of your instrument. We have never before been confronted with any documentation or direct reference from any other laboratory in contrary to our above estimation of PQLs. Please explain the above noted discrepancy and provide an explanation as to how the observed discrepancies may not have influenced the sample results for this data package, and as to how these sample results are accurate. Your expedited response is requested.

Sincerely,
DRAPER ADEN ASSOCIATES

Srikanth Nathella
Project Engineer

SN/rc

cc: Mr. Jeff Smith, Project Manager, DAA
Mr. Rick Giglio, CompuChem Environmental Corp.

Draper Aden Associates
CONSULTING ENGINEERS
2206 South Main Street
Blacksburg, Virginia 24060
(703) 552-0444

April 19, 1995

Mr. Mark Ross
Inorganics Division Manager
CompuChem Environmental Corp.
3306 Chapel Hill/Nelson Highway
Research Triangle Park, NC 27709-4998

RE: Watauga County Landfill
February 6-10, 1995 Sampling Inorganic Analysis Report
CompuChem SDG #s 00732M, 00732MA
DAAJN 6520-20

Dear Mark:

Per our conversation on April 11, 1995, I am herein briefing details of my inquiry regarding the inorganic analysis data package for the above referenced facility and sampling event. As you are aware of, inorganic analyses of groundwater samples collected during this sampling event was performed and reported by CompuChem under five Sample Delivery Groups. Of these, samples MW12, MW13, MW14, MW15, MW16, MW18, MW5, MW7, MW9 were analyzed under CompuChem SDG #00732M. Samples MW5D and MW9D, were collected and submitted by Draper Aden Associates along with the above listed 9 samples to serve as the designated duplicate samples. However these samples were analyzed and reported under SDG #00732MA. This as you will agree, this is not consistent with the relevance of analyzing duplicate samples itself. However, in an effort to use the data for MW5D and MW9D from SDG #00732MA, we evaluated the data and found the analytical sequences to be adhering to required QC and method specifications.

We also reviewed and validated the data from SDG 00732M. CompuChem designated MW5 as the duplicate sample and used the matrix from sample MW5 itself to perform duplicate sample analysis. Comparison of these duplicate results to the actual sample results for MW5 revealed RPDs of approximately 26% for Barium and Iron. However results for Cadmium and Mercury were less than detection limit in both cases and hence showed good agreement between sample and duplicate results. However, comparing results for MW5D from SDG #00732MA which was an independent sample and analyzed in a different batch from the original sample MW5 showed excellent agreement in results for all four analytes with sample MW5. Assuming the original concentrations from sample MW5 for both Iron and Barium to be true concentrations, %D calculated for both results was approximately 23%. This is

strongly suggestive of a calculation error during duplicate sample preparation process on SDG #00732M, or some other sample preparation or analysis error. Please review these above data packages and provide explanations to this possible discrepancy. Please call me if you have any questions or concerns.

Sincerely,
DRAPER ADEN ASSOCIATES

Srikanth Nathella
Project Engineer

SN

cc: Mr. William Newcomb, Groundwater Project Manager, DAA
Mr. Jeff Smith, Project Geologist, DAA
Ms. Janet Cleary, Senior Environmental Scientist, DAA

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

Mr. Srikanth Nathella
DRAPER ADEN ASSOCIATES
2206 South Main Street
Blacksburg, VA 24060

RE: Inquiry on Inorganic Data Package:
Case # 50067 / SDG # 04582M

Dear Mr. Nathella,

This is in response to your inquiry about the above data package.

First of all, it should be pointed out that the analyses were all performed using established EPA protocol and procedure (ILM03.0 SOW), as called for in our contract. The EPA protocol sets a CRDL (Contract Required Detection Limits) of 100 ug/L for iron and stipulates the use of 1000 ug/L matrix spike in the QC check. Presumably, these criteria were based on the assumption that the analyte concentration in a sample would be at least 100 ug/L and would most probably be above 1000 ug/L. For the groundwater samples in this data package, this assumption is clearly not valid since the iron concentration in the sample ID# MW9 (which you designated on the C-O-C to use as Lab QC) was below 100 ug/L.

The fact that the iron concentrations in the samples were below the CRDL of 100 ug/L is the crux of our difficulty and disagreement. When the analyte concentration is below the CRDL, the QC check becomes meaningless since the recovery tolerance (+/- 25 %) for the 1000 ug/L matrix spike is much larger than the analyte concentration (the recovery of Fe in our matrix spike was 94.4 %). Your suggestion of using a lower matrix spike concentration is not permitted in the rigid EPA protocol, which we have to follow exactly in CLP analyses.

The fact that many results were multiples of 13.612 ug/L is an indication that the instrument was operating at its detection limit. Like other electronic instrument, the ICP detector response becomes discrete (as opposed to continuous) when it gets to be sufficiently small. Apparently, an iron concentration in the range of 0 - 100 ug/L is sufficiently small to cause the detector response to vary in a discrete manner, i.e., to change in discrete multiples of 13.612 ug/L. In this regard, 13.612 ug/L is a better measure of the instrument detection limit than 5.9

ug/L, which you have referred to several times. The latter value was not measured directly but was derived from a statistical analysis of repeat measurements designed to test reproducibility. Specifically, it was calculated from the standard deviation of repeated measurement results. It should not be taken literally as a true measure of the instrument detection limit but rather as a rough guide that may be off by a factor of up to 5.

In order to get more definitive results, it would have been necessary to raise the iron concentration by evaporating off most of the water in the groundwater samples. A 20-to-1 enrichment would probably have worked well. Unfortunately, the enrichment provision was not asked for in the contract.

I hope the above explanation will resolve your concern. If I can be of further assistance, please write to me.

Sincerely,

Ann K. Lim
Final Technical Reviewer
July 20, 1995

c: Mark S. Ross
Rick Giglio
Jeff Smith, Project Manager, DAA

SECTION 1.4

CLP METALS ANALYTICAL DATA

ORIGINAL

COMPUCHEM
ENVIRONMENTAL
CORPORATION

3306 Chapel Hill/Nelson Highway P.O. Box 14998
Research Triangle Park, NC 27709-4998
(919) 406-1600

26/APR/95

Draper Aden Associates
Attn: Ms. Janet Cleary
2206 South Main Street
Blacksburg, VA 24060

Subject: Report of Data - Account Number# 500672 Order# 30458

Attn: Ms. Janet Cleary

Enclosed are the results of analytical work performed in accordance with the referenced account number.

This report covers 11 sample(s) appearing on the attached listing.

Thank you for selecting CompuChem Environmental for your sample analysis. If you should have questions or require additional analytical services please contact your representative at 1-919-406-1600.

Sincerely,

Report Preparation
CompuChem Laboratories, Inc.

Attachment

COMPUCHEM
ENVIRONMENTAL
CORPORATION

26/APR/95

Draper Aden Associates
Attn: Ms. Janet Cleary
2206 South Main Street
Blacksburg, VA 24060

ACCOUNT #: 500672

CC#	SAMPLE-ID	RECEIPT DATE
702281	TRIPBLANK	4/13/95
702297	MW1	4/13/95
702301	MW3	4/13/95
702305	MW5	4/13/95
702310	MW6	4/13/95
702313	MW7	4/13/95
702317	MW8	4/13/95
702319	MW10	4/13/95
702323	MW11	4/13/95
702326	MW13	4/13/95
702329	MW17	4/13/95

TOTAL NUMBER OF SAMPLES = 11

COMPUCHEM
ENVIRONMENTAL
CORPORATION

INORGANIC CASE SUMMARY NARRATIVE
CASE # 50067 SDG # 04581M
CONTRACT # ILM03.0

The indicated Sample Delivery Group (SDG) consisting of eleven water samples was received into the laboratory management system (LMS) on April 13, 1995 intact and in good condition with Chain of Custody (COC) Records in order. The samples were analyzed, in accordance with EPA CLP Statement of Work (SOW) ILM03.0 for the barium, cadmium, iron, and mercury only.

This SDG package was processed using the Ward Scientific software. This software package has a seven character limitation on the Form 13, and an eight character limitation on the Form 14 -- any sample ID's which exceed the character limitations are truncated from left to right on these forms.

SAMPLE IDs:

The following customer IDs are associated with this SDG:

MW1, MW10, MW11, MW13, MW17, MW3, MW5, MW6, MW7, MW8
TRIPBLANK

INSTRUMENTAL QUALITY CONTROL:

All calibration verification solutions (ICV & CCV), blanks (ICB, CCB) and interference check samples (ICSA & ICSAB) associated with this data were confirmed to be within EPA CLP allowable limits.

SAMPLE PREPARATION QUALITY CONTROL:

The sample preparation procedure verifications (LCS & PB) were found to be within acceptable ranges and all field samples were prepared and analyzed within the contract specified holding times.

MATRIX RELATED QUALITY CONTROL:

The sample matrix spike, MW1S, was found to be outside CLP control limits for iron. The reported concentrations

for these analytes are flagged with an "N" on all associated Form 1 and on Form 5a.

An "N" indicates a matrix-related interference in the sample preparation procedure &/or analysis for the flagged analyte. This is normally the consequence of a relatively high anionic content in the sample or (for some sediments) an inconsistent sample matrix relative to that analyte.

CLP control limits for matrix spike recoveries are set at 75% to 125% of the analyte quantity added unless original sample concentrations exceed the true values of these "spikes" by a factor of four or more; in this case affected analytes are not flagged even if recoveries fall outside percentage recovery control limits.

Post-digestion spikes are mandatory for analytes demonstrating unsatisfactory matrix spike recoveries during ICP analysis (excluding silver). The results of such spikes are presented on Form 5b.

Unsatisfactory recovery of post-digestion spikes of this type do not have bearing upon the aforementioned "N" flags, but may indicate interference during analysis &/or a solution matrix which is hostile to the analyte in question.

Satisfactory recovery of an analyte in a post-preparation spike of this type implies interference by the required preparation procedure or in the sample matrix itself. Lack of uniformity for an analyte in sediments will also result in satisfactory recovery of post-digestion spikes after failure in the related matrix spike.

The sample matrix duplicate, MW1D, was within CLP control limits for all requested analytes.

CLP control limits for duplicate determinations are +/- 20% Relative Percent Difference (RPD) for concentrations greater than or equal to five times the CRDL in both the original and duplicate samples, and +/- the CRDL for concentrations less than five times the CRDL. The RPD is not calculated if both the original and duplicate values fall below the IDL.

A five-fold serial dilution of sample, MW1L, was performed in accordance with CLP requirements for ICP

analysis. The adjusted sample concentrations were inside CLP control limits for all requested analytes.

CLP control limits for serial dilution are defined as a deviation less than or equal to 10% in the dilution-adjusted concentrations from the original values for all analyte concentrations with values greater than fifty (50) times their respective Instrument Detection Limit (IDL) in the original sample.

Release of the data contained in this hard copy data package has been authorized by the laboratory Manager or his designee, as verified by the following signature.

Jeanne Alston
Final Technical Reviewer
April 25, 1995

Note: This report is paginated for reference and accountability.

U.S. EPA - CLP

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067 SAS No.: _____ SDG No.:04581M

SOW No.: ILM03.0

EPA Sample No.	Lab Sample ID
_MW1_____	__702297_____
_MW1D_____	__702290_____
_MW1S_____	__702289_____
_MW10_____	__702319_____
_MW11_____	__702323_____
_MW13_____	__702326_____
_MW17_____	__702329_____
_MW3_____	__702301_____
_MW5_____	__702305_____
_MW6_____	__702310_____
_MW7_____	__702313_____
_MW8_____	__702317_____
_TRIPBLANK_____	__702281_____

Were ICP interelement corrections applied ? Yes/No YES

Were ICP background corrections applied ? Yes/No YES
If yes - were raw data generated before application of background corrections ? Yes/No NO_

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 data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: Joanne C. Austin Jr. Name: Mark Ross

Date: Apr. 25, 1995 Title: Inorganic Div. Manager

U.S. EPA - CLP

1

INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW1

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702297

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	143	B		P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	2490		N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Duplicate_(MW1D)

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW1

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702297

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	143	B		P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	2490		N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

Duplicate_(MW1D)

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW10

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702319

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	93.1	B		P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	234		N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW11

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702323

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	295			P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	15.7	U	N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW13

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702326

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium___	54.4	B		P_
7440-43-9	Cadmium__	0.30	U		P_
7439-89-6	Iron_____	131		N	P_
7439-97-6	Mercury__	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW17

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702329

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	77.3	B		P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	63.7	B	N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW3

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702301

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium___	82.0	B		P_
7440-43-9	Cadmium__	0.30	U		P_
7439-89-6	Iron_____	3600		N	P_
7439-97-6	Mercury__	0.20	U		CV

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

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1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW5

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702305

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	591			P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	15.7	U	N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW6

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702310

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	477			P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	8300		N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW7

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702313

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	426			P
7440-43-9	Cadmium	12.3			P
7439-89-6	Iron	5180		N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: BROWN____ Clarity Before: CLOUDY Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

MW8

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702317

Level (low/med): LOW__ Date Received: 04/13/95

% Solids: __0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	65.0	B		P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	149		N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR_ Texture: _____

Color After: COLORLESS Clarity After: CLEAR_ Artifacts: _____

Comments:

U.S. EPA - CLP

1
INORGANIC ANALYSES DATA SHEET

EPA SAMPLE NO.

TRIPBLANK

Lab Name: COMPUCHEM_ENV._CORP. Contract: ILM03.0

Lab Code: COMPU Case No.: 50067 SAS No.: SDG No.: 04581M

Matrix (soil/water): WATER Lab Sample ID: 702281

Level (low/med): LOW Date Received: 04/13/95

% Solids: 0.0

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

CAS No.	Analyte	Concentration	C	Q	M
7440-39-3	Barium	0.57	B		P
7440-43-9	Cadmium	0.30	U		P
7439-89-6	Iron	24.1	B	N	P
7439-97-6	Mercury	0.20	U		CV

Color Before: COLORLESS Clarity Before: CLEAR Texture:

Color After: COLORLESS Clarity After: CLEAR Artifacts:

Comments:

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium	2009.0	1970.00	98.1	1000.0	1002.00	100.2	1024.00	102.4	P
Cadmium	510.0	489.00	95.9	1000.0	998.20	99.8	993.00	99.3	P
Iron	1985.0	1979.00	99.7	2000.0	2081.00	104.0	2059.00	103.0	P
Mercury	4.9	5.43	110.8	3.0	3.10	103.3	2.99	99.7	CV

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium				1000.0	1013.00	101.3	1009.00	100.9	P
Cadmium				1000.0	995.20	99.5	997.80	99.8	P
Iron				2000.0	2115.00	105.8	2142.00	107.1	P
Mercury				3.0	2.91	97.0	2.94	98.0	CV

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium				1000.0	1022.00	102.2	1018.00	101.8	P
Cadmium				1000.0	994.30	99.4	987.70	98.8	P
Iron				2000.0	2098.00	104.9	2084.00	104.2	P
Mercury				3.0	2.98	99.3	3.06	102.0	CV

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium				1000.0	1019.00	101.9	1006.00	100.6	P
Cadmium				1000.0	989.00	98.9	989.80	99.0	P
Iron				2000.0	2106.00	105.3	2095.00	104.8	P
Mercury				3.0	3.11	103.7			CV

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium				1000.0	1021.00	102.1	1031.00	103.1	P
Cadmium				1000.0	990.70	99.1	985.70	98.6	P
Iron				2000.0	2083.00	104.2	2064.00	103.2	P
Mercury									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium				1000.0	1031.00	103.1	1029.00	102.9	P
Cadmium				1000.0	988.30	98.8	987.00	98.7	P
Iron				2000.0	2088.00	104.4	2088.00	104.4	P
Mercury									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium									NR
Cadmium									NR
Iron	1985.0	1963.00	98.9	2000.0	2074.00	103.7	2074.00	103.7	P
Mercury									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium									NR
Cadmium									NR
Iron				2000.0	2051.00	102.6	2075.00	103.8	P
Mercury									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium									NR
Cadmium									NR
Iron				2000.0	2072.00	103.6	2043.00	102.2	P
Mercury									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium									NR
Cadmium									NR
Iron				2000.0	2098.00	104.9	2069.00	103.4	P
Mercury									NR

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

U.S. EPA - CLP

2A
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Initial Calibration Source: EPA-LV_____

Continuing Calibration Source: SPEX_____

Concentration Units: ug/L

Analyte	Initial Calibration True	Initial Calibration Found	Initial Calibration %R(1)	Continuing Calibration True	Continuing Calibration Found	Continuing Calibration %R(1)	Continuing Calibration Found	Continuing Calibration %R(1)	M
Barium									NR
Cadmium									NR
Iron				2000.0	2034.00	101.7	2054.00	102.7	P
Mercury									NR

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

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

AA CRDL Standard Source: SPEX_____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Barium								
Cadmium				10.0	10.26	102.6	10.09	100.9
Iron								
Mercury	0.2	0.16	80.0					

U.S. EPA - CLP

2B
CRDL STANDARD FOR AA AND ICP

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

AA CRDL Standard Source: SPEX_____

ICP CRDL Standard Source: SPEX_____

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
					Initial		Final	
	True	Found	%R	True	Found	%R	Found	%R
Barium								
Cadmium				10.0			10.08	100.8
Iron								
Mercury								

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium	0.2	U	0.2	U	1.0	B	0.2	U	0.200	U	P
Cadmium	0.3	U	0.3	U	0.3	U	0.3	U	0.300	U	P
Iron	15.7	U	15.7	U	15.7	U	15.7	U	15.700	U	P
Mercury	0.2	U	0.2	U	0.2	U	0.2	U	0.200	U	CV

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium			0.2	U	0.2	U	0.2	U			P
Cadmium			0.3	U	0.3	U	0.3	U			P
Iron			16.3	B	15.7	U	15.7	U			P
Mercury			0.2	U	0.2	U	0.2	U			CV

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium			0.2	U	0.2	U	0.2	U			P
Cadmium			0.3	U	0.3	U	0.3	U			P
Iron			15.7	U	15.7	U	15.7	U			P
Mercury			0.2	U							CV

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium			0.2	U	0.2	U	0.2	U			P
Cadmium			0.3	U	0.3	U	0.3	U			P
Iron			15.7	U	15.7	U	15.7	U			P
Mercury											NR

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium											NR
Cadmium											NR
Iron	15.7	U	15.7	U	15.7	U	15.7	U			P
Mercury											NR

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium											NR
Cadmium											NR
Iron			15.7	U	15.7	U	15.7	U			P
Mercury											NR

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium											NR
Cadmium											NR
Iron			15.7	U	15.7	U	15.7	U			P
Mercury											NR

U.S. EPA - CLP

3
BLANKS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Preparation Blank Matrix (soil/water): _____

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Prepa-ration Blank	C	M
Barium											NR
Cadmium											NR
Iron			15.7	U							P
Mercury											NR

U.S. EPA - CLP

4

ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Barium	0	485	-1	513.3	105.8	-1	515.0	106.2
Cadmium	0	899	14	969.2	107.8	14	966.2	107.5
Iron	190704	191319	198900	197200.0	103.1	200500	199600.0	104.3
Mercury								

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	%R	Final Found Sol. A	Final Found Sol. AB	%R
Barium	0	485				-1	526.6	108.6
Cadmium	0	899				11	960.2	106.8
Iron	190704	191319				197000	197800.0	103.4
Mercury								

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Barium								
Cadmium								
Iron	190704	191319	196100	200600.0	104.9	195300	199600.0	104.3
Mercury								

U.S. EPA - CLP

4
ICP INTERFERENCE CHECK SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ ICS Source: ICF_____

Concentration Units: ug/L

Analyte	True Sol. A	True Sol. AB	Initial Found Sol. A	Initial Found Sol. AB	Initial Found %R	Final Found Sol. A	Final Found Sol. AB	Final Found %R
Barium								
Cadmium								
Iron	190704	191319				196200	197600.0	103.3
Mercury								

U.S. EPA - CLP

5A
SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW1S

Lab Name: COMPUCHEM_ENV._CORP. Contract: ILM03.0

Lab Code: COMPU Case No.: 50067 SAS No.: SDG No.: 04581M

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

% Solids for Sample: 0.0

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Barium	75-125	2161.0000		143.4000	B	2000.00	100.9		P
Cadmium	75-125	49.1200		0.3000	U	50.00	98.2		P
Iron	75-125	3767.0000		2489.0000		1000.00	127.8	N	P
Mercury	75-125	0.9200		0.2000	U	1.00	92.0		CV

Comments:

U.S. EPA - CLP

5B
POST DIGEST SPIKE SAMPLE RECOVERY

EPA SAMPLE NO.

MW1A

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Matrix (soil/water) : WATER_ Level (low/med): LOW___

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Added (SA)	%R	Q	M
Barium									NR
Cadmium									NR
Iron		7162.00		2489.00		5000.0	93.5		P
Mercury									NR

Comments:

U.S. EPA - CLP

6
DUPLICATES

EPA SAMPLE NO.

MW1D

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

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

% Solids for Sample: __0.0 % Solids for Duplicate: ___0.0

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Barium		143.4000	B	143.2000	B	0.1		P
Cadmium		0.3000	U	0.3000	U			P
Iron		2489.0000		2512.0000		0.9		P
Mercury		0.2000	U	0.2000	U			CV

U.S. EPA - CLP

7
LABORATORY CONTROL SAMPLE

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

Solid LCS Source: _____

Aqueous LCS Source: PELMER_____

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Barium	20000.0	19250.00	96.2						
Cadmium	500.0	479.70	95.9						
Iron	10000.0	10090.00	100.9						
Mercury									

U.S. EPA - CLP

8
STANDARD ADDITION RESULTS

Lab Name: COMPUCHEM_ENV._CORP._____ Contract:ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.:_____ SDG No.:04581M

Concentration Units: ug/L

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

U.S. EPA - CLP

9
ICP SERIAL DILUTION

EPA SAMPLE NO.

MW1L

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Barium	143.40	B	145.70	B	1.6		P
Cadmium	0.30	U	1.50	U			P
Iron	2489.00		2503.50		0.6		P
Mercury							NR

U.S. EPA - CLP

10
Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

ICP ID Number: _____ Date: 04/15/95

Flame AA ID Number : V2_____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Barium			200		NR
Cadmium			5		NR
Iron			100		NR
Mercury	253.70		0.2	0.2	CV

Comments:

U.S. EPA - CLP

10
Instrument Detection Limits (Quarterly)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ Date: 04/15/95

Flame AA ID Number : _____

Furnace AA ID Number : _____

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Barium	493.41		200	0.2	P
Cadmium	226.50		5	0.3	P
Iron	271.44		100	15.7	P
Mercury			0.2		NR

Comments:

U.S. EPA - CLP

11A
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ Date: 01/15/95

Analyte	Wave-length (nm)	Interelement Correction Factors for : Al	Ca	Fe	Mg	CO_
Barium	493.41	0.0000040	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.50	-0.0000070	0.0000000	0.0001440	0.0000000	0.0000000
Iron	271.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						

Comments:

U.S. EPA - CLP

11B
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ Date: 01/15/95

Analyte	Wave-length (nm)	Interelement Correction Factors for :				
		K__	MN_	NA_	TL_	V__
Barium___	_493.41__	_0.0000000	_0.0000000_	_0.0000000	_0.0000000	_0.0000000
Cadmium__	_226.50__	_0.0000000	_0.0000000_	_0.0000000	_0.0000000	_0.0000000
Iron_____	_271.44__	_0.0000000	_0.0000000_	_0.0000000	_0.0000000	_0.0000000
Mercury__						

Comments:

U.S. EPA - CLP

12
ICP LINEAR RANGES (QUARTERLY)

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.: 04581M

ICP ID Number: ICP3_____ Date: 04/15/95

Analyte	Integ. Time (sec.)	Concentration (ug/L)	M
Barium	15.00	25000.0	P
Cadmium	15.00	10000.0	P
Iron	15.00	250000.0	P
Mercury			NR

Comments:

U.S. EPA - CLP

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PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067_ SAS No.: _____ SDG No.:04581M

Method: P_

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
LCSW	04/21/95		100
MW1	04/21/95		100
MW10	04/21/95		100
MW11	04/21/95		100
MW13	04/21/95		100
MW17	04/21/95		100
MW1D	04/21/95		100
MW1S	04/21/95		100
MW3	04/21/95		100
MW5	04/21/95		100
MW6	04/21/95		100
MW7	04/21/95		100
MW8	04/21/95		100
PBW	04/21/95		100
IPBLANK	04/21/95		100

U.S. EPA - CLP

13
PREPARATION LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.:_50067_ SAS No.: _____ SDG No.:04581M

Method: CV

EPA Sample No.	Preparation Date	Weight (gram)	Volume (mL)
MW1	04/21/95		100
MW10	04/21/95		100
MW11	04/21/95		100
MW13	04/21/95		100
MW17	04/21/95		100
MW1D	04/21/95		100
MW1S	04/21/95		100
MW3	04/21/95		100
MW5	04/21/95		100
MW6	04/21/95		100
MW7	04/21/95		100
MW8	04/21/95		100
PBW	04/21/95		100
IPBLANK	04/21/95		100

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/22/95 End Date: 04/23/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
S0	1.00	1231		X	X	X																					
S	1.00	1237			X																						
S	1.00	1240				X																					
S	1.00	1245		X																							
S	1.00	1248																									
S	1.00	1254																									
ICV	1.00	1254		X	X	X																					
ICV	1.00	1259																									
ICV	1.00	1305																									
ICB	1.00	1310		X	X	X																					
ICSA	1.00	1315		X	X	X																					
ICSAB	1.00	1321		X	X	X																					
CRI	1.00	1326			X																						
CCV	1.00	1331		X	X	X																					
CCB	1.00	1337		X	X	X																					
ZZZZZZ	1.00	1342																									
ZZZZZZ	1.00	1348																									
ZZZZZZ	1.00	1353																									
PBW	1.00	1358		X	X	X																					
ZZZZZZ	1.00	1404																									
ZZZZZZ	5.00	1409																									
ZZZZZZ	1.00	1415																									
ZZZZZZ	5.00	1420																									
ZZZZZZ	1.00	1425																									
LCSW	1.00	1431		X	X	X																					
CCV	1.00	1436		X	X	X																					
CCB	1.00	1441		X	X	X																					
ZZZZZZ	1.00	1447																									
ZZZZZZ	1.00	1452																									
ZZZZZZ	1.00	1458																									
ZZZZZZ	5.00	1503																									
ZZZZZZ	1.00	1508																									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/22/95 End Date: 04/23/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	1514																									
ZZZZZZ	1.00	1519																									
ZZZZZZ	1.00	1525																									
ZZZZZZ	1.00	1530																									
ZZZZZZ	1.00	1535																									
CCV	1.00	1541		X	X	X																					
CCB	1.00	1546		X	X	X																					
ZZZZZZ	1.00	1551																									
ZZZZZZ	1.00	1557																									
ZZZZZZ	1.00	1602																									
ZZZZZZ	1.00	1608																									
ZZZZZZ	1.00	1613																									
ZZZZZZ	1.00	1618																									
ZZZZZZ	1.00	1624																									
ZZZZZZ	1.00	1629																									
ZZZZZZ	1.00	1635																									
ZZZZZZ	1.00	1640																									
CCV	1.00	1645		X	X	X																					
CCB	1.00	1651		X	X	X																					
ZZZZZZ	1.00	1656																									
ZZZZZZ	1.00	1701																									
ZZZZZZ	1.00	1707																									
ZZZZZZ	1.00	1712																									
ZZZZZZ	1.00	1718																									
ZZZZZZ	1.00	1723																									
ZZZZZZ	5.00	1728																									
ZZZZZZ	1.00	1734																									
ZZZZZZ	1.00	1739																									
ZZZZZZ	1.00	1745																									
CCV	1.00	1750		X	X	X																					
CCB	1.00	1755		X	X	X																					
ZZZZZZ	1.00	1801																									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/22/95 End Date: 04/23/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	1806																									
ZZZZZZ	1.00	1811																									
ZZZZZZ	1.00	1817																									
ZZZZZZ	1.00	1822																									
ZZZZZZ	1.00	1828																									
ZZZZZZ	1.00	1833																									
ZZZZZZ	1.00	1838																									
ZZZZZZ	1.00	1844																									
ZZZZZZ	1.00	1849																									
CCV	1.00	1855		X	X	X																					
CCB	1.00	1900		X	X	X																					
CRI	1.00	1905			X																						
ICSA	1.00	1911		X	X	X																					
ICSAB	1.00	1916		X	X	X																					
CCV	1.00	1921		X	X	X																					
CCB	1.00	1927		X	X	X																					
ZZZZZZ	1.00	1932																									
ZZZZZZ	1.00	1938																									
ZZZZZZ	1.00	1943																									
ZZZZZZ	1.00	1948																									
ZZZZZZ	1.00	1954																									
ZZZZZZ	1.00	1959																									
ZZZZZZ	1.00	2005																									
ZZZZZZ	1.00	2010																									
ZZZZZZ	1.00	2015																									
ZZZZZZ	5.00	2021																									
CCV	1.00	2026		X	X	X																					
CCB	1.00	2032		X	X	X																					
ZZZZZZ	1.00	2037																									
ZZZZZZ	1.00	2042																									
ZZZZZZ	1.00	2048																									
ZZZZZZ	1.00	2053																									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/22/95 End Date: 04/23/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	2058		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2104		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2109		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2115		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2120		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2125		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	2131		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	2136		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2142					-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW1	1.00	2147		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW1D	1.00	2152		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW1S	1.00	2158		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW1L	5.00	2203		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
RIPBLANK	1.00	2209		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW3	1.00	2214		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW5	1.00	2219		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW6	1.00	2225		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW7	1.00	2230		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	2236		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	2241		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW8	1.00	2246		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW10	1.00	2252		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW11	1.00	2257		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW13	1.00	2303		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW17	1.00	2308		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MW1A	1.00	2313		X	X		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2319				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2324		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ZZZZZZ	1.00	2330		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCV	1.00	2335		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CCB	1.00	2340		X	X	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
CRI	1.00	2346		-	X	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
				-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/22/95 End Date: 04/23/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ICSA	1.00	2351		X	X	X																					
ICSAB	1.00	2356		X	X	X																					
CCV	1.00	0002		X	X	X																					
CCB	1.00	0007		X	X	X																					

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/23/95 End Date: 04/24/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
S0	1.00	1358				X																					
S	1.00	1404																									
S	1.00	1408				X																					
S	1.00	1412																									
S	1.00	1416																									
S	1.00	1421																									
ICV	1.00	1421				X																					
ICV	1.00	1427																									
ICV	1.00	1432																									
ICB	1.00	1437				X																					
ICSA	1.00	1443				X																					
ICSAB	1.00	1448				X																					
CRI	1.00	1453																									
CCV	1.00	1459				X																					
CCB	1.00	1504				X																					
ZZZZZZ	1.00	1510																									
ZZZZZZ	1.00	1515																									
ZZZZZZ	1.00	1520																									
ZZZZZZ	1.00	1526																									
ZZZZZZ	1.00	1531																									
ZZZZZZ	2.00	1537																									
ZZZZZZ	10.00	1542																									
ZZZZZZ	2.00	1547																									
ZZZZZZ	10.00	1553																									
ZZZZZZ	1.00	1558																									
CCV	1.00	1604				X																					
CCB	1.00	1609				X																					
ZZZZZZ	2.00	1614																									
ZZZZZZ	10.00	1620																									
ZZZZZZ	1.00	1625																									
ZZZZZZ	1.00	1631																									
ZZZZZZ	1.00	1636																									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/23/95 End Date: 04/24/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	1641																									
ZZZZZZ	1.00	1647																									
ZZZZZZ	5.00	1652																									
ZZZZZZ	1.00	1657																									
ZZZZZZ	1.00	1703																									
CCV	1.00	1708				X																					
CCB	1.00	1714				X																					
ZZZZZZ	1.00	1719																									
ZZZZZZ	1.00	1724																									
ZZZZZZ	1.00	1730																									
ZZZZZZ	1.00	1735																									
ZZZZZZ	1.00	1740																									
ZZZZZZ	1.00	1746																									
ZZZZZZ	1.00	1751																									
ZZZZZZ	1.00	1757																									
ZZZZZZ	1.00	1802																									
ZZZZZZ	1.00	1807																									
CCV	1.00	1813				X																					
CCB	1.00	1818				X																					
ZZZZZZ	1.00	1824																									
ZZZZZZ	1.00	1829																									
ZZZZZZ	1.00	1834																									
ZZZZZZ	1.00	1840																									
ZZZZZZ	5.00	1845																									
ZZZZZZ	1.00	1850																									
ZZZZZZ	1.00	1856																									
ZZZZZZ	1.00	1901																									
ZZZZZZ	1.00	1907																									
ZZZZZZ	1.00	1912																									
CCV	1.00	1917				X																					
CCB	1.00	1923				X																					
ZZZZZZ	1.00	1928																									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/23/95 End Date: 04/24/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	1934																									
ZZZZZZ	1.00	1939																									
ZZZZZZ	1.00	1944																									
ZZZZZZ	1.00	1950																									
ZZZZZZ	1.00	1955																									
ZZZZZZ	1.00	2000																									
ZZZZZZ	1.00	2006																									
ZZZZZZ	1.00	2011																									
ZZZZZZ	1.00	2017																									
CCV	1.00	2022				X																					
CCB	1.00	2027				X																					
ZZZZZZ	2.00	2033																									
CRI	1.00	2040																									
ICSA	1.00	2046				X																					
ICSAB	1.00	2051				X																					
CCV	1.00	2057				X																					
CCB	1.00	2102				X																					
ZZZZZZ	1.00	2107																									
ZZZZZZ	1.00	2113																									
ZZZZZZ	5.00	2118																									
ZZZZZZ	1.00	2124																									
ZZZZZZ	1.00	2129																									
ZZZZZZ	1.00	2134																									
ZZZZZZ	1.00	2140																									
ZZZZZZ	1.00	2145																									
ZZZZZZ	5.00	2150																									
ZZZZZZ	1.00	2156																									
CCV	1.00	2201				X																					
CCB	1.00	2207				X																					
ZZZZZZ	1.00	2212																									
ZZZZZZ	1.00	2217																									
ZZZZZZ	1.00	2223																									

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: ICP3_____ Method: P_

Start Date: 04/23/95 End Date: 04/24/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	2228																									
ZZZZZZ	1.00	2234																									
ZZZZZZ	5.00	2239																									
ZZZZZZ	1.00	2244																									
ZZZZZZ	1.00	2250																									
ZZZZZZ	1.00	2255																									
ZZZZZZ	1.00	2301																									
CCV	1.00	2306				X																					
CCB	1.00	2311				X																					
ZZZZZZ	1.00	2317																									
ZZZZZZ	1.00	2322																									
ZZZZZZ	1.00	2328																									
ZZZZZZ	1.00	2333																									
MW1A	1.00	2346				X																					
CRI	1.00	0006																									
ICSA	1.00	0012				X																					
ICSAB	1.00	0017				X																					
CCV	1.00	0023				X																					
CCB	1.00	0028				X																					

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: V2_____ Method: CV

Start Date: 04/21/95 End Date: 04/21/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
S0	1.00	1510					X																				
S0.5	1.00	1513					X																				
S1	1.00	1515					X																				
S3	1.00	1517					X																				
S5	1.00	1520					X																				
S10	1.00	1522					X																				
ICV	1.00	1525					X																				
ICB	1.00	1527					X																				
CRA	1.00	1530					X																				
CCV	1.00	1532					X																				
CCB	1.00	1534					X																				
ZZZZZZ	1.00	1537																									
ZZZZZZ	1.00	1539																									
ZZZZZZ	1.00	1541																									
ZZZZZZ	1.00	1544																									
ZZZZZZ	1.00	1546																									
ZZZZZZ	1.00	1548																									
ZZZZZZ	1.00	1551																									
ZZZZZZ	1.00	1553																									
ZZZZZZ	1.00	1555																									
ZZZZZZ	1.00	1558																									
CCV	1.00	1600					X																				
CCB	1.00	1602					X																				
ZZZZZZ	1.00	1605																									
ZZZZZZ	1.00	1607																									
ZZZZZZ	1.00	1609																									
ZZZZZZ	1.00	1612																									
ZZZZZZ	1.00	1614																									
PBW	1.00	1616					X																				
ZZZZZZ	1.00	1619																									
MW1	1.00	1621					X																				
MW1D	1.00	1623					X																				

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: V2_____ Method: CV

Start Date: 04/21/95 End Date: 04/21/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
MW1S	1.00	1626					X																				
CCV	1.00	1628					X																				
CCB	1.00	1630					X																				
RIPBLANK	1.00	1633					X																				
MW3	1.00	1635					X																				
MW5	1.00	1637					X																				
MW6	1.00	1640					X																				
MW7	1.00	1642					X																				
MW8	1.00	1644					X																				
MW10	1.00	1646					X																				
MW11	1.00	1649					X																				
MW13	1.00	1651					X																				
MW17	1.00	1653					X																				
CCV	1.00	1656					X																				
CCB	1.00	1658					X																				
ZZZZZZ	1.00	1700																									
ZZZZZZ	1.00	1703																									
ZZZZZZ	1.00	1705																									
ZZZZZZ	1.00	1707																									
ZZZZZZ	1.00	1710																									
ZZZZZZ	1.00	1712																									
ZZZZZZ	1.00	1714																									
ZZZZZZ	1.00	1716																									
ZZZZZZ	1.00	1719																									
ZZZZZZ	1.00	1721																									
CCV	1.00	1723					X																				
CCB	1.00	1726					X																				
ZZZZZZ	1.00	1728																									
ZZZZZZ	1.00	1730																									
ZZZZZZ	1.00	1733																									
ZZZZZZ	1.00	1735																									
ZZZZZZ	1.00	1737																									

U.S. EPA - CLP

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ANALYSIS RUN LOG

Lab Name: COMPUCHEM_ENV._CORP._____ Contract: ILM03.0___

Lab Code: COMPU_ Case No.: 50067_ SAS No.: _____ SDG No.:04581M

Instrument ID Number: V2_____ Method: CV

Start Date: 04/21/95 End Date: 04/21/95

EPA Sample No.	D/F	Time	% R	Analytes																							
				BA	CD	FE	HG																				
ZZZZZZ	1.00	1740																									
ZZZZZZ	1.00	1742																									
ZZZZZZ	1.00	1744																									
ZZZZZZ	1.00	1747																									
ZZZZZZ	1.00	1749																									
CCV	1.00	1751					X																				
CCB	1.00	1754					X																				
CCV	1.00	1756					X																				
CCB	1.00	1758					X																				

Trace ICP Runlog (P3)

Page 1 of 3

Date: 4/22/95

Method (Circle one.):
CLP 200.7
SW-846 6010

Operator [signature]
Case Name: 04581M/203828/304089/MBNF79
File Name: DMH0422L
WSL.NAME: P342249

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1	701510		1:20 Fe
	ICB			2	701507		1:20
	ICSAI			3	701506		1:20
	ICSABI			4	701510	SDI 1:5	1:100
	P3CRII			5	701499		1:5
	CCV			6	701501		1:5
	CCB			7	701502		
1	705409	Pbs		8	701503		RERUN NO Y/CS
2	705395	Pbs		9	701505		
3	705054	PbW		10	701509		
4	705055	PbW			CCV		
5	701508	LCSS			CCB		
6	701508	LCSS 1:5		1	701511		1:5 Fe
7	698267	LCSS		2	701512		1:20 Fe
8	698267	LCSS 1:5		3	701513		1:5 Fe, ZN, Pb
9	~~69~~700981	LCSW		4	702060		1:5 Fe, Pb
10	702291	LCSW		5	702061		1:5 Fe, MN, Pb
	CCV			6	702062		~~1:2~~ Fe
	CCB			7	702065		1:20 Fe
				8	702066		1:20 Fe, MN
				9	702067		
				10	702068		
					CCV		
					CCB		

COMMENTS:

Reviewed by: [signature]

Date: 4-23-95

Trace ICP Runlog (P3)

Page 2 of 3

Date: 4/22/95

Method (Circle one.):
CLP 200.7
SW-846 6010

Operator: [signature]
Case Name: SAME
File Name:
WSL.NAME:

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1	699548		
	ICB			2	699550		
	ICSAI			3	699551		
	ICSABI			4	699552		
	P3CRII			5	699553		
	CCV	[signature] 4/23/95		6	703 221		
	CCB			7	703 222		
1	702069		1:20 Fe, Cu	8	703 223		
2	702070		1:5 Fe	9	703 224		
3	702071		1:5 Fe, ZN	10	703 226		
4	699549				CCV / CRI / CCV		
5	698266				CCB / ICSA, ICSAB / CCB		
6	698265			1	703 230		
7	699549	SDI 1:5		2	703231		
8	698264			3	703 232		
9	698268			4	703233		
10	699547			5	703 234		
	CCV			6	703236		
	CCB			7	701544		
				8	700980		
				9	700979		
				10	701544	SDI 1:5	
					CCV		
					CCB		

COMMENTS:

Reviewed by: [signature] Date: 4-23-95

Trace ICP Runlog (P3)

Page 3 of 3

Date: 4/22/95

Method (Circle one.):
CLP 200.7
SW-846 6010

Operator
Case Name: SAME
File Name:
WSL.NAME:

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1	701563		
	ICB			2	702297		
	ICSAI			3	702290		
	ICSABI			4	702289		
	P3CRII			5	702297	SDI 1:5	
	CCV	4/23/95		6	702281		
	CCB			7	702301		
1	700977			8	702305		
2	700989			9	702310		
3	700990			10	702313		
4	701546				CCV		
5	701550				CCB		
6	701552			1	702317		
7	701554			2	702319		
8	701556			3	702323		
9	701558			4	702326		
10	701560			5	702329		
	CCV			6	702297	PDS 2XLRDL	
	CCB			7	701510	PDS 2XLRDL	
				8	701544	PDS 2XLRDL	
				9	699549	PDS 2XLRDL 1000 mL	
				10		4/23/95	
					CCV CRI CCV		
					CCB ICSA ICSAB CCB		

COMMENTS:

Reviewed by:

Date: 4-23-95

Standardization Rpt. Sat 04-22-95 12:31:32 PM page 1

Method: CLPSUE Standard: BLANK

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Avge	-.0014	.1761	.0113	-.0071	.0079	-.0074	-.0005
SDev	.0012	.0018	.0006	.0001	.0001	.0000	.0005
%RSD	86.23	1.029	5.590	.8620	1.545	.6521	109.9
#1	-.0005	.1748	.0118	-.0070	.0079	-.0074	-.0001
#2	-.0022	.1774	.0109	-.0071	.0078	-.0074	-.0008

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Avge	.0014	.0928	.0001	.0562	.0010	.0004	.0008
SDev	.0001	.0001	.0000	.0055	.0001	.0000	.0018
%RSD	7.876	.1523	.1628	9.822	7.606	9.590	236.0
#1	.0015	.0927	.0001	.0601	.0010	.0004	-.0005
#2	.0013	.0929	.0001	.0523	.0009	.0004	.0020

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	As1890	22031
Avge	-.0075	-.0003	-.0040	-.0002	.0001	-.0065	.0215
SDev	.0011	.0003	.0004	.0000	.0001	.0038	.0006
%RSD	15.34	76.03	9.874	20.36	70.83	58.42	3.028
#1	-.0067	-.0002	-.0037	-.0002	.0002	-.0038	.0219
#2	-.0083	-.0005	-.0042	-.0002	.0001	-.0092	.0210

Elem	22032	20681	20682	19601	19602	Ti3349	Sn1899
Avge	-.0032	-.0051	.0003	-.0035	.0051	.0137	-.0004
SDev	.0014	.0042	.0021	.0022	.0032	.0151	.0003
%RSD	42.80	82.43	754.0	64.60	61.34	110.2	58.10
#1	-.0042	-.0081	.0018	-.0051	.0074	.0243	-.0003
#2	-.0022	-.0021	-.0012	-.0019	.0029	.0030	-.0006

Elem	Bi2230
Avge	.0074
SDev	.0083
%RSD	112.0
#1	.0132
#2	.0015

INORGANIC SDG 04581M

Standardization Rpt. Sat 04-22-95 12:31:32 PM page 2

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19548	15000	--	--	--	--	--
SDev	31.81980	.0000000	--	--	--	--	--
%RSD	.1627736	.0000000	--	--	--	--	--
#1	19526	15000	--	--	--	--	--
#2	19571	15000	--	--	--	--	--

INORGANIC SDG 04581M

Standardization Rpt. Sat 04-22-95 12:37:00 PM page 1

Method: CLPSUE Standard: XCL-11

Elem	Ag3280	Cd2265	Cr2677	Cu3247	Ni2316	Tl1908	22031
Avge	1.522	43.85	1.769	9.522	1.467	.8684	13.17
SDev	.003	.02	.001	.006	.003	.0002	.00
%RSD	.2014	.0475	.0403	.0678	.2175	.0243	.0133
#1	1.524	43.87	1.769	9.518	1.465	.8682	13.17
#2	1.520	43.84	1.768	9.527	1.469	.8685	13.17

Elem	22032	19601	19602
Avge	8.751	1.217	2.195
SDev	.019	.001	.001
%RSD	.2154	.0681	.0235
#1	8.738	1.216	2.195
#2	8.764	1.217	2.195

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19601	15000	--	--	--	--	--
SDev	9.899495	.0000000	--	--	--	--	--
%RSD	.0505051	.0000000	--	--	--	--	--
#1	19594	15000	--	--	--	--	--
#2	19608	15000	--	--	--	--	--

Standardization Rpt. Sat 04-22-95 12:40:53 PM page 1

Method: CLPSUE Standard: STD3

Elem	Al3082	Ca3179	Fe2714	Mg2790
Avge	88.55	12.12	2.573	14.28
SDev	.05	.03	.003	.01
%RSD	.0549	.2320	.1331	.0406
#1	88.58	12.10	2.570	14.29
#2	88.52	12.14	2.575	14.28

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18827	15000	--	--	--	--	--
SDev	56.56854	.0000000	--	--	--	--	--
%RSD	.3004650	.0000000	--	--	--	--	--
#1	18787	15000	--	--	--	--	--
#2	18867	15000	--	--	--	--	--

INORGANIC SDG 04581M

Standardization Rpt. Sat 04-22-95 12:45:17 PM page 1

Method: CLPSUE Standard: XCL-2

Elem	Ba4934	Be3130	Co2286	Mn2576	Mo2020	V_2924	As1890
Avge	44.28	75.57	7.409	2.550	4.508	1.034	3.340
SDev	.06	.22	.017	.005	.01	.001	.005
%RSD	.1410	.2963	.2304	.1896	.2112	.1392	.1612
#1	44.33	75.41	7.397	2.547	4.501	1.033	3.344
#2	44.24	75.73	7.421	2.554	4.515	1.035	3.337

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19575	15000	--	--	--	--	--
SDev	43.84062	.0000000	--	--	--	--	--
%RSD	.2239623	.0000000	--	--	--	--	--
#1	19544	15000	--	--	--	--	--
#2	19606	15000	--	--	--	--	--

Standardization Rpt. Sat 04-22-95 12:48:39 PM page 1

Method: CLPSUE Standard: XCL-3A

Elem	K_7664	Na3302
Avge	95.57	2.737
SDev	.22	.008
%RSD	.2325	.3057
#1	95.42	2.731
#2	95.73	2.743

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18838	15000	--	--	--	--	--
SDev	5.656854	.0000000	--	--	--	--	--
%RSD	.0300289	.0000000	--	--	--	--	--
#1	18842	15000	--	--	--	--	--
#2	18834	15000	--	--	--	--	--

Standardization Rpt. Sat 04-22-95 12:54:06 PM page 1

Method: CLPSUE Standard: PLSBR

Elem	Zn2138	20681	20682	Ti3349	Sn1899	Bi2230
Avge	2.074	8.082	3.436	12.54	.4721	10.66
SDev	.001	.010	.004	.02	.0000	.01
%RSD	.0333	.1289	.1228	.1918	.0021	.1053
#1	2.073	8.075	3.433	12.53	.4721	10.67
#2	2.074	8.089	3.439	12.56	.4721	10.65

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19543	15000	--	--	--	--	--
SDev	18.38478	.0000000	--	--	--	--	--
%RSD	.0940735	.0000000	--	--	--	--	--
#1	19530	15000	--	--	--	--	--
#2	19556	15000	--	--	--	--	--

Analysis Report QC Standard Sat 04-22-95 12:59:34 PM page 1

Method: CLPSUE Sample Name: ICV1 Operator:
Run Time: 04/22/95 12:54:14
Comment: ICV ICV1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	486.0	1860.	1970.	472.7	49220.	489.0	532.6
SDev	1.5	1.	2.	.6	82.	1	1.4
%RSD	.3171	.0617	.1140	.1370	.1673	.2023	.2670
#1	484.9	1861.	1968.	472.2	49170.	488.3	531.6
#2	487.1	1859.	1971.	473.2	49280.	489.7	533.6
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	487.0	1956.	2009.	476.0	50710.	510.0	520.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	470.8	496.8	1979.	48080.	23630.	488.4	-.1725
SDev	.6	.3	9.	60.	11.	.5	.5777
%RSD	.1344	.0510	.4536	.1252	.0481	.1029	334.9
#1	471.2	496.6	1973.	48120.	23640.	488.0	.2360
#2	470.3	497.0	1985.	48040.	23620.	488.7	-.5810
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	471.0	497.0	1985.	49600.	24590.	491.0	
Range	10.50	10.50	10.50	10.50	10.50	10.50	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48160.	474.8	-2.349	490.4	3017.	5035.	.6424
SDev	67.	3.0	1.477	.3	5.	8.	1.183
%RSD	.1382	.6320	62.87	.0644	.1637	.1562	184.1
#1	48210.	472.7	-1.305	490.2	3014.	5030.	-.1938
#2	48120.	476.9	-3.393	490.6	3021.	5041.	1.479
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	48790.	497.0		492.0	3012.		
Range	10.50	10.50		10.50	10.50		

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.091	1.575	5091.	5007.	-3.798	3.532	-2.396
SDev	.320	1.831	.	12.	.329	.644	.730
%RSD	29.32	116.2	.0028	.2369	8.660	18.23	30.47
#1	.8650	2.870	5091.	4999.	-3.565	3.076	-2.912
#2	1.318	.2806	5091.	5016.	-4.030	3.987	-1.879
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 12:59:34 PM page 2

Avge	2.159	-3.193	-3.399	-3.256
SDev	1.409	2.047	3.531	1.123
%RSD	65.26	64.12	103.9	34.49
#1	1.163	-4.641	-5.895	-2.462
#2	3.155	-1.745	-.9020	-4.050
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19558	15000	--	--	--	--	--
SDev	43.13351	.0000000	--	--	--	--	--
%RSD	.2205472	.0000000	--	--	--	--	--
#1	19527	15000	--	--	--	--	--
#2	19588	15000	--	--	--	--	--

Analysis Report QC Standard Sat 04-22-95 01:04:57 PM page 1

Method: CLPSUE Sample Name: ICV3 Operator:
Run Time: 04/22/95 12:59:39
Comment: ICV ICV3
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.97	10.40	.3056	.0406	-4.573	94.89	.2317
SDev	.1	1.61	.0125	.0098	.217	.14	.1905
%RSD	.1021	15.45	4.102	24.02	4.752	.1434	82.20
#1	96.90	9.263	.3145	.0476	-4.419	94.79	.0970
#2	97.04	11.54	.2967	.0337	-4.727	94.99	.3663
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4040	.3605	-9.254	245.2	1.068	.2946	.3924
SDev	.0843	.0401	.717	7.2	1.209	.0339	.1908
%RSD	20.87	11.14	7.745	2.922	113.3	11.52	48.64
#1	-.3444	.3889	-9.760	250.3	.2126	.2706	.5273
#2	-.4636	.3321	-8.747	240.2	1.923	.3186	.2574
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	177.2	-1.762	97.05	-.2471	-.0671	97.68	91.09
SDev	28.9	.441	4.62	.2646	.0844	.98	1.66
%RSD	16.34	25.04	4.759	107.1	125.9	1.003	1.821
#1	197.6	-2.074	93.78	-.4342	-.1268	96.99	92.26
#2	156.7	-1.450	100.3	-.0600	-.0073	98.37	Q89.91
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			98.90			98.80	101.4
Range			10.50			10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	999.7	98.75	99.60	96.72	996.8	1001.	86.85
SDev	3.2	1.85	.04	1.45	3.8	3.	6.67
%RSD	.3199	1.878	.0427	1.496	.3785	.2907	7.676
#1	1002.	97.44	99.57	95.69	999.5	1003.	91.56
#2	997.5	100.1	99.63	97.74	994.2	999.1	82.13
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	970.0	101.8					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	93.20	-3.492	-3.977	.5485
SDev	.84	3.982	.727	2.204
%RSD	.9030	114.0	18.28	401.8
#1	92.61	-6.308	-3.463	2.107
#2	93.80	-.6764	-4.491	-1.010
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20004	15000	--	--	--	--	--
SDev	72.12489	.0000000	--	--	--	--	--
%RSD	.3605523	.0000000	--	--	--	--	--
#1	19953	15000	--	--	--	--	--
#2	20055	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: SPEXASSE Operator:
Run Time: 04/22/95 13:05:02
Comment: ICV SPEXASSE
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1051	-27.13	.2162	-.0179	-1.185	.0116	.3458
SDev	.0929	2.40	.0344	.0054	.350	.1174	.1432
%RSD	88.39	8.840	15.91	30.21	29.56	1012.	41.41
#1	.1707	-25.43	.2406	-.0217	-1.433	.0946	.4471
#2	.0394	-28.83	.1919	-.0140	-.9372	-.0714	.2446
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.6063	.4954	-7.515	-3.706	.1608	1.470	988.9
SDev	.3617	.0107	.660	7.563	1.010	.022	1.2
%RSD	59.67	2.152	8.785	204.1	628.3	1.499	.1241
#1	-.3505	.5029	-7.049	1.642	.8752	1.486	989.8
#2	-.8621	.4879	-7.982	-9.054	-.5536	1.455	988.0
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							1000.
Range							10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1520.	-.2232	964.7	-11.67	-.2445	984.7	967.7
SDev	240.	.2851	3.3	.31	.0002	.3	4.1
%RSD	15.76	127.7	.3427	2.663	.0825	.0282	.4218
#1	-1351.	-.0216	962.4	-11.45	-.2447	984.9	970.6
#2	-1690.	-.4248	967.0	-11.89	-.2444	984.5	964.8
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.200	989.2	984.1	985.0	-6.113	-6.244	967.0
SDev	.064	2.0	3.5	2.2	.399	.104	6.4
%RSD	1.027	.2064	.3531	.2184	6.533	1.664	.6642
#1	-6.155	987.8	981.6	986.5	-5.831	-6.317	971.5
#2	-6.245	990.6	986.5	983.5	-6.395	-6.170	962.4
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	968.1	967.1	1019.	976.3
SDev	2.9	.1	5.	.8
%RSD	.3010	.0131	.4566	.0773
#1	970.2	967.0	1015.	976.8
#2	966.0	967.1	1022.	975.8
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20106	15000	--	--	--	--	--
SDev	72.83200	.0000000	--	--	--	--	--
%RSD	.3622311	.0000000	--	--	--	--	--
#1	20055	15000	--	--	--	--	--
#2	20158	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: S0 Operator:
Run Time: 04/22/95 13:10:24
Comment: ICB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2276	3.187	-.0512	-.0410	-9.601	-.1051	.3422
SDev	.1052	1.483	.0097	.0217	.297	.1624	.0578
%RSD	46.23	46.52	18.86	53.03	3.091	154.5	16.91
#1	-.1532	4.236	-.0444	-.0256	-9.811	-.2199	.3013
#2	-.3020	2.139	-.0580	-.0564	-9.391	.0097	.3831
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5922	-.5156	.9691	-7.219	-2.210	-.0444	.2427
SDev	.0404	.0801	2.776	4.113	.000	.0252	.1585
%RSD	6.814	15.54	286.4	56.98	.0074	56.74	65.31
#1	-.5637	-.5723	-.9937	-10.13	-2.210	-.0622	.1306
#2	-.6208	-.4590	2.932	-4.311	-2.210	-.0266	.3547
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.18	-.9562	-.1109	-.0444	-.4297	.3102	.6648
SDev	4.99	.4377	1.0684	.1397	.0860	.7028	.5265
%RSD	5.191	45.77	963.8	314.5	20.01	226.6	79.20
#1	92.65	-.6468	.6446	-.1432	-.3689	-.1868	.2925
#2	99.72	-1.266	-.8663	.0544	-.4905	.8072	1.037
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1629	.9995	2.007	-.5375	-1.543	.5258	.3670
SDev	.3596	.0639	.592	.7581	2.375	1.725	1.229
%RSD	220.8	6.393	29.51	141.0	153.9	328.0	334.9
#1	.0914	.9543	1.588	-1.074	-3.223	1.745	1.236
#2	-.4171	1.045	2.426	-.0015	.1359	-.6938	-.5021
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	.8129	-2.229	-5.639	-.4459
SDev	1.403	2.268	.906	1.6894
%RSD	172.6	101.7	16.07	378.9
#1	-.1792	-3.833	-6.280	-1.641
#2	1.805	-.6257	-4.998	.7487
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19806	15000	--	--	--	--	--
SDev	.7071068	.0000000	--	--	--	--	--
%RSD	.0035701	.0000000	--	--	--	--	--
#1	19807	15000	--	--	--	--	--
#2	19806	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 04/22/95 13:15:47
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-29.73	543300.	-.7482	.0417	451600.	14.46	.4036
SDev	.34	202.	.0114	.0018	95.	.31	.3691
%RSD	1.145	.0372	1.522	4.360	.0210	2.112	91.45
#1	-29.49	543100.	-.7563	.0430	451700.	14.67	.1426
#2	-29.97	543400.	-.7402	.0404	451600.	14.24	.6646
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.66	-9.225	198900.	5.902	510200.	-87.80	-.0926
SDev	.32	.037	118.	4.023	620.	.05	.0493
%RSD	1.723	.4003	.0593	68.17	.1216	.0513	53.23
#1	18.89	-9.251	198900.	8.747	510600.	-87.83	-.0577
#2	18.43	-9.198	198800.	3.057	509700.	-87.77	-.1274
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	20.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	213.3	-5.979	.8406	-81.40	-1.577	6.858	.5206
SDev	77.1	.597	1.394	.16	.204	.642	2.915
%RSD	36.14	9.982	165.8	.1916	12.92	9.366	560.0
#1	267.8	-6.401	-.1448	-81.51	-1.433	6.404	-1.541
#2	158.8	-5.557	1.826	-81.29	-1.721	7.313	2.582
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.805	-.2817	20.78	-.0934	-11.24	-.0946	-4.027
SDev	.816	4.3552	.86	.5359	3.09	.3200	.430
%RSD	21.44	1546.	4.116	573.8	27.51	338.3	10.67
#1	-3.228	-3.361	20.18	-.4723	-9.052	-.3209	-4.331
#2	-4.382	2.798	21.39	.2856	-13.42	.1317	-3.724
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.790	13.22	-8.816	7.000
SDev	4.157	1.38	4.250	.013
%RSD	149.0	10.41	48.21	.1847
#1	-.1486	14.20	-11.82	6.991
#2	5.730	12.25	-5.810	7.009
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17692	15000	--	--	--	--	--
SDev	36.06245	.0000000	--	--	--	--	--
%RSD	.2038290	.0000000	--	--	--	--	--
#1	17667	15000	--	--	--	--	--
#2	17718	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 04/22/95 13:21:09
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	961.8	541500.	513.3	485.0	444000.	969.2	537.4
SDev	1.9	105.	.6	.4	867.	.3	1.0
%RSD	.1976	.0195	.1149	.0833	.1953	.0340	.1919
#1	960.5	541500.	512.8	485.3	444600.	969.4	538.2
#2	963.2	541600.	513.7	484.7	443400.	969.0	536.7
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	501.4	544.4	197200.	-2.706	506700.	411.5	1004.
SDev	1.4	1.9	242.	8.151	1085.	.5	1.
%RSD	.2814	.3462	.1229	301.2	.2141	.1213	.0791
#1	502.4	543.1	197400.	3.057	507400.	411.9	1004.
#2	500.4	545.7	197000.	-8.470	505900.	411.2	1005.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-680.1	968.2	.1914	411.8	1089.	5131.	5.782
SDev	20.0	.6	.9841	.5	3.	8.	.931
%RSD	2.947	.0614	514.2	.1151	.3196	.1498	16.10
#1	-694.2	968.6	.8872	412.2	1091.	5137.	6.440
#2	-665.9	967.8	-.5045	411.5	1086.	5126.	5.124
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.352	-2.105	5299.	5048.	-16.34	-4.365	6.154
SDev	2.332	2.234	9.	7.	1.26	4.123	3.834
%RSD	27.92	106.1	.1625	.1431	7.690	94.47	62.30
#1	-6.704	-3.685	5305.	5053.	-17.23	-1.449	8.865
#2	-10.00	-.5250	5293.	5043.	-15.45	-7.280	3.443
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	5.596	1005.	1067.	1110.
SDev	.518	.	5.	2.
%RSD	9.266	.0099	.4962	.1526
#1	5.229	1005.	1071.	1111.
#2	5.962	1005.	1063.	1108.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17742	15000	--	--	--	--	--
SDev	57.27565	.0000000	--	--	--	--	--
%RSD	.3228343	.0000000	--	--	--	--	--
#1	17701	15000	--	--	--	--	--
#2	17782	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CRI Operator:
Run Time: 04/22/95 13:26:32
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	17.07	57.31	.2343	10.14	48.69	10.26	101.2
SDev	.12	1.40	.0004	.04	.02	.00	.7
%RSD	.6890	2.441	.1927	.3624	.0431	.0276	.6712
#1	16.99	58.30	.2347	10.12	48.71	10.26	100.7
#2	17.15	56.32	.2340	10.17	48.68	10.26	101.7
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.29	51.71	18.22	-2.970	46.97	31.14	46.69
SDev	.06	.03	2.67	.838	1.62	.11	.53
%RSD	.3207	.0577	14.67	28.21	3.447	.3395	1.141
#1	19.25	51.69	16.33	-3.562	48.12	31.07	47.07
#2	19.34	51.73	20.11	-2.377	45.83	31.22	46.31
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				30.00	
Range		50.00				50.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	103.3	81.09	22.32	101.2	43.53	5.556	10.64
SDev	40.2	.69	.36	.7	.13	.477	2.07
%RSD	38.92	.8460	1.618	.6627	.3076	8.585	19.46
#1	131.8	80.60	22.07	100.8	43.44	5.219	9.179
#2	74.90	81.57	22.58	101.7	43.63	5.894	12.11
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	122.2	22.37	8.341	4.165	119.1	123.7	8.463
SDev	2.2	.53	1.177	1.303	3.7	1.4	4.128
%RSD	1.770	2.378	14.12	31.28	3.105	1.128	48.78
#1	120.6	22.75	9.174	3.244	116.5	122.7	5.544
#2	123.7	22.00	7.509	5.087	121.7	124.7	11.38
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	11.73	24.91	48.91	295.4
SDev	1.04	.31	.02	2.3
%RSD	8.897	1.231	.0401	.7676
#1	10.99	24.70	48.89	293.8
#2	12.47	25.13	48.92	297.0
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20183	15000	--	--	--	--	--
SDev	55.15433	.0000000	--	--	--	--	--
%RSD	.2732712	.0000000	--	--	--	--	--
#1	20144	15000	--	--	--	--	--
#2	20222	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/22/95 13:31:55
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.6	1897.	1002.	989.1	50760.	998.2	1024.
SDev	.5	6.	2.	1.2	113.	1.9	1.
%RSD	.4986	.3115	.2183	.1178	.2224	.1911	.0995
#1	100.2	1902.	1004.	988.3	50680.	996.9	1024.
#2	100.9	1893.	1001.	990.0	50840.	999.6	1025.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	995.8	1007.	2081.	49530.	48720.	1009.	1010.
SDev	1.2	.	4.	64.	2.	1.	4.
%RSD	.1234	.0076	.1741	.1285	.0032	.1203	.3824
#1	994.9	1007.	2079.	49580.	48720.	1008.	1008.
#2	996.7	1007.	2084.	49490.	48720.	1010.	1013.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49110.	1007.	1073.	999.8	2145.	1045.	1024.
SDev	51.	1.	2.	1.8	5.	.	8.
%RSD	.1040	.1177	.1690	.1788	.2240	.0089	.7667
#1	49150.	1008.	1072.	998.5	2142.	1045.	1029.
#2	49080.	1006.	1074.	1001.	2149.	1045.	1018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1004.	1017.	1057.	1038.	1003.	1005.	1025.
SDev	1.	.	1.	1.	1.	1.	2.
%RSD	.1036	.0260	.1221	.0754	.0912	.1098	.2099
#1	1005.	1017.	1056.	1039.	1004.	1005.	1026.
#2	1003.	1017.	1058.	1038.	1003.	1004.	1023.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1024.	990.7	1018.	1034.
SDev	11.	2.3	11.	.
%RSD	1.045	.2313	1.117	.0371
#1	1031.	989.1	1010.	1034.
#2	1016.	992.3	1026.	1034.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19183	15000	--	--	--	--	--
SDev	32.52691	.0000000	--	--	--	--	--
%RSD	.1695611	.0000000	--	--	--	--	--
#1	19160	15000	--	--	--	--	--
#2	19206	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/22/95 13:37:19
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1882	17.19	.1175	.0903	3.493	.0281	.3481
SDev	.0371	1.27	.0105	.0159	.389	.1634	.2205
%RSD	19.73	7.400	8.941	17.57	11.13	582.2	63.35
#1	.2145	18.09	.1250	.1015	3.767	.1436	.1922
#2	.1620	16.29	.1101	.0791	3.218	-.0875	.5040
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1120	-.2974	4.872	5.421	10.98	.1908	.3189
SDev	.0020	.0701	.008	4.446	.27	.0338	.1430
%RSD	1.825	23.56	.1687	82.02	2.493	17.74	44.84
#1	-.1106	-.2479	4.878	8.565	11.18	.1669	.4200
#2	-.1135	-.3470	4.866	2.277	10.79	.2147	.2178
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	97.61	-.0960	.7793	.2448	.0549	-.1000	.8457
SDev	39.24	.0005	3.762	.1297	.0855	.3030	.9157
%RSD	40.20	.4756	482.7	52.99	155.6	303.0	108.3
#1	125.4	-.0964	-1.881	.1531	-.0055	-.3143	1.493
#2	69.86	-.0957	3.439	.3365	.1153	.1143	.1982
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7910	.7660	-.1589	-.0712	-.5507	1.460	1.913
SDev	.0885	5.042	.2150	.5616	.0289	.147	1.044
%RSD	11.19	658.2	135.3	788.7	5.255	10.08	54.60
#1	.8536	-2.799	-.0068	-.4684	-.5711	1.564	2.651
#2	.7284	4.331	-.3109	.3259	-.5302	1.356	1.174
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	.3122	.9135	-1.248	-1.167
SDev	.8516	.3253	.757	.000
%RSD	272.7	35.62	60.65	.0258
#1	.9144	.6834	-1.783	-1.167
#2	-.2899	1.144	-.7129	-1.167
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19878	15000	--	--	--	--	--
SDev	27.57716	.0000000	--	--	--	--	--
%RSD	.1387286	.0000000	--	--	--	--	--
#1	19859	15000	--	--	--	--	--
#2	19898	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 705409 #15 Operator:
Run Time: 04/22/95 13:42:42
Comment: SDG:MBNF79 ClientID:PBS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0394	76.94	.2031	-.0522	15.16	-.0049	.4177
SDev	.0990	1.70	.0240	.0098	4.23	.0989	.0476
%RSD	251.4	2.205	11.83	18.80	27.89	2006.	11.39
#1	.1094	75.74	.1861	-.0452	12.17	.0650	.3841
#2	-.0306	78.14	.2201	-.0591	18.15	-.0749	.4513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0185	-.3831	.4782	55.60	7.187	.0729	-.5428
SDev	.2794	.0101	2.082	.53	.215	.0773	.6990
%RSD	1514.	2.624	435.4	.9593	2.991	106.1	128.8
#1	-.2160	-.3760	-.9941	55.22	7.035	.0182	-1.037
#2	.1791	-.3902	1.951	55.98	7.339	.1276	-.0485
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	469.4	.0388	.7971	.0945	-.2533	.4084	1.489
SDev	2.0	.3911	2.685	.0749	.0001	.2035	2.305
%RSD	.4178	1009.	336.9	79.29	.0563	49.82	154.8
#1	470.8	-.2378	2.696	.0415	-.2532	.2645	-.1407
#2	468.0	.3153	-1.102	.1474	-.2534	.5523	3.119
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.078	1.615	1.541	-.1576	-3.495	.1287	-.2289
SDev	.338	1.405	.818	.7136	.483	.7488	3.3581
%RSD	31.41	87.00	53.11	452.8	13.83	581.6	1467.
#1	-1.317	2.609	2.119	-.6621	-3.153	-.4008	-2.603
#2	-.8383	.6214	.9621	.3470	-3.837	.6582	2.146
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.347	-.6326	-2.229	1.068
SDev	1.780	.2267	.010	1.095
%RSD	75.84	35.84	.4597	102.5
#1	1.088	-.4723	-2.236	1.842
#2	3.605	-.7929	-2.222	.2941
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19766	15000	--	--	--	--	--
SDev	50.20458	.0000000	--	--	--	--	--
%RSD	.2540011	.0000000	--	--	--	--	--
#1	19730	15000	--	--	--	--	--
#2	19801	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 705395 #16 Operator:
Run Time: 04/22/95 13:48:06
Comment: SDG:203828 ClientID:PBS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0131	89.84	.2031	-.1216	6.047	-.1442	.0693
SDev	.0495	2.23	.0030	.0096	4.231	.0771	.3462
%RSD	377.1	2.484	1.481	7.879	69.97	53.45	499.2
#1	-.0481	88.27	.2010	-.1149	3.055	-.0897	-.1754
#2	.0219	91.42	.2053	-.1284	9.039	-.1988	.3141
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2820	-.6519	-.9975	54.54	2.184	.0123	-.2275
SDev	.0839	.0299	2.7680	2.15	.725	.1185	.5058
%RSD	29.76	4.590	277.5	3.943	33.21	959.8	222.3
#1	-.2226	-.6731	-2.955	56.06	1.671	-.0715	.1302
#2	-.3413	-.6307	.9598	53.01	2.697	.0961	-.5852
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	454.5	-.3705	.4816	-.0014	-.3758	-.4832	-3.417
SDev	49.0	.1962	5.816	.0813	.0001	.5908	4.692
%RSD	10.78	52.95	1208.	5868.	.0317	122.3	137.3
#1	489.2	-.5092	-3.631	.0561	-.3759	-.0655	L-6.734
#2	419.9	-.2318	4.594	-.0589	-.3757	-.9010	-.0993
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1643	-.4823	-.3004	-.5751	-1.556	1.022	-5.025
SDev	.0730	.0537	1.1133	.3299	.078	.148	.556
%RSD	44.43	11.13	370.6	57.37	4.982	14.49	11.07
#1	.2159	-.5202	.4869	-.3418	-1.611	1.127	-4.632
#2	.1127	-.4443	-1.088	-.8084	-1.501	.9177	-5.418
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	-2.615	-1.588	-4.021	-.8556
SDev	7.312	.595	.136	.4533
%RSD	279.7	37.48	3.379	52.98
#1	-7.785	-2.009	-3.925	-1.176
#2	2.556	-1.167	-4.117	-.5350
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19860	15000	--	--	--	--	--
SDev	50.20458	.0000000	--	--	--	--	--
%RSD	.2527988	.0000000	--	--	--	--	--
#1	19824	15000	--	--	--	--	--
#2	19895	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 705054 #17 Operator:
Run Time: 04/22/95 13:53:29
Comment: SDG:304089 ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0000	82.10	.1503	-.1190	.3645	-.2471	-.1668
SDev	.2414	2.15	.0286	.0041	.1563	.0638	.0281
%RSD	3240e6	2.624	19.03	3.404	42.89	25.80	16.83
#1	.1707	83.62	.1705	-.1161	.2540	-.2020	-.1470
#2	-.1707	80.58	.1301	-.1219	.4751	-.2921	-.1867
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1172	-.8495	-3.432	54.87	1.267	-.0012	.4275
SDev	.2438	.0300	2.072	8.59	1.473	.0214	.1400
%RSD	208.0	3.534	60.37	15.65	116.2	1836.	32.75
#1	.0552	-.8707	-4.897	60.94	.2256	.0140	.3285
#2	-.2896	-.8283	-1.967	48.79	2.308	-.0163	.5265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	419.8	-.2979	4.548	-.2012	-.4955	-.4251	-.2309
SDev	94.2	.0982	4.484	.2145	.0007	.7027	.4219
%RSD	22.45	32.97	98.58	106.6	.1386	165.3	182.8
#1	486.4	-.3674	1.378	-.0495	-.4960	-.9220	.0675
#2	353.1	-.2285	7.719	-.3529	-.4950	.0718	-.5292
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2552	-2.634	.6706	-.9727	-2.195	.7126	-.0918
SDev	1.0027	.982	.8549	.6267	.630	1.818	2.5113
%RSD	392.9	37.28	127.5	64.43	28.69	255.1	2736.
#1	.4538	-1.940	.0661	-1.416	-2.640	1.998	-1.868
#2	-.9642	-3.329	1.275	-.5296	-1.750	-.5727	1.684
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	-.3009	-3.384	-4.739	.4101
SDev	1.8864	1.899	.314	1.089
%RSD	627.0	56.11	6.624	265.5
#1	1.033	-2.041	-4.961	1.180
#2	-1.635	-4.726	-4.517	-.3598
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19946	15000	--	--	--	--	--
SDev	41.71930	.0000000	--	--	--	--	--
%RSD	.2091665	.0000000	--	--	--	--	--
#1	19916	15000	--	--	--	--	--
#2	19975	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 02:04:09 PM page 1

Method: CLPSUE Sample Name: 705055 #18 Operator:
Run Time: 04/22/95 13:58:52
Comment: SDG:04581M ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0569	74.25	.1472	-.0894	2.187	-.1773	-.0051
SDev	.1114	1.43	.0041	.0041	.074	.1730	.1057
%RSD	195.8	1.926	2.792	4.564	3.387	97.58	2081.
#1	-.1357	75.26	.1443	-.0922	2.239	-.2996	.0697
#2	.0219	73.24	.1501	-.0865	2.134	-.0550	-.0798
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3945	-.4254	-1.483	52.51	1.137	-.0440	-.2954
SDev	.0794	.0499	.693	.20	.258	.0344	.5694
%RSD	20.12	11.73	46.76	.3764	22.72	78.21	192.7
#1	-.4506	-.4607	-.9925	52.65	1.320	-.0197	-.6981
#2	-.3383	-.3901	-1.973	52.37	.9545	-.0684	.1072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	469.6	-.3366	1.868	-.1499	-.3139	-1.327	.3326
SDev	6.5	.7283	4.163	.0097	.0861	.757	2.210
%RSD	1.380	216.4	222.8	6.482	27.44	57.10	664.4
#1	465.0	.1784	4.811	-.1568	-.3748	-1.862	1.895
#2	474.2	-.8516	-1.076	-.1430	-.2530	-.7910	-1.230
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.034	-.1270	.2813	-2.130	-1.483	-.8110	-.6154
SDev	.283	1.3679	.3761	.948	1.478	1.1627	3.5581
%RSD	27.39	1077.	133.7	44.50	99.64	143.4	578.1
#1	-1.235	-1.094	.0153	-2.800	-.4382	-1.633	1.901
#2	-.8341	.8403	.5473	-1.460	-2.529	.0112	-3.131
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	.8052	-1.502	-3.602	.2732
SDev	1.536	1.376	1.062	1.609
%RSD	190.8	91.63	29.49	588.8
#1	1.892	-2.475	-4.353	1.411
#2	-.2813	-.5289	-2.851	-.8642
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19834	15000	--	--	--	--	--
SDev	21.92031	.0000000	--	--	--	--	--
%RSD	.1105161	.0000000	--	--	--	--	--
#1	19819	15000	--	--	--	--	--
#2	19850	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 02:09:33 PM page 1

Method: CLPSUE Sample Name: PLCSS701508 #19 Operator:
Run Time: 04/22/95 14:04:15
Comment: SDG:MBNF79 ClientID:LCSS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	86.00	1279.	26.40	87.09	710700.	219.2	745.8
SDev	.22	2.	.01	.08	248.	.2	.5
%RSD	.2591	.1263	.0265	.0880	.0349	.1019	.0720
#1	86.16	1277.	26.40	87.04	710500.	219.1	745.5
#2	85.84	1280.	26.39	87.15	710900.	219.4	746.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	503.7	33050.	99210.	443.6	548800.	1033.	240.5
SDev	.2	20.	23.	2.5	190.	.	1.1
%RSD	.0343	.0620	.0229	.5533	.0346	.0138	.4580
#1	503.5	33030.	99200.	445.3	549000.	1033.	241.3
#2	503.8	33060.	99230.	441.8	548700.	1033.	239.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	5000.	649500.	1195.	
Low	396.0	.0000	88850.	.0000	502000.	885.0	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1196.	292.1	203.8	316.6	983.3	1164.	183.9
SDev	61.	.8	6.3	.2	.2	.	7.0
%RSD	5.122	.2890	3.087	.0562	.0214	.0376	3.789
#1	1240.	291.5	208.3	316.7	983.5	1163.	188.8
#2	1153.	292.7	199.4	316.5	983.2	1164.	179.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1128.	4733.	1205.	1143.	1146.	1119.	181.2
SDev	3.	2.	2.	2.	.	4.	13.8
%RSD	.2243	.0320	.1479	.1352	.0317	.3227	7.607
#1	1130.	4735.	1207.	1142.	1146.	1122.	190.9
#2	1126.	4732.	1204.	1144.	1146.	1117.	171.4
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	185.2	85.05	34.27	355.7
SDev	3.6	1.11	5.75	.8
%RSD	1.924	1.308	16.78	.2361
#1	187.8	84.27	38.33	356.3
#2	182.7	85.84	30.20	355.1
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17794	15000	--	--	--	--	--
SDev	17.67767	.0000000	--	--	--	--	--
%RSD	.0993490	.0000000	--	--	--	--	--
#1	17781	15000	--	--	--	--	--
#2	17806	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 02:14:57 PM page 1

Method: CLPSUE Sample Name: PLCSS701508 #20 Operator:
Run Time: 04/22/95 14:09:39
Comment: SDG:MBNF79 ClientID:LCSS 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	17.24	366.5	5.570	19.92	183300.	45.89	153.7
SDev	.12	5.0	.024	.00	107.	.05	.2
%RSD	.6823	1.358	.4272	.0105	.0584	.1030	.1574
#1	17.32	363.0	5.553	19.92	183400.	45.92	153.9
#2	17.15	370.0	5.587	19.92	183200.	45.85	153.6
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					225600.		
Low					166800.		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	105.7	6906.	21020.	129.6	115000.	217.0	50.52
SDev	.2	20.	19.	4.1	54.	.0	.50
%RSD	.1669	.2864	.0881	3.170	.0469	.0050	.9845
#1	105.8	6892.	21030.	132.5	115100.	217.0	50.87
#2	105.5	6920.	21010.	126.7	115000.	217.0	50.16
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High		7820.			129900.		
Low		6006.			100400.		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	541.6	60.66	43.42	65.26	204.7	239.3	38.90
SDev	2.2	.55	1.84	.05	.4	.3	.81
%RSD	.4141	.9089	4.229	.0690	.1956	.1127	2.091
#1	543.2	60.27	44.72	65.30	205.0	239.1	39.48
#2	540.0	61.05	42.12	65.23	204.4	239.5	38.32
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	228.3	989.9	243.6	237.2	229.0	228.0	33.56
SDev	.0	3.8	2.5	1.7	1.3	.7	.92
%RSD	.0101	.3817	1.044	.7056	.5769	.3043	2.735
#1	228.4	992.6	245.4	236.0	228.0	228.5	32.91
#2	228.3	987.3	241.8	238.4	229.9	227.5	34.20
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	41.57	14.90	3.164	67.86
SDev	1.68	1.71	2.564	1.01
%RSD	4.037	11.51	81.03	1.486
#1	42.75	13.69	1.351	68.57
#2	40.38	16.11	4.977	67.15
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18648	15000	--	--	--	--	--
SDev	53.03301	.0000000	--	--	--	--	--
%RSD	.2843974	.0000000	--	--	--	--	--
#1	18610	15000	--	--	--	--	--
#2	18685	15000	--	--	--	--	--

Analysis Report Sat 04-22-95 02:20:19 PM page 1

Method: CLPSUE Sample Name: PLCSS698267 #21 Operator:
Run Time: 04/22/95 14:15:02
Comment: SDG:203828 ClientID:LCSS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	85.30	1347.	28.25	87.22	701000.	219.3	773.5
SDev	.69	6.	.13	.39	5446.	.8	2.5
%RSD	.8128	.4251	.4730	.4470	.7769	.3692	.3215
#1	84.81	1351.	28.34	86.94	697200.	218.7	771.8
#2	85.79	1343.	28.15	87.49	704900.	219.9	775.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	501.8	33450.	107300.	465.4	545000.	1026.	253.7
SDev	3.7	16.	423.	1.4	1565.	5.	1.3
%RSD	.7317	.0468	.3947	.3112	.2873	.4539	.4944
#1	499.2	33460.	107000.	466.4	543800.	1023.	254.6
#2	504.4	33440.	107600.	464.4	546100.	1029.	252.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	5000.	649500.	1195.	
Low	396.0	.0000	88850.	.0000	502000.	885.0	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1171.	305.7	204.5	318.3	1039.	1203.	195.8
SDev	3.	.1	2.8	1.2	4.	3.	1.2
%RSD	.2491	.0264	1.350	.3916	.3759	.2594	.6090
#1	1169.	305.7	206.4	317.5	1036.	1201.	196.7
#2	1173.	305.6	202.5	319.2	1041.	1205.	195.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1243.	5113.	1247.	1181.	1253.	1238.	195.9
SDev	.	4.	.	5.	3.	1.	2.4
%RSD	.0343	.0705	.0291	.4114	.2524	.0759	1.227
#1	1242.	5116.	1247.	1178.	1251.	1238.	197.6
#2	1243.	5111.	1247.	1184.	1255.	1237.	194.2
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	195.8	83.90	35.70	379.7
SDev	.6	3.59	5.27	1.1
%RSD	.3005	4.284	14.75	.2884
#1	196.2	81.36	31.97	380.5
#2	195.4	86.44	39.42	378.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17913	15000	--	--	--	--	--
SDev	41.01219	.0000000	--	--	--	--	--
%RSD	.2289521	.0000000	--	--	--	--	--
#1	17884	15000	--	--	--	--	--
#2	17942	15000	--	--	--	--	--

Analysis Report Sat 04-22-95 02:25:43 PM page 1

Method: CLPSUE Sample Name: PLCSS698267 #22 Operator:
Run Time: 04/22/95 14:20:25
Comment: SDG:203828 ClientID:LCSS 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	17.11	319.9	5.790	20.00	184100.	46.00	160.0
SDev	.33	3.4	.004	.02	53.	.32	.1
%RSD	1.954	1.072	.0768	.1217	.0290	.6968	.0671
#1	17.35	322.4	5.793	20.01	184100.	45.78	160.0
#2	16.87	317.5	5.787	19.98	184100.	46.23	160.1
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					225600.		
Low					166800.		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	106.5	6946.	22880.	125.9	114800.	216.4	52.83
SDev	.4	1.	24.	2.9	54.	.2	.20
%RSD	.4185	.1409	.1041	2.331	.0467	.0946	.3825
#1	106.9	6939.	22900.	128.0	114700.	216.6	52.97
#2	106.2	6953.	22870.	123.8	114800.	216.3	52.68
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High		7820.			129900.		
Low		6006.			100400.		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	473.7	62.84	42.34	65.86	216.8	248.6	42.31
SDev	13.4	.09	3.84	.00	.8	.1	.74
%RSD	2.833	.1508	9.078	.0014	.3485	.0570	1.742
#1	483.2	62.78	39.62	65.86	217.3	248.7	41.79
#2	464.2	62.91	45.06	65.86	216.3	248.5	42.83
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	250.6	1071.	251.8	246.9	250.0	250.9	36.39
SDev	.4	3.	2.9	1.2	.7	1	1.26
%RSD	.1674	.2442	1.159	.5038	.2709	.3855	3.469
#1	250.9	1073.	253.9	246.1	249.5	251.5	37.28
#2	250.3	1069.	249.7	247.8	250.5	250.2	35.50
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	45.27	13.84	3.157	72.57
SDev	1.74	.01	4.454	.30
%RSD	3.834	.0415	141.1	.4107
#1	44.04	13.84	6.307	72.78
#2	46.49	13.84	.0077	72.36
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18817	15000	--	--	--	--	--
SDev	18.38478	.0000000	--	--	--	--	--
%RSD	.0977030	.0000000	--	--	--	--	--
#1	18804	15000	--	--	--	--	--
#2	18830	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: PLCSW700981 #23 Operator:
Run Time: 04/22/95 14:25:48
Comment: SDG:304089 ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	972.3	18870.	18960.	480.0	48320.	479.5	4880.
SDev	.4	18.	4.	.4	65.	1.2	3.
%RSD	.0395	.0961	.0218	.0906	.1346	.2575	.0647
#1	972.0	18880.	18960.	479.7	48280.	478.6	4878.
#2	972.6	18860.	18960.	480.3	48370.	480.3	4882.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	963.0	2443.	10090.	48620.	46750.	1455.	-.5543
SDev	.2	1.	10.	96.	20.	1.	.2616
%RSD	.0168	.0258	.1005	.1966	.0438	.0448	47.19
#1	962.9	2444.	10100.	48680.	46770.	1455.	-.3693
#2	963.1	2443.	10080.	48550.	46740.	1456.	-.7392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48030.	3834.	1006.	4809.	2054.	297.9	471.0
SDev	61.	4.	12.	1.	.	.0	4.4
%RSD	.1274	.1009	1.179	.0156	.0211	.0087	.9259
#1	48070.	3831.	997.3	4809.	2054.	297.9	474.1
#2	47980.	3837.	1014.	4810.	2055.	298.0	468.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5860.	1011.	306.7	293.5	5885.	5848.	474.3
SDev	5.	4.	1.5	.8	4.	5.	2.1
%RSD	.0833	.4068	.5022	.2753	.0683	.0908	.4407
#1	5857.	1014.	307.8	293.0	5882.	5844.	472.8
#2	5864.	1008.	305.6	294.1	5888.	5851.	475.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	469.4	-1.250	-3.984	-14.49
SDev	7.6	2.445	.631	1.06
%RSD	1.615	195.6	15.84	7.330
#1	474.8	-2.979	-4.430	-15.24
#2	464.1	.4785	-3.538	-13.73
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19172	15000	--	--	--	--	--
SDev	23.33452	.0000000	--	--	--	--	--
%RSD	.1217083	.0000000	--	--	--	--	--
#1	19156	15000	--	--	--	--	--
#2	19189	15000	--	--	--	--	--

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Analysis Report Sat 04-22-95 02:36:28 PM page 1

Method: CLPSUE Sample Name: PLCSW702291 #24 Operator:
Run Time: 04/22/95 14:31:11
Comment: SDG:04581M ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	970.2	18910.	19250.	480.4	48030.	479.7	4863.
SDev	1.1	8.	30.	.4	20.	.8	1.
%RSD	.1091	.0407	.1576	.0734	.0414	.1635	.0191
#1	969.5	18910.	19230.	480.1	48020.	479.2	4863.
#2	971.0	18900.	19270.	480.6	48050.	480.3	4862.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	959.5	2444.	10090.	49040.	46800.	1452.	.4673
SDev	.2	3.	14.	43.	15.	.	.5587
%RSD	.0200	.1323	.1353	.0884	.0329	.0240	119.6
#1	959.6	2441.	10080.	49070.	46810.	1452.	.0722
#2	959.3	2446.	10100.	49010.	46790.	1452.	.8623
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48090.	3847.	1009.	4800.	2050.	298.3	476.1
SDev	71.	7.	1.	4.	2.	2.0	1.9
%RSD	.1477	.1851	.0611	.0886	.0988	.6766	.3996
#1	48150.	3842.	1008.	4803.	2051.	296.9	474.7
#2	48040.	3852.	1009.	4797.	2048.	299.7	477.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5892.	1012.	305.7	294.6	5896.	5890.	474.4
SDev	7.	.	1.1	2.5	12.	4.	1.4
%RSD	.1169	.0098	.3638	.8387	.1994	.0756	.2946
#1	5887.	1012.	304.9	292.9	5888.	5887.	475.4
#2	5897.	1012.	306.5	296.4	5904.	5893.	473.4
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	476.9	-.0685	-3.353	-15.02
SDev	3.6	.4649	2.837	.52
%RSD	.7444	678.9	84.62	3.483
#1	474.4	-.3972	-5.359	-15.39
#2	479.4	.2603	-1.347	-14.65
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19056	15000	--	--	--	--	--
SDev	39.59798	.0000000	--	--	--	--	--
%RSD	.2077980	.0000000	--	--	--	--	--
#1	19028	15000	--	--	--	--	--
#2	19084	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/22/95 14:36:34
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.86	1894.	1024.	986.7	50020.	993.0	1014.
SDev	.00	1.	1.	.3	85.	.4	.
%RSD	.0000	.0366	.1337	.0342	.1696	.0431	.0162
#1	99.86	1894.	1023.	986.9	50080.	993.3	1014.
#2	99.86	1895.	1025.	986.4	49960.	992.7	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	986.4	1019.	2059.	49800.	48560.	1002.	1004.
SDev	1	3.	12.	48.	34.	1.	.
%RSD	.0984	.3331	.5868	.0959	.0692	.0624	.0067
#1	987.1	1017.	2067.	49830.	48580.	1003.	1004.
#2	985.7	1021.	2050.	49770.	48530.	1002.	1004.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49220.	1005.	1075.	992.1	2121.	1041.	1020.
SDev	32.	1.	7.	1	3.	1.	3.
%RSD	.0654	.1055	.6572	.0959	.1584	.1259	.2896
#1	49240.	1006.	1070.	992.8	2123.	1040.	1022.
#2	49190.	1004.	1080.	991.4	2118.	1042.	1018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1006.	1020.	1051.	1036.	1002.	1008.	1023.
SDev	4.	4.	1.	2.	.	6.	6.
%RSD	.3514	.4347	.0727	.1528	.0463	.5488	.5899
#1	1008.	1023.	1050.	1035.	1002.	1012.	1027.
#2	1003.	1017.	1051.	1037.	1002.	1004.	1019.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1018.	990.4	1006.	1036.
SDev	1.	3.5	12.	3.
%RSD	.1389	.3522	1.223	.2952
#1	1019.	992.8	997.2	1034.
#2	1017.	987.9	1015.	1038.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19234	15000	--	--	--	--	--
SDev	59.39697	.0000000	--	--	--	--	--
%RSD	.3088124	.0000000	--	--	--	--	--
#1	19192	15000	--	--	--	--	--
#2	19276	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/22/95 14:41:58
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1401	22.40	1.012	.0419	.8988	.0400	.5382
SDev	.0309	2.37	.150	.0023	1.074	.1209	.3367
%RSD	22.10	10.56	14.87	5.502	119.5	302.0	62.56
#1	.1620	24.08	1.118	.0403	1.658	.1255	.7763
#2	.1182	20.73	.9055	.0436	.1396	-.0455	.3001
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0574	-.2196	5.348	3.879	8.496	.2103	.0076
SDev	.0849	.0998	2.052	4.498	1.786	.0005	1.309
%RSD	147.9	45.46	38.37	116.0	21.02	.2314	17150.
#1	.0026	-.1490	3.897	7.059	9.759	.2106	.9333
#2	-.1174	-.2902	6.799	.6981	7.233	.2099	-.9180
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	161.9	.0078	1.720	.1456	-.0669	-.1950	3.361
SDev	34.3	.0500	1.001	.1392	.0860	.9848	.261
%RSD	21.18	639.1	58.20	95.60	128.5	505.1	7.752
#1	186.2	-.0276	1.012	.2441	-.0061	.5014	3.177
#2	137.7	.0432	2.427	.0472	-.1277	-.8913	3.546
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1069	2.020	.1439	-.3647	.0601	.1297	1.629
SDev	.8488	.164	.1416	1.5471	.4339	1.489	.769
%RSD	794.0	8.128	98.44	424.2	721.7	1149.	47.21
#1	.7071	2.136	.0437	.7292	-.2467	1.183	1.085
#2	-.4933	1.904	.2440	-1.459	.3670	-.9234	2.173
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	4.226	-2.264	-2.623	-.1007
SDev	.007	.418	.889	.7508
%RSD	.1593	18.48	33.88	745.6
#1	4.221	-1.968	-1.995	.4302
#2	4.231	-2.560	-3.252	-.6316
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19910	15000	--	--	--	--	--
SDev	58.68986	.0000000	--	--	--	--	--
%RSD	.2947832	.0000000	--	--	--	--	--
#1	19868	15000	--	--	--	--	--
#2	19951	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701510 #27 Operator:
Run Time: 04/22/95 14:47:21
Comment: SDG:MBNF79 ClientID:MBNF85 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-231.4	5039.	807.7	.2003	4395.	72.53	158.5
SDev	.7	3.	1.8	.0070	25.	1.33	1.4
%RSD	.3077	.0687	.2214	3.521	.5772	1.836	.8664
#1	L-231.9	5042.	808.9	.1953	4377.	73.48	157.6
#2	L-230.9	5037.	806.4	.2053	4413.	71.59	159.5
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	610.7	3465.	H1493000.	1588.	609.9	7187.	114.7
SDev	.3	9.	6280.	17.	3.5	23.	2.3
%RSD	.0492	.2503	.4206	1.060	.5722	.3166	2.026
#1	610.5	3471.	H1489000.	1600.	607.5	7171.	113.0
#2	611.0	3459.	H1498000.	1576.	612.4	7203.	116.3
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8251.	1030.	68.30	L-208.6	2287.	1322.	61.25
SDev	53.	2.	6.04	1.1	5.	4.	3.49
%RSD	.6424	.2077	8.843	.5102	.2355	.3228	5.700
#1	8289.	1029.	64.03	L-207.8	2283.	1319.	58.78
#2	8214.	1032.	72.57	L-209.3	2290.	1325.	63.72
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	39.40	198.7	1351.	1307.	35.27	41.47	38.91
SDev	.97	5.0	2.	5.	.51	1.20	2.05
%RSD	2.470	2.501	.1442	.4149	1.444	2.905	5.278
#1	38.72	195.2	1350.	1303.	34.91	40.62	40.36
#2	40.09	202.3	1352.	1311.	35.63	42.32	37.46
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	72.40	536.5	204.1	32.90
SDev	6.26	1.5	1.8	.39
%RSD	8.645	.2838	.8785	1.185
#1	67.98	535.4	202.8	33.17
#2	76.83	537.6	205.4	32.62
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18604	15000	--	--	--	--	--
SDev	16.97056	.0000000	--	--	--	--	--
%RSD	.0912200	.0000000	--	--	--	--	--
#1	18616	15000	--	--	--	--	--
#2	18592	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701507 #28 Operator:
Run Time: 04/22/95 14:52:44
Comment: SDG:MBNF79 ClientID:MBNF85D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-231.2	5071.	658.4	.1712	4592.	72.24	161.1
SDev	1.7	1.	1.0	.0020	3.	1.11	.1
%RSD	.7522	.0238	.1542	1.152	.0668	1.532	.0753
#1	L-230.0	5072.	657.7	.1726	4594.	73.03	161.1
#2	L-232.5	5071.	659.1	.1698	4590.	71.46	161.2
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	645.5	3581.	H1491000.	1633.	733.6	7074.	124.8
SDev	.4	8.	1044.	8.	5.3	.	1.2
%RSD	.0544	.2215	.0700	.5186	.7205	.0010	.9451
#1	645.7	3575.	H1490000.	1639.	737.3	7074.	125.7
#2	645.2	3586.	H1492000.	1627.	729.8	7074.	124.0
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7794.	1030.	71.30	L-219.9	2196.	1604.	54.75
SDev	3.	.	6.77	.3	1.	2.	3.14
%RSD	.0366	.0350	9.496	.1296	.0677	.1000	5.733
#1	7796.	1031.	66.51	L-219.7	2197.	1603.	52.53
#2	7792.	1030.	76.09	L-220.1	2195.	1605.	56.97
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	39.73	208.9	1642.	1585.	38.35	40.42	34.86
SDev	.56	3.4	2.	1.	.06	.88	.20
%RSD	1.420	1.627	.1333	.0827	.1591	2.167	.5763
#1	40.13	206.5	1641.	1584.	38.30	41.04	34.72
#2	39.33	211.3	1644.	1586.	38.39	39.80	35.01
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	64.67	544.0	200.3	32.92
SDev	4.61	.9	.2	1.89
%RSD	7.121	.1614	.0762	5.737
#1	61.41	543.3	200.2	34.26
#2	67.93	544.6	200.4	31.59
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18618	15000	--	--	--	--	--
SDev	45.96194	.0000000	--	--	--	--	--
%RSD	.2468617	.0000000	--	--	--	--	--
#1	18586	15000	--	--	--	--	--
#2	18651	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 03:03:25 PM page 1

Method: CLPSUE Sample Name: 701506 #29 Operator:
Run Time: 04/22/95 14:58:07
Comment: SDG:MBNF79 ClientID:MBNF85S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-192.9	4483.	2560.	44.35	4152.	116.9	650.7
SDev	2.5	2.	1.	.07	8.	1.2	2.2
%RSD	1.315	.0525	.0497	.1620	.1866	.9857	.3421
#1	L-191.2	4481.	2559.	44.30	4147.	117.8	649.1
#2	L-194.7	4484.	2561.	44.40	4158.	116.1	652.3
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	796.0	3946.	H1492000.	1548.	646.5	7419.	121.5
SDev	.2	3.	1467.	3.	5.4	9.	.7
%RSD	.0271	.0782	.0983	.1923	.8282	.1176	.5933
#1	795.8	3943.	H1491000.	1550.	642.7	7413.	121.0
#2	796.1	3948.	H1493000.	1546.	650.3	7425.	122.0
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7132.	1592.	1914.	277.2	2634.	1907.	1646.
SDev	15.	2.	20.	.4	1.	4.	1.
%RSD	.2126	.1275	1.053	.1544	.0528	.2136	.0687
#1	7143.	1591.	1900.	277.5	2633.	1904.	1645.
#2	7122.	1594.	1929.	276.8	2635.	1910.	1647.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	483.5	2063.	1952.	1884.	481.7	484.4	1650.
SDev	.2	1.	.	6.	2.2	1.4	9.
%RSD	.0381	.0457	.0244	.3115	.4632	.2870	.5296
#1	483.7	2064.	1951.	1880.	480.2	485.4	1656.
#2	483.4	2062.	1952.	1888.	483.3	483.5	1644.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1644.	458.4	215.0	29.39
SDev	6.	1.4	6.5	2.23
%RSD	.3685	.3137	3.017	7.586
#1	1640.	457.4	219.6	30.97
#2	1648.	459.4	210.4	27.82
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18720	15000	--	--	--	--	--
SDev	36.06245	.0000000	--	--	--	--	--
%RSD	.1926464	.0000000	--	--	--	--	--
#1	18694	15000	--	--	--	--	--
#2	18745	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: SDI701510 #30 Operator:
Run Time: 04/22/95 15:03:30
Comment: SDG:MBNF79 ClientID:MBNF85L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-51.69	1054.	165.2	-.1034	935.0	8.561	32.97
SDev	.29	1.	.3	.0165	3.9	.094	.00
%RSD	.5628	.0482	.1792	16.00	.4187	1.103	.0078
#1	L-51.49	1053.	165.4	-.1151	932.3	8.628	32.97
#2	L-51.90	1054.	165.0	-.0917	937.8	8.495	32.97
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	125.2	689.5	H318400.	307.0	136.8	1536.	23.57
SDev	.3	2.2	613.	5.7	1.3	2.	.72
%RSD	.2285	.3209	.1925	1.865	.9304	.1485	3.075
#1	125.0	687.9	H317900.	311.1	135.9	1534.	24.08
#2	125.4	691.0	H318800.	303.0	137.7	1537.	23.05
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2124.	214.0	17.26	-46.04	485.9	279.0	17.40
SDev	37.	.3	.46	.20	1	1.1	2.19
%RSD	1.762	.1382	2.643	.4426	.2002	.4080	12.59
#1	2150.	214.2	16.93	-45.90	485.3	278.2	18.94
#2	2097.	213.8	17.58	-46.18	486.6	279.8	15.85
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.452	44.22	280.8	278.2	6.527	7.913	5.990
SDev	.014	1.58	.8	2.1	2.217	1.127	1.959
%RSD	.1848	3.574	.2780	.7538	33.96	14.25	32.71
#1	7.462	43.11	281.3	276.7	4.960	8.710	4.605
#2	7.442	45.34	280.2	279.7	8.095	7.116	7.376
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	23.09	105.5	40.44	7.448
SDev	4.26	.2	4.94	.016
%RSD	18.46	.2038	12.21	.2160
#1	26.10	105.6	43.93	7.437
#2	20.08	105.3	36.95	7.460
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19336	15000	--	--	--	--	--
SDev	70.00357	.0000000	--	--	--	--	--
%RSD	.3620469	.0000000	--	--	--	--	--
#1	19286	15000	--	--	--	--	--
#2	19385	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701499 #31 Operator:
Run Time: 04/22/95 15:08:53
Comment: SDG:MBNF79 ClientID:MBNF79 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-85.23	4743.	241.0	.5949	56000.	27.62	137.6
SDev	.24	11.	1.3	.0067	527.	.02	1.5
%RSD	.2833	.2240	.5231	1.134	.9419	.0652	1.087
#1	L-85.40	4750.	241.9	.5901	55630.	27.61	136.5
#2	L-85.06	4735.	240.1	.5997	56370.	27.63	138.7
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	475.5	3837.	H569900.	1955.	15530.	H11170.	110.2
SDev	2.5	13.	3033.	21.	39.	65.	1.0
%RSD	.5159	.3469	.5321	1.088	.2485	.5795	.9198
#1	473.7	3846.	H567700.	1970.	15510.	H11120.	109.5
#2	477.2	3827.	H572000.	1939.	15560.	H11210.	110.9
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4987.	1161.	22.94	L-71.15	3946.	2782.	39.40
SDev	16.	5.	7.36	.22	26.	8.	.26
%RSD	.3201	.4714	32.06	.3148	.6660	.3002	.6654
#1	4998.	1157.	17.74	L-70.99	3927.	2776.	39.58
#2	4976.	1165.	28.15	L-71.30	3965.	2788.	39.21
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	81.73	333.0	2823.	2762.	78.95	83.12	25.74
SDev	.98	1.3	7.	9.	1.74	.60	4.04
%RSD	1.198	.3987	.2479	.3269	2.199	.7233	15.71
#1	82.42	332.1	2818.	2756.	80.17	83.55	22.88
#2	81.04	333.9	2828.	2768.	77.72	82.70	28.60
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	46.21	285.9	563.0	10.58
SDev	2.41	5.5	8.3	1.62
%RSD	5.220	1.941	1.474	15.33
#1	47.92	281.9	557.1	11.72
#2	44.51	289.8	568.9	9.431
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18902	15000	--	--	--	--	--
SDev	8.485281	.0000000	--	--	--	--	--
%RSD	.0448909	.0000000	--	--	--	--	--
#1	18896	15000	--	--	--	--	--
#2	18908	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 03:19:34 PM page 1

Method: CLPSUE Sample Name: 701501 #32 Operator:
Run Time: 04/22/95 15:14:17
Comment: SDG:MBNF79 ClientID:MBNF80 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-89.20	6963.	283.4	.7698	86810.	38.21	128.7
SDev	.32	2.	.0	.0167	.	.13	.3
%RSD	.3609	.0216	.0129	2.173	.0003	.3474	.2141
#1	L-88.97	6964.	283.4	.7816	86810.	38.31	128.5
#2	L-89.43	6962.	283.4	.7580	86810.	38.12	128.9
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1009.	3866.	H606900.	2654.	81110.	H12340.	134.7
SDev	1.	2.	34.	6.	28.	3.	.6
%RSD	.0976	.0505	.0057	.2220	.0341	.0211	.4529
#1	1010.	3864.	H606900.	2658.	81130.	H12340.	135.1
#2	1008.	3867.	H606900.	2650.	81100.	H12340.	134.3
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6648.	1005.	17.28	L-66.95	6014.	2211.	31.67
SDev	60.	1.	.93	.19	3.	3.	2.18
%RSD	.9042	.0889	5.401	.2847	.0462	.1417	6.886
#1	6691.	1005.	16.62	L-67.09	6016.	2213.	30.13
#2	6606.	1006.	17.94	L-66.82	6013.	2209.	33.21
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	42.78	203.9	2254.	2189.	40.46	43.94	15.74
SDev	.06	5.2	1.	5.	.59	.20	1.34
%RSD	.1442	2.546	.0298	.2299	1.464	.4627	8.516
#1	42.82	207.6	2254.	2193.	40.88	43.79	16.69
#2	42.74	200.3	2255.	2186.	40.04	44.08	14.80
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	39.62	367.8	194.5	10.25
SDev	3.94	.8	.9	.36
%RSD	9.942	.2172	.4696	3.538
#1	36.83	367.2	193.8	10.50
#2	42.40	368.4	195.1	9.989
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18610	15000	--	--	--	--	--
SDev	20.50610	.0000000	--	--	--	--	--
%RSD	.1101915	.0000000	--	--	--	--	--
#1	18595	15000	--	--	--	--	--
#2	18624	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701502 #33 Operator:
Run Time: 04/22/95 15:19:40
Comment: SDG:MBNF79 ClientID:MBNF81 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-23.43	8705.	1206.	1.021	15470.	16.37	22.66
SDev	.12	6.	1.	.022	42.	.12	.49
%RSD	.5021	.0662	.0441	2.181	.2744	.7090	2.180
#1	L-23.34	8701.	1206.	1.037	15440.	16.29	22.31
#2	L-23.51	8709.	1207.	1.006	15500.	16.45	23.01
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	86.78	583.8	155300.	3013.	5455.	1133.	13.97
SDev	.97	.1	187.	7.	3.	1.	.70
%RSD	1.121	.0159	.1201	.2388	.0526	.1276	5.007
#1	86.09	583.7	155200.	3018.	5453.	1132.	13.48
#2	87.47	583.8	155500.	3008.	5457.	1134.	14.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8090.	67.32	7.959	30.01	2987.	4098.	13.74
SDev	57.	.52	1.930	.18	4.	4.	5.12
%RSD	.7095	.7757	24.25	.6142	.1361	.1004	37.27
#1	8131.	66.95	9.324	29.88	2984.	4095.	10.12
#2	8050.	67.69	6.595	30.14	2989.	4101.	17.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.840	79.57	4130.	4083.	2.546	2.987	1.021
SDev	.972	.36	6.	9.	1.468	.724	2.695
%RSD	34.22	.4476	.1347	.2191	57.66	24.25	264.0
#1	2.153	79.31	4134.	4076.	1.508	2.475	-.8849
#2	3.528	79.82	4126.	4089.	3.583	3.499	2.926
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	20.09	415.7	31.08	4.966
SDev	6.33	1.8	4.73	.068
%RSD	31.52	.4245	15.21	1.370
#1	15.61	414.5	34.43	5.014
#2	24.56	416.9	27.74	4.918
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19086	15000	--	--	--	--	--
SDev	16.26346	.0000000	--	--	--	--	--
%RSD	.0852092	.0000000	--	--	--	--	--
#1	19075	15000	--	--	--	--	--
#2	19098	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701503 #34 Operator:
Run Time: 04/22/95 15:25:03
Comment: SDG:MBNF79 ClientID:MBNF82 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.509	H1073000.	H28490.	85.34	264800.	61.60	1310.
SDev	.223	1015.	23.	1.13	1624.	20.10	18.
%RSD	3.424	.0946	.0810	1.319	.6134	32.63	1.405
#1	-6.351	H1072000.	H28500.	84.55	263600.	75.81	1323.
#2	-6.666	H1074000.	H28470.	86.14	265900.	47.38	1297.
Errors	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4101.	21.40	H5856000.	119800.	270800.	H33780.	752.3
SDev	12.	.90	25108.	50.	670.	125.	96.3
%RSD	.2933	4.201	.4288	.0418	.2475	.3700	12.81
#1	4092.	22.03	H5838000.	119800.	270300.	H33690.	820.4
#2	4109.	20.76	H5874000.	119900.	271200.	H33860.	684.2
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	16670.	2387.	L-1800.	5189.	H34310.	H37980.	1057.
SDev	6393.	115.	221.	24.	115.	20.	125.
%RSD	38.35	4.833	12.28	.4628	.3360	.0537	11.80
#1	12150.	2305.	L-1956.	5172.	H34230.	H37970.	1145.
#2	21190.	2468.	L-1643.	5206.	H34390.	H37990.	968.7
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC High	LC High	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-122.3	4259.	39420.	37260.	-620.1	126.1	-1412.
SDev	12.6	108.	164.	51.	30.7	3.6	321.
%RSD	10.31	2.536	.4152	.1373	4.957	2.836	22.73
#1	L-113.4	4182.	39300.	37300.	-598.4	128.6	-1185.
#2	L-131.2	4335.	39540.	37220.	-641.8	123.6	-1639.
Errors	LC Low	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2290.	H55530.	843.8	396.1
SDev	27.	338.	697.5	60.9
%RSD	1.165	.6094	82.67	15.38
#1	2308.	H55290.	1337.	439.1
#2	2271.	H55770.	350.6	353.0

Errors	NOCHECK	LC High	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	133	15000	--	--	--	--	--
SDev	.0000000	.0000000	--	--	--	--	--
%RSD	.0000000	.0000000	--	--	--	--	--
#1	133	15000	--	--	--	--	--
#2	133	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701505 #35 Operator:
Run Time: 04/22/95 15:30:26
Comment: SDG:MBNF79 ClientID:MBNF83 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-20.67	14130.	673.6	1.051	27850.	20.67	27.36
SDev	.17	4.	1.8	.012	83.	.18	.31
%RSD	.8384	.0291	.2711	1.186	.2976	.8504	1.149
#1	L-20.55	14130.	674.9	1.042	27790.	20.55	27.14
#2	L-20.80	14120.	672.3	1.060	27910.	20.80	27.58
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	127.5	721.3	143100.	9682.	16450.	2271.	20.64
SDev	.1	.3	197.	21.	1.	4.	.81
%RSD	.0509	.0369	.1377	.2153	.0041	.1729	3.937
#1	127.5	721.1	142900.	9697.	16450.	2268.	21.21
#2	127.5	721.5	143200.	9667.	16440.	2273.	20.06
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	32540.	86.40	4.537	37.89	5269.	4078.	16.00
SDev	130.	1.05	1.911	.02	9.	3.	1.49
%RSD	.3980	1.210	42.13	.0477	.1689	.0832	9.332
#1	32630.	87.14	3.185	37.90	5263.	4076.	14.94
#2	32450.	85.66	5.888	37.88	5276.	4081.	17.05
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.704	80.30	4126.	4054.	2.700	4.205	.6640
SDev	1.708	2.61	.	5.	2.095	1.515	7.918
%RSD	46.12	3.250	.0048	.1279	77.61	36.03	1192.
#1	2.496	78.46	4126.	4051.	1.218	3.134	-4.935
#2	4.912	82.15	4126.	4058.	4.181	5.277	6.263
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	23.65	399.9	36.36	3.998
SDev	1.71	.1	2.24	1.738
%RSD	7.249	.0349	6.169	43.48
#1	24.87	399.8	37.94	5.227
#2	22.44	400.0	34.77	2.769
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19106	15000	--	--	--	--	--
SDev	27.57716	.0000000	--	--	--	--	--
%RSD	.1443415	.0000000	--	--	--	--	--
#1	19086	15000	--	--	--	--	--
#2	19125	15000	--	--	--	--	--

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Analysis Report

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Method: CLPSUE Sample Name: 701509 #36 Operator:
Run Time: 04/22/95 15:35:48
Comment: SDG:MBNF79 ClientID:MBNF84 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-17.53	19430.	517.9	1.205	31290.	6.252	46.91
SDev	.13	7.	.8	.008	103.	.267	.03
%RSD	.7417	.0383	.1592	.6422	.3286	4.271	.0683
#1	L-17.62	19420.	518.4	1.210	31220.	6.441	46.93
#2	L-17.43	19430.	517.3	1.199	31360.	6.063	46.88
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	81.08	509.2	115600.	5140.	10320.	1726.	12.23
SDev	.01	.8	206.	12.	1.	2.	.77
%RSD	.0111	.1488	.1782	.2347	.0968	.1440	6.259
#1	81.08	509.7	115400.	5149.	10310.	1724.	12.77
#2	81.07	508.6	115700.	5131.	10320.	1728.	11.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10450.	291.2	-.3134	36.28	1201.	1027.	7.439
SDev	4.	.1	4.8913	.00	4.	1.	1.130
%RSD	.0357	.0507	1561.	.0005	.3579	.0498	15.19
#1	10450.	291.3	-3.772	36.28	1198.	1026.	8.238
#2	10450.	291.1	3.145	36.28	1204.	1027.	6.640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.229	111.7	1039.	1021.	-.1849	3.433	-8.334
SDev	.397	3.0	.	1.	.1735	.508	3.648
%RSD	17.79	2.690	.0223	.0864	93.81	14.79	43.77
#1	2.509	113.8	1039.	1020.	-.0623	3.792	-5.755
#2	1.948	109.6	1039.	1021.	-.3076	3.074	-10.91
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	15.31	378.9	25.43	2.309
SDev	.13	2.1	2.28	.014
%RSD	.8315	.5454	8.985	.6034
#1	15.22	377.5	23.81	2.319
#2	15.40	380.4	27.04	2.299
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19626	15000	--	--	--	--	--
SDev	2.121320	.0000000	--	--	--	--	--
%RSD	.0108085	.0000000	--	--	--	--	--
#1	19625	15000	--	--	--	--	--
#2	19628	15000	--	--	--	--	--

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Analysis Report QC Standard Sat 04-22-95 03:46:29 PM page 1

Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/22/95 15:41:11
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.0	1897.	1013.	988.5	50430.	995.2	1020.
SDev	.1	1.	2.	1.6	12.	.2	.
%RSD	.1176	.0315	.1644	.1568	.0241	.0160	.0119
#1	99.95	1897.	1012.	987.4	50420.	995.3	1020.
#2	100.1	1897.	1014.	989.6	50430.	995.1	1020.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	992.0	1013.	2115.	49680.	48580.	1010.	1005.
SDev	.5	.	2.	49.	1.	.	1.
%RSD	.0477	.0464	.1041	.0985	.0203	.0313	.0717
#1	991.7	1013.	2117.	49710.	48580.	1010.	1004.
#2	992.3	1013.	2114.	49650.	48590.	1010.	1005.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49180.	1003.	1072.	993.7	2132.	1044.	1024.
SDev	25.	2.	6.	.4	.	2.	1.
%RSD	.0513	.2455	.5460	.0428	.0134	.1827	.0975
#1	49190.	1001.	1068.	994.0	2131.	1043.	1023.
#2	49160.	1004.	1076.	993.4	2132.	1045.	1025.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1017.	1055.	1039.	1002.	1004.	1026.
SDev	3.	3.	2.	2.	1.	4.	11.
%RSD	.2613	.3022	.2071	.1703	.0813	.4320	1.045
#1	1005.	1019.	1053.	1037.	1001.	1007.	1019.
#2	1001.	1014.	1056.	1040.	1002.	1001.	1034.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1023.	994.8	1018.	1032.
SDev	4.	2.8	12.	4.
%RSD	.3773	.2851	1.158	.4034
#1	1025.	992.8	1010.	1029.
#2	1020.	996.8	1026.	1035.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19146	15000	--	--	--	--	--
SDev	13.43503	.0000000	--	--	--	--	--
%RSD	.0701733	.0000000	--	--	--	--	--
#1	19136	15000	--	--	--	--	--
#2	19155	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/22/95 15:46:35
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1094	33.56	.1926	-.0025	-3.467	.0081	.5744
SDev	.0867	2.20	.0123	.0083	.083	.1353	.2889
%RSD	79.20	6.549	6.371	328.9	2.405	1661.	50.30
#1	.1707	32.00	.2013	.0033	-3.408	.1038	.3701
#2	.0481	35.11	.1840	-.0083	-3.526	-.0875	.7787
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0472	-.3124	4.899	.0842	6.470	.2913	.5132
SDev	.3258	.0898	2.772	5.433	.733	.0023	.6357
%RSD	690.4	28.76	56.59	6453.	11.33	.7784	123.9
#1	.1832	-.2488	2.939	3.926	5.952	.2897	.9627
#2	-.2776	-.3759	6.859	-3.757	6.988	.2929	.0637
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	105.8	-.1690	.3909	.1950	.3600	-.0232	-.5506
SDev	34.2	.0960	2.631	.2011	.1734	.8312	1.1656
%RSD	32.29	56.82	673.1	103.1	48.17	3584.	211.7
#1	130.0	-.1011	-1.470	.0529	.4827	.5645	-1.375
#2	81.66	-.2369	2.252	.3372	.2374	-.6109	.2736
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3792	-.4529	.0597	-.0652	-1.098	1.116	-7.185
SDev	.7488	3.0064	.3481	1.4199	.047	1.146	2.538
%RSD	197.4	663.8	583.1	2177.	4.313	102.7	35.32
#1	.9087	1.673	-.1864	.9388	-1.131	1.927	-8.979
#2	-.1502	-2.579	.3058	-1.069	-1.064	.3055	-5.390
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.761	.0908	.8798	-.7870
SDev	.480	1.458	4.992	.8988
%RSD	17.40	1605.	567.4	114.2
#1	2.421	-.9400	4.410	-1.423
#2	3.101	1.122	-2.650	-.1514
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19778	15000	--	--	--	--	--
SDev	26.87006	.0000000	--	--	--	--	--
%RSD	.1358583	.0000000	--	--	--	--	--
#1	19759	15000	--	--	--	--	--
#2	19797	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701511 #39 Operator:
Run Time: 04/22/95 15:51:58
Comment: SDG:MBNF79 ClientID:MBNF86 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-152.6	4129.	1951.	.7526	4184.	31.74	98.86
SDev	.4	4.	4.	.0078	18.	.28	.36
%RSD	.2840	.0958	.2239	1.037	.4315	.8968	.3595
#1	L-152.3	4132.	1954.	.7471	4172.	31.54	98.61
#2	L-152.9	4126.	1948.	.7581	4197.	31.94	99.11
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	331.8	2058.	H940100.	866.6	362.4	4374.	58.46
SDev	.5	1.	2211.	17.5	1.7	10.	2.03
%RSD	.1529	.0426	.2352	2.014	.4819	.2312	3.480
#1	332.2	2057.	H938500.	878.9	363.7	4367.	57.02
#2	331.5	2058.	H941700.	854.3	361.2	4381.	59.90
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1921.	592.9	40.12	L-118.9	1210.	827.4	45.81
SDev	78.	.8	6.35	.6	3.	2.8	2.44
%RSD	4.062	.1367	15.82	.5396	.2554	.3423	5.328
#1	1977.	592.3	35.63	L-118.5	1208.	825.4	44.08
#2	1866.	593.5	44.61	L-119.4	1213.	829.5	47.53
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	23.70	169.6	841.0	820.7	20.71	25.19	22.54
SDev	1.42	2.9	3.6	6.1	1.42	1.42	4.39
%RSD	5.974	1.723	.4337	.7394	6.836	5.620	19.45
#1	22.70	171.6	843.6	816.4	19.71	24.19	25.64
#2	24.70	167.5	838.4	825.0	21.72	26.20	19.44
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	57.43	370.6	134.3	19.45
SDev	5.85	2.1	2.5	2.04
%RSD	10.18	.5717	1.833	10.46
#1	53.29	369.1	136.0	20.89
#2	61.56	372.1	132.5	18.02
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18966	15000	--	--	--	--	--
SDev	36.06245	.0000000	--	--	--	--	--
%RSD	.1901476	.0000000	--	--	--	--	--
#1	18940	15000	--	--	--	--	--
#2	18991	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701512 #40 Operator:
Run Time: 04/22/95 15:57:21
Comment: SDG:MBNF79 ClientID:MBNF87 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-246.1	23190.	131.7	.7089	3431.	71.34	305.0
SDev	.9	1.	.4	.0069	13.	.58	.5
%RSD	.3622	.0427	.2774	.9762	.3708	.8091	.1733
#1	L-246.8	23190.	132.0	.7040	3422.	71.75	304.6
#2	L-245.5	23180.	131.4	.7138	3440.	70.93	305.4
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	511.6	1441.	H1567000.	555.7	143.7	7152.	142.2
SDev	.2	2.	2487.	4.0	.5	11.	.7
%RSD	.0457	.1627	.1587	.7118	.3591	.1595	.4951
#1	511.8	1442.	H1566000.	558.5	144.1	7144.	141.7
#2	511.4	1439.	H1569000.	552.9	143.4	7160.	142.7
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	36990.	1826.	74.71	L-189.8	1336.	356.9	61.28
SDev	21.	1.	8.25	.4	1.	.5	3.08
%RSD	.0564	.0555	11.05	.1997	.1047	.1284	5.019
#1	36980.	1825.	80.55	L-189.5	1335.	357.2	63.46
#2	37010.	1827.	68.87	L-190.0	1337.	356.5	59.11
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	38.86	165.8	366.5	352.1	40.58	38.00	35.64
SDev	.42	2.6	2.4	.5	1.17	.05	3.38
%RSD	1.080	1.588	.6586	.1472	2.882	.1188	9.477
#1	39.15	163.9	368.2	351.7	41.41	38.03	33.26
#2	38.56	167.6	364.8	352.4	39.76	37.96	38.03
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	74.08	6593.	110.2	21.08
SDev	6.30	4.	4.6	.07
%RSD	8.501	.0659	4.155	.3278
#1	78.54	6590.	106.9	21.13
#2	69.63	6596.	113.4	21.03
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18980	15000	--	--	--	--	--
SDev	.7071068	.0000000	--	--	--	--	--
%RSD	.0037254	.0000000	--	--	--	--	--
#1	18981	15000	--	--	--	--	--
#2	18980	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701513 #41 Operator:
Run Time: 04/22/95 16:02:44
Comment: SDG:MBNF79 ClientID:MBNF88 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-84.72	14920.	586.6	1.411	114800.	84.60	60.58
SDev	.45	30.	1.3	.028	103.	.59	.42
%RSD	.5334	.1980	.2262	1.963	.0897	.7019	.6852
#1	L-84.40	14900.	585.7	1.430	114800.	85.02	60.88
#2	L-85.03	14940.	587.6	1.391	114700.	84.18	60.29
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	514.6	3394.	H572600.	7645.	8619.	4689.	121.2
SDev	1	5.	94.	3.	8.	1.	1.4
%RSD	.1897	.1548	.0164	.0391	.0879	.0171	1.153
#1	515.3	3391.	H572700.	7643.	8613.	4689.	122.2
#2	513.9	3398.	H572500.	7647.	8624.	4688.	120.2
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	77290.	398.1	27.41	-49.68	H36250.	H89780.	26.15
SDev	240.	.1	5.45	.33	39.	99.	4.35
%RSD	.3107	.0206	19.86	.6579	.1081	.1107	16.64
#1	77460.	398.1	23.56	-49.45	H36280.	H89710.	23.07
#2	77120.	398.2	31.26	-49.91	H36220.	H89850.	29.22
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.38	150.2	91680.	88830.	-40.59	49.32	16.73
SDev	1.95	3.8	72.	113.	2.95	1.45	4.27
%RSD	10.05	2.531	.0789	.1271	7.263	2.937	25.49
#1	18.00	152.9	91630.	88750.	-42.68	48.30	13.72
#2	20.76	147.5	91730.	88910.	-38.51	50.34	19.75
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	30.84	833.6	333.1	44.62
SDev	4.39	.4	2.6	1.65
%RSD	14.24	.0481	.7903	3.697
#1	27.74	833.3	335.0	45.78
#2	33.95	833.9	331.2	43.45
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18700	15000	--	--	--	--	--
SDev	4.949748	.0000000	--	--	--	--	--
%RSD	.0264685	.0000000	--	--	--	--	--
#1	18704	15000	--	--	--	--	--
#2	18697	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702060 #42 Operator:
Run Time: 04/22/95 16:08:07
Comment: SDG:MBNF79 ClientID:MBNF89 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-87.25	15180.	2144.	1.042	64790.	141.4	72.02
SDev	.63	11.	2.	.007	239.	.2	.01
%RSD	.7166	.0721	.0989	.6807	.3694	.1169	.0108
#1	L-86.80	15190.	2142.	1.047	64620.	141.3	72.01
#2	L-87.69	15170.	2145.	1.037	64960.	141.6	72.02
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1006.	3321.	H605400.	3889.	18600.	9985.	85.00
SDev	4.	2.	1321.	16.	19.	25.	.36
%RSD	.3588	.0494	.2181	.4170	.1019	.2488	.4273
#1	1003.	3323.	H604500.	3900.	18590.	9967.	85.26
#2	1008.	3320.	H606400.	3877.	18620.	H10000.	84.75
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7738.	400.2	23.27	-30.30	16350.	H52280.	30.39
SDev	32.	.7	5.02	.14	66.	90.	3.65
%RSD	.4192	.1681	21.55	.4675	.4022	.1720	12.00
#1	7761.	399.7	19.72	-30.20	16310.	H52210.	27.81
#2	7715.	400.7	26.82	-30.40	16400.	H52340.	32.97
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	40.76	196.4	53070.	51880.	37.92	42.18	12.05
SDev	2.08	2.9	39.	154.	.49	2.88	.07
%RSD	5.104	1.490	.0739	.2976	1.290	6.816	.5888
#1	42.23	198.4	53100.	51770.	38.26	44.22	12.10
#2	39.29	194.3	53040.	51990.	37.57	40.15	12.00
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	39.55	794.7	240.6	40.11
SDev	5.50	1.6	5.3	.26
%RSD	13.91	.2025	2.183	.6384
#1	35.66	793.5	236.9	39.93
#2	43.44	795.8	244.3	40.29
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18810	15000	--	--	--	--	--
SDev	24.74874	.0000000	--	--	--	--	--
%RSD	.1315757	.0000000	--	--	--	--	--
#1	18792	15000	--	--	--	--	--
#2	18827	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702061 #43 Operator:
Run Time: 04/22/95 16:13:30
Comment: SDG:MBNF79 ClientID:MBNF90 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-68.99	17230.	1063.	1.226	53240.	138.5	82.62
SDev	.32	37.	4.	.003	419.	.4	.75
%RSD	.4576	.2120	.3377	.2473	.7875	.3151	.9033
#1	L-68.77	17260.	1066.	1.224	52940.	138.1	82.09
#2	L-69.22	17200.	1060.	1.228	53530.	138.8	83.15
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1121.	5669.	H553400.	3185.	19610.	H11520.	77.07
SDev	6.	10.	2189.	17.	31.	56.	.08
%RSD	.5357	.1827	.3956	.5436	.1566	.4902	.0979
#1	1117.	5676.	H551800.	3197.	19590.	H11480.	77.13
#2	1125.	5661.	H554900.	3173.	19640.	H11560.	77.02
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3555.	592.7	21.11	16.13	9769.	H42610.	27.06
SDev	88.	3.7	.03	.54	65.	149.	.63
%RSD	2.464	.6276	.1314	3.357	.6663	.3502	2.321
#1	3493.	590.0	21.13	16.51	9723.	H42510.	26.62
#2	3617.	595.3	21.10	15.75	9815.	H42720.	27.51
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	193.9	452.6	43240.	42300.	191.9	195.0	7.296
SDev	1.6	.5	145.	151.	1.6	3.2	10.87
%RSD	.8175	.1171	.3358	.3576	.8526	1.638	149.0
#1	195.1	453.0	43140.	42190.	190.7	197.2	-.3913
#2	192.8	452.3	43340.	42410.	193.0	192.7	14.98
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	36.93	998.9	473.3	33.38
SDev	4.49	2.3	6.7	.74
%RSD	12.15	.2306	1.415	2.203
#1	40.11	997.3	478.0	33.90
#2	33.76	1001.	468.5	32.86
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18978	15000	--	--	--	--	--
SDev	34.64823	.0000000	--	--	--	--	--
%RSD	.1825753	.0000000	--	--	--	--	--
#1	18953	15000	--	--	--	--	--
#2	19002	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702062 #44 Operator:
Run Time: 04/22/95 16:18:52
Comment: SDG:MBNF79 ClientID:MBNF91 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-54.92	14610.	829.6	1.144	25600.	108.4	48.69
SDev	.20	5.	2.0	.011	117.	.0	.28
%RSD	.3719	.0362	.2384	.9186	.4563	.0086	.5829
#1	L-54.78	14600.	831.0	1.137	25520.	108.4	48.48
#2	L-55.07	14610.	828.2	1.151	25680.	108.4	48.89
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	556.9	3713.	H361400.	2487.	8673.	4306.	52.06
SDev	1.7	6.	983.	13.	22.	11.	.66
%RSD	.3103	.1613	.2720	.5204	.2593	.2620	1.263
#1	555.7	3717.	H360700.	2496.	8658.	4298.	51.60
#2	558.1	3709.	H362100.	2478.	8689.	4314.	52.53
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2573.	231.0	11.26	13.20	6685.	8017.	21.30
SDev	37.	1.4	.36	.19	29.	34.	.55
%RSD	1.433	.6037	3.202	1.445	.4303	.4299	2.563
#1	2547.	230.0	11.52	13.07	6664.	7993.	21.69
#2	2599.	232.0	11.01	13.34	6705.	8041.	20.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	31.68	138.7	8106.	7973.	29.71	32.66	5.403
SDev	.33	.1	26.	39.	2.39	.70	2.441
%RSD	1.046	.0678	.3204	.4854	8.047	2.134	45.17
#1	31.45	138.8	8087.	7945.	28.02	33.15	7.128
#2	31.91	138.6	8124.	8000.	31.40	32.17	3.677
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	29.24	534.3	200.6	7.192
SDev	.40	2.5	4.1	.770
%RSD	1.367	.4652	2.026	10.70
#1	28.96	532.5	203.5	7.736
#2	29.52	536.0	197.7	6.648
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19158	15000	--	--	--	--	--
SDev	14.84924	.0000000	--	--	--	--	--
%RSD	.0775114	.0000000	--	--	--	--	--
#1	19168	15000	--	--	--	--	--
#2	19147	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702065 #45 Operator:
Run Time: 04/22/95 16:24:15
Comment: SDG:MBNF79 ClientID:MBNF92 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-182.7	11820.	133.0	-.0361	5042.	54.40	161.9
SDev	.2	1.	.1	.0058	4.	.43	.1
%RSD	.1118	.0057	.1009	15.96	.0848	.7866	.0512
#1	L-182.5	11820.	133.0	-.0320	5045.	54.70	161.9
#2	L-182.8	11820.	132.9	-.0402	5039.	54.10	162.0
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	786.7	1942.	H1186000.	230.9	104.8	4613.	154.6
SDev	.2	1.	150.	3.1	.6	1.	.5
%RSD	.0207	.0283	.0127	1.359	.6121	.0211	.3228
#1	786.8	1942.	H1186000.	233.1	105.3	4613.	154.2
#2	786.6	1943.	H1186000.	228.6	104.4	4614.	154.9
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6744.	872.6	58.15	L-219.8	6940.	258.8	48.98
SDev	2.	.6	2.37	.3	1.	1.5	4.53
%RSD	.0355	.0654	4.071	.1152	.0114	.5719	9.249
#1	6745.	872.2	59.83	L-219.9	6941.	259.8	52.19
#2	6742.	873.0	56.48	L-219.6	6940.	257.7	45.78
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	39.42	135.0	263.3	256.5	39.04	39.61	23.54
SDev	.79	4.2	5.2	.4	1.24	1.80	4.88
%RSD	1.998	3.105	1.979	.1490	3.177	4.544	20.75
#1	39.98	132.0	267.0	256.3	38.17	40.88	26.99
#2	38.86	138.0	259.6	256.8	39.92	38.34	20.09
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	61.68	3505.	112.1	17.21
SDev	4.35	3.	.5	2.51
%RSD	7.058	.0921	.4687	14.59
#1	64.76	3503.	111.8	18.98
#2	58.61	3507.	112.5	15.43
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18758	15000	--	--	--	--	--
SDev	19.09188	.0000000	--	--	--	--	--
%RSD	.1017827	.0000000	--	--	--	--	--
#1	18744	15000	--	--	--	--	--
#2	18771	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702066 #46 Operator:
Run Time: 04/22/95 16:29:38
Comment: SDG:MBNF79 ClientID:MBNF93 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-239.3	4640.	416.0	.0611	9938.	70.35	121.9
SDev	2.3	3.	.7	.0394	9.	.62	.3
%RSD	.9702	.0635	.1644	64.55	.0903	.8800	.2144
#1	L-237.6	4638.	415.6	.0890	9945.	70.79	122.1
#2	L-240.9	4642.	416.5	.0332	9932.	69.92	121.7
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3371.	6953.	H1541000.	2231.	1880.	H12130.	1106.
SDev	3.	13.	152.	3.	3.	2.	.
%RSD	.0815	.1816	.0099	.1418	.1503	.0189	.0385
#1	3373.	6944.	H1541000.	2229.	1882.	H12130.	1106.
#2	3369.	6962.	H1541000.	2233.	1878.	H12130.	1106.
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2884.	1888.	70.11	L-318.8	3676.	927.2	57.57
SDev	36.	1.	.04	.1	2.	.5	4.66
%RSD	1.243	.0622	.0566	.0196	.0490	.0490	8.096
#1	2910.	1887.	70.08	L-318.7	3677.	926.9	54.27
#2	2859.	1888.	70.14	L-318.8	3674.	927.5	60.86
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47.64	130.2	948.2	916.7	49.12	46.90	32.83
SDev	1.82	2.0	1.5	1.4	1.54	1.96	4.00
%RSD	3.823	1.519	.1612	.1575	3.140	4.181	12.20
#1	46.35	131.6	949.3	915.7	48.03	45.51	30.00
#2	48.93	128.8	947.1	917.7	50.21	48.29	35.66
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	69.91	293.4	195.8	29.39
SDev	4.99	.7	3.1	.54
%RSD	7.136	.2522	1.594	1.825
#1	66.39	292.9	193.6	29.77
#2	73.44	293.9	198.0	29.01
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18416	15000	--	--	--	--	--
SDev	27.57716	.0000000	--	--	--	--	--
%RSD	.1497497	.0000000	--	--	--	--	--
#1	18396	15000	--	--	--	--	--
#2	18435	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702067 #47 Operator:
Run Time: 04/22/95 16:35:01
Comment: SDG:MBNF79 ClientID:MBNF94 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.310	7959.	79.08	.6233	6741.	.4791	12.35
SDev	.279	1.	.01	.0170	19.	.1941	.38
%RSD	3.811	.0104	.0066	2.728	.2862	40.50	3.094
#1	-7.113	7959.	79.08	.6353	6727.	.6163	12.08
#2	-7.507	7960.	79.07	.6113	6754.	.3419	12.62
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	38.12	194.8	44450.	1185.	2722.	381.8	5.219
SDev	.08	.2	110.	3.	6.	.5	.687
%RSD	.2001	.1221	.2475	.2466	.2274	.1356	13.16
#1	38.07	194.6	44370.	1187.	2718.	381.4	5.704
#2	38.17	195.0	44520.	1182.	2727.	382.2	4.733
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	826.9	24.51	-2.369	29.52	532.0	146.1	6.247
SDev	28.7	.46	2.375	.06	.9	.7	1.885
%RSD	3.466	1.891	100.3	.2017	.1611	.4737	30.17
#1	806.6	24.18	-4.049	29.48	531.4	145.6	4.915
#2	847.1	24.84	-.6891	29.57	532.6	146.6	7.580
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0442	18.40	151.4	143.4	-.9632	.4140	-5.695
SDev	1.6934	1.94	2.2	.1	1.1224	1.978	2.725
%RSD	3831.	10.56	1.468	.0500	116.5	477.9	47.84
#1	-1.242	19.77	149.8	143.5	-1.757	-.9850	-7.622
#2	1.153	17.02	152.9	143.4	-.1695	1.813	-3.769
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	12.21	293.0	9.610	1.499
SDev	1.47	.9	2.334	.492
%RSD	12.00	.3002	24.29	32.80
#1	11.17	292.4	11.26	1.847
#2	13.25	293.6	7.959	1.152
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19308	15000	--	--	--	--	--
SDev	23.33452	.0000000	--	--	--	--	--
%RSD	.1208511	.0000000	--	--	--	--	--
#1	19292	15000	--	--	--	--	--
#2	19325	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702068 #48 Operator:
Run Time: 04/22/95 16:40:24
Comment: SDG:MBNF79 ClientID:MBNF95 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-18.27	15780.	1129.	1.449	64100.	5.311	18.58
SDev	.09	1.	3.	.002	500.	.242	.12
%RSD	.5082	.0091	.2961	.1137	.7799	4.552	.6229
#1	L-18.20	15780.	1132.	1.448	63750.	5.140	18.50
#2	L-18.34	15780.	1127.	1.451	64450.	5.482	18.67
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	153.5	14590.	116600.	6047.	24480.	1222.	11.32
SDev	.3	16.	510.	29.	41.	6.	.74
%RSD	.2225	.1069	.4379	.4877	.1671	.4581	6.543
#1	153.3	14600.	116200.	6068.	24450.	1218.	10.80
#2	153.8	14580.	116900.	6027.	24510.	1226.	11.84
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	26650.	71.11	.4401	52.96	2241.	736.3	9.262
SDev	26.	.22	.2737	.21	13.	1.9	1.596
%RSD	.0979	.3076	62.20	.4016	.5593	.2578	17.23
#1	26670.	70.96	.6336	52.81	2232.	735.0	8.134
#2	26630.	71.27	.2465	53.11	2250.	737.6	10.39
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8860	41.46	749.8	729.6	-.5142	1.584	.2090
SDev	1.825	3.45	4.0	.8	1.2970	2.089	2.069
%RSD	206.0	8.320	.5369	.1146	252.2	131.8	990.0
#1	2.176	43.90	747.0	729.0	.4029	3.061	-1.254
#2	-.4045	39.02	752.7	730.1	-1.431	.1076	1.672
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	13.78	324.3	L-17.37	L-18.77
SDev	1.36	2.7	1.87	2.30
%RSD	9.868	.8444	10.74	12.25
#1	12.82	322.3	L-18.69	L-17.14
#2	14.74	326.2	L-16.05	L-20.39

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19438	15000	--	--	--	--	--
SDev	19.09188	.0000000	--	--	--	--	--
%RSD	.0982168	.0000000	--	--	--	--	--
#1	19425	15000	--	--	--	--	--
#2	19452	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/22/95 16:45:48
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.4	1893.	1009.	991.4	50780.	997.8	1025.
SDev	.2	1.	1.	.8	86.	.3	1.
%RSD	.2467	.0570	.1446	.0784	.1687	.0299	.0833
#1	100.2	1894.	1010.	990.9	50720.	998.0	1024.
#2	100.5	1893.	1008.	992.0	50840.	997.6	1026.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	997.2	1011.	2142.	49490.	48440.	1016.	1006.
SDev	.4	1.	2.	65.	23.	1.	2.
%RSD	.0438	.0960	.0735	.1321	.0470	.1070	.1542
#1	996.9	1010.	2143.	49540.	48420.	1016.	1005.
#2	997.5	1012.	2140.	49450.	48450.	1017.	1008.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49100.	1007.	1059.	995.2	2150.	1041.	1014.
SDev	13.	1.	4.	1.6	.	1.	3.
%RSD	.0263	.0962	.3965	.1615	.0161	.1102	.2692
#1	49110.	1008.	1062.	994.0	2150.	1041.	1016.
#2	49090.	1006.	1056.	996.3	2149.	1042.	1012.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1019.	1054.	1035.	1000.	1004.	1012.
SDev	2.	3.	3.	3.	.	2.	3.
%RSD	.1566	.3083	.2692	.3029	.0133	.2280	.3069
#1	1004.	1017.	1056.	1033.	1001.	1006.	1014.
#2	1002.	1021.	1052.	1038.	1000.	1003.	1009.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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	1016.	.4088	19.				
	1013.		3.	1032.			
		991.4	.2627	1.			
Errors	NOCHECK	997.2	1020.	.1303			
Value			1017.	1031.			
Range		QC Pass	QC Pass	1032.			
		1000.	1000.	QC Pass			
IntStd	1	10.50	10.50	1000.			
Mode	*Counts	2	3	4	5	6	7
Elem	Y	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Wavlen	371.030	--	--	--	--	--	--
Avge	19159	--	--	--	--	--	--
SDev	26.87006	15000	--	--	--	--	--
%RSD	.1402477	.0000000	--	--	--	--	--
#1	19140	.0000000	--	--	--	--	--
#2	19178	15000	--	--	--	--	--
		15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/22/95 16:51:11
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0569	23.85	.1078	-.0308	-5.355	-.0237	.3854
SDev	.2476	1.63	.0184	.0008	.344	.1523	.0192
%RSD	435.1	6.852	17.05	2.536	6.431	641.5	4.987
#1	.1182	22.70	.1209	-.0302	-5.111	.0839	.3718
#2	-.2320	25.01	.0948	-.0313	-5.598	-.1314	.3990
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0941	.0442	16.32	-6.839	4.245	.2342	-.0008
SDev	.3271	.1194	.71	3.961	.495	.0271	.0956
%RSD	347.5	270.3	4.378	57.92	11.67	11.55	12670.
#1	.1372	.1286	16.83	-4.038	3.895	.2534	-.0683
#2	-.3254	-.0403	15.82	-9.640	4.595	.2151	.0668
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	40.08	-.2885	2.378	.0890	3.373	.3890	4.111
SDev	88.21	.3413	.580	.2079	.437	1.073	1.951
%RSD	220.1	118.3	24.40	233.6	12.96	275.8	47.46
#1	102.5	-.0472	1.968	-.0580	3.682	1.148	Q5.491
#2	-22.29	-.5298	2.788	.2359	3.064	-.3697	2.732
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7199	.7014	1.862	-.3472	-2.525	2.339	-.4683
SDev	.3374	.3201	1.198	1.0104	.795	.903	3.5361
%RSD	46.87	45.64	64.34	291.0	31.50	38.60	755.1
#1	.9585	.9278	2.709	.3672	-3.087	2.978	2.032
#2	.4813	.4750	1.015	-1.062	-1.962	1.701	-2.969
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	6.397	-.6963	1.624	-1.886
SDev	1.160	1.2630	.304	.317
%RSD	18.13	181.4	18.75	16.82
#1	7.217	-1.589	1.839	-1.662
#2	5.577	.1968	1.409	-2.111
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19642	15000	--	--	--	--	--
SDev	15.55635	.0000000	--	--	--	--	--
%RSD	.0791994	.0000000	--	--	--	--	--
#1	19631	15000	--	--	--	--	--
#2	19653	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702069 #51 Operator:
Run Time: 04/22/95 16:56:35
Comment: SDG:MBNF79 ClientID:MBNF96 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-182.8	13280.	7465.	.9917	42570.	105.8	129.1
SDev	1.7	9.	6.	.0013	97.	.9	.3
%RSD	.9312	.0694	.0805	.1304	.2280	.8109	.2618
#1	L-181.6	13270.	7461.	.9908	42500.	106.4	128.9
#2	L-184.0	13290.	7469.	.9927	42640.	105.2	129.3
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	654.5	H36070.	H1134000.	3050.	12740.	6181.	176.0
SDev	2.2	44.	1652.	5.	2.	8.	1.1
%RSD	.3294	.1215	.1457	.1673	.0164	.1279	.6322
#1	653.0	H36040.	H1133000.	3054.	12740.	6176.	176.8
#2	656.1	H36100.	H1135000.	3047.	12740.	6187.	175.2
Errors	LC Pass	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4536.	1083.	54.46	L-151.5	14190.	10270.	46.16
SDev	49.	3.	2.43	.3	28.	11.	5.70
%RSD	1.083	.2459	4.467	.2162	.1970	.1042	12.34
#1	4571.	1081.	56.18	L-151.3	14170.	10260.	42.13
#2	4501.	1085.	52.74	L-151.7	14210.	10280.	50.18
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.07	194.9	10480.	10160.	15.13	19.53	26.53
SDev	1.11	6.0	8.	20.	.33	1.50	5.13
%RSD	6.164	3.065	.0746	.1963	2.181	7.705	19.35
#1	17.28	190.6	10490.	10150.	14.90	18.47	22.90
#2	18.85	199.1	10480.	10180.	15.37	20.59	30.16
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	55.95	412.4	188.8	L-23.80
SDev	5.98	1.4	1.4	1.22
%RSD	10.68	.3462	.7199	5.107
#1	51.73	411.4	187.9	L-24.66
#2	60.18	413.4	189.8	L-22.94
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18755	15000	--	--	--	--	--
SDev	39.59798	.0000000	--	--	--	--	--
%RSD	.2111329	.0000000	--	--	--	--	--
#1	18727	15000	--	--	--	--	--
#2	18783	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702070 #52 Operator:
Run Time: 04/22/95 17:01:58
Comment: SDG:MBNF79 ClientID:MBNF97 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-115.5	7360.	699.4	.9182	36690.	374.7	86.80
SDev	.7	11.	1.6	.0131	126.	1	.20
%RSD	.6269	.1558	.2231	1.421	.3439	.2568	.2349
#1	L-115.0	7368.	700.5	.9274	36600.	374.0	86.66
#2	L-116.0	7352.	698.3	.9090	36780.	375.3	86.95
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	345.5	6775.	H712700.	4752.	1897.	3226.	29.28
SDev	1.4	8.	1158.	17.	2.	7.	.96
%RSD	.4061	.1211	.1624	.3620	.0996	.2070	3.282
#1	344.5	6769.	H711900.	4764.	1898.	3221.	28.60
#2	346.5	6781.	H713500.	4739.	1895.	3230.	29.96
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	38500.	147.8	35.78	127.9	26720.	19660.	35.83
SDev	8.	.4	3.93	.2	78.	74.	2.62
%RSD	.0210	.2491	10.99	.1921	.2917	.3783	7.321
#1	38500.	148.1	38.56	128.1	26670.	19610.	33.98
#2	38510.	147.6	33.00	127.7	26780.	19710.	37.69
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14.41	336.1	20000.	19490.	-22.67	32.92	27.07
SDev	.71	3.2	79.	72.	1.11	.52	1.84
%RSD	4.959	.9419	.3975	.3685	4.896	1.571	6.802
#1	13.91	338.3	19940.	19440.	-23.45	32.56	28.37
#2	14.92	333.9	20050.	19540.	-21.88	33.29	25.76
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	40.21	780.2	3446.	16.43
SDev	4.85	1.2	8.	2.02
%RSD	12.07	.1598	.2461	12.31
#1	36.78	779.3	3452.	17.86
#2	43.64	781.1	3440.	15.00
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18869	15000	--	--	--	--	--
SDev	55.15433	.0000000	--	--	--	--	--
%RSD	.2923013	.0000000	--	--	--	--	--
#1	18830	15000	--	--	--	--	--
#2	18908	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702071 #53 Operator:
Run Time: 04/22/95 17:07:21
Comment: SDG:MBNF79 ClientID:MBNF98 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-44.56	1470.	236.2	-.0052	51800.	568.8	45.52
SDev	.03	4.	1.1	.0020	618.	3.9	.58
%RSD	.0695	.2914	.4785	37.85	1.193	.6857	1.272
#1	L-44.58	1473.	237.0	-.0066	51370.	566.1	45.11
#2	L-44.54	1467.	235.4	-.0038	52240.	571.6	45.93
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.56	2858.	H295600.	5433.	2229.	2356.	25.48
SDev	.44	16.	1852.	62.	6.	15.	.64
%RSD	.7763	.5488	.6264	1.141	.2661	.6449	2.523
#1	56.25	2869.	H294300.	5477.	2224.	2345.	25.93
#2	56.87	2847.	H296900.	5389.	2233.	2367.	25.02
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	77620.	106.8	9.877	L-52.95	H37310.	6299.	23.19
SDev	659.	.6	1.071	.1	400.	27.	.98
%RSD	.8485	.5942	10.84	.1863	1.072	.4255	4.235
#1	77160.	107.3	10.63	L-53.02	H37030.	6280.	23.89
#2	78090.	106.4	9.120	L-52.88	H37600.	6318.	22.50
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC High	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.623	168.4	6377.	6260.	-64.82	28.43	13.22
SDev	1.546	1.4	13.	34.	.11	2.38	2.66
%RSD	58.95	.8107	.2072	.5365	.1771	8.355	20.13
#1	-1.530	167.4	6368.	6236.	-64.91	30.11	11.34
#2	-3.716	169.4	6387.	6284.	-64.74	26.75	15.10
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	28.17	65.21	473.8	11.24
SDev	2.80	6.01	2.2	.31
%RSD	9.943	9.221	.4565	2.776
#1	30.15	60.96	472.3	11.46
#2	26.19	69.46	475.3	11.02
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18602	15000	--	--	--	--	--
SDev	2.828427	.0000000	--	--	--	--	--
%RSD	.0152050	.0000000	--	--	--	--	--
#1	18604	15000	--	--	--	--	--
#2	18600	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 699549 #54 Operator:
Run Time: 04/22/95 17:12:43
Comment: SDG:203828 ClientID:C44SF7006 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.419	23170.	152.1	.6363	10640.	.3385	25.31
SDev	.136	24.	.1	.0018	10.	.0375	.03
%RSD	1.836	.1053	.0837	.2829	.0965	11.07	.1096
#1	-7.323	23160.	152.0	.6376	10650.	.3120	25.33
#2	-7.516	23190.	152.2	.6350	10640.	.3650	25.29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34.23	31.22	45280.	8150.	13660.	789.6	.2023
SDev	.07	.15	14.	16.	12.	.3	.6036
%RSD	.1999	.4679	.0315	.1952	.0892	.0428	298.4
#1	34.28	31.12	45290.	8139.	13650.	789.8	.6291
#2	34.18	31.32	45270.	8162.	13670.	789.3	L-.2245
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2930.	19.14	-3.718	71.50	211.6	11.64	3.861
SDev	202.	.22	5.678	.04	4.7	.15	1.486
%RSD	6.897	1.127	152.7	.0536	2.233	1.314	38.49
#1	-2787.	19.29	-7.733	71.48	214.9	11.75	4.912
#2	-3073.	18.99	.2974	71.53	208.2	11.53	2.810
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1141	-1.220	18.65	8.138	-.9321	.2936	-9.570
SDev	.5303	2.812	.88	.668	1.0871	.2523	4.787
%RSD	464.6	230.5	4.717	8.214	116.6	85.92	50.02
#1	.2608	-3.208	18.02	8.610	-.1634	.4720	-12.95
#2	-.4891	.7687	19.27	7.665	-1.701	.1152	-6.185
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	10.57	3355.	L-2.457	L-5.797
SDev	4.62	2.	.008	.990
%RSD	43.71	.0688	.3318	17.08
#1	13.83	3353.	L-2.463	L-6.497
#2	7.301	3356.	L-2.451	L-5.097

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19752	15000	--	--	--	--	--
SDev	37.47666	.0000000	--	--	--	--	--
%RSD	.1897408	.0000000	--	--	--	--	--
#1	19725	15000	--	--	--	--	--
#2	19778	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 698266 #55 Operator:
Run Time: 04/22/95 17:18:06
Comment: SDG:203828 ClientID:C44SF7006D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.237	18170.	125.0	.4216	7726.	.1935	19.37
SDev	.062	9.	.0	.0035	23.	.0876	.11
%RSD	.9924	.0521	.0026	.8330	.2930	45.29	.5800
#1	-6.281	18180.	125.0	.4191	7710.	.2555	19.29
#2	-6.194	18170.	125.0	.4241	7742.	.1315	19.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	28.21	23.84	36240.	6439.	11170.	617.8	.2080
SDev	.00	.20	61.	13.	7.	.9	.2090
%RSD	.0072	.8182	.1680	.2096	.0643	.1379	100.5
#1	28.21	23.97	36200.	6449.	11170.	617.2	.0602
#2	28.21	23.70	36280.	6430.	11160.	618.4	.3558
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1759.	15.54	-5.773	58.30	147.4	8.552	.9372
SDev	155.	.11	2.547	.04	3.8	.281	1.119
%RSD	8.794	.6764	44.12	.0723	2.609	3.287	119.4
#1	-1650.	15.61	-3.972	58.27	150.1	8.354	1.728
#2	-1868.	15.46	-7.574	58.33	144.7	8.751	.1461
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2558	-.5993	15.65	5.007	-1.523	1.144	-11.55
SDev	.1298	.0920	.54	.691	2.442	1.025	.62
%RSD	50.73	15.36	3.444	13.79	160.3	89.61	5.380
#1	.3476	-.6644	16.03	4.518	.2034	.4190	-11.11
#2	.1640	-.5342	15.27	5.495	-3.250	1.868	-11.99
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	7.173	2685.	L-2.163	L-4.554
SDev	1.367	4.	1.073	.849
%RSD	19.06	.1568	49.63	18.65
#1	8.140	2682.	L-2.922	L-3.953
#2	6.206	2688.	L-1.404	L-5.154
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19609	15000	--	--	--	--	--
SDev	25.45585	.0000000	--	--	--	--	--
%RSD	.1298171	.0000000	--	--	--	--	--
#1	19591	15000	--	--	--	--	--
#2	19627	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 698265 #56 Operator:
Run Time: 04/22/95 17:23:29
Comment: SDG:203828 ClientID:C44SF7006S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	39.79	19250.	2064.	43.56	8406.	45.68	479.2
SDev	.25	28.	1.	.11	36.	.27	.4
%RSD	.6223	.1475	.0447	.2621	.4282	.5845	.0822
#1	39.97	19270.	2065.	43.47	8381.	45.49	478.9
#2	39.62	19230.	2064.	43.64	8432.	45.87	479.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	212.7	269.4	36150.	6936.	11890.	1119.	L-.2214
SDev	.7	.4	75.	37.	13.	2.	1.4831
%RSD	.3207	.1332	.2082	.5390	.1103	.1747	669.8
#1	212.2	269.7	36090.	6963.	11900.	1117.	.8273
#2	213.2	269.2	36200.	6910.	11880.	1120.	L-1.270
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1923.	479.8	1817.	522.2	614.4	464.3	1643.
SDev	131.	.3	5.	.0	.9	2.7	1.
%RSD	6.796	.0551	.2908	.0030	.1469	.5903	.0576
#1	-2016.	479.6	1821.	522.2	615.0	462.4	1644.
#2	-1831.	480.0	1814.	522.2	613.7	466.2	1643.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	331.3	1776.	473.9	459.5	326.8	333.5	1643.
SDev	.8	5.	.6	4.4	3.3	.5	8.
%RSD	.2359	.2637	.1242	.9583	1.014	.1446	.5141
#1	330.7	1779.	474.4	456.4	324.5	333.8	1637.
#2	331.8	1773.	473.5	462.6	329.2	333.1	1648.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1644.	2837.	L-4.578	L-4.528
SDev	6.	5.	3.190	.112
%RSD	.3429	.1654	69.68	2.470
#1	1648.	2834.	L-2.323	L-4.607
#2	1640.	2840.	L-6.834	L-4.449

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19654	15000	--	--	--	--	--
SDev	23.33452	.0000000	--	--	--	--	--
%RSD	.1187296	.0000000	--	--	--	--	--
#1	19637	15000	--	--	--	--	--
#2	19670	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: SDI699549 #57 Operator:
Run Time: 04/22/95 17:28:52
Comment: SDG:203828 ClientID:C44SF7006L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.593	4730.	31.80	-.0113	2208.	-.3286	5.435
SDev	.043	.	.05	.0082	5.	.0671	.189
%RSD	2.720	.0094	.1482	72.30	.2385	20.42	3.479
#1	-1.563	4730.	31.83	-.0171	2204.	-.3760	5.301
#2	-1.624	4729.	31.76	-.0055	2212.	-.2811	5.569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.850	5.440	9322.	1492.	2799.	163.0	.3914
SDev	.188	.036	11.	2.	2.	.0	.2222
%RSD	2.741	.6676	.1213	.1162	.0589	.0081	56.78
#1	6.982	5.466	9314.	1493.	2798.	163.0	.2342
#2	6.717	5.414	9330.	1491.	2801.	163.0	.5485
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	105.6	3.643	-1.088	14.64	45.91	2.336	2.881
SDev	97.0	.000	1.460	.09	2.74	.351	.952
%RSD	91.85	.0006	134.2	.6177	5.971	15.01	33.06
#1	174.1	3.643	-.0554	14.57	47.85	2.088	2.207
#2	37.00	3.643	-2.120	14.70	43.97	2.584	3.554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.6297	1.451	5.767	.6230	-1.918	.0127	-4.155
SDev	.3913	3.652	.443	.3049	.669	.2528	1.979
%RSD	62.13	251.7	7.674	48.94	34.86	1992.	47.64
#1	-.3531	4.033	5.454	.4074	-1.445	.1915	-5.555
#2	-.9064	-1.131	6.080	.8385	-2.391	-.1661	-2.755
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	6.393	686.3	L-3.012	L-1.321
SDev	.439	1.4	.443	1.049
%RSD	6.873	.1969	14.71	79.38
#1	6.082	685.3	L-2.699	L-.5794
#2	6.703	687.2	L-3.326	L-2.062
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19632	15000	--	--	--	--	--
SDev	57.27565	.0000000	--	--	--	--	--
%RSD	.2917390	.0000000	--	--	--	--	--
#1	19592	15000	--	--	--	--	--
#2	19673	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 05:39:33 PM page 1

Method: CLPSUE Sample Name: 698264 #58 Operator:
Run Time: 04/22/95 17:34:15
Comment: SDG:203828 ClientID:C44SI2002 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.006	24220.	172.2	.6105	11130.	.5102	26.07
SDev	.025	12.	.3	.0078	23.	.1815	.00
%RSD	.3093	.0510	.1814	1.284	.2100	35.58	.0066
#1	-8.023	24220.	172.4	.6049	11120.	.3819	26.07
#2	-7.988	24230.	171.9	.6160	11150.	.6386	26.07
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	43.25	32.56	47770.	8234.	14800.	780.2	.1478
SDev	.06	.01	43.	14.	11.	.8	.2894
%RSD	.1396	.0345	.0905	.1701	.0725	.1074	195.8
#1	43.21	32.57	47740.	8244.	14790.	779.6	L-.0569
#2	43.29	32.55	47810.	8224.	14810.	780.8	.3525
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3187.	25.21	-3.255	71.23	155.1	11.50	4.002
SDev	121.	.04	1.992	.03	.4	.00	1.407
%RSD	3.795	.1587	61.19	.0411	.2683	.0119	35.15
#1	-3101.	25.24	-1.846	71.21	154.8	11.50	3.007
#2	-3272.	25.18	-4.663	71.25	155.4	11.50	4.996
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4556	.5951	20.00	7.261	-1.949	.2892	-4.323
SDev	.0757	2.830	.38	.188	1.576	.6734	.300
%RSD	16.62	475.5	1.907	2.594	80.88	232.9	6.929
#1	-.4021	-1.406	19.73	7.394	-.8341	-.1870	-4.111
#2	-.5091	2.596	20.27	7.127	-3.063	.7654	-4.535
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

High NOCHECK 3359. 47.95 L-5.890 95 05:39:33 PM

Low 3360. L-6.831 1.591

LC Pass L-3.371 27.02

10000. L-4.765

.0000 LC Low L-7.015

10000.

.0000 LC Low

10000.

.0000

page

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19550	15000	--	--	--	--	--
SDev	8.485281	.0000000	--	--	--	--	--
%RSD	.0434030	.0000000	--	--	--	--	--
#1	19556	15000	--	--	--	--	--
#2	19544	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 698268 #59 Operator:
Run Time: 04/22/95 17:39:38
Comment: SDG:203828 ClientID:C44SI202D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.763	21530.	188.5	.5004	9636.	.2290	22.01
SDev	.074	4.	.3	.0094	7.	.0554	.1
%RSD	1.098	.0182	.1794	1.884	.0757	24.17	.4533
#1	-6.710	21530.	188.3	.5071	9641.	.2681	22.08
#2	-6.815	21530.	188.8	.4937	9631.	.1899	21.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	35.92	26.70	40490.	7615.	12850.	662.1	.2159
SDev	.38	.21	30.	2.	8.	.2	.2265
%RSD	1.050	.7897	.0742	.0295	.0587	.0291	104.9
#1	36.19	26.55	40510.	7614.	12850.	662.2	.0558
#2	35.66	26.85	40460.	7617.	12840.	661.9	.3761
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2244.	21.49	-3.993	62.45	126.9	10.97	2.519
SDev	157.	.00	3.619	.11	.4	1.14	2.966
%RSD	7.003	.0002	90.63	.1765	.3066	10.39	117.7
#1	-2133.	21.48	-6.552	62.38	127.1	11.77	.4220
#2	-2355.	21.49	-1.434	62.53	126.6	10.16	4.616
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4431	-1.057	18.91	7.003	-2.277	.4719	-10.58
SDev	.4445	.579	.33	1.545	1.596	.1302	1.12
%RSD	100.3	54.74	1.729	22.06	70.07	27.60	10.58
#1	-.7574	-1.467	19.14	8.096	-3.405	.5640	-11.37
#2	-.1288	-.6481	18.67	5.911	-1.149	.3798	-9.788
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	9.058	2974.	L-1.344	L-3.871
SDev	3.888	3.	2.634	.275
%RSD	42.92	.0902	196.1	7.111
#1	6.309	2972.	L-3.206	L-3.677
#2	11.81	2976.	.5191	L-4.066
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19367	15000	--	--	--	--	--
SDev	45.25483	.0000000	--	--	--	--	--
%RSD	.2336698	.0000000	--	--	--	--	--
#1	19335	15000	--	--	--	--	--
#2	19399	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 699547 #60 Operator:
Run Time: 04/22/95 17:45:01
Comment: SDG:203828 ClientID:C44SF7001 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.050	24190.	175.6	.6888	12650.	1.215	24.64
SDev	.310	1.	.1	.0097	.	.188	.25
%RSD	3.845	.0035	.0812	1.408	.0017	15.44	.9948
#1	-7.831	24190.	175.5	.6957	12650.	1.347	24.82
#2	-8.268	24190.	175.7	.6820	12650.	1.082	24.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	32.54	79.13	46870.	9391.	13700.	804.6	1.930
SDev	.23	.13	19.	2.	4.	.1	.473
%RSD	.7195	.1649	.0414	.0206	.0311	.0173	24.48
#1	32.70	79.04	46860.	9389.	13700.	804.5	2.264
#2	32.37	79.22	46890.	9392.	13700.	804.7	1.596
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3209.	19.24	-2.190	76.08	170.1	152.1	4.272
SDev	125.	.24	3.997	.10	.5	.7	2.098
%RSD	3.898	1.233	182.5	.1374	.3070	.4825	49.11
#1	-3121.	19.41	.6360	76.15	170.5	151.6	5.755
#2	-3298.	19.08	-5.016	76.01	169.7	152.7	2.788
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9208	-.3276	160.5	148.0	.8612	.9501	-11.52
SDev	.4717	3.0671	.8	1.5	1.067	.1744	.58
%RSD	51.23	936.3	.4768	1.002	123.9	18.35	5.033
#1	1.254	1.841	161.0	146.9	1.616	1.073	-11.93
#2	.5873	-2.496	160.0	149.0	.1065	.8268	-11.11
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	12.15	3415.	L-3.851	L-4.668
SDev	3.43	1.	.606	2.804
%RSD	28.26	.0222	15.75	60.06
#1	14.58	3414.	L-3.422	L-2.685
#2	9.725	3415.	L-4.279	L-6.650
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19372	15000	--	--	--	--	--
SDev	38.89087	.0000000	--	--	--	--	--
%RSD	.2007634	.0000000	--	--	--	--	--
#1	19344	15000	--	--	--	--	--
#2	19399	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 05:55:42 PM page 1

Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/22/95 17:50:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.3	1909.	1022.	990.1	50200.	994.3	1019.
SDev	.3	3.	2.	2.8	205.	1.2	2.
%RSD	.2653	.1774	.2232	.2805	.4093	.1231	.2344
#1	100.1	1911.	1024.	988.1	50050.	993.5	1018.
#2	100.5	1907.	1020.	992.1	50340.	995.2	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	989.0	1020.	2098.	49740.	48210.	1011.	1002.
SDev	1.9	1.	8.	157.	1.	2.	6.
%RSD	.1949	.1315	.3600	.3158	.0031	.2053	.5949
#1	987.6	1019.	2092.	49850.	48210.	1009.	997.3
#2	990.3	1021.	2103.	49630.	48210.	1012.	1006.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49200.	1005.	1066.	986.8	2130.	1038.	1018.
SDev	51.	1.	4.	1.6	6.	3.	1.
%RSD	.1042	.1051	.3293	.1656	.2930	.3298	.1106
#1	49160.	1004.	1063.	985.7	2125.	1036.	1017.
#2	49230.	1006.	1068.	988.0	2134.	1041.	1019.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1001.	1011.	1050.	1032.	998.5	1003.	1024.
SDev	1.	3.	3.	3.	.0	1.	2.
%RSD	.0551	.3276	.3181	.3357	.0020	.0835	.2261
#1	1002.	1013.	1048.	1030.	998.5	1003.	1026.
#2	1001.	1008.	1053.	1035.	998.5	1002.	1023.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1015.	991.1	1003.	1036.
SDev	3.	2.2	10.	7.
%RSD	.2803	.2198	1.011	.6797
#1	1013.	989.6	1011.	1041.
#2	1017.	992.7	996.3	1031.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19240	15000	--	--	--	--	--
SDev	81.31728	.0000000	--	--	--	--	--
%RSD	.4226360	.0000000	--	--	--	--	--
#1	19183	15000	--	--	--	--	--
#2	19298	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/22/95 17:55:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0175	27.59	.1346	.0145	-5.435	-.0024	.3292
SDev	.0557	1.51	.0046	.0105	1.158	.0357	.3094
%RSD	318.2	5.472	3.406	72.30	21.30	1517.	93.97
#1	-.0569	28.66	.1313	.0071	-6.254	-.0276	.1105
#2	.0219	26.52	.1378	.0220	-4.616	.0229	.5480
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2735	-.5436	-.0133	-1.258	4.724	.0946	.3572
SDev	.2438	.1708	2.7836	1.825	.246	.0057	.4136
%RSD	89.13	31.43	20920.	145.0	5.206	6.042	115.8
#1	-.1011	-.6643	-1.982	.0321	4.550	.0906	.6496
#2	-.4459	-.4228	1.955	-2.549	4.897	.0987	.0647
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	113.0	-.0460	-.3206	.0508	4.088	.0723	-.5637
SDev	61.8	.1001	3.7772	.1300	.606	.5969	1.8029
%RSD	54.67	217.6	1178.	256.1	14.83	826.2	319.9
#1	156.7	-.1168	-2.991	-.0412	4.516	.4944	.7112
#2	69.33	.0248	2.350	.1427	3.659	-.3498	-1.839
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.007	.5501	2.184	-.9829	-.4255	1.722	-5.632
SDev	.225	1.329	.514	.6381	1.7446	1.208	2.061
%RSD	22.34	241.5	23.55	64.92	410.1	70.17	36.59
#1	.8483	-.3894	2.548	-.5317	.8082	.8677	-7.089
#2	1.167	1.490	1.821	-1.434	-1.659	2.577	-4.175
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1.966	-.9143	2.054	.9656
SDev	3.732	2.4696	.606	.8487
%RSD	189.8	270.1	29.53	87.89
#1	4.605	-2.661	2.483	1.566
#2	-.6727	.8320	1.625	.3655
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19738	15000	--	--	--	--	--
SDev	8.485281	.0000000	--	--	--	--	--
%RSD	.0429896	.0000000	--	--	--	--	--
#1	19732	15000	--	--	--	--	--
#2	19744	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 06:06:29 PM page 1

Method: CLPSUE Sample Name: 699548 #63 Operator:
Run Time: 04/22/95 18:01:11
Comment: SDG:203828 ClientID:C44SF701D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.314	22740.	163.5	.7082	11470.	1.170	23.56
SDev	.012	18.	.3	.0204	70.	.066	.14
%RSD	.1693	.0785	.1996	2.873	.6069	5.663	.5971
#1	-7.323	22720.	163.8	.7226	11420.	1.123	23.66
#2	-7.305	22750.	163.3	.6938	11520.	1.216	23.46
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	33.15	77.51	44050.	8767.	13810.	797.4	1.240
SDev	.11	.20	142.	49.	29.	2.6	.921
%RSD	.3392	.2606	.3217	.5578	.2114	.3206	74.30
#1	33.23	77.65	43950.	8801.	13780.	795.6	.5886
#2	33.07	77.36	44150.	8732.	13830.	799.2	1.891
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2624.	47.05	-2.325	68.42	163.1	130.1	6.042
SDev	116.	.28	1.155	.15	.2	.7	3.694
%RSD	4.422	.5890	49.68	.2208	.1498	.5457	61.14
#1	-2542.	47.25	-3.142	68.31	163.0	129.6	3.430
#2	-2706.	46.86	-1.508	68.52	163.3	130.6	8.654
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3446	-1.931	140.3	125.0	-2.034	.4982	-3.101
SDev	.9286	.334	2.1	2.1	.123	1.331	7.486
%RSD	269.5	17.30	1.467	1.674	6.039	267.1	241.4
#1	.3121	-1.694	141.7	123.5	-1.947	1.439	-8.394
#2	-1.001	-2.167	138.8	126.4	-2.121	-.4429	2.193
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	10.61	3139.	L-.8855	L-5.921
SDev	1.80	5.	.1496	2.814
%RSD	16.98	.1629	16.89	47.53
#1	9.332	3135.	L-.9913	L-7.911
#2	11.88	3142.	L-.7798	L-3.931
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19488	15000	--	--	--	--	--
SDev	28.99138	.0000000	--	--	--	--	--
%RSD	.1487615	.0000000	--	--	--	--	--
#1	19509	15000	--	--	--	--	--
#2	19468	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 699550 #64 Operator:
Run Time: 04/22/95 18:06:34
Comment: SDG:203828 ClientID:C44SH3001 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-12.04	45290.	525.7	1.160	30220.	9.542	44.47
SDev	.46	13.	2.0	.010	204.	.189	.84
%RSD	3.804	.0297	.3785	.8903	.6735	1.977	1.885
#1	L-11.72	45280.	524.2	1.167	30360.	9.676	45.06
#2	L-12.37	45300.	527.1	1.153	30070.	9.409	43.88
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	144.4	216.3	78600.	16570.	22070.	1256.	3.509
SDev	.9	.9	243.	74.	45.	4.	.151
%RSD	.6137	.4000	.3091	.4469	.2030	.3031	4.312
#1	145.1	215.7	78770.	16520.	22100.	1259.	3.402
#2	143.8	216.9	78430.	16620.	22040.	1254.	3.616
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-5479.	81.58	-2.380	114.3	771.9	595.7	8.081
SDev	174.	.42	2.166	.4	2.5	1.3	.592
%RSD	3.183	.5088	91.02	.3861	.3253	.2200	7.320
#1	L-5355.	81.88	-.8480	114.6	773.7	596.6	7.663
#2	L-5602.	81.29	-3.911	114.0	770.2	594.7	8.500
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.933	12.57	606.9	590.0	5.586	7.605	-2.200
SDev	.640	1.53	1.5	1.2	1.324	.299	3.454
%RSD	9.237	12.15	.2462	.2066	23.71	3.930	157.0
#1	6.480	11.49	608.0	590.9	4.649	7.393	.2430
#2	7.386	13.65	605.9	589.2	6.522	7.816	-4.642
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	13.21	5708.	L-6.510	L-10.15
SDev	2.61	6.	3.379	.94
%RSD	19.76	.1086	51.90	9.218
#1	11.37	5712.	L-4.121	L-10.81
#2	15.06	5703.	L-8.899	L-9.489

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19356	15000	--	--	--	--	--
SDev	51.61879	.0000000	--	--	--	--	--
%RSD	.2666742	.0000000	--	--	--	--	--
#1	19320	15000	--	--	--	--	--
#2	19393	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 06:17:15 PM page 1

Method: CLPSUE Sample Name: 699551 #65 Operator:
Run Time: 04/22/95 18:11:57
Comment: SDG:203828 ClientID:C44SH3003 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.080	20280.	140.2	.4185	11210.	-.0755	21.03
SDev	.043	6.	.1	.0157	17.	.1569	.23
%RSD	.5363	.0306	.0501	3.749	.1501	207.9	1.102
#1	-8.050	20280.	140.2	.4296	11200.	.0355	20.87
#2	-8.111	20280.	140.3	.4074	11220.	-.1865	21.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	32.75	28.94	37420.	6676.	11980.	608.8	.6689
SDev	.46	.12	6.	9.	.	.5	.5777
%RSD	1.415	.4152	.0165	.1361	.0029	.0780	86.36
#1	33.08	29.02	37420.	6682.	11980.	608.4	.2604
#2	32.42	28.85	37410.	6670.	11980.	609.1	1.077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1649.	19.69	-2.878	57.05	119.6	10.18	2.684
SDev	106.	.12	3.141	.18	.2	.86	1.032
%RSD	6.443	.5886	109.1	.3221	.2072	8.457	38.44
#1	-1574.	19.61	-.6575	56.92	119.4	9.571	1.955
#2	-1724.	19.77	-5.099	57.18	119.8	10.79	3.414
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0902	-2.330	17.43	6.560	-1.192	.4592	-7.709
SDev	.4016	1.332	2.00	.290	1.041	.0823	5.426
%RSD	445.5	57.15	11.50	4.422	87.37	17.93	70.38
#1	-.3742	-1.389	16.01	6.355	-1.928	.4010	-11.55
#2	.1939	-3.272	18.85	6.765	-.4555	.5174	-3.873
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	7.873	2738.	L-2.505	L-7.480
SDev	1.162	1.	.300	.861
%RSD	14.76	.0327	11.96	11.51
#1	8.694	2737.	L-2.293	L-6.872
#2	7.051	2739.	L-2.717	L-8.089
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19528	15000	--	--	--	--	--
SDev	30.40559	.0000000	--	--	--	--	--
%RSD	.1556985	.0000000	--	--	--	--	--
#1	19507	15000	--	--	--	--	--
#2	19550	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 699552 #66 Operator:
Run Time: 04/22/95 18:17:20
Comment: SDG:203828 ClientID:C44SI3001 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-10.29	54930.	555.5	1.332	33450.	8.997	53.14
SDev	.07	8.	1.5	.029	131.	.027	.09
%RSD	.6620	.0139	.2739	2.157	.3931	.2987	.1743
#1	L-10.24	54930.	556.6	1.312	33350.	8.978	53.21
#2	L-10.33	54920.	554.5	1.353	33540.	9.016	53.08
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	197.4	106.2	79600.	17770.	23820.	1112.	2.972
SDev	.7	.1	172.	22.	9.	2.	.016
%RSD	.3488	.0637	.2166	.1225	.0379	.1885	.5248
#1	196.9	106.1	79480.	17790.	23810.	1110.	2.961
#2	197.9	106.2	79720.	17760.	23820.	1113.	2.983
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-6130.	78.92	-2.096	121.5	636.6	707.2	3.787
SDev	16.	.22	2.453	.4	.7	.3	2.858
%RSD	.2614	.2802	117.1	.3123	.1137	.0455	75.48
#1	L-6118.	78.77	-.3610	121.2	636.1	707.4	1.766
#2	L-6141.	79.08	-3.831	121.7	637.1	707.0	5.808
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.153	5.854	724.2	698.7	4.319	7.068	-6.341
SDev	.575	2.533	.6	.2	2.824	.548	4.976
%RSD	9.344	43.28	.0840	.0255	65.40	7.755	78.47
#1	6.559	7.645	724.6	698.8	6.316	6.680	-9.859
#2	5.746	4.062	723.8	698.6	2.321	7.456	-2.823
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	8.843	6275.	L-6.494	L-8.894
SDev	1.801	6.	1.075	.704
%RSD	20.37	.0979	16.55	7.910
#1	7.569	6270.	L-7.254	L-8.397
#2	10.12	6279.	L-5.733	L-9.392
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19703	15000	--	--	--	--	--
SDev	28.28427	.0000000	--	--	--	--	--
%RSD	.1435531	.0000000	--	--	--	--	--
#1	19683	15000	--	--	--	--	--
#2	19723	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 699553 #67 Operator:
Run Time: 04/22/95 18:22:43
Comment: SDG:203828 ClientID:C44SI3003 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.483	21070.	129.0	.5570	16990.	.3176	24.43
SDev	.062	10.	.3	.0071	75.	.1242	.11
%RSD	.9549	.0494	.2312	1.269	.4444	39.10	.4568
#1	-6.439	21080.	129.2	.5520	16930.	.2298	24.51
#2	-6.526	21060.	128.8	.5620	17040.	.4053	24.35
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	33.93	28.21	38630.	6437.	11750.	634.5	.2124
SDev	.31	.20	75.	35.	11.	1.8	1.010
%RSD	.9277	.7130	.1939	.5409	.0934	.2879	475.4
#1	34.16	28.35	38580.	6462.	11750.	633.2	L-.5016
#2	33.71	28.07	38680.	6412.	11760.	635.8	.9264
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2017.	18.96	-1.470	60.69	115.6	9.741	2.704
SDev	108.	.03	1.970	.42	.5	.125	1.566
%RSD	5.350	.1324	134.0	.6977	.4308	1.285	57.94
#1	-1941.	18.98	-.0770	60.40	115.2	9.652	1.596
#2	-2094.	18.94	-2.863	60.99	115.9	9.830	3.811
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1017	-5.033	17.80	5.719	-.6001	.1466	-7.789
SDev	.5190	.158	.84	.229	.5948	1.075	1.148
%RSD	510.3	3.140	4.692	4.008	99.12	733.4	14.74
#1	.2653	-5.145	17.21	5.881	-1.021	.9067	-8.601
#2	-.4687	-4.921	18.39	5.557	-.1795	-.6136	-6.978
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	7.942	2693.	L-4.656	L-4.634
SDev	1.775	7.	1.962	.251
%RSD	22.35	.2493	42.15	5.417
#1	6.686	2688.	L-3.268	L-4.456
#2	9.197	2697.	L-6.044	L-4.811
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19910	15000	--	--	--	--	--
SDev	26.16295	.0000000	--	--	--	--	--
%RSD	.1314094	.0000000	--	--	--	--	--
#1	19928	15000	--	--	--	--	--
#2	19891	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703221 #68 Operator:
Run Time: 04/22/95 18:28:07
Comment: SDG:203828 ClientID:44A13E001 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.282	32360.	350.6	1.035	18500.	14.55	33.11
SDev	.155	1.	.3	.009	26.	.03	.03
%RSD	1.869	.0032	.0875	.9067	.1391	.2281	.0792
#1	-8.172	32360.	350.4	1.042	18480.	14.53	33.13
#2	-8.391	32360.	350.9	1.028	18520.	14.57	33.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	88.44	122.5	60520.	12330.	17160.	1142.	3.582
SDev	.14	.2	34.	14.	7.	1.	.150
%RSD	.1606	.1472	.0565	.1146	.0404	.0629	4.191
#1	88.54	122.4	60500.	12340.	17170.	1142.	3.688
#2	88.34	122.7	60550.	12320.	17160.	1143.	3.476
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3531.	44.99	1.496	89.08	634.2	260.9	5.530
SDev	79.	.05	1.152	.15	.5	1.4	2.655
%RSD	2.240	.1182	77.03	.1695	.0798	.5555	48.01
#1	-3475.	44.95	2.311	89.18	634.5	259.9	3.652
#2	-3587.	45.03	.6811	88.97	633.8	261.9	7.407
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.074	.3019	271.0	255.8	2.720	3.251	-3.936
SDev	.003	1.507	1.9	1.2	1.909	.958	.325
%RSD	.1088	499.2	.6966	.4808	70.20	29.48	8.268
#1	3.077	1.368	269.7	255.0	1.370	3.928	-4.166
#2	3.072	-.7638	272.3	256.7	4.070	2.573	-3.705
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	10.25	4046.	1.592	L-6.382
SDev	3.82	4.	3.065	2.342
%RSD	37.23	.0877	192.6	36.70
#1	7.555	4044.	L-.5758	L-4.726
#2	12.95	4049.	3.759	L-8.038
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19530	15000	--	--	--	--	--
SDev	39.59798	.0000000	--	--	--	--	--
%RSD	.2027546	.0000000	--	--	--	--	--
#1	19502	15000	--	--	--	--	--
#2	19558	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703222 #69 Operator:
Run Time: 04/22/95 18:33:29
Comment: SDG:203828 ClientID:44A13E004 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-10.81	32420.	231.2	.9544	16230.	2.917	31.25
SDev	.07	11.	.2	.0156	21.	.048	.20
%RSD	.6298	.0337	.0865	1.637	.1322	1.646	.6321
#1	L-10.76	32430.	231.1	.9655	16220.	2.951	31.39
#2	L-10.86	32410.	231.3	.9434	16250.	2.883	31.11
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.79	57.02	63790.	11530.	18130.	993.2	5.217
SDev	.03	.27	36.	19.	7.	.4	.354
%RSD	.0505	.4736	.0566	.1627	.0403	.0416	6.789
#1	56.77	56.83	63760.	11550.	18140.	992.9	4.967
#2	56.81	57.21	63810.	11520.	18130.	993.5	5.467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-4016.	30.78	.7501	98.55	269.0	64.12	1.888
SDev	142.	.25	4.766	.28	.1	.35	2.659
%RSD	3.545	.8053	635.4	.2800	.0435	.5428	140.8
#1	-4117.	30.60	4.120	98.75	269.0	63.88	3.769
#2	-3915.	30.95	-2.620	98.36	268.9	64.37	.0077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4480	2.123	72.58	59.90	-2.390	.5211	-9.375
SDev	1.2684	4.252	.70	.87	1.011	1.397	4.425
%RSD	283.2	200.3	.9585	1.451	42.30	268.1	47.20
#1	-1.345	5.130	73.07	59.28	-3.105	-.4667	-6.246
#2	.4489	-.8840	72.09	60.51	-1.675	1.509	-12.50
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	7.511	4211.	L-2.919	L-5.078
SDev	1.778	3.	1.233	.153
%RSD	23.67	.0671	42.23	3.012
#1	8.768	4209.	L-3.790	L-5.187
#2	6.254	4213.	L-2.047	L-4.970

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19650	15000	--	--	--	--	--
SDev	58.68986	.0000000	--	--	--	--	--
%RSD	.2986837	.0000000	--	--	--	--	--
#1	19608	15000	--	--	--	--	--
#2	19691	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703223 #70 Operator:
Run Time: 04/22/95 18:38:52
Comment: SDG:203828 ClientID:44FFG7004 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.955	18940.	136.5	.4167	7451.	-.2339	18.61
SDev	.099	12.	.5	.0099	61.	.2186	.01
%RSD	1.424	.0626	.3890	2.384	.8155	93.45	.0457
#1	-7.025	18940.	136.9	.4097	7408.	-.0793	18.62
#2	-6.885	18930.	136.1	.4238	7494.	-.3885	18.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.13	18.65	36180.	7905.	10960.	647.0	.5559
SDev	.11	.16	145.	45.	15.	3.0	.2210
%RSD	.5014	.8704	.4010	.5677	.1398	.4588	39.76
#1	22.05	18.77	36070.	7936.	10950.	644.9	.7122
#2	22.21	18.54	36280.	7873.	10970.	649.1	.3996
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1895.	12.61	-2.476	58.36	123.4	8.995	-.0801
SDev	15.	.62	.024	.16	.9	.378	.1715
%RSD	.7909	4.902	.9742	.2812	.7629	4.198	214.2
#1	-1906.	13.05	-2.493	58.24	122.7	8.728	-.2014
#2	-1885.	12.18	-2.459	58.47	124.0	9.262	.0412
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4285	-2.111	15.42	5.786	-.9528	1.118	-11.31
SDev	.3886	2.984	.30	.414	.9304	.118	.17
%RSD	90.69	141.4	1.973	7.159	97.65	10.57	1.476
#1	.1537	-.0007	15.20	5.493	-1.611	1.034	-11.43
#2	.7033	-4.221	15.64	6.079	-.2949	1.201	-11.19
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	5.525	2752.	L-2.030	L-6.176
SDev	.174	7.	2.131	.569
%RSD	3.147	.2590	105.0	9.209
#1	5.402	2747.	L-3.536	L-6.578
#2	5.648	2757.	L-.5228	L-5.773

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19737	15000	--	--	--	--	--
SDev	42.42641	.0000000	--	--	--	--	--
%RSD	.2149587	.0000000	--	--	--	--	--
#1	19707	15000	--	--	--	--	--
#2	19767	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703224 #71 Operator:
Run Time: 04/22/95 18:44:15
Comment: SDG:203828 ClientID:44SEF7001 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.912	26420.	191.5	.7350	12940.	2.168	26.71
SDev	.155	3.	.6	.0078	52.	.019	.18
%RSD	1.737	.0131	.2993	1.058	.3999	.8704	.6661
#1	-8.802	26410.	191.9	.7295	12900.	2.181	26.58
#2	-9.021	26420.	191.1	.7405	12980.	2.154	26.83
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	38.02	176.5	51470.	10430.	15010.	821.9	.8472
SDev	.19	.3	91.	17.	5.	1.4	.3025
%RSD	.4965	.1708	.1761	.1618	.0326	.1711	35.70
#1	37.89	176.7	51410.	10440.	15000.	820.9	.6333
#2	38.15	176.3	51540.	10420.	15010.	822.9	1.061
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3122.	20.99	-.6985	82.18	291.8	390.0	5.840
SDev	103.	.18	.7474	.47	.4	1.7	.136
%RSD	3.314	.8503	107.0	.5681	.1288	.4456	2.322
#1	-3049.	21.12	-1.227	81.85	291.6	388.8	5.936
#2	-3195.	20.87	-.1700	82.51	292.1	391.2	5.744
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.587	-1.049	399.4	385.3	.9923	3.383	.2216
SDev	1.512	2.059	1.7	3.5	2.554	.992	3.737
%RSD	58.43	196.4	.4342	.9010	257.3	29.31	1686.
#1	1.518	-2.504	400.7	382.8	-.8133	2.682	2.864
#2	3.656	.4073	398.2	387.7	2.798	4.084	-2.421
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	8.645	3624.	L-8.556	L-7.060
SDev	1.662	5.	1.349	1.168
%RSD	19.23	.1445	15.76	16.54
#1	7.469	3621.	L-7.603	L-6.234
#2	9.820	3628.	L-9.510	L-7.886
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19766	15000	--	--	--	--	--
SDev	26.87006	.0000000	--	--	--	--	--
%RSD	.1359408	.0000000	--	--	--	--	--
#1	19747	15000	--	--	--	--	--
#2	19785	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703226 #72 Operator:
Run Time: 04/22/95 18:49:38
Comment: SDG:203828 ClientID:44EFF7005 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.576	20020.	146.1	.5310	9581.	-.0624	20.03
SDev	.229	21.	.2	.0035	31.	.1852	.13
%RSD	4.107	.1048	.1343	.6674	.3226	296.9	.6301
#1	-5.415	20010.	145.9	.5336	9602.	.0686	20.12
#2	-5.738	20040.	146.2	.5285	9559.	-.1933	19.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	21.10	24.67	32860.	8610.	11270.	560.3	.6824
SDev	.17	.24	60.	29.	10.	.9	.8263
%RSD	.7918	.9731	.1830	.3342	.0899	.1587	121.1
#1	21.22	24.50	32900.	8589.	11270.	560.9	1.267
#2	20.98	24.84	32810.	8630.	11260.	559.7	.0981
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1963.	12.70	-7.791	54.84	132.2	7.316	1.224
SDev	190.	.12	2.865	.25	.0	.591	.832
%RSD	9.669	.9772	36.77	.4646	.0058	8.083	67.94
#1	-1829.	12.61	-9.817	55.02	132.2	6.898	1.812
#2	-2097.	12.79	-5.766	54.66	132.2	7.734	.6359
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.8232	-2.090	15.88	3.037	-2.894	.2099	-10.72
SDev	.7249	2.253	.35	.714	1.881	.1477	4.99
%RSD	88.06	107.8	2.180	23.50	65.00	70.36	46.51
#1	-1.336	-.4975	15.64	2.532	-4.224	.1055	-7.194
#2	-.3106	-3.683	16.13	3.542	-1.564	.3143	-14.24
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	7.186	2982.	L-5.686	L-4.940
SDev	1.242	2.	3.532	.492
%RSD	17.29	.0515	62.11	9.968
#1	6.308	2983.	L-3.189	L-5.289
#2	8.064	2981.	L-8.184	L-4.592

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19410	15000	--	--	--	--	--
SDev	36.76955	.0000000	--	--	--	--	--
%RSD	.1894361	.0000000	--	--	--	--	--
#1	19384	15000	--	--	--	--	--
#2	19436	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/22/95 18:55:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.48	1912.	1018.	984.4	49850.	987.7	1016.
SDev	.21	4.	2.	.9	78.	2.9	.
%RSD	.2116	.2253	.2313	.0909	.1558	.2916	.0266
#1	99.33	1909.	1017.	985.0	49910.	989.7	1016.
#2	99.63	1915.	1020.	983.8	49800.	985.7	1015.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	984.4	1017.	2084.	50070.	48210.	1006.	996.3
SDev	1.9	2.	1.	136.	36.	1.	.7
%RSD	.1882	.1744	.0382	.2708	.0740	.0834	.0673
#1	985.7	1016.	2085.	49970.	48230.	1007.	995.8
#2	983.1	1018.	2083.	50160.	48180.	1006.	996.8
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49330.	998.0	1062.	984.9	2120.	1035.	1019.
SDev	51.	.5	5.	1.2	3.	1.	3.
%RSD	.1030	.0464	.4838	.1232	.1325	.0756	.3058
#1	49300.	998.3	1059.	985.8	2122.	1036.	1016.
#2	49370.	997.6	1066.	984.1	2118.	1035.	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1001.	1015.	1045.	1031.	996.3	1004.	1019.
SDev	1.	4.	5.	1.	4.7	1.	3.
%RSD	.1154	.4028	.4362	.1069	.4740	.0622	.2674
#1	1000.	1018.	1048.	1030.	993.0	1004.	1020.
#2	1002.	1013.	1042.	1032.	999.7	1003.	1017.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1018.	992.6	1007.	1038.
SDev	6.	1.3	1.	1.
%RSD	.5920	.1276	.9461	.0545
#1	1014.	991.7	1014.	1038.
#2	1023.	993.5	1001.	1039.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19120	15000	--	--	--	--	--
SDev	20.50610	.0000000	--	--	--	--	--
%RSD	.1072523	.0000000	--	--	--	--	--
#1	19105	15000	--	--	--	--	--
#2	19134	15000	--	--	--	--	--

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Analysis Report QC Standard Sat 04-22-95 07:05:44 PM page 1

Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/22/95 19:00:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0700	39.28	.1287	-.0603	-9.654	-.0560	.3306
SDev	.1176	.36	.0488	.0458	1.783	.0081	.2727
%RSD	167.9	.9183	37.96	76.08	18.47	14.39	82.46
#1	-.0131	39.02	.0941	-.0927	-10.91	-.0617	.1379
#2	.1532	39.53	.1632	-.0278	-8.393	-.0503	.5234
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0335	-.6607	-6.944	.9860	3.732	.1401	.4524
SDev	.0815	.0604	1.403	5.094	1.768	.0059	.6724
%RSD	243.4	9.150	20.20	516.7	47.36	4.189	148.6
#1	-.0912	-.7034	-7.936	-2.616	2.483	.1442	.9279
#2	.0242	-.6179	-5.952	4.588	4.982	.1359	-.0230
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	94.12	-.2492	.3772	.2950	1.718	.6014	1.064
SDev	40.69	.1980	3.225	.0763	.348	.1211	.464
%RSD	43.23	79.45	855.1	25.87	20.26	20.13	43.55
#1	65.35	-.3893	2.658	.2410	1.964	.6871	1.392
#2	122.9	-.1092	-1.904	.3489	1.472	.5158	.7367
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8702	.5421	1.890	-.0425	-1.043	1.825	-3.537
SDev	.0751	1.574	.017	.1730	2.329	1.050	.060
%RSD	8.627	290.3	.9036	406.8	223.2	57.54	1.693
#1	.8171	-.5708	1.902	.0798	-2.690	2.567	-3.579
#2	.9233	1.655	1.878	-.1649	.6032	1.082	-3.494
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	3.361	-2.912	-.5357	.6321
SDev	.725	.191	.6106	1.185
%RSD	21.57	6.552	114.0	187.5
#1	3.874	-2.777	-.1040	-.2061
#2	2.848	-3.047	-.9674	1.470
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19601	15000	--	--	--	--	--
SDev	1.414214	.0000000	--	--	--	--	--
%RSD	.0072150	.0000000	--	--	--	--	--
#1	19600	15000	--	--	--	--	--
#2	19602	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CRI Operator:
Run Time: 04/22/95 19:05:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	17.17	33.98	.2488	10.18	10.60	10.09	101.5
SDev	.37	1.69	.0452	.02	.10	.08	.3
%RSD	2.163	4.977	18.16	.1511	.9446	.7941	.2574
#1	17.43	35.18	.2807	10.17	10.67	10.15	101.3
#2	16.91	32.79	.2168	10.19	10.53	10.03	101.7
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.90	52.04	4.243	6.137	10.83	31.37	46.91
SDev	.07	.11	2.032	11.05	1.49	.01	.53
%RSD	.3419	.2109	47.89	180.1	13.76	.0380	1.122
#1	19.94	52.12	2.806	13.95	11.89	31.36	46.53
#2	19.85	51.97	5.680	-1.679	9.777	31.38	47.28
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				30.00	
Range		50.00				50.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	160.3	81.39	19.90	101.2	45.65	6.228	11.50
SDev	176.1	.20	.39	.1	.14	.172	3.76
%RSD	109.8	.2485	1.935	.0667	.3175	2.755	32.71
#1	284.8	81.54	19.62	101.1	45.76	6.107	8.839
#2	35.81	81.25	20.17	101.2	45.55	6.349	14.16
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	123.2	20.35	7.436	5.624	119.6	125.1	7.846
SDev	1.5	2.69	1.788	1.150	.4	2.1	7.955
%RSD	1.252	13.23	24.05	20.45	.3742	1.671	101.4
#1	122.1	22.25	8.700	4.811	119.3	123.6	2.221
#2	124.3	18.45	6.171	6.437	119.9	126.5	13.47
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	13.32	25.83	49.38	295.4
SDev	1.67	.16	2.15	.1
%RSD	12.51	.6360	4.362	.0443
#1	12.14	25.95	47.86	295.3
#2	14.50	25.72	50.90	295.5
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20249	15000	--	--	--	--	--
SDev	26.87006	.0000000	--	--	--	--	--
%RSD	.1326982	.0000000	--	--	--	--	--
#1	20230	15000	--	--	--	--	--
#2	20268	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 07:16:29 PM page 1

Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 04/22/95 19:11:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-32.02	543200.	-.7138	-.0248	448700.	13.76	.3184
SDev	.01	518.	.0293	.0083	627.	.31	.2157
%RSD	.0193	.0954	4.105	33.64	.1397	2.262	67.74
#1	-32.02	542900.	-.6931	-.0189	448200.	13.98	.1659
#2	-32.03	543600.	-.7346	-.0306	449100.	13.54	.4710
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.94	-9.071	200500.	5.958	507500.	-88.53	.4103
SDev	.86	.187	192.	8.746	848.	.11	.1545
%RSD	4.532	2.064	.0959	146.8	.1672	.1284	37.65
#1	19.55	-9.203	200400.	12.14	506900.	-88.45	.5195
#2	18.33	-8.939	200700.	-.2265	508100.	-88.61	.3011
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	20.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	322.9	-5.927	.1769	-81.54	.1716	5.597	4.525
SDev	108.2	.060	7.075	.05	.2433	2.674	2.879
%RSD	33.50	1.014	3999.	.0647	141.8	47.78	63.63
#1	399.4	-5.884	-4.826	-81.58	.3436	3.706	6.561
#2	246.4	-5.969	5.179	-81.51	-.0005	7.488	2.489
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.167	-2.370	15.83	.4891	-8.622	-.4448	.6526
SDev	.563	.613	3.17	5.593	.715	.4876	4.745
%RSD	17.78	25.86	20.03	1143.	8.290	109.6	727.2
#1	-2.769	-1.936	18.07	-3.465	-8.117	-.1001	-2.703
#2	-3.566	-2.803	13.59	4.444	-9.128	-.7896	4.008
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	6.458	13.70	-10.12	6.684
SDev	6.686	2.42	2.51	.291
%RSD	103.5	17.69	24.84	4.356
#1	11.19	11.98	-11.89	6.890
#2	1.730	15.41	-8.339	6.478
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17886	15000	--	--	--	--	--
SDev	3.535534	.0000000	--	--	--	--	--
%RSD	.0197665	.0000000	--	--	--	--	--
#1	17884	15000	--	--	--	--	--
#2	17889	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 04/22/95 19:16:34
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	966.3	542100.	515.0	486.5	444400.	966.2	536.2
SDev	.8	38.	.8	.0	779.	.8	.3
%RSD	.0801	.0071	.1596	.0063	.1753	.0799	.0606
#1	965.8	542100.	514.4	486.4	445000.	966.7	536.4
#2	966.9	542100.	515.6	486.5	443900.	965.6	536.0
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	501.4	548.2	199600.	-1.763	507200.	413.9	1001.
SDev	.5	.8	144.	1.097	298.	.4	3.
%RSD	.1062	.1537	.0723	62.22	.0587	.0855	.3225
#1	501.8	547.6	199700.	-.9871	507500.	414.1	1004.
#2	501.0	548.8	199500.	-2.538	507000.	413.6	999.2
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-754.9	965.4	-6.074	408.3	1090.	5120.	8.221
SDev	167.0	.5	9.206	1.0	2.	5.	.247
%RSD	22.12	.0561	151.5	.2466	.1482	.0983	3.006
#1	-636.8	965.8	.4349	409.0	1091.	5117.	8.396
#2	-873.0	965.1	-12.58	407.6	1089.	5124.	8.046
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.418	-1.471	5283.	5039.	-14.89	-.6909	5.546
SDev	2.456	7.086	2.	7.	1.87	4.6177	5.171
%RSD	45.34	481.9	.0395	.1291	12.58	668.4	93.24
#1	-3.681	3.540	5282.	5034.	-16.21	2.574	1.890
#2	-7.155	-6.481	5285.	5043.	-13.56	-3.956	9.203
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	9.555	1012.	1064.	1104.
SDev	2.952	.	10.	2.
%RSD	30.90	.0371	.9755	.1926
#1	11.64	1011.	1071.	1105.
#2	7.468	1012.	1056.	1102.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	17747	15000	--	--	--	--	--
SDev	29.69848	.0000000	--	--	--	--	--
%RSD	.1673437	.0000000	--	--	--	--	--
#1	17726	15000	--	--	--	--	--
#2	17768	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 04/22/95 19:21:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101.1	1959.	1019.	988.5	49900.	989.0	1016.
SDev	.2	30.	2.	.7	2.	1.3	1.
%RSD	.1531	1.542	.2206	.0689	.0039	.1272	.0661
#1	101.0	1938.	1018.	988.0	49900.	988.1	1015.
#2	101.2	1981.	1021.	989.0	49900.	989.9	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	984.6	1032.	2106.	49970.	48540.	1006.	1001.
SDev	.3	1.	1.	4.	34.	.	1.
%RSD	.0334	.1241	.0551	.0088	.0693	.0380	.0840
#1	984.4	1032.	2105.	49970.	48520.	1006.	1000.
#2	984.8	1033.	2107.	49970.	48570.	1007.	1001.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49450.	1000.	1070.	984.5	2119.	1036.	1020.
SDev	107.	2.	4.	1.1	2.	.	1.
%RSD	.2168	.1972	.3942	.1142	.0839	.0210	.1140
#1	49380.	1002.	1067.	985.3	2121.	1036.	1020.
#2	49530.	999.1	1073.	983.7	2118.	1036.	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1019.	1047.	1031.	997.9	1006.	1021.
SDev	1.	1.	2.	1.	2.8	3.	2.
%RSD	.0820	.1415	.2136	.0767	.2812	.2619	.1939
#1	1003.	1018.	1045.	1031.	999.9	1004.	1022.
#2	1004.	1020.	1049.	1030.	995.9	1008.	1019.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1020.	992.6	1008.	1035.
SDev	3.	.4	1.	2.
%RSD	.2678	.0435	.0859	.2217
#1	1018.	992.9	1008.	1033.
#2	1022.	992.3	1009.	1037.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19442	15000	--	--	--	--	--
SDev	21.92031	.0000000	--	--	--	--	--
%RSD	.1127501	.0000000	--	--	--	--	--
#1	19426	15000	--	--	--	--	--
#2	19457	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 04/22/95 19:27:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1970	40.70	.0435	-.0319	8.647	.1119	.4738
SDev	.1486	.68	.0091	.0099	2.609	.0344	.0829
%RSD	75.42	1.670	20.85	30.98	30.17	30.72	17.50
#1	.3020	41.18	.0371	-.0389	6.802	.0876	.4152
#2	.0919	40.22	.0499	-.0249	10.49	.1362	.5324
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1785	-.8089	1.371	3.059	18.70	.0616	.5293
SDev	.0059	.0097	7.385	1.421	2.58	.0210	.6779
%RSD	3.325	1.199	538.7	46.47	13.79	34.05	128.1
#1	.1827	-.8021	-3.851	2.054	16.88	.0468	1.009
#2	.1743	-.8158	6.593	4.064	20.52	.0765	.0499
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	138.1	.1138	.9086	.1045	1.460	-.0620	3.259
SDev	97.8	.0020	1.400	.0689	.256	.4022	.002
%RSD	70.82	1.787	154.1	65.89	17.52	648.3	.0647
#1	68.94	.1123	1.898	.0558	1.641	.2224	3.261
#2	207.3	.1152	-.0813	.1532	1.279	-.3465	3.258
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.350	.5632	2.159	-1.172	-1.237	2.641	2.786
SDev	1.135	1.065	.634	.286	.206	1.599	3.561
%RSD	84.08	189.1	29.37	24.45	16.61	60.55	127.8
#1	2.153	-.1898	2.608	-.9690	-1.092	3.772	5.304
#2	.5474	1.316	1.711	-1.374	-1.383	1.510	.2675
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	3.495	-2.255	-2.822	-.2928
SDev	1.775	.391	2.796	.5807
%RSD	50.78	17.35	99.08	198.4
#1	2.240	-2.531	-4.799	-.7034
#2	4.750	-1.978	-.8448	.1179
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20450	15000	--	--	--	--	--
SDev	68.58935	.0000000	--	--	--	--	--
%RSD	.3354085	.0000000	--	--	--	--	--
#1	20401	15000	--	--	--	--	--
#2	20498	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703230 #75 Operator:
Run Time: 04/22/95 19:32:46
Comment: SDG:203828 ClientID:44EFF705D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.371	20510.	161.9	.5656	10790.	-.0485	20.39
SDev	.173	1.	.7	.0221	125.	.0659	.16
%RSD	3.227	.0477	.4045	3.911	1.158	136.1	.7972
#1	-5.248	20500.	162.3	.5499	10700.	-.0951	20.28
#2	-5.493	20510.	161.4	.5812	10880.	-.0018	20.51
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.14	26.06	33580.	9370.	12080.	615.4	.5080
SDev	.15	.14	207.	80.	39.	3.5	.2696
%RSD	.7840	.5509	.6176	.8574	.3218	.5728	53.06
#1	19.25	26.16	33430.	9427.	12050.	612.9	.6987
#2	19.03	25.96	33720.	9313.	12100.	617.9	.3174
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1988.	12.59	-5.390	55.94	144.2	8.291	3.795
SDev	149.	.02	.525	.26	1.1	.163	1.032
%RSD	7.518	.1601	9.747	.4686	.7530	1.963	27.20
#1	-1883.	12.61	-5.018	55.76	143.5	8.176	4.524
#2	-2094.	12.58	-5.761	56.13	145.0	8.406	3.065
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7838	-3.658	17.51	3.689	-1.117	1.732	-7.196
SDev	.9478	2.148	.43	.456	.627	1.734	2.530
%RSD	120.9	58.71	2.430	12.37	56.15	100.1	35.16
#1	.1136	-5.177	17.81	3.367	-.6733	.5059	-8.984
#2	1.454	-2.140	17.21	4.012	-1.560	2.958	-5.407
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	9.281	3190.	L-1.859	L-3.582
SDev	2.811	8.	1.238	.960
%RSD	30.28	.2618	66.58	26.78
#1	11.27	3184.	L-.9840	L-2.904
#2	7.293	3196.	L-2.735	L-4.261
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19492	15000	--	--	--	--	--
SDev	51.61879	.0000000	--	--	--	--	--
%RSD	.2648136	.0000000	--	--	--	--	--
#1	19529	15000	--	--	--	--	--
#2	19456	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703231 #76 Operator:
Run Time: 04/22/95 19:38:09
Comment: SDG:203828 ClientID:44IIJ1003 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.728	20410.	148.3	.4822	12050.	.0165	21.90
SDev	.012	17.	.1	.0001	12.	.1013	.38
%RSD	.1840	.0830	.0356	.0110	.1005	612.1	1.717
#1	-6.719	20430.	148.4	.4822	12040.	.0882	21.63
#2	-6.736	20400.	148.3	.4821	12060.	-.0551	22.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	30.37	23.52	38920.	7262.	12520.	680.5	.0798
SDev	.05	.13	46.	19.	2.	.3	.2871
%RSD	.1530	.5530	.1170	.2577	.0160	.0468	359.8
#1	30.40	23.43	38880.	7275.	12520.	680.2	.2828
#2	30.33	23.62	38950.	7248.	12520.	680.7	L-.1232
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1627.	18.32	-1.643	59.51	131.4	11.80	2.155
SDev	26.	.00	4.291	.39	.1	.34	1.256
%RSD	1.591	.0168	261.2	.6487	.0833	2.845	58.27
#1	-1609.	18.33	-4.677	59.23	131.5	11.56	1.267
#2	-1645.	18.32	1.391	59.78	131.4	12.04	3.044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0429	-.8098	20.42	7.495	.2978	-.2136	-5.958
SDev	.0436	.4729	1.90	1.450	1.338	.7332	.408
%RSD	101.7	58.40	9.293	19.35	449.1	343.3	6.855
#1	-.0737	-.4754	21.76	6.469	1.244	-.7320	-5.669
#2	-.0120	-1.144	19.08	8.521	-.6480	.3048	-6.247
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	6.206	2906.	L-2.700	L-4.280
SDev	2.087	6.	.304	1.942
%RSD	33.63	.1924	11.27	45.37
#1	4.730	2902.	L-2.485	L-2.906
#2	7.681	2910.	L-2.915	L-5.653
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19620	15000	--	--	--	--	--
SDev	3.535534	.0000000	--	--	--	--	--
%RSD	.0180196	.0000000	--	--	--	--	--
#1	19618	15000	--	--	--	--	--
#2	19623	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703232 #77 Operator:
Run Time: 04/22/95 19:43:32
Comment: SDG:203828 ClientID:44IIJ1001 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-15.04	54670.	597.5	1.304	34130.	12.84	51.60
SDev	.32	36.	.9	.011	70.	.38	.23
%RSD	2.141	.0652	.1501	.8552	.2064	2.936	.4461
#1	L-14.81	54700.	596.9	1.312	34180.	13.11	51.44
#2	L-15.26	54650.	598.2	1.296	34080.	12.58	51.76
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	194.7	106.3	93190.	20740.	25600.	1410.	3.320
SDev	.1	.2	90.	7.	26.	2.	.649
%RSD	.0397	.1730	.0965	.0329	.1019	.1366	19.56
#1	194.6	106.2	93250.	20740.	25620.	1411.	3.779
#2	194.7	106.4	93130.	20730.	25580.	1408.	2.861
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-5831.	92.00	.7114	146.5	696.1	548.8	6.600
SDev	128.	.05	2.743	.1	1.7	.3	1.968
%RSD	2.201	.0502	385.6	.0724	.2409	.0618	29.82
#1	L-5740.	92.03	-1.228	146.6	697.3	549.1	7.992
#2	L-5921.	91.97	2.651	146.4	695.0	548.6	5.208
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.875	5.929	562.6	542.0	5.144	6.240	-2.630
SDev	.909	2.509	2.3	.6	.054	1.390	7.184
%RSD	15.48	42.32	.4055	.1163	1.041	22.28	273.2
#1	6.518	7.703	564.2	541.5	5.106	7.223	2.450
#2	5.232	4.154	561.0	542.4	5.182	5.257	-7.709
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	11.21	6614.	L-4.268	L-11.35
SDev	.64	3.	3.649	.09
%RSD	5.672	.0459	85.49	.7997
#1	10.76	6616.	L-1.688	L-11.28
#2	11.66	6612.	L-6.848	L-11.41
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19582	15000	--	--	--	--	--
SDev	61.51829	.0000000	--	--	--	--	--
%RSD	.3141493	.0000000	--	--	--	--	--
#1	19539	15000	--	--	--	--	--
#2	19626	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703233 #78 Operator:
Run Time: 04/22/95 19:48:55
Comment: SDG:203828 ClientID:44GHH2003 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.929	22190.	157.0	.5095	8934.	.0663	22.23
SDev	.025	26.	.1	.0013	27.	.1260	.1
%RSD	.3573	.1186	.0907	.2605	.2985	190.1	.4351
#1	-6.947	22210.	157.1	.5086	8915.	.1554	22.30
#2	-6.911	22170.	156.9	.5104	8953.	-.0228	22.16
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	26.38	21.07	40150.	9232.	13000.	713.8	L-.0935
SDev	.19	.01	87.	32.	5.	1.5	.4303
%RSD	.7371	.0477	.2161	.3510	.0367	.2107	460.4
#1	26.24	21.07	40090.	9254.	13000.	712.7	.2108
#2	26.52	21.08	40210.	9209.	13000.	714.8	L-.3977
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1757.	16.06	-1.844	62.86	149.9	10.92	4.059
SDev	35.	.90	5.687	.21	.2	.47	1.018
%RSD	1.968	5.635	308.5	.3355	.1234	4.333	25.08
#1	-1733.	15.42	2.178	63.00	150.0	10.58	4.779
#2	-1782.	16.70	-5.865	62.71	149.8	11.25	3.339
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4875	-1.043	20.13	6.316	-1.142	-.1613	-8.663
SDev	1.3222	1.091	2.00	.290	2.114	.9271	.852
%RSD	271.2	104.6	9.938	4.585	185.1	574.8	9.837
#1	.4474	-.2717	18.72	6.521	.3524	.4943	-8.060
#2	-1.422	-1.814	21.55	6.111	-2.637	-.8168	-9.265
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	10.41	3180.	L-3.893	L-4.582
SDev	1.10	3.	1.079	1.720
%RSD	10.58	.0940	27.72	37.54
#1	11.19	3178.	L-4.656	L-5.798
#2	9.632	3182.	L-3.130	L-3.365

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19598	15000	--	--	--	--	--
SDev	35.35534	.0000000	--	--	--	--	--
%RSD	.1804028	.0000000	--	--	--	--	--
#1	19573	15000	--	--	--	--	--
#2	19623	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 703234 #79 Operator:
Run Time: 04/22/95 19:54:18
Comment: SDG:203828 ClientID:44GHH3002 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.551	21430.	154.5	.5832	10550.	.2392	22.64
SDev	.210	13.	.5	.0054	57.	.0559	.43
%RSD	2.787	.0608	.3100	.9301	.5425	23.38	1.888
#1	-7.699	21440.	154.8	.5870	10510.	.2787	22.34
#2	-7.402	21420.	154.1	.5793	10590.	.1996	22.94
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	28.92	24.58	43290.	7980.	12410.	684.8	.2270
SDev	.39	.06	112.	38.	11.	2.1	.0140
%RSD	1.361	.2400	.2576	.4738	.0848	.3029	6.172
#1	28.64	24.54	43210.	8006.	12400.	683.3	.2369
#2	29.20	24.62	43370.	7953.	12410.	686.2	.2171
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1637.	18.65	-5.390	68.11	135.5	11.97	.5516
SDev	22.	.65	.680	.46	.2	.93	4.546
%RSD	1.323	3.483	12.61	.6720	.1450	7.784	824.2
#1	-1622.	18.19	-5.871	67.78	135.4	11.31	3.766
#2	-1652.	19.11	-4.910	68.43	135.6	12.62	-2.663
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1576	-2.375	19.24	8.331	-2.466	1.467	-8.658
SDev	2.279	1.317	.11	1.339	1.802	2.518	4.547
%RSD	1446.	55.46	.5970	16.07	73.07	171.7	52.52
#1	-1.454	-3.307	19.16	7.384	-3.740	-.3136	-5.443
#2	1.769	-1.444	19.32	9.278	-1.192	3.247	-11.87
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	5.149	3003.	L-.9588	L-3.893
SDev	4.545	6.	.3080	.886
%RSD	88.27	.1890	32.13	22.76
#1	8.363	2998.	L-1.177	L-4.520
#2	1.935	3007.	L-.7409	L-3.267
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19729	15000	--	--	--	--	--
SDev	33.94112	.0000000	--	--	--	--	--
%RSD	.1720367	.0000000	--	--	--	--	--
#1	19705	15000	--	--	--	--	--
#2	19753	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 703236 #80 Operator:
Run Time: 04/22/95 19:59:41
Comment: SDG:203828 ClientID:44GHH4003 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.870	21050.	156.1	.5613	9368.	.4078	19.58
SDev	.025	13.	.3	.0141	25.	.1941	.01
%RSD	.4218	.0607	.1900	2.511	.2653	47.58	.0306
#1	-5.887	21040.	156.3	.5513	9350.	.5450	19.58
#2	-5.852	21060.	155.9	.5713	9385.	.2706	19.58
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	26.56	39.46	36260.	8577.	11980.	684.6	.5604
SDev	.47	.17	27.	9.	6.	.4	.0319
%RSD	1.774	.4298	.0751	.0994	.0503	.0574	5.701
#1	26.89	39.34	36240.	8583.	11970.	684.3	.5830
#2	26.23	39.58	36280.	8571.	11980.	684.9	.5378
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1750.	15.76	-.1755	58.14	139.9	18.33	3.615
SDev	201.	.36	.0834	.22	.1	.37	3.144
%RSD	11.48	2.265	47.52	.3835	.0742	1.998	86.98
#1	-1608.	16.02	-.1165	57.99	140.0	18.07	5.838
#2	-1892.	15.51	-.2344	58.30	139.8	18.59	1.392
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2485	-.0944	26.53	14.23	-.5457	.6444	-7.512
SDev	1.095	3.5006	1.15	.02	1.6468	.8199	1.708
%RSD	440.7	3706.	4.330	.1718	301.8	127.2	22.73
#1	-.5259	2.381	25.72	14.25	-1.710	.0646	-6.305
#2	1.023	-2.570	27.34	14.22	.6188	1.224	-8.720
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	9.170	2898.	L-2.609	L-4.306
SDev	3.861	5.	.762	.936
%RSD	42.11	.1561	29.22	21.73
#1	11.90	2894.	L-2.070	L-3.644
#2	6.439	2901.	L-3.148	L-4.968

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19538	15000	--	--	--	--	--
SDev	14.14214	.0000000	--	--	--	--	--
%RSD	.0723827	.0000000	--	--	--	--	--
#1	19528	15000	--	--	--	--	--
#2	19548	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701544 #81 Operator:
Run Time: 04/22/95 20:05:04
Comment: SDG:304089 ClientID:MW-309R 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0613	146.6	58.30	-.1757	94490.	-.0834	4.414
SDev	.1176	3.3	.08	.0230	252.	.1827	.293
%RSD	191.9	2.281	.1362	13.08	.2669	219.2	6.645
#1	.0219	144.2	58.24	-.1594	94670.	.0458	4.207
#2	-.1444	149.0	58.35	-.1919	94310.	-.2126	4.622
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.306	5.205	-11.16	2417.	28290.	68.19	1.273
SDev	.255	.01	2.86	2.	.	.06	.478
%RSD	19.53	.1904	25.62	.0798	.0005	.0893	37.56
#1	1.487	5.212	-9.138	2418.	28290.	68.23	1.611
#2	1.126	5.198	-13.18	2415.	28290.	68.15	.9347
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	59720.	27.40	-3.496	.3002	6.738	2.630	-1.062
SDev	12.	.01	4.679	.0809	.099	.175	1.468
%RSD	.0197	.0469	133.8	26.96	1.473	6.648	138.3
#1	59710.	27.39	-6.804	.3574	6.808	2.753	-2.100
#2	59730.	27.41	-.1879	.2430	6.668	2.506	-.0235
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0970	.5191	3.908	1.991	-3.069	1.677	-5.013
SDev	.3066	2.678	2.333	.903	1.917	.497	5.712
%RSD	316.1	515.9	59.71	45.35	62.47	29.67	113.9
#1	-.1198	-1.375	5.558	1.352	-4.424	2.029	-9.052
#2	.3137	2.413	2.258	2.629	-1.713	1.325	-.9742
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	.9103	L-1.576	L-14.87	.5463
SDev	.6502	.123	.45	2.176
%RSD	71.43	7.791	2.999	398.3
#1	1.370	L-1.663	L-14.55	2.085
#2	.4505	L-1.489	L-15.18	L-.9922

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19126	15000	--	--	--	--	--
SDev	26.87006	.0000000	--	--	--	--	--
%RSD	.1404897	.0000000	--	--	--	--	--
#1	19107	15000	--	--	--	--	--
#2	19145	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 700980 #82 Operator:
Run Time: 04/22/95 20:10:27
Comment: SDG:304089 ClientID:MW-309RD 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0788	184.5	62.42	-.2042	99790.	-.0978	4.770
SDev	.0805	2.7	.00	.0194	16.	.0739	.106
%RSD	102.1	1.452	.0025	9.505	.0161	75.59	2.227
#1	-.0219	182.6	62.42	-.1905	99770.	-.1501	4.695
#2	-.1357	186.4	62.42	-.2180	99800.	-.0455	4.845
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.604	5.540	-11.67	2587.	30100.	72.25	1.284
SDev	.009	.040	.69	5.	29.	.05	.882
%RSD	.5837	.7225	5.883	.2061	.0961	.0653	68.68
#1	1.610	5.568	-11.19	2591.	30120.	72.22	.6602
#2	1.597	5.511	-12.16	2584.	30080.	72.29	1.907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	63820.	28.85	-.1928	.3414	4.657	.5950	1.665
SDev	98.	.03	2.1803	.1477	.015	1.320	1.531
%RSD	.1528	.1130	1131.	43.26	.3135	221.8	91.96
#1	63890.	28.87	1.349	.2370	4.667	-.3382	.5823
#2	63750.	28.82	-1.734	.4458	4.647	1.528	2.747
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7038	.6452	2.119	-.1663	-2.060	-.0273	-.5528
SDev	.3870	.7199	1.671	1.1442	.859	.1511	1.9223
%RSD	54.98	111.6	78.89	688.0	41.71	553.4	347.7
#1	-.4302	1.154	.9368	-.9754	-1.452	.0795	.8064
#2	-.9774	.1361	3.301	.6427	-2.668	-.1342	-1.912
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	2.771	L-3.053	L-13.32	.8923
SDev	3.255	1.142	5.12	1.535
%RSD	117.4	37.39	38.45	172.1
#1	.4697	L-3.861	L-9.698	L-.1934
#2	5.073	L-2.246	L-16.94	1.978

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19116	15000	--	--	--	--	--
SDev	55.86144	.0000000	--	--	--	--	--
%RSD	.2922311	.0000000	--	--	--	--	--
#1	19076	15000	--	--	--	--	--
#2	19155	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 700979 #83 Operator:
Run Time: 04/22/95 20:15:50
Comment: SDG:304089 ClientID:MW-309RS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49.67	2056.	2097.	48.86	98300.	49.48	506.1
SDev	.17	5.	7.	.19	822.	.56	2.6
%RSD	.3490	.2607	.3283	.3991	.8366	1.128	.5092
#1	49.54	2060.	2102.	48.72	97720.	49.09	504.3
#2	49.79	2053.	2092.	49.00	98880.	49.87	507.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	197.7	261.9	1030.	2587.	29550.	573.9	.6486
SDev	1.6	.7	19.	20.	31.	3.0	.7216
%RSD	.8085	.2841	1.814	.7894	.1038	.5255	111.3
#1	196.6	262.4	1017.	2602.	29530.	571.8	1.159
#2	198.9	261.3	1043.	2573.	29580.	576.0	.1384
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	62900.	524.2	2140.	493.6	540.1	513.2	1982.
SDev	28.	2.8	9.	2.2	2.9	2.1	2.
%RSD	.0439	.5328	.4413	.4402	.5380	.4173	.1033
#1	62920.	522.2	2133.	492.1	538.0	511.7	1984.
#2	62880.	526.2	2147.	495.2	542.1	514.7	1981.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	508.8	2009.	521.8	508.9	502.6	511.8	1984.
SDev	1.2	1.	.4	3.4	3.0	.2	8.
%RSD	.2263	.0433	.0852	.6746	.5886	.0487	.3918
#1	508.0	2009.	522.1	506.5	500.6	511.6	1979.
#2	509.6	2010.	521.5	511.3	504.7	512.0	1990.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1981.	L-5.119	L-11.91	L-2.340
SDev	7.	3.481	3.46	.244
%RSD	.3508	68.01	29.06	10.44
#1	1986.	L-7.580	L-14.36	L-2.512
#2	1976.	L-2.657	L-9.463	L-2.167
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19176	15000	--	--	--	--	--
SDev	38.89087	.0000000	--	--	--	--	--
%RSD	.2028049	.0000000	--	--	--	--	--
#1	19149	15000	--	--	--	--	--
#2	19204	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: SDI701544 #84 Operator:
Run Time: 04/22/95 20:21:13
Comment: SDG:304089 ClientID:MW-309RL 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1182	154.4	12.24	-.1592	19380.	-.1753	1.055
SDev	.0619	.9	.02	.0115	32.	.0330	.049
%RSD	52.38	.5703	.1278	7.244	.1634	18.85	4.607
#1	.0744	155.1	12.23	-.1673	19360.	-.1520	1.020
#2	.1620	153.8	12.26	-.1510	19410.	-.1987	1.089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3429	.6854	-7.943	453.3	5486.	13.85	.3286
SDev	.2857	.1301	1.407	1.3	4.	.02	.1764
%RSD	83.32	18.98	17.71	.2799	.0741	.1559	53.68
#1	.1409	.5934	-8.938	452.4	5484.	13.84	.4533
#2	.5449	.7774	-6.949	454.2	5489.	13.87	.2039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	12210.	5.626	-1.086	.1431	3.003	-.3053	.7369
SDev	69.	.148	1.820	.0037	.088	.3006	2.788
%RSD	.5673	2.635	167.6	2.551	2.916	98.45	378.4
#1	12160.	5.731	.2008	.1406	3.065	-.5179	-1.235
#2	12260.	5.521	-2.373	.1457	2.941	-.0928	2.709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5473	-.9718	1.186	-1.051	-2.089	.2218	-7.104
SDev	.1690	.0872	.027	.437	.251	.3784	3.554
%RSD	30.87	8.973	2.255	41.62	12.00	170.6	50.03
#1	-.4278	-1.033	1.167	-1.360	-2.266	.4894	-9.618
#2	-.6668	-.9102	1.205	-.7414	-1.912	-.0458	-4.591
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	4.651	L-1.042	L-2.267	.6053
SDev	2.406	.332	3.056	.5489
%RSD	51.73	31.90	134.8	90.68
#1	2.950	L-1.277	L-.1061	.2172
#2	6.352	L-.8072	L-4.428	.9934
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19582	15000	--	--	--	--	--
SDev	3.535534	.0000000	--	--	--	--	--
%RSD	.0180555	.0000000	--	--	--	--	--
#1	19579	15000	--	--	--	--	--
#2	19584	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 04/22/95 20:26:37
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101.7	1919.	1006.	988.3	50370.	989.8	1020.
SDev	.1	3.	1.	.0	25.	.8	.
%RSD	.1095	.1501	.0769	.0044	.0490	.0810	.0407
#1	101.7	1921.	1006.	988.3	50390.	990.4	1020.
#2	101.8	1917.	1007.	988.4	50350.	989.2	1019.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	990.1	1030.	2095.	49860.	48490.	1010.	1002.
SDev	.1	1.	3.	5.	12.	1.	.
%RSD	.0108	.0808	.1260	.0108	.0238	.0590	.0425
#1	990.1	1029.	2093.	49860.	48500.	1011.	1003.
#2	990.2	1031.	2096.	49860.	48480.	1010.	1002.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49260.	995.1	1070.	990.6	2133.	1038.	1020.
SDev	24.	.2	3.	.6	1.	2.	1.
%RSD	.0489	.0182	.2587	.0576	.0640	.1766	.1104
#1	49280.	995.0	1068.	990.2	2134.	1037.	1019.
#2	49250.	995.2	1072.	991.0	2132.	1040.	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1002.	1015.	1051.	1032.	1000.	1002.	1023.
SDev	2.	2.	1.	2.	1.	4.	2.
%RSD	.1983	.1529	.1059	.2126	.1355	.3646	.2038
#1	1000.	1014.	1050.	1030.	1001.	999.8	1021.
#2	1003.	1016.	1052.	1033.	999.0	1005.	1024.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1019.	995.1	1005.	1034.
SDev	1.	.6	2.	7.
%RSD	.0636	.0570	.1833	.6564
#1	1018.	995.5	1006.	1039.
#2	1019.	994.7	1003.	1029.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19460	15000	--	--	--	--	--
SDev	14.84924	.0000000	--	--	--	--	--
%RSD	.0763084	.0000000	--	--	--	--	--
#1	19449	15000	--	--	--	--	--
#2	19470	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 08:37:20 PM page 1

Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 04/22/95 20:32:01
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1751	22.58	.0737	.0081	1.011	-.1037	.6788
SDev	.0557	1.97	.0008	.0021	.084	.0831	.0740
%RSD	31.82	8.718	1.028	25.30	8.341	80.18	10.90
#1	.1357	21.19	.0743	.0067	1.070	-.0449	.6265
#2	.2145	23.98	.0732	.0096	.9511	-.1624	.7311
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2359	-.3764	2.331	-1.877	8.268	.0971	.4090
SDev	.1940	.0599	.664	.615	.504	.0221	.3214
%RSD	82.25	15.93	28.49	32.78	6.093	22.74	78.59
#1	-.3731	-.4187	1.861	-2.312	8.624	.0815	.1817
#2	-.0987	-.3340	2.800	-1.442	7.912	.1127	.6363
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	81.80	.1162	-2.072	.3484	.8130	.3757	-2.541
SDev	37.73	.0004	3.237	.0066	.0015	.6189	5.292
%RSD	46.13	.3498	156.2	1.903	.1875	164.7	208.3
#1	55.11	.1159	.2169	.3437	.8141	-.0619	1.201
#2	108.5	.1165	-4.361	.3531	.8119	.8133	Q-6.283
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.558	2.784	1.537	-.2044	-.7241	2.697	-4.316
SDev	.005	2.586	.225	.8156	.6135	.298	5.885
%RSD	.3391	92.88	14.63	399.0	84.73	11.06	136.4
#1	1.562	.9554	1.378	-.7811	-.2903	2.486	-.1546
#2	1.554	4.612	1.696	.3723	-1.158	2.908	-8.478
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	-1.655	-.3100	-.7485	-.0483
SDev	4.996	.4219	.4360	.7844
%RSD	301.8	136.1	58.25	1624.
#1	1.877	-.0116	-.4402	-.6029
#2	-5.188	-.6083	-1.057	.5063
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20440	15000	--	--	--	--	--
SDev	26.16295	.0000000	--	--	--	--	--
%RSD	.1280019	.0000000	--	--	--	--	--
#1	20421	15000	--	--	--	--	--
#2	20458	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 08:42:43 PM page 1

Method: CLPSUE Sample Name: 700977 #87 Operator:
Run Time: 04/22/95 20:37:25
Comment: SDG:304089 ClientID:MW-B5C 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2189	218.9	130.1	-.1495	67530.	-.1076	.4278
SDev	.0557	.8	.0	.0219	217.	.1509	.2380
%RSD	25.46	.3607	.0107	14.63	.3208	140.2	55.64
#1	-.2583	219.4	130.1	-.1649	67370.	-.2143	.5961
#2	-.1795	218.3	130.1	-.1340	67680.	-.0009	.2595
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.165	-.2079	944.0	1110.	19640.	197.0	1.033
SDev	.079	.0098	.7	.	5.	.4	.030
%RSD	6.761	4.737	.0723	.0066	.0233	.2247	2.951
#1	1.109	-.2010	943.5	1111.	19640.	196.6	1.011
#2	1.221	-.2149	944.5	1110.	19640.	197.3	1.054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14240.	.8398	-2.741	.1646	7.801	.7148	1.476
SDev	112.	.1002	.183	.0704	.101	.9107	3.865
%RSD	.7871	11.94	6.671	42.75	1.292	127.4	261.8
#1	14320.	.9107	-2.871	.1148	7.872	1.359	-1.257
#2	14160.	.7690	-2.612	.2143	7.730	.0709	4.209
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0948	12.06	2.903	-.3781	-.8271	.2701	-3.212
SDev	.0615	.16	.674	1.0291	.3297	.2569	2.238
%RSD	64.90	1.349	23.20	272.2	39.86	95.08	69.69
#1	-.0513	11.95	3.379	.3496	-1.060	.4518	-4.794
#2	-.1383	12.18	2.427	-1.106	-.5939	.0885	-1.629
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	3.816	L-2.210	L-6.394	L-.1380
SDev	4.676	2.925	1.720	.0807
%RSD	122.6	132.3	26.90	58.51
#1	.5090	L-4.278	L-7.610	L-.1950
#2	7.123	L-.1418	L-5.177	L-.0809
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19281	15000	--	--	--	--	--
SDev	29.69848	.0000000	--	--	--	--	--
%RSD	.1540298	.0000000	--	--	--	--	--
#1	19260	15000	--	--	--	--	--
#2	19302	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 08:48:06 PM page 1

Method: CLPSUE Sample Name: 700989 #88 Operator:
Run Time: 04/22/95 20:42:48
Comment: SDG:304089 ClientID:MW-B9 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0044	166.3	135.0	-.1787	92710.	-.1480	.2460
SDev	.0619	3.2	.2	.0070	212.	.1660	.1800
%RSD	1414.	1.940	.1807	3.891	.2289	112.2	73.18
#1	.0394	168.5	135.2	-.1738	92560.	-.0306	.3733
#2	-.0481	164.0	134.8	-.1836	92860.	-.2653	.1187
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.871	.0309	865.9	1749.	26930.	206.8	1.659
SDev	.050	.1803	1.4	11.	12.	.3	.120
%RSD	2.682	583.9	.1577	.6228	.0433	.1543	7.217
#1	1.906	-.0966	866.8	1757.	26920.	206.6	1.743
#2	1.835	.1584	864.9	1741.	26940.	207.0	1.574
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	27650.	1.460	1.356	-.1231	5.164	.6152	1.720
SDev	60.	.049	3.240	.0658	.191	.9150	2.877
%RSD	.2188	3.334	238.9	53.43	3.702	148.7	167.3
#1	27690.	1.426	-.9347	-.1697	5.299	1.262	-.3150
#2	27600.	1.495	3.647	-.0766	5.029	-.0318	3.754
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.278	10.29	2.661	-.4070	.3859	1.722	-5.354
SDev	.043	1.61	3.548	.3993	.4413	.155	1.785
%RSD	3.396	15.62	133.3	98.11	114.4	9.017	33.35
#1	1.247	11.43	5.170	-.6894	.0738	1.832	-6.616
#2	1.308	9.154	.1529	-.1247	.6979	1.612	-4.091
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	5.250	L-3.707	L-8.788	1.698
SDev	3.422	1.859	1.227	2.285
%RSD	65.19	50.14	13.96	134.6
#1	2.830	L-5.021	L-7.920	.0818
#2	7.670	L-2.392	L-9.656	3.313

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19114	15000	--	--	--	--	--
SDev	45.96194	.0000000	--	--	--	--	--
%RSD	.2404685	.0000000	--	--	--	--	--
#1	19081	15000	--	--	--	--	--
#2	19146	15000	--	--	--	--	--

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95 08:53:30 PM #89 1:1 Operator: page

	.1138	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
	.0310	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
%RSD	27.20	150.5	117.6	-.1557	85040.	-.3147	.0870
		.1	.0	.0100	24.	.0622	.5002
#1	-.1357	.0777	.0120	6.436	.0285	19.76	575.0
#2	-.0919	150.6	117.6	-.1628	85050.	-.3587	-.2667
		150.4	117.6	-.1486	85020.	-.2707	.4406

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8679	.1024	541.3	1069.	24600.	275.3	.4127
SDev	.1273	.1402	4.7	4.	12.	.1	.3292
%RSD	14.67	136.9	.8682	.3314	.0503	.0336	79.78
#1	.9580	.0033	538.0	1072.	24610.	275.2	.6455
#2	.7779	.2016	544.6	1067.	24590.	275.3	.1799

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10660.	.5292	-3.951	.1269	6.943	1.460	-.2661
SDev	2.	.0499	3.659	.1522	.183	.042	.8308
%RSD	.0207	9.432	92.61	119.9	2.639	2.867	312.2
1	10660.	.5645	-6.539	.2345	7.072	1.489	.3214
?	10660.	.4939	-1.364	.0193	6.813	1.430	-.8536

ors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
h	500000.	25000.	25000.	25000.	30000.	25000.	25000.
	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

	Sb2068	As1890	22031	22032	20681	20682	19601
	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
	-1.466	3.378	3.447	.4671	-2.985	-.7083	-2.252
	.648	1.506	1.380	.6262	1.551	1.7466	.491
	44.23	44.58	40.03	134.1	51.97	246.6	21.81
	-1.007	2.313	4.423	.0243	-4.082	.5267	-2.600
	1.925	4.443	2.471	.9099	-1.888	-1.943	-1.905

	Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
	00.	25000.					
	.00	-10.00					
	?						
	ter	Ti3349	Sn1899	Bi2230			
		ug/liter	ug/liter	ug/liter			

Avge	.7250	L-1.564	L-17.90	L-1.001
SDev	1.491	.975	1.56	1.865
%RSD	205.6	62.31	8.692	186.2
#1	1.779	L-2.253	L-16.80	L-2.320
#2	-.3292	L-.8749	L-19.00	.3170
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19084	15000	--	--	--	--	--
SDev	12.02082	.0000000	--	--	--	--	--
%RSD	.0629906	.0000000	--	--	--	--	--
#1	19075	15000	--	--	--	--	--
#2	19092	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 08:58:53 PM page 1

Method: CLPSUE Sample Name: 701546 #90 Operator:
Run Time: 04/22/95 20:53:35
Comment: SDG:304089 ClientID:MW-B2B 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0832	183.0	53.18	-.1804	79430.	-.2941	1.714
SDev	.1362	.9	.14	.0114	236.	.0797	.112
%RSD	163.8	.4741	.2685	6.291	.2971	27.10	6.519
#1	.0131	182.4	53.08	-.1724	79600.	-.2378	1.794
#2	-.1795	183.7	53.28	-.1885	79260.	-.3505	1.635
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.615	1.461	-2.017	10480.	20990.	38.79	.1717
SDev	.172	.680	4.318	20.	6.	.10	.6579
%RSD	6.590	46.57	214.1	.1897	.0296	.2616	383.1
#1	2.736	.9799	1.036	10470.	20990.	38.86	.6370
#2	2.493	1.942	-5.070	10500.	20980.	38.72	L-.2935
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	26160.	5.056	-3.362	.4445	9.272	.3381	-1.146
SDev	45.	.004	1.004	.0031	.279	.1669	1.236
%RSD	.1710	.0811	29.86	.6912	3.004	49.38	107.8
#1	26190.	5.059	-2.652	.4424	9.469	.2201	-.2726
#2	26130.	5.053	-4.071	.4467	9.075	.4562	-2.020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1126	.0145	2.250	-.6168	-2.446	1.389	-5.625
SDev	.0947	.4248	.231	.3658	1.663	.688	4.237
%RSD	84.10	2928.	10.28	59.29	67.96	49.52	75.33
#1	.1795	-.2858	2.413	-.8755	-1.271	.9029	-2.629
#2	.0456	.3149	2.086	-.3582	-3.622	1.876	-8.621
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1.089	L-.3226	L-8.580	L-.9961
SDev	.263	.8838	2.206	.0482
%RSD	24.14	274.0	25.71	4.843
#1	.9030	.3024	L-10.14	L-1.030
#2	1.275	L-.9475	L-7.020	L-.9620
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19095	15000	--	--	--	--	--
SDev	21.21320	.0000000	--	--	--	--	--
%RSD	.1110930	.0000000	--	--	--	--	--
#1	19080	15000	--	--	--	--	--
#2	19110	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 09:04:17 PM page 1

Method: CLPSUE Sample Name: 701550 #91 Operator:
Run Time: 04/22/95 20:58:59
Comment: SDG:304089 ClientID:MW-B4B 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1138	194.3	51.72	-.2230	72920.	-.4043	.1736
SDev	.0557	1	.08	.0109	17.	.0444	.1409
%RSD	48.95	.5043	.1534	4.872	.0237	10.99	81.15
#1	-.1532	193.6	51.67	-.2154	72910.	-.3729	.2732
#2	-.0744	195.0	51.78	-.2307	72930.	-.4357	.0740
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.865	.3281	661.0	1476.	22490.	46.25	.2189
SDev	.092	.0799	.6	4.	12.	.02	.6765
%RSD	4.957	24.35	.0936	.2837	.0550	.0373	309.0
#1	1.930	.3846	660.5	1479.	22500.	46.26	L-.2594
#2	1.799	.2716	661.4	1473.	22480.	46.24	.6973
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14570.	3.584	.2495	.1188	5.898	-.1336	-1.334
SDev	2.	.109	2.925	.0657	.104	1.1415	1.054
%RSD	.0131	3.030	1172.	55.25	1.770	854.6	78.99
#1	14570.	3.661	-1.819	.0724	5.972	.6736	-.5890
#2	14560.	3.508	2.318	.1653	5.824	-.9408	-2.080
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2618	.4165	2.383	-1.391	-2.460	.8351	-6.649
SDev	1.1202	.0808	.745	1.340	2.230	.5661	.276
%RSD	427.9	19.41	31.26	96.33	90.64	67.79	4.154
#1	.5303	.4737	2.910	-.4434	-.8834	1.235	-6.454
#2	-1.054	.3594	1.856	-2.338	-4.037	.4348	-6.845
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	1.319	L-.4514	L-11.88	L-.4327
SDev	1.442	.0372	3.03	2.4112
%RSD	109.4	8.251	25.49	557.3
#1	2.339	L-.4777	L-14.02	L-2.138
#2	.2987	L-.4251	L-9.736	1.272
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18982	15000	--	--	--	--	--
SDev	44.54773	.0000000	--	--	--	--	--
%RSD	.2346902	.0000000	--	--	--	--	--
#1	18950	15000	--	--	--	--	--
#2	19013	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701552 #92 Operator:
Run Time: 04/22/95 21:04:22
Comment: SDG:304089 ClientID:MW-B10B 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2320	210.2	133.0	-.2283	60110.	-.2742	.2546
SDev	.0867	.3	.3	.0067	266.	.0712	.6085
%RSD	37.36	.1629	.2205	2.917	.4421	25.96	239.0
#1	-.1707	210.4	133.2	-.2236	59920.	-.2239	-.1757
#2	-.2933	209.9	132.8	-.2330	60290.	-.3246	.6849
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.454	.0361	1132.	1995.	17220.	172.4	2.264
SDev	.033	.4302	.	11.	12.	.6	.337
%RSD	2.289	1190.	.0274	.5435	.0722	.3715	14.90
#1	1.431	-.2681	1132.	2003.	17210.	171.9	2.026
#2	1.478	.3404	1132.	1987.	17230.	172.8	2.503
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24010.	1.176	-1.767	-.1377	4.023	.4483	1.942
SDev	66.	.553	2.854	.0068	.190	.0648	2.264
%RSD	.2738	47.01	161.5	4.971	4.731	14.45	116.6
#1	24060.	.7852	.2513	-.1425	4.157	.4025	3.543
#2	23970.	1.567	-3.785	-.1329	3.888	.4941	.3414
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9152	2.635	1.941	-.2978	-1.390	2.065	-4.943
SDev	.0531	3.797	2.484	1.3374	.432	.295	1.061
%RSD	5.798	144.1	128.0	449.1	31.04	14.28	21.46
#1	.8777	5.320	3.698	-1.243	-1.085	1.857	-4.193
#2	.9527	-.0498	.1848	.6479	-1.695	2.274	-5.694
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	5.379	L-4.137	L-13.54	.3522
SDev	2.864	1.333	1.99	.9672
%RSD	53.25	32.22	14.71	274.6
#1	7.404	L-5.080	L-12.13	L-.3317
#2	3.354	L-3.195	L-14.95	1.036

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19123	15000	--	--	--	--	--
SDev	53.74012	.0000000	--	--	--	--	--
%RSD	.2810234	.0000000	--	--	--	--	--
#1	19085	15000	--	--	--	--	--
#2	19161	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701554 #93 Operator:
Run Time: 04/22/95 21:09:45
Comment: SDG:304089 ClientID:MWB10BDUP 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2889	532.7	136.7	-.2006	62240.	-.3191	.0944
SDev	.0062	1.9	.3	.0294	240.	.0382	.0995
%RSD	2.143	.3497	.2159	14.64	.3859	11.98	105.4
#1	-.2845	534.0	136.9	-.2213	62070.	-.2920	.0241
#2	-.2933	531.4	136.4	-.1798	62410.	-.3461	.1648
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.765	.6350	1247.	2067.	17730.	177.5	2.188
SDev	.251	.1101	1.	5.	12.	.3	.179
%RSD	14.23	17.33	.7740	.2468	.0651	.1808	8.193
#1	1.942	.5572	1241.	2070.	17720.	177.3	2.061
#2	1.587	.7128	1254.	2063.	17730.	177.7	2.314
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24690.	1.699	.1803	.3621	4.796	.3925	-.6860
SDev	12.	.201	.8460	.0670	.090	.8189	.7238
%RSD	.0506	11.81	469.3	18.52	1.880	208.6	105.5
#1	24680.	1.558	-.4179	.3147	4.859	.9716	-1.198
#2	24700.	1.841	.7785	.4095	4.732	-.1865	-.1742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5847	1.779	1.301	-.0617	-2.077	.1596	-8.484
SDev	2.4875	.638	.104	1.2799	1.759	2.851	.488
%RSD	425.5	35.86	8.032	2076.	84.70	1787.	5.750
#1	-2.344	2.230	1.227	.8434	-3.320	-1.857	-8.829
#2	1.174	1.328	1.375	-.9667	-.8328	2.176	-8.139
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	3.207	2.326	L-10.40	.4056
SDev	.842	1.164	.16	.0686
%RSD	26.24	50.04	1.535	16.92
#1	2.612	1.503	L-10.51	.3571
#2	3.802	3.149	L-10.28	.4542

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19196	15000	--	--	--	--	--
SDev	5.656854	.0000000	--	--	--	--	--
%RSD	.0294689	.0000000	--	--	--	--	--
#1	19192	15000	--	--	--	--	--
#2	19200	15000	--	--	--	--	--

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Analysis Report Sat 04-22-95 09:20:27 PM page 1

Method: CLPSUE Sample Name: 701556 #94 Operator:
Run Time: 04/22/95 21:15:09
Comment: SDG:304089 ClientID:RINSEBLNK 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0088	131.4	1.036	-.1553	251.5	-.2053	.1037
SDev	.0433	1.0	.007	.0009	.5	.0176	.3797
%RSD	495.0	.7826	.6726	.5508	.2006	8.586	366.0
#1	.0219	130.6	1.041	-.1547	251.1	-.1928	.3722
#2	-.0394	132.1	1.031	-.1559	251.8	-.2177	-.1647
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.870	6.569	17.34	74.66	64.45	2.135	.1245
SDev	.081	.030	2.11	.60	.27	.025	.3362
%RSD	4.311	.4549	12.17	.8082	.4238	1.184	270.2
#1	1.813	6.547	18.83	74.23	64.64	2.117	.3622
#2	1.927	6.590	15.85	75.09	64.25	2.153	L-.1133
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	800.8	.4031	-6.753	.0998	12.96	1.180	1.668
SDev	71.6	.0003	2.064	.0648	.08	1.385	2.056
%RSD	8.937	.0764	30.57	64.90	.6408	117.4	123.3
#1	750.2	.4033	-5.294	.1456	12.90	.2002	3.122
#2	851.4	.4028	-8.213	.0540	13.02	2.159	.2140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6751	.0555	1.543	.9979	.8098	.6072	-3.741
SDev	2.119	1.400	.676	2.414	.2228	3.065	4.254
%RSD	313.8	2520.	43.84	241.9	27.52	504.8	113.7
#1	2.173	1.045	2.021	-.7093	.9674	2.774	-.7330
#2	-.8230	-.9342	1.065	2.705	.6523	-1.560	-6.750
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	4.368	L-.8872	L-3.018	1.676
SDev	.958	1.5999	3.509	.412
%RSD	21.94	180.3	116.3	24.60
#1	5.045	L-2.019	L-.5362	1.384
#2	3.690	.2441	L-5.499	1.967
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19606	15000	--	--	--	--	--
SDev	5.656854	.0000000	--	--	--	--	--
%RSD	.0288527	.0000000	--	--	--	--	--
#1	19602	15000	--	--	--	--	--
#2	19610	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 701558 #95 Operator:
Run Time: 04/22/95 21:20:32
Comment: SDG:304089 ClientID:MW-302 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2364	157.8	165.9	-.2114	56800.	-.2160	2.683
SDev	.2662	.9	.4	.0046	156.	.0150	.018
%RSD	112.6	.5463	.2154	2.156	.2750	6.956	.6802
#1	-.0481	157.2	165.7	-.2082	56910.	-.2266	2.696
#2	-.4246	158.4	166.2	-.2146	56690.	-.2053	2.670
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.512	-.1143	1322.	5203.	19190.	124.9	.2365
SDev	.219	.1598	9.	6.	21.	.0	.3262
%RSD	14.51	139.9	.7032	.1083	.1105	.0080	137.9
#1	1.667	-.2273	1315.	5199.	19200.	124.9	.0058
#2	1.357	-.0013	1328.	5207.	19170.	124.9	.4671
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34710.	14.63	-1.692	-.0339	15.30	-.3596	2.340
SDev	45.	.35	.036	.2166	.04	.0663	3.011
%RSD	.1305	2.387	2.103	638.2	.2474	18.44	128.7
#1	34740.	14.88	-1.717	.1192	15.27	-.3127	4.468
#2	34670.	14.38	-1.667	-.1871	15.33	-.4065	.2108
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1389	5.504	1.654	-1.366	-2.771	1.591	-3.469
SDev	1.454	.447	.718	.458	2.070	1.146	.332
%RSD	1047.	8.118	43.42	33.54	74.72	72.02	9.585
#1	1.167	5.820	1.146	-1.042	-1.307	2.401	-3.233
#2	-.8890	5.188	2.162	-1.689	-4.235	.7807	-3.704
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	5.239	L-1.265	L-12.64	L-.2273
SDev	4.348	1.062	.42	.3292
%RSD	82.99	83.93	3.333	144.9
#1	8.313	L-2.016	L-12.35	L-.4601
#2	2.164	L-.5144	L-12.94	.0055
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19138	15000	--	--	--	--	--
SDev	62.93250	.0000000	--	--	--	--	--
%RSD	.3288267	.0000000	--	--	--	--	--
#1	19094	15000	--	--	--	--	--
#2	19183	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701560 #96 Operator:
Run Time: 04/22/95 21:25:55
Comment: SDG:304089 ClientID:MW-310 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1444	92.73	144.2	-.2671	95650.	-.2417	7.248
SDev	.0743	.08	.1	.0068	419.	.1885	.064
%RSD	51.43	.0822	.0904	2.540	.4379	78.00	.8822
#1	.0919	92.68	144.3	-.2719	95360.	-.3750	7.293
#2	.1970	92.79	144.1	-.2623	95950.	-.1084	7.202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.201	2.437	14.85	17960.	31130.	93.47	L-.0017
SDev	.051	.110	6.48	68.	7.	.25	.6434
%RSD	1.605	4.501	43.65	.3763	.0236	.2677	38760.
#1	3.237	2.359	10.26	18010.	31130.	93.30	L-.4566
#2	3.165	2.515	19.43	17910.	31120.	93.65	.4533
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	44760.	17.47	-.1661	.3937	5.201	-.2600	.4981
SDev	89.	.19	1.4315	.0706	.169	.5313	5.711
%RSD	.1991	1.064	861.8	17.93	3.247	204.4	1147.
#1	44820.	17.60	.8461	.4436	5.082	-.6357	-3.540
#2	44690.	17.33	-1.178	.3438	5.320	.1158	4.536
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2983	.7169	1.348	-1.064	-2.182	1.536	-3.913
SDev	1.664	2.519	.466	.564	2.432	1.281	.568
%RSD	557.9	351.3	34.54	53.04	111.5	83.41	14.52
#1	1.475	-1.064	1.019	-1.462	-.4623	2.442	-4.314
#2	-.8785	2.498	1.678	-.6646	-3.902	.6301	-3.511
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.699	L-4.043	L-9.298	.6368
SDev	8.279	.280	.966	.6118
%RSD	306.7	6.937	10.39	96.08
#1	-3.155	L-4.241	L-9.981	1.069
#2	8.554	L-3.845	L-8.614	.2042

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19004	15000	--	--	--	--	--
SDev	36.76955	.0000000	--	--	--	--	--
%RSD	.1934832	.0000000	--	--	--	--	--
#1	18978	15000	--	--	--	--	--
#2	19030	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 09:36:37 PM page 1

Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 04/22/95 21:31:19
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101.1	1918.	1021.	987.7	49930.	990.7	1017.
SDev	.1	2.	1.	.8	112.	.7	1.
%RSD	.0612	.0843	.1029	.0833	.2251	.0735	.1288
#1	101.0	1917.	1022.	987.2	49850.	990.2	1016.
#2	101.1	1919.	1020.	988.3	50010.	991.3	1018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	985.6	1030.	2083.	49970.	48190.	1006.	998.9
SDev	1.5	.	3.	14.	22.	2.	3.7
%RSD	.1529	.0383	.1313	.0288	.0461	.1502	.3684
#1	984.5	1030.	2085.	49980.	48170.	1005.	996.3
#2	986.7	1030.	2081.	49960.	48210.	1007.	1002.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49460.	1005.	1070.	982.3	2116.	1037.	1026.
SDev	61.	2.	1.	1.4	4.	3.	1.
%RSD	.1235	.1577	.1264	.1405	.1758	.3270	.1193
#1	49410.	1004.	1069.	981.3	2113.	1035.	1027.
#2	49500.	1006.	1071.	983.3	2119.	1040.	1025.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1010.	1047.	1033.	997.5	1005.	1028.
SDev	2.	2.	2.	6.	3.8	1.	1.
%RSD	.1921	.1735	.2029	.5950	.3852	.0965	.0669
#1	1001.	1011.	1048.	1029.	994.7	1004.	1028.
#2	1004.	1009.	1045.	1037.	1000.	1006.	1029.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1025.	994.4	1009.	1035.
SDev	2.	.6	6.	2.
%RSD	.2126	.0644	.5561	.1595
#1	1026.	994.0	1005.	1036.
#2	1023.	994.9	1013.	1033.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19435	15000	--	--	--	--	--
SDev	25.45585	.0000000	--	--	--	--	--
%RSD	.1309794	.0000000	--	--	--	--	--
#1	19417	15000	--	--	--	--	--
#2	19453	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 09:42:02 PM page 1

Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 04/22/95 21:36:43
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2145	27.55	.0953	-.0167	-2.168	.0179	.2780
SDev	.0000	.38	.0033	.0056	.015	.0400	.4260
%RSD	.0000	1.367	3.483	33.72	.7100	222.7	153.2
#1	.2145	27.28	.0977	-.0206	-2.157	-.0103	-.0232
#2	.2145	27.81	.0930	-.0127	-2.179	.0462	.5793
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0765	-.8002	-5.333	3.357	7.089	.0879	-.2519
SDev	.0004	.0801	.683	.058	.495	.0574	.1245
%RSD	.4897	10.01	12.80	1.733	6.978	65.35	49.43
#1	-.0763	-.8568	-5.816	3.316	7.438	.0473	-.3399
#2	-.0768	-.7436	-4.850	3.399	6.739	.1285	-.1638
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	111.9	.0450	-.4647	.2507	.5283	-.1198	-.0616
SDev	80.5	.0004	1.4461	.1324	.0848	.9233	1.2940
%RSD	71.91	.9049	311.2	52.81	16.05	770.7	2102.
#1	55.00	.0447	-1.487	.1571	.5883	-.7727	.8534
#2	168.8	.0453	.5579	.3443	.4684	.5331	-.9766
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1979	-1.158	1.422	-.8902	-1.709	1.149	-5.883
SDev	1.728	3.185	.567	1.6673	3.348	.919	5.230
%RSD	873.1	275.1	39.86	187.3	195.9	79.98	88.90
#1	1.420	1.094	1.823	-2.069	.6585	1.799	-2.185
#2	-1.024	-3.410	1.021	.2887	-4.076	.4993	-9.581
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.844	-1.393	-5.509	-.5508
SDev	.671	1.489	3.268	.4415
%RSD	23.60	106.9	59.32	80.17
#1	2.369	-2.446	-7.820	-.2385
#2	3.319	-.3397	-3.198	-.8630
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20158	15000	--	--	--	--	--
SDev	4.949748	.0000000	--	--	--	--	--
%RSD	.0245542	.0000000	--	--	--	--	--
#1	20155	15000	--	--	--	--	--
#2	20162	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 09:47:25 PM page 1

Method: CLPSUE Sample Name: 701563 #99 Operator:
Run Time: 04/22/95 21:42:07
Comment: SDG:304089 ClientID:FILTERBLK 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1182	129.3	.7205	-.1539	133.7	-.2711	.3523
SDev	.1857	.6	.0151	.0196	.6	.0620	.0297
%RSD	157.1	.4336	2.095	12.71	.4291	22.86	8.426
#1	.2495	128.9	.7311	-.1401	133.3	-.3149	.3733
#2	-.0131	129.7	.7098	-.1678	134.1	-.2272	.3313
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4645	2.953	5.467	107.9	32.45	.5281	.7848
SDev	.5360	.050	.692	5.2	1.71	.0006	.1106
%RSD	115.4	1.693	12.66	4.784	5.271	.1096	14.10
#1	.8435	2.918	4.978	111.5	31.24	.5285	.7066
#2	.0855	2.989	5.957	104.2	33.66	.5277	.8630
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	709.9	-.0727	-3.416	.1446	9.619	.0299	.4559
SDev	12.8	.1965	.436	.1408	.016	.3835	1.400
%RSD	1.796	270.2	12.78	97.39	.1678	1285.	307.1
#1	718.9	.0662	-3.725	.2442	9.630	-.2413	1.446
#2	700.9	-.2117	-3.107	.0450	9.608	.3011	-.5340
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2342	-1.183	.5121	-.2115	-1.084	.8916	-2.433
SDev	.8473	.030	.2763	.7130	1.124	1.832	3.785
%RSD	361.8	2.529	53.95	337.1	103.7	205.4	155.6
#1	-.3649	-1.205	.7075	-.7157	-.2888	-.4036	.2436
#2	.8333	-1.162	.3167	.2926	-1.879	2.187	-5.110
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	1.898	L-.0607	L-.5440	.2403
SDev	.209	.3909	.6089	.1605
%RSD	11.01	644.3	111.9	66.81
#1	2.045	.2157	L-.1134	.1267
#2	1.750	L-.3371	L-.9745	.3538

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19530	15000	--	--	--	--	--
SDev	31.81980	.0000000	--	--	--	--	--
%RSD	.1629237	.0000000	--	--	--	--	--
#1	19508	15000	--	--	--	--	--
#2	19553	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 09:52:48 PM page 1

Method: CLPSUE Sample Name: 702297 #100 Operator:
Run Time: 04/22/95 21:47:30
Comment: SDG:04581M ClientID:MW1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2670	1320.	143.4	-.1805	8606.	-.3415	1.522
SDev	.0743	.	.1	.0024	17.	.2246	.075
%RSD	27.82	.0239	.0739	1.328	.1926	65.75	4.947
#1	-.3195	1319.	143.3	-.1788	8594.	-.5003	1.469
#2	-.2145	1320.	143.5	-.1821	8618.	-.1827	1.576
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.276	.5651	2489.	1425.	3598.	28.35	.5818
SDev	.166	.1301	.	1.	2.	.03	.3330
%RSD	7.286	23.03	.0063	.0974	.0625	.0896	57.24
#1	2.393	.4731	2489.	1424.	3597.	28.33	.8172
#2	2.159	.6571	2489.	1426.	3600.	28.37	.3463
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4270.	1.979	.0246	3.480	24.60	3.413	.1944
SDev	32.	.193	2.537	.059	.12	.486	.0229
%RSD	.7434	9.737	10300.	1.694	.4685	14.23	11.76
#1	4247.	1.843	-1.769	3.438	24.69	3.756	.1782
#2	4292.	2.115	1.818	3.522	24.52	3.069	.2105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.127	2.797	3.382	3.427	-.3745	-1.503	-3.441
SDev	.634	.895	.442	.508	1.9891	.043	.047
%RSD	56.25	32.02	13.07	14.81	531.1	2.861	1.380
#1	-.6785	2.163	3.695	3.786	1.032	-1.533	-3.408
#2	-1.575	3.430	3.069	3.068	-1.781	-1.472	-3.475
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.009	112.7	L-3.916	.4033
SDev	.058	2.2	3.611	.2119
%RSD	2.886	1.972	92.23	52.56
#1	1.968	111.1	L-1.362	.2534
#2	2.050	114.2	L-6.469	.5531

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19850	15000	--	--	--	--	--
SDev	23.33452	.0000000	--	--	--	--	--
%RSD	.1175513	.0000000	--	--	--	--	--
#1	19834	15000	--	--	--	--	--
#2	19867	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702290 #101 Operator:
Run Time: 04/22/95 21:52:54
Comment: SDG:04581M ClientID:MW1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4815	1263.	143.2	-.1942	8655.	-.2178	1.244
SDev	.0929	2.	.3	.0118	39.	.1131	.130
%RSD	19.28	.1376	.2405	6.086	.4518	51.94	10.41
#1	-.4158	1264.	143.5	-.2025	8627.	-.2979	1.152
#2	-.5471	1262.	143.0	-.1858	8682.	-.1378	1.335
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.508	-.5117	2512.	1360.	3604.	28.40	L-.2362
SDev	.136	.0200	4.	6.	1.	.01	.8796
%RSD	5.442	3.908	.1785	.4301	.0223	.0177	372.5
#1	2.604	-.4976	2509.	1364.	3604.	28.40	L-.8582
#2	2.411	-.5259	2515.	1355.	3605.	28.40	.3858
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3962.	1.298	-1.691	3.169	21.80	1.072	1.985
SDev	76.	.197	1.827	.224	.00	.968	.537
%RSD	1.916	15.16	108.0	7.078	.0107	90.36	27.04
#1	4016.	1.437	-2.984	3.327	21.80	1.756	1.605
#2	3909.	1.159	-.3992	3.010	21.80	.3870	2.364
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2945	-1.041	2.692	.2624	-1.866	.4893	-2.392
SDev	.6993	.044	.378	1.641	.713	1.404	3.508
%RSD	237.5	4.211	14.04	625.1	38.20	287.0	146.6
#1	.2000	-1.010	2.424	1.422	-2.370	1.482	.0882
#2	-.7890	-1.072	2.959	-.8976	-1.362	-.5036	-4.872
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	4.170	109.5	.1396	.0671
SDev	2.556	1	1.805	.5328
%RSD	61.30	.8817	1292.	793.5
#1	2.362	108.8	L-1.137	L-.3096
#2	5.977	110.2	1.416	.4439
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19971	15000	--	--	--	--	--
SDev	79.19596	.0000000	--	--	--	--	--
%RSD	.3965548	.0000000	--	--	--	--	--
#1	19915	15000	--	--	--	--	--
#2	20027	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: 702289 #102 Operator:
Run Time: 04/22/95 21:58:17
Comment: SDG:04581M ClientID:MW1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49.65	3390.	2161.	49.09	8834.	49.12	494.0
SDev	.03	1.	1.	.1	19.	.21	1
%RSD	.0623	.0229	.0456	.2000	.2145	.4286	.1977
#1	49.62	3389.	2160.	49.16	8848.	49.27	494.7
#2	49.67	3391.	2162.	49.02	8821.	48.97	493.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	199.5	254.5	3767.	1490.	3699.	531.5	L-.6481
SDev	.1	.5	18.	2.	1.	.8	1.0852
%RSD	.0358	.2051	.4714	.1514	.0300	.1584	167.4
#1	199.4	254.1	3780.	1491.	3698.	532.1	.1193
#2	199.5	254.8	3755.	1488.	3700.	530.9	L-1.415
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4586.	492.8	2013.	492.5	548.0	490.6	1916.
SDev	77.	2.3	4.	.4	1.4	.3	7.
%RSD	1.682	.4666	.1793	.0843	.2490	.0643	.3553
#1	4640.	494.4	2011.	492.8	549.0	490.9	1911.
#2	4531.	491.1	2016.	492.2	547.1	490.4	1921.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	495.7	1969.	490.8	490.6	489.5	498.7	1907.
SDev	.6	7.	1.9	.5	1.6	.2	16.
%RSD	.1282	.3411	.3952	.1010	.3225	.0331	.8301
#1	496.1	1974.	492.2	490.2	490.6	498.9	1896.
#2	495.2	1965.	489.4	490.9	488.4	498.6	1918.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1920.	132.0	L-3.740	L-1.572
SDev	2.	1.3	.307	1.850
%RSD	.1199	.9978	8.204	117.7
#1	1919.	132.9	L-3.957	L-.2632
#2	1922.	131.0	L-3.523	L-2.880

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19946	15000	--	--	--	--	--
SDev	24.74874	.0000000	--	--	--	--	--
%RSD	.1240756	.0000000	--	--	--	--	--
#1	19929	15000	--	--	--	--	--
#2	19964	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: SDI702297 #103 Operator:
Run Time: 04/22/95 22:03:41
Comment: SDG:04581M ClientID:MW1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1707	347.1	29.14	-.1780	1771.	-.3991	.6104
SDev	.1981	.0	.01	.0049	4.	.0413	.1819
%RSD	116.0	.0092	.0176	2.742	.2134	10.36	29.79
#1	-.3108	347.0	29.14	-.1814	1768.	-.3699	.4818
#2	-.0306	347.1	29.13	-.1745	1773.	-.4284	.7390
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3947	-.7278	500.7	305.9	722.7	5.826	L-.0645
SDev	.2401	.0700	3.0	3.4	.9	.023	.8826
%RSD	60.84	9.621	.6012	1.107	.1219	.4010	1369.
#1	.2249	-.7773	502.8	303.5	722.1	5.843	.5596
#2	.5645	-.6783	498.6	308.3	723.4	5.810	L-.6886
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1159.	.3883	-.3534	.8288	6.263	-.4647	3.125
SDev	20.	.3389	3.7473	.0611	.003	1.3267	1.038
%RSD	1.701	87.26	1060.	7.368	.0520	285.5	33.23
#1	1173.	.1487	-3.003	.7856	6.265	-1.403	3.859
#2	1145.	.6280	2.296	.8720	6.261	.4734	2.391
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6322	-.1250	.5217	-.9578	-1.910	1.901	-.5629
SDev	1.598	1.9715	.8443	2.4106	1.986	1.405	3.4318
%RSD	252.8	1577.	161.8	251.7	104.0	73.90	609.6
#1	-.4979	1.269	1.119	-2.662	-3.314	.9075	1.864
#2	1.762	-1.519	-.0753	.7467	-.5050	2.894	-2.990
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	4.965	21.67	L-.3915	L-1.592
SDev	.157	1.02	4.0568	.867
%RSD	3.153	4.729	1036.	54.45
#1	4.855	20.95	2.477	L-2.205
#2	5.076	22.40	L-3.260	L-.9792
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19912	15000	--	--	--	--	--
SDev	9.899495	.0000000	--	--	--	--	--
%RSD	.0497162	.0000000	--	--	--	--	--
#1	19905	15000	--	--	--	--	--
#2	19919	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702281 #104 Operator:
Run Time: 04/22/95 22:09:04
Comment: SDG:04581M ClientID:TRIPBLANK 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0744	167.6	.5739	-.2240	43.94	-.4897	.1314
SDev	.2352	.8	.0331	.010	.17	.0122	.0296
%RSD	316.1	.4637	5.762	4.459	.3889	2.496	22.51
#1	.0919	167.0	.5972	-.2169	44.06	-.4811	.1523
#2	-.2407	168.1	.5505	-.2311	43.82	-.4984	.1105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2778	.5422	24.11	79.04	5.674	.4757	L-.7406
SDev	.1683	.0296	1.38	7.60	.236	.0336	.1128
%RSD	60.59	5.469	5.730	9.613	4.163	7.068	15.23
#1	.3968	.5632	23.13	84.41	5.507	.4520	L-.6608
#2	.1588	.5212	25.08	73.66	5.841	.4995	L-.8203
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	852.4	-.9368	2.275	.0237	3.912	5.978	1.801
SDev	54.0	.0529	4.114	.1325	.271	.118	.826
%RSD	6.340	5.651	180.8	559.3	6.924	1.974	45.84
#1	890.7	-.9742	-.6341	-.0700	4.104	5.895	1.217
#2	814.2	-.8994	5.184	.1174	3.721	6.062	2.385
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9383	-.5647	7.328	5.304	-.3157	1.564	-1.449
SDev	.3734	.9535	.417	.385	1.3395	.109	.168
%RSD	39.79	168.8	5.693	7.263	424.2	6.973	11.61
#1	.6743	.1095	7.623	5.031	-1.263	1.641	-1.330
#2	1.202	-1.239	7.033	5.576	.6314	1.487	-1.568
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	3.424	L-.5517	L-1.990	.5311
SDev	1.322	.2952	3.871	.4566
%RSD	38.62	53.50	194.5	85.97
#1	2.489	L-.7604	L-4.727	.2083
#2	4.359	L-.3430	.7473	.8540

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19356	15000	--	--	--	--	--
SDev	30.40559	.0000000	--	--	--	--	--
%RSD	.1570821	.0000000	--	--	--	--	--
#1	19335	15000	--	--	--	--	--
#2	19378	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702301 #105 Operator:
Run Time: 04/22/95 22:14:27
Comment: SDG:04581M ClientID:MW3 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7572	2493.	82.04	-.0987	14570.	-.3516	1.811
SDev	.0619	2.	.05	.0016	22.	.0121	.127
%RSD	8.175	.0781	.0574	1.618	.1524	3.431	7.008
#1	-.7135	2491.	82.08	-.0998	14550.	-.3431	1.721
#2	-.8010	2494.	82.01	-.0976	14590.	-.3601	1.901
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.288	3.574	3601.	1441.	6092.	62.34	L-.0348
SDev	.025	.150	10.	8.	2.	.02	.1992
%RSD	.5844	4.188	.2840	.5249	.0322	.0271	572.3
#1	4.271	3.680	3594.	1447.	6093.	62.36	L-.1756
#2	4.306	3.468	3609.	1436.	6090.	62.33	.1060
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5173.	5.287	.4420	7.363	31.81	1.377	-2.245
SDev	51.	.105	2.563	.173	.33	.042	1.326
%RSD	.9838	1.988	579.8	2.353	1.029	3.050	59.09
#1	5209.	5.361	-1.370	7.240	32.04	1.347	-3.183
#2	5137.	5.212	2.254	7.485	31.58	1.407	-1.307
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3418	1.937	2.828	.6519	-3.011	.9900	-7.447
SDev	.2539	.232	.461	.2930	.683	.7219	4.060
%RSD	74.28	11.99	16.29	44.95	22.70	72.92	54.51
#1	-.5214	1.773	3.154	.4447	-2.528	.4796	-10.32
#2	-.1623	2.101	2.502	.8591	-3.494	1.500	-4.577
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	.3521	177.1	L-.9607	.1105
SDev	.0382	1.9	2.4960	1.582
%RSD	10.84	1.098	259.8	1432.
#1	.3791	178.4	L-2.726	1.229
#2	.3251	175.7	.8043	L-1.008
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20436	15000	--	--	--	--	--
SDev	48.79037	.0000000	--	--	--	--	--
%RSD	.2387413	.0000000	--	--	--	--	--
#1	20402	15000	--	--	--	--	--
#2	20471	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702305 #106 Operator:
Run Time: 04/22/95 22:19:51
Comment: SDG:04581M ClientID:MW5 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0875	144.6	591.3	-.2518	30460.	-.1239	-.1022
SDev	.1795	.6	1	.0081	100.	.1061	.0294
%RSD	205.1	.3862	.1640	3.217	.3288	85.59	28.81
#1	.0394	145.0	592.0	-.2576	30390.	-.1989	-.1230
#2	-.2145	144.2	590.7	-.2461	30530.	-.0489	-.0814
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3922	-.0408	11.84	1763.	10160.	9.955	L-.4300
SDev	.2056	.1005	6.97	6.	6.	.015	.0959
%RSD	52.44	246.2	58.86	.3244	.0570	.1533	22.31
#1	.5376	.0302	6.913	1767.	10150.	9.944	L-.4978
#2	.2468	-.1119	16.77	1759.	10160.	9.966	L-.3621
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7574.	1.932	-.5761	.5800	11.88	-.2220	.7118
SDev	54.	.689	.1531	.0712	.33	.2590	4.981
%RSD	.7184	35.66	26.57	12.27	2.806	116.7	699.8
#1	7535.	2.419	-.4678	.6303	11.64	-.0388	4.234
#2	7612.	1.445	-.6843	.5297	12.11	-.4052	-2.811
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1528	-2.394	2.076	-1.370	-2.414	.9754	-1.211
SDev	1.3840	1.060	.617	.696	.423	1.864	2.585
%RSD	905.6	44.26	29.71	50.83	17.52	191.1	213.5
#1	.8258	-3.144	1.640	-.8776	-2.115	2.293	.6174
#2	-1.131	-1.645	2.512	-1.862	-2.713	-.3425	-3.039
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1.671	L-.9708	L-2.035	.5243
SDev	6.178	.2129	1.830	1.348
%RSD	369.7	21.93	89.93	257.1
#1	6.039	L-.8202	L-3.329	L-.4290
#2	-2.697	L-1.121	L-.7409	1.478
Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19668	15000	--	--	--	--	--
SDev	21.92031	.0000000	--	--	--	--	--
%RSD	.1114545	.0000000	--	--	--	--	--
#1	19652	15000	--	--	--	--	--
#2	19683	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 10:30:33 PM page 1

Method: CLPSUE Sample Name: 702310 #107 Operator:
Run Time: 04/22/95 22:25:14
Comment: SDG:04581M ClientID:MW6 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.217	217.4	476.9	-.2056	41320.	.1140	19.81
SDev	.056	.0	.7	.0025	138.	.1103	.42
%RSD	4.578	.0213	.1479	1.223	.3330	96.78	2.107
#1	-1.256	217.5	477.4	-.2074	41220.	.0360	19.51
#2	-1.177	217.4	476.4	-.2038	41420.	.1920	20.10
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.405	-.2405	8301.	3090.	9639.	1562.	L-.1096
SDev	.086	.1799	22.	1.	11.	3.	.4955
%RSD	6.134	74.80	.2668	.0383	.1120	.1645	452.1
#1	1.466	-.3678	8285.	3091.	9631.	1560.	.2408
#2	1.344	-.1133	8317.	3090.	9647.	1564.	L-.4599
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18390.	6.062	-4.992	-.9815	8.643	-.9219	-.0736
SDev	13.	.090	.358	.2019	.101	.1905	.9743
%RSD	.0729	1.479	7.169	20.57	1.165	20.66	1324.
#1	18400.	5.999	-5.245	-1.124	8.714	-.7872	-.7625
#2	18380.	6.126	-4.739	-.8387	8.572	-1.057	.6153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7137	-2.014	.7015	-1.733	-1.254	-.4445	-5.260
SDev	1.6825	2.744	.7887	.108	.012	2.5164	1.082
%RSD	235.7	136.2	112.4	6.241	.9681	566.2	20.57
#1	-1.903	-3.954	1.259	-1.809	-1.263	-2.224	-6.025
#2	.4760	-.0737	.1438	-1.656	-1.246	1.335	-4.495
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	2.515	L-.6668	L-4.202	1.697
SDev	.920	.7890	2.754	1.101
%RSD	36.59	118.3	65.55	64.85
#1	1.864	L-1.225	L-6.149	2.476
#2	3.166	L-.1089	L-2.254	.9190

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19624	15000	--	--	--	--	--
SDev	30.40559	.0000000	--	--	--	--	--
%RSD	.1549369	.0000000	--	--	--	--	--
#1	19603	15000	--	--	--	--	--
#2	19646	15000	--	--	--	--	--

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 702313 #108 Operator:
Run Time: 04/22/95 22:30:38
Comment: SDG:04581M ClientID:MW7 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7178	2256.	426.4	-.1810	112500.	12.32	3.957
SDev	.2909	.	.2	.0158	168.	.13	.638
%RSD	40.53	.0183	.0391	8.713	.1493	1.083	16.14
#1	-.5121	2256.	426.2	-.1698	112400.	12.22	4.408
#2	-.9236	2257.	426.5	-.1921	112700.	12.41	3.505
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.117	7.291	5177.	21030.	12160.	1740.	3.189
SDev	.477	.131	1.	7.	1.	2.	.534
%RSD	9.321	1.791	.1901	.0333	.0083	.0905	16.74
#1	5.454	7.383	5170.	21030.	12160.	1739.	2.811
#2	4.780	7.199	5184.	21040.	12160.	1741.	3.567
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7244.	6.573	-2.071	6.107	36.74	3.289	.5206
SDev	67.	.337	3.445	.012	.36	.907	2.037
%RSD	.9238	5.120	166.3	.1977	.9712	27.58	391.3
#1	7292.	6.335	.3649	6.116	36.48	3.931	-.9197
#2	7197.	6.811	-4.507	6.099	36.99	2.648	1.961
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1496	2.329	5.232	2.319	-2.839	1.641	-7.948
SDev	.3841	1.663	1.258	.732	.366	.759	6.284
%RSD	256.8	71.39	24.05	31.58	12.90	46.24	79.06
#1	.4212	1.153	6.121	2.836	-3.098	2.178	-12.39
#2	-.1220	3.505	4.342	1.801	-2.580	1.105	-3.505
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	4.748	279.3	L-4.924	.9860
SDev	.084	.6	3.306	1.201
%RSD	1.766	.2122	67.15	121.8
#1	4.807	278.9	L-7.261	1.835
#2	4.689	279.8	L-2.586	.1366

Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19102	15000	--	--	--	--	--
SDev	45.96194	.0000000	--	--	--	--	--
%RSD	.2406069	.0000000	--	--	--	--	--
#1	19070	15000	--	--	--	--	--
#2	19135	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 10:41:21 PM page 1

Method: CLPSUE Sample Name: CCVB Operator:
Run Time: 04/22/95 22:36:02
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101.3	1928.	1031.	985.7	49370.	985.7	1012.
SDev	.3	4.	4.	1.1	208.	3.5	2.
%RSD	.3299	.1945	.3524	.1111	.4219	.3501	.2047
#1	101.6	1925.	1028.	986.4	49510.	988.2	1014.
#2	101.1	1930.	1034.	984.9	49220.	983.3	1011.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	977.2	1039.	2064.	50190.	48000.	999.1	993.6
SDev	4.1	4.	2.	178.	17.	2.3	.5
%RSD	.4219	.3422	.1106	.3538	.0350	.2340	.0463
#1	980.1	1037.	2066.	50060.	48010.	1001.	993.9
#2	974.3	1042.	2063.	50310.	47990.	997.5	993.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49730.	1004.	1067.	973.9	2100.	1035.	1026.
SDev	29.	.	6.	2.3	5.	1.	4.
%RSD	.0586	.0430	.5716	.2373	.2613	.0502	.3505
#1	49710.	1003.	1071.	975.5	2104.	1034.	1023.
#2	49750.	1004.	1062.	972.3	2097.	1035.	1028.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1006.	1009.	1046.	1029.	993.6	1012.	1027.
SDev	1.	6.	3.	2.	4.3	3.	6.
%RSD	.0615	.5605	.2440	.1995	.4314	.3031	.6121
#1	1005.	1013.	1048.	1028.	996.6	1009.	1032.
#2	1006.	1005.	1044.	1031.	990.5	1014.	1023.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1025.	996.7	999.7	1039.
SDev	9.	1.1	2.7	.
%RSD	.8323	.1059	.2672	.0155
#1	1019.	997.5	1002.	1039.
#2	1031.	996.0	997.9	1039.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19524	15000	--	--	--	--	--
SDev	28.28427	.0000000	--	--	--	--	--
%RSD	.1448692	.0000000	--	--	--	--	--
#1	19504	15000	--	--	--	--	--
#2	19544	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 10:46:46 PM page 1

Method: CLPSUE Sample Name: CCBB Operator:
Run Time: 04/22/95 22:41:27
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1838	45.83	.0501	-.1444	-7.660	-.0180	.3789
SDev	.1548	.86	.0013	.0053	.695	.0792	.1011
%RSD	84.18	1.874	2.528	3.655	9.069	439.2	26.69
#1	.0744	46.44	.0510	-.1482	-7.169	.0380	.3074
#2	.2933	45.22	.0492	-.1407	-8.152	-.0740	.4504
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0576	-1.274	-7.585	.8588	4.042	.1139	.6275
SDev	.3135	.050	2.677	1.873	1.894	.0528	.4276
%RSD	543.7	3.924	35.29	218.0	46.85	46.33	68.14
#1	.1640	-1.239	-9.478	-.4653	2.703	.1512	.9298
#2	-.2793	-1.309	-5.693	2.183	5.381	.0766	.3251
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	129.3	-.4064	-1.626	.2548	.3331	.3682	2.829
SDev	33.7	.3714	1.826	.0043	.0013	.5615	1.189
%RSD	26.06	91.40	112.3	1.692	.3744	152.5	42.03
#1	105.5	-.1437	-2.916	.2578	.3340	-.0289	1.988
#2	153.1	-.6690	-.3347	.2517	.3322	.7652	3.670
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4822	.4419	1.553	-.2237	-.4772	.9606	-.6454
SDev	1.462	2.979	.402	1.0423	.5628	1.911	.2100
%RSD	303.2	674.3	25.87	465.9	117.9	198.9	32.54
#1	-.5515	2.549	1.837	-.9607	-.8752	-.3904	-.4969
#2	1.516	-1.665	1.269	.5133	-.0793	2.312	-.7939
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	4.563	-2.360	-1.644	-1.061
SDev	1.887	2.432	.572	.342
%RSD	41.36	103.0	34.78	32.18
#1	3.228	-4.079	-1.240	-.8199
#2	5.898	-.6404	-2.048	-1.303
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20651	15000	--	--	--	--	--
SDev	46.66905	.0000000	--	--	--	--	--
%RSD	.2259893	.0000000	--	--	--	--	--
#1	20618	15000	--	--	--	--	--
#2	20684	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 10:52:09 PM page 1

Method: CLPSUE Sample Name: 702317 #111 Operator:
Run Time: 04/22/95 22:46:51
Comment: SDG:04581M ClientID:MW8 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0219	204.2	65.05	-.2012	43140.	-.1566	.9323
SDev	.0495	1.0	.08	.0282	6.	.1245	.0178
%RSD	226.3	.5093	.1278	14.03	.0134	79.50	1.911
#1	.0131	204.9	65.10	-.2212	43130.	-.2446	.9197
#2	-.0569	203.4	64.99	-.1813	43140.	-.0685	.9449
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.989	-.6880	148.6	7571.	17360.	190.2	6.417
SDev	.047	.0604	3.9	5.	2.	.2	.379
%RSD	2.386	8.773	2.615	.0651	.0129	.0887	5.899
#1	2.023	-.7306	145.9	7574.	17360.	190.3	6.684
#2	1.956	-.6453	151.4	7567.	17360.	190.1	6.149
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	39080.	2.838	2.382	2.555	7.614	-.2626	.8339
SDev	42.	.094	2.724	.011	.274	.3461	.0836
%RSD	.1067	3.312	114.4	.4336	3.602	131.8	10.02
#1	39110.	2.771	.4559	2.563	7.808	-.0179	.8930
#2	39050.	2.904	4.309	2.547	7.420	-.5073	.7748
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.089	.5227	1.528	-1.157	.2412	1.512	-3.046
SDev	.076	1.791	.620	.209	1.770	.997	.159
%RSD	6.972	342.7	40.55	18.10	733.5	65.97	5.219
#1	1.035	1.789	1.967	-1.009	1.492	.8066	-2.933
#2	1.143	-.7439	1.090	-1.306	-1.010	2.217	-3.158
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.770	7.161	L-14.03	L-.6251
SDev	.046	.686	5.49	3.3710
%RSD	1.658	9.573	39.11	539.3
#1	2.803	7.645	L-17.91	1.759
#2	2.738	6.676	L-10.15	L-3.009
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19743	15000	--	--	--	--	--
SDev	38.18377	.0000000	--	--	--	--	--
%RSD	.1934041	.0000000	--	--	--	--	--
#1	19716	15000	--	--	--	--	--
#2	19770	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 10:57:33 PM page 1

Method: CLPSUE Sample Name: 702319 #112 Operator:
Run Time: 04/22/95 22:52:15
Comment: SDG:04581M ClientID:MW10 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2364	226.1	93.07	-.2132	11650.	-.4464	.2627
SDev	.1919	.3	.00	.0258	12.	.2224	.0384
%RSD	81.19	.1450	.0010	12.09	.0996	49.81	14.63
#1	-.1007	226.3	93.07	-.2314	11660.	-.2892	.2355
#2	-.3721	225.8	93.07	-.1949	11640.	-.6036	.2899
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.632	2.145	234.4	4189.	4110.	9.920	1.007
SDev	.125	.010	.2	5.	5.	.084	.001
%RSD	3.438	.4780	.0716	.1303	.1141	.8455	.0955
#1	3.720	2.137	234.5	4193.	4113.	9.861	1.008
#2	3.544	2.152	234.3	4185.	4107.	9.979	1.007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4474.	4.854	2.677	1.730	8.495	.3252	.5526
SDev	32.	.148	4.010	.128	.178	1.326	1.860
%RSD	.7049	3.058	149.8	7.425	2.099	407.7	336.6
#1	4496.	4.959	-.1584	1.639	8.621	-.6124	1.868
#2	4451.	4.749	5.512	1.820	8.369	1.263	-.7626
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4081	-.3860	2.578	-.7999	-1.095	-.0659	-5.780
SDev	.2795	.9565	.142	1.9169	2.031	1.4331	1.396
%RSD	68.47	247.8	5.525	239.6	185.6	2173.	24.15
#1	-.2105	.2904	2.477	-2.155	-2.531	.9474	-4.793
#2	-.6057	-1.062	2.678	.5555	.3417	-1.079	-6.767
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	3.713	6.595	L-6.917	L-.6551
SDev	2.092	1.880	2.410	.5623
%RSD	56.33	28.50	34.84	85.85
#1	5.192	5.266	L-5.213	L-1.053
#2	2.234	7.924	L-8.622	L-.2574

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19816	15000	--	--	--	--	--
SDev	14.14214	.0000000	--	--	--	--	--
%RSD	.0713673	.0000000	--	--	--	--	--
#1	19806	15000	--	--	--	--	--
#2	19826	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 11:02:56 PM page 1

Method: CLPSUE Sample Name: 702323 #113 Operator:
Run Time: 04/22/95 22:57:38
Comment: SDG:04581M ClientID:MW11 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0175	142.9	295.3	-.2606	15240.	-.4853	5.867
SDev	.1300	1.4	.5	.0030	6.	.0242	.118
%RSD	742.5	.9518	.1588	1.145	.0385	4.988	2.011
#1	-.1094	141.9	295.0	-.2585	15230.	-.5025	5.951
#2	.0744	143.9	295.7	-.2627	15240.	-.4682	5.784
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0900	-.6844	7.935	1923.	7563.	224.7	L-.0226
SDev	.0028	.0599	2.791	2.	5.	.0	.2238
%RSD	3.146	8.753	35.17	.0896	.0609	.0022	991.3
#1	-.0880	-.6421	5.961	1922.	7567.	224.7	L-.1809
#2	-.0920	-.7268	9.908	1925.	7560.	224.7	.1357
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13590.	.9478	-3.731	.5061	6.947	.1755	1.370
SDev	22.	.2468	2.261	.0757	.101	.3571	.663
%RSD	.1651	26.04	60.61	14.96	1.450	203.5	48.42
#1	13610.	1.122	-5.330	.5597	7.018	.4280	1.839
#2	13580.	.7733	-2.132	.4526	6.876	-.0770	.9009
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4929	-.9899	1.372	-.4227	-1.320	1.397	.8033
SDev	.7717	1.5417	.548	.2618	.005	1.159	3.977
%RSD	156.6	155.7	39.93	61.94	.3632	82.98	495.1
#1	1.039	-2.080	1.760	-.2376	-1.323	2.217	-2.009
#2	-.0528	.1003	.9850	-.6079	-1.316	.5774	3.615
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	1.652	L-1.528	L-3.351	L-.1939
SDev	2.980	.143	2.150	1.2639
%RSD	180.4	9.349	64.15	651.9
#1	3.759	L-1.427	L-4.871	.6998
#2	-.4549	L-1.629	L-1.831	L-1.088
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19576	15000	--	--	--	--	--
SDev	36.76955	.0000000	--	--	--	--	--
%RSD	.1878297	.0000000	--	--	--	--	--
#1	19550	15000	--	--	--	--	--
#2	19602	15000	--	--	--	--	--

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Analysis Report Sat 04-22-95 11:08:20 PM page 1

Method: CLPSUE Sample Name: 702326 #114 Operator:
Run Time: 04/22/95 23:03:02
Comment: SDG:04581M ClientID:MW13 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0394	231.4	54.35	-.2480	1482.	-.1202	.3021
SDev	.1486	.6	.02	.0082	1.	.0309	.2499
%RSD	377.1	.2627	.0381	3.324	.0385	25.69	82.70
#1	.0657	230.9	54.34	-.2422	1482.	-.1421	.4788
#2	-.1444	231.8	54.37	-.2538	1483.	-.0984	.1254
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6238	-.7867	131.3	683.9	644.3	61.55	L-.1035
SDev	.1549	.0403	3.8	2.2	2.0	.00	.1426
%RSD	24.83	5.120	2.897	.3275	.3099	.0060	137.7
#1	.5143	-.8152	134.0	685.5	642.9	61.55	L-.0027
#2	.7334	-.7582	128.6	682.3	645.7	61.54	L-.2043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1463.	.6287	-3.974	.3101	7.125	.8092	1.837
SDev	1.	.1935	4.356	.2645	.191	.4994	.524
%RSD	.6800	30.78	109.6	85.30	2.682	61.72	28.52
#1	1470.	.7656	-.8935	.4971	7.260	1.162	2.208
#2	1456.	.4919	-7.054	.1231	6.989	.4560	1.467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0984	.8169	3.244	-.4072	-2.273	.9869	-3.301
SDev	.1412	.9424	.433	.5323	1.185	.8035	4.578
%RSD	143.5	115.4	13.36	130.7	52.15	81.42	138.7
#1	-.1982	.1505	3.551	-.0308	-1.435	.4187	-.0637
#2	.0015	1.483	2.938	-.7836	-3.112	1.555	-6.538
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	4.402	6.058	L-3.370	L-.1642
SDev	1.500	4.220	1.039	2.3785
%RSD	34.07	69.65	30.83	1449.
#1	3.341	9.041	L-2.635	1.518
#2	5.462	3.074	L-4.104	L-1.846
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19902	15000	--	--	--	--	--
SDev	53.03301	.0000000	--	--	--	--	--
%RSD	.2664774	.0000000	--	--	--	--	--
#1	19864	15000	--	--	--	--	--
#2	19939	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 11:13:43 PM page 1

Method: CLPSUE Sample Name: 702329 #115 Operator:
Run Time: 04/22/95 23:08:25
Comment: SDG:04581M ClientID:MW17 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2539	165.5	77.33	-.2692	25850.	-.1091	2.341
SDev	.2043	1.9	.07	.0027	1.	.0496	.052
%RSD	80.46	1.144	.0933	1.005	.0382	45.49	2.238
#1	.3983	166.8	77.39	-.2711	25840.	-.1442	2.378
#2	.1094	164.1	77.28	-.2673	25850.	-.0740	2.304
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5068	-.7435	63.71	8741.	3242.	829.9	L-.0455
SDev	.2884	.0197	1.98	5.	4.	.2	.1281
%RSD	56.91	2.652	3.111	.0550	.1185	.0234	281.5
#1	.7108	-.7296	62.31	8745.	3239.	829.7	.0451
#2	.3029	-.7575	65.11	8738.	3245.	830.0	L-.1361
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4260.	2.153	1.235	.9649	8.074	1.072	1.719
SDev	35.	.198	3.528	.0062	.188	.013	1.042
%RSD	.8307	9.211	285.7	.6407	2.327	1.207	60.64
#1	4285.	2.293	3.730	.9606	8.207	1.081	2.456
#2	4235.	2.013	-1.260	.9693	7.942	1.063	.9819
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4741	-.5083	2.703	.2568	-1.329	-.0477	-1.001
SDev	.8991	.8299	1.487	.7229	2.449	.1253	1.367
%RSD	189.6	163.3	55.01	281.4	184.2	262.4	136.6
#1	-1.110	.0786	3.754	-.2543	-3.061	-.1363	-1.967
#2	.1617	-1.095	1.651	.7680	.4024	.0408	-.0338
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	3.076	L-1.197	L-4.291	.7644
SDev	2.245	.190	1.663	1.286
%RSD	72.99	15.86	38.75	168.3
#1	4.664	L-1.331	L-3.115	1.674
#2	1.488	L-1.063	L-5.466	L-.1451

Errors	NOCHECK	LC Low	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19672	15000	--	--	--	--	--
SDev	34.64823	.0000000	--	--	--	--	--
%RSD	.1761342	.0000000	--	--	--	--	--
#1	19647	15000	--	--	--	--	--
#2	19696	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report Sat 04-22-95 11:19:07 PM page 1

Method: CLPSUE Sample Name: PDS702297 #116 Operator:
Run Time: 04/22/95 23:13:49
Comment: SDG:04581M ClientID:MW1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	16.44	1268.	141.9	11.38	8637.	11.28	116.0
SDev	.15	1.	.2	.01	13.	.06	.4
%RSD	.9034	.0962	.1639	.0590	.1471	.5547	.3770
#1	16.55	1269.	142.1	11.38	8628.	11.24	115.7
#2	16.34	1267.	141.7	11.37	8646.	11.33	116.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24.72	58.62	2494.	1364.	3564.	63.93	.2141
SDev	.03	.05	1.	6.	2.	.08	.4814
%RSD	.1152	.0855	.0255	.4683	.0546	.1182	224.8
#1	24.70	58.58	2494.	1369.	3563.	63.87	.5545
#2	24.74	58.65	2495.	1360.	3566.	63.98	L-.1263
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4047.	93.15	22.61	116.9	71.75	7.414	12.48
SDev	35.	.32	5.18	.1	.05	1.029	1.57
%RSD	.8619	.3448	22.89	.0865	.0755	13.88	12.61
#1	4072.	93.38	18.95	116.8	71.79	8.141	13.59
#2	4022.	92.92	26.27	117.0	71.71	6.686	11.37
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	138.5	24.07	9.044	6.599	135.9	139.7	10.50
SDev	.0	.42	.098	1.591	.7	.3	1.54
%RSD	.0326	1.747	1.079	24.11	.4960	.1924	14.63
#1	138.4	23.77	8.975	7.724	135.4	139.9	9.417
#2	138.5	24.36	9.113	5.474	136.4	139.6	11.59
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	13.46	110.2	L-.1551	.4145
SDev	3.13	.4	1.0384	.1146
%RSD	23.22	.3484	669.6	27.64
#1	15.68	109.9	L-.8893	.3335
#2	11.25	110.4	.5792	.4955
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20248	15000	--	--	--	--	--
SDev	38.89087	.0000000	--	--	--	--	--
%RSD	.1920679	.0000000	--	--	--	--	--
#1	20221	15000	--	--	--	--	--
#2	20276	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: PDS701510 #117 Operator:
Run Time: 04/22/95 23:19:12
Comment: SDG:MBNF79 ClientID:MBNF85A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-246.7	5089.	821.1	10.13	4204.	74.63	268.7
SDev	.5	4.	1.2	.04	35.	2.12	.5
%RSD	.2208	.0842	.1450	.4317	.8211	2.836	.1909
#1	L-246.4	5092.	821.9	10.10	4180.	76.13	268.3
#2	L-247.1	5086.	820.2	10.16	4228.	73.13	269.1
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	620.7	3665.	H1472000.	1610.	566.5	7093.	112.6
SDev	3.3	15.	8010.	20.	3.4	32.	2.7
%RSD	.5336	.4151	.5442	1.213	.5990	.4519	2.398
#1	618.4	3676.	H1466000.	1624.	564.1	7071.	110.7
#2	623.1	3654.	H1478000.	1596.	568.9	7116.	114.5
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8210.	1109.	95.82	L-90.73	2276.	1306.	56.47
SDev	17.	8.	1.82	.95	10.	8.	2.20
%RSD	.2033	.7156	1.899	1.051	.4478	.6332	3.902
#1	8198.	1103.	94.54	L-90.05	2269.	1300.	58.03
#2	8222.	1115.	97.11	L-91.40	2284.	1312.	54.92
Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	174.4	219.7	1338.	1290.	172.4	175.4	44.09
SDev	1.6	.3	6.	9.	1.1	1.9	2.97
%RSD	.9252	.1545	.4743	.7155	.6405	1.065	6.737
#1	173.3	219.5	1334.	1284.	171.7	174.1	46.19
#2	175.6	220.0	1343.	1297.	173.2	176.7	41.99
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Avge	62.65	533.7	203.1	28.51
SDev	1.82	4.2	2.7	.55
%RSD	2.906	.7829	1.325	1.941
#1	63.94	530.8	201.2	28.90
#2	61.37	536.7	205.0	28.12
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19159	15000	--	--	--	--	--
SDev	18.38478	.0000000	--	--	--	--	--
%RSD	.0959590	.0000000	--	--	--	--	--
#1	19172	15000	--	--	--	--	--
#2	19146	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: PDS701544 #118 Operator:
Run Time: 04/22/95 23:24:36
Comment: SDG:304089 ClientID:MW-309RA 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.21	122.8	59.62	11.27	93350.	11.57	122.8
SDev	.17	2.6	.13	.01	123.	.01	.2
%RSD	.9022	2.100	.2238	.0677	.1314	.1172	.1744
#1	19.33	121.0	59.53	11.28	93440.	11.56	122.9
#2	19.09	124.6	59.72	11.27	93270.	11.58	122.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	24.03	66.51	72.96	2397.	28100.	103.7	1.409
SDev	.08	.20	1.63	2.	17.	.1	.570
%RSD	.3143	.3009	2.239	.0969	.0591	.1034	40.48
#1	24.08	66.37	74.11	2395.	28110.	103.8	1.812
#2	23.97	66.66	71.80	2398.	28090.	103.6	1.006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	60290.	121.9	28.56	115.9	56.07	7.131	12.81
SDev	24.	.6	.81	.2	.17	.113	2.05
%RSD	.0397	.4794	2.830	.1710	.2964	1.585	16.01
#1	60300.	121.5	29.13	116.1	56.18	7.051	14.26
#2	60270.	122.3	27.99	115.8	55.95	7.210	11.36
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	143.3	23.00	9.395	5.999	141.2	144.4	11.91
SDev	1.7	.1	1.185	.422	1.8	1.6	.79
%RSD	1.192	.4336	12.61	7.037	1.295	1.142	6.664
#1	142.1	23.07	8.557	6.298	139.9	143.2	12.47
#2	144.5	22.93	10.23	5.701	142.4	145.6	11.35
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	13.25	L-1.437	L-10.59	L-.3781
SDev	2.68	.180	4.66	1.0551
%RSD	20.21	12.50	43.98	279.0
#1	15.15	L-1.310	L-13.88	.3679
#2	11.36	L-1.564	L-7.295	L-1.124
Errors	NOCHECK	LC Low	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19436	15000	--	--	--	--	--
SDev	57.27565	.0000000	--	--	--	--	--
%RSD	.2946960	.0000000	--	--	--	--	--
#1	19395	15000	--	--	--	--	--
#2	19476	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: PDS699549 #119 Operator:
Run Time: 04/22/95 23:30:00
Comment: SDG:203828 ClientID:C44SF7006A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.19	23510.	157.4	11.20	10410.	11.44	140.5
SDev	.07	19.	.8	.12	157.	.27	1.1
%RSD	.6637	.0790	.5241	1.102	1.506	2.322	.7630
#1	11.14	23490.	158.0	11.12	10300.	11.25	139.8
#2	11.24	23520.	156.8	11.29	10520.	11.63	141.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.85	93.53	44720.	8451.	13580.	2479.	.8795
SDev	1.21	.64	341.	66.	45.	19.	.2129
%RSD	2.131	.6801	.7632	.7858	.3289	.7854	24.20
#1	56.00	93.98	44480.	8498.	13550.	2465.	1.030
#2	57.71	93.08	44960.	8404.	13610.	2493.	.7290
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1658.	112.8	19.78	185.6	190.1	17.14	13.88
SDev	8.	1.6	3.57	1.2	1.9	.07	1.0
%RSD	.4659	1.382	18.04	.6425	1.012	.4194	7.192
#1	-1664.	111.7	17.26	184.7	188.7	17.19	14.59
#2	-1653.	113.9	22.30	186.4	191.5	17.09	13.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	135.8	21.28	25.65	12.89	133.7	136.9	3.889
SDev	.4	.88	2.68	1.23	1.6	.2	1.019
%RSD	.3220	4.118	10.43	9.528	1.222	.1167	26.19
#1	136.1	21.90	27.54	12.02	134.8	136.8	4.609
#2	135.5	20.66	23.76	13.76	132.5	137.0	3.169
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	18.87	3362.	L-5.014	L-4.791
SDev	.99	14.	3.716	1.902
%RSD	5.238	.4107	74.11	39.69
#1	19.57	3352.	L-7.641	L-3.447
#2	18.17	3371.	L-2.386	L-6.136

Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20122	15000	--	--	--	--	--
SDev	6.363961	.0000000	--	--	--	--	--
%RSD	.0316277	.0000000	--	--	--	--	--
#1	20126	15000	--	--	--	--	--
#2	20117	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 11:40:42 PM page 1

Method: CLPSUE Sample Name: CCVB Operator:
Run Time: 04/22/95 23:35:23
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	102.1	1934.	1031.	989.6	49650.	988.3	1015.
SDev	.1	2.	1.	.8	47.	.8	1.
%RSD	.0970	.0787	.0773	.0804	.0954	.0829	.1022
#1	102.1	1933.	1031.	989.1	49620.	988.9	1015.
#2	102.2	1935.	1030.	990.2	49680.	987.8	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	982.6	1043.	2088.	50040.	47980.	1004.	996.6
SDev	.4	1.	2.	35.	39.	1.	1.4
%RSD	.0402	.1348	.0821	.0700	.0803	.0847	.1364
#1	982.9	1042.	2087.	50070.	47950.	1003.	997.6
#2	982.3	1044.	2089.	50020.	48010.	1004.	995.7
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49760.	1007.	1066.	972.8	2109.	1040.	1020.
SDev	89.	1.	6.	.8	3.	3.	2.
%RSD	.1784	.1230	.6084	.0868	.1198	.3330	.2005
#1	49820.	1006.	1062.	972.2	2108.	1037.	1018.
#2	49690.	1008.	1071.	973.4	2111.	1042.	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1010.	1044.	1037.	995.5	1007.	1019.
SDev	.	3.	1.	5.	3.7	1.	1.
%RSD	.0337	.2820	.1057	.4472	.3677	.1312	.0730
#1	1003.	1008.	1043.	1034.	992.9	1008.	1018.
#2	1003.	1012.	1045.	1041.	998.1	1006.	1019.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	1021.	994.4	1001.	1036.
SDev	3.	1.2	7.	4.
%RSD	.2640	.1251	.7118	.3419
#1	1019.	993.5	1006.	1039.
#2	1022.	995.3	996.1	1034.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19652	15000	--	--	--	--	--
SDev	23.33452	.0000000	--	--	--	--	--
%RSD	.1187417	.0000000	--	--	--	--	--
#1	19635	15000	--	--	--	--	--
#2	19668	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sat 04-22-95 11:46:07 PM page 1

Method: CLPSUE Sample Name: CCBB Operator:
Run Time: 04/22/95 23:40:48
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0700	45.25	.0639	-.1102	-10.40	-.0587	.1634
SDev	.0186	1.10	.0226	.0077	.09	.0285	.1110
%RSD	26.52	2.428	35.34	6.986	.8257	48.52	67.95
#1	-.0569	46.02	.0799	-.1047	-10.34	-.0788	.0849
#2	-.0832	44.47	.0479	-.1156	-10.46	-.0385	.2418
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0837	-1.430	2.302	-5.870	4.396	.1684	-.3715
SDev	.0412	.030	1.993	4.749	.018	.0325	.7453
%RSD	49.19	2.113	86.58	80.91	.4018	19.32	200.6
#1	-.0546	-1.408	.8928	-2.512	4.408	.1454	.1555
#2	-.1128	-1.451	3.712	-9.228	4.383	.1914	-.8985
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	85.26	.0541	-1.528	.2519	.4506	.5573	1.087
SDev	4.06	.2803	4.181	.1233	.1643	.1267	.031
%RSD	4.762	518.6	273.7	48.95	36.46	22.74	2.816
#1	88.13	-.1442	-4.484	.1647	.3344	.6469	1.109
#2	82.39	.2523	1.429	.3391	.5667	.4676	1.066
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.573	1.825	1.902	-.1144	-.0901	2.402	-2.758
SDev	1.074	.003	2.532	1.0739	1.3161	.954	.182
%RSD	68.32	.1802	133.1	938.5	1460.	39.70	6.600
#1	.8129	1.823	3.692	-.8738	-1.021	1.728	-2.887
#2	2.332	1.827	.1113	.6450	.8405	3.076	-2.630
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	3.007	-1.572	-3.803	-1.162
SDev	.137	.700	.136	.573
%RSD	4.549	44.50	3.581	49.27
#1	3.103	-2.067	-3.706	-1.567
#2	2.910	-1.078	-3.899	-.7571
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20628	15000	--	--	--	--	--
SDev	32.52691	.0000000	--	--	--	--	--
%RSD	.1576833	.0000000	--	--	--	--	--
#1	20605	15000	--	--	--	--	--
#2	20651	15000	--	--	--	--	--

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Analysis Report QC Standard Sat 04-22-95 11:51:30 PM page 1

Method: CLPSUE Sample Name: CRI Operator:
Run Time: 04/22/95 23:46:12
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	17.11	61.06	.2441	9.990	5.997	10.08	100.4
SDev	.19	.54	.0073	.015	.910	.02	.1
%RSD	1.085	.8847	3.001	.1511	15.18	.2372	.1361
#1	17.24	60.68	.2389	10.00	6.640	10.10	100.3
#2	16.98	61.44	.2493	9.979	5.353	10.07	100.5
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK
Value	20.00			10.00			
Range	50.00			50.00			

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.21	52.22	6.134	-6.490	11.96	30.94	46.49
SDev	.06	.09	2.033	.146	.26	.05	.17
%RSD	.3342	.1722	33.14	2.243	2.145	.1708	.3688
#1	19.17	52.15	7.572	-6.593	12.14	30.97	46.61
#2	19.26	52.28	4.697	-6.388	11.77	30.90	46.37
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value		50.00				30.00	
Range		50.00				50.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	93.61	80.83	19.68	98.90	43.67	5.538	12.17
SDev	17.48	.61	2.88	.01	.05	.058	1.27
%RSD	18.67	.7511	14.62	.0053	.1219	1.053	10.41
#1	81.25	80.40	21.72	98.90	43.63	5.579	13.06
#2	106.0	81.26	17.65	98.91	43.70	5.496	11.27
Errors	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value		80.00	20.00	100.0	40.00	6.000	10.00
Range		50.00	50.00	50.00	50.00	50.00	50.00

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	122.2	21.95	5.700	5.456	119.3	123.7	5.343
SDev	1.5	1.26	.487	.156	.0	2.3	.741
%RSD	1.232	5.736	8.550	2.856	.0039	1.828	13.87
#1	121.2	22.84	6.044	5.346	119.3	122.1	4.819
#2	123.3	21.06	5.355	5.566	119.3	125.3	5.867
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	120.0	20.00					
Range	50.00	50.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	15.58	26.86	44.49	297.2
SDev	2.27	.42	2.09	1.9
%RSD	14.57	1.577	4.697	.6234
#1	17.18	26.56	45.96	298.5
#2	13.97	27.16	43.01	295.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20341	15000	--	--	--	--	--
SDev	14.14214	.0000000	--	--	--	--	--
%RSD	.0695253	.0000000	--	--	--	--	--
#1	20331	15000	--	--	--	--	--
#2	20351	15000	--	--	--	--	--

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Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 04/22/95 23:51:35
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-36.27	541300.	-.6257	-.1961	431800.	11.21	-.0042
SDev	.13	156.	.0086	.0123	905.	.41	.2769
%RSD	.3584	.0288	1.379	6.292	.2095	3.617	6655.
#1	-36.18	541500.	-.6318	-.1873	431100.	11.50	.1916
#2	-36.36	541200.	-.6196	-.2048	432400.	10.93	-.1999
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.01	-9.765	197000.	3.381	496200.	-87.22	-.9350
SDev	.15	.049	214.	1.534	391.	.07	.7084
%RSD	.7954	.5033	.1088	45.38	.0788	.0770	75.77
#1	18.91	-9.730	196800.	4.466	495900.	-87.17	-1.436
#2	19.12	-9.800	197100.	2.296	496500.	-87.27	-.4341
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	20.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	419.3	-5.733	-13.49	-79.70	-2.147	7.703	.7020
SDev	2.7	.164	.97	.09	.451	.878	6.250
%RSD	.6506	2.865	7.187	.1146	21.02	11.40	890.4
#1	417.4	-5.617	-12.80	-79.77	-2.466	7.082	-3.718
#2	421.3	-5.849	-14.17	-79.64	-1.828	8.324	5.122
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.255	-2.220	10.09	6.509	-12.72	4.467	-3.332
SDev	1.384	1.923	.31	1.164	2.36	.894	3.536
%RSD	110.2	86.61	3.023	17.89	18.59	20.02	106.1
#1	-.2769	-.8604	9.877	5.686	-11.05	5.099	-5.832
#2	-2.234	-3.579	10.31	7.333	-14.39	3.835	-.8314
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	2.715	14.79	-13.26	5.398
SDev	7.606	.55	6.41	1.979
%RSD	280.1	3.697	48.36	36.66
#1	-2.663	15.18	-8.726	3.999
#2	8.093	14.41	-17.80	6.797
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18072	15000	--	--	--	--	--
SDev	53.03301	.0000000	--	--	--	--	--
%RSD	.2934459	.0000000	--	--	--	--	--
#1	18035	15000	--	--	--	--	--
#2	18110	15000	--	--	--	--	--

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Analysis Report QC Standard Sun 04-23-95 00:02:15 AM page 1

Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 04/22/95 23:56:57
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	973.6	541100.	526.6	485.2	Q435900.	960.2	533.1
SDev	3.6	196.	1	1.2	2051.	1.5	1.5
%RSD	.3732	.0362	.1880	.2387	.4706	.1565	.2846
#1	971.1	540900.	527.3	484.3	Q434500.	959.1	532.1
#2	976.2	541200.	525.9	486.0	Q437400.	961.3	534.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	495.8	557.6	197800.	-3.628	499900.	409.7	992.8
SDev	2.0	.1	474.	3.250	1034.	.9	1.9
%RSD	.4021	.0212	.2395	89.57	.2068	.2177	.1897
#1	494.4	557.6	197500.	-1.330	499200.	409.1	991.5
#2	497.3	557.7	198200.	-5.926	500600.	410.4	994.1
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-506.2	972.0	-6.003	398.6	1073.	5097.	4.992
SDev	120.6	1.9	1.778	1.4	2.	16.	6.411
%RSD	23.81	.1965	29.61	.3592	.2072	.3051	128.4
#1	-421.0	970.7	-7.260	397.6	1071.	5086.	9.525
#2	-591.5	973.4	-4.746	399.7	1074.	5108.	.4587
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.326	-.0386	5240.	5025.	-16.53	-2.731	1.889
SDev	1.294	7.2217	13.	17.	3.73	.079	16.38
%RSD	17.66	18720.	.2566	.3303	22.54	2.901	867.4
#1	-8.241	-5.145	5231.	5013.	-19.17	-2.787	13.47
#2	-6.412	5.068	5250.	5037.	-13.90	-2.675	-9.695
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

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Avge	6.541	1008.	1056.	1105.
SDev	1.433	2.	5.	4.
%RSD	21.91	.1532	.4367	.3479
#1	7.554	1007.	1053.	1107.
#2	5.527	1009.	1059.	1102.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	18044	15000	--	--	--	--	--
SDev	43.13351	.0000000	--	--	--	--	--
%RSD	.2390397	.0000000	--	--	--	--	--
#1	18014	15000	--	--	--	--	--
#2	18075	15000	--	--	--	--	--

Analysis Report QC Standard Sun 04-23-95 00:07:46 AM page 1

Method: CLPSUE Sample Name: CCVB Operator:
Run Time: 04/23/95 00:02:27
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	102.4	1968.	1029.	990.3	49660.	987.0	1015.
SDev	.2	4.	1.	.6	62.	.0	1.
%RSD	.1813	.2099	.0770	.0628	.1246	.0017	.0604
#1	102.3	1971.	1030.	989.9	49610.	987.0	1015.
#2	102.6	1966.	1029.	990.8	49700.	987.0	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	982.8	1046.	2088.	50010.	48350.	1004.	992.9
SDev	1.0	.	6.	33.	30.	1.	1.9
%RSD	.1028	.0039	.2799	.0658	.0630	.1076	.1938
#1	982.1	1046.	2092.	50030.	48330.	1003.	991.6
#2	983.6	1046.	2084.	49980.	48370.	1005.	994.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	49760.	1007.	1066.	972.0	2109.	1038.	1018.
SDev	76.	1.	6.	.2	.	.	5.
%RSD	.1535	.0613	.6012	.0233	.0195	.0077	.4626
#1	49820.	1006.	1061.	972.2	2109.	1038.	1022.
#2	49710.	1007.	1070.	971.8	2109.	1038.	1015.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1009.	1048.	1033.	990.5	1009.	1014.
SDev	1.	7.	4.	2.	3.7	1.	5.
%RSD	.0767	.7317	.3778	.2031	.3731	.0687	.4445
#1	1002.	1014.	1051.	1031.	987.9	1009.	1017.
#2	1003.	1004.	1046.	1034.	993.1	1008.	1011.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Analysis Report QC Standard Sun 04-23-95 00:07:46 AM page 2

Avge	1021.	994.4	1006.	1038.
SDev	5.	.4	.	.
%RSD	.4716	.0432	.0034	.0131
#1	1024.	994.1	1006.	1038.
#2	1017.	994.7	1006.	1039.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	19686	15000	--	--	--	--	--
SDev	15.55635	.0000000	--	--	--	--	--
%RSD	.0790224	.0000000	--	--	--	--	--
#1	19675	15000	--	--	--	--	--
#2	19697	15000	--	--	--	--	--

INORGANIC SDG 04581M

Analysis Report QC Standard Sun 04-23-95 00:13:13 AM page 1

Method: CLPSUE Sample Name: CCBB Operator:
Run Time: 04/23/95 00:07:53
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1838	62.29	.0845	-.1074	.3111	.0338	.4388
SDev	.1052	.22	.0061	.0164	2.541	.1780	.2966
%RSD	57.24	.3577	7.222	15.27	816.5	526.9	67.61
#1	.2583	62.45	.0888	-.0958	2.108	-.0921	.2290
#2	.1094	62.13	.0802	-.1190	-1.485	.1597	.6485
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2188	-1.388	2.781	-2.893	17.67	.0558	.5866
SDev	.0775	.030	2.668	4.304	2.40	.0240	.4264
%RSD	35.40	2.147	95.95	148.8	13.58	43.01	72.68
#1	-.1640	-1.367	.8943	.1504	19.37	.0388	.8881
#2	-.2736	-1.409	4.668	-5.936	15.98	.0727	.2851
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V_2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	154.5	-.5422	-.4867	.3892	.4504	-1.196	.7434
SDev	18.5	.5611	1.5767	.3346	.1654	1.217	2.425
%RSD	11.94	103.5	323.9	85.98	36.73	101.8	326.2
#1	167.6	-.1454	.6282	.1526	.5673	-.3355	2.458
#2	141.5	-.9390	-1.602	.6258	.3334	-2.057	-.9713
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5622	.0085	.0639	-1.826	-1.322	1.502	-.6626
SDev	1.196	.3891	.4174	1.616	2.310	.639	5.9670
%RSD	212.7	4583.	653.1	88.53	174.7	42.54	900.5
#1	1.408	-.2667	.3591	-.6828	.3109	1.954	3.557
#2	-.2832	.2837	-.2313	-2.969	-2.956	1.050	-4.882
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter

Analysis Report QC Standard Sun 04-23-95 00:13:13 AM page 2

Avge	1.445	-.5248	-4.120	.7854
SDev	.657	.2234	1.745	.4896
%RSD	45.45	42.57	42.35	62.34
#1	1.909	-.3669	-2.886	1.132
#2	.9804	-.6828	-5.354	.4392
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

IntStd	1	2	3	4	5	6	7
Mode	*Counts	Time	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	20596	15000	--	--	--	--	--
SDev	3.535534	.0000000	--	--	--	--	--
%RSD	.0171665	.0000000	--	--	--	--	--
#1	20598	15000	--	--	--	--	--
#2	20593	15000	--	--	--	--	--

COMPUCHEM ENVI. CORP. LOGBOOK 1 QQQQ 5

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Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
Standard blank (S0, ICB, CCB)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR 189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR 189-7) Bring up to volume with deionized water. Prepare daily.	DMH	4/22/95
Standard XCL-11 (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR 189-4) Pipet 0.2 ml XCL-11 (Ref#: FMR 183-16) into flask. 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR 189-7) Bring up to volume with deionized water. Prepare daily.	DMH	4/22/95
Standard XCL-2 (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR 189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR 189-7) Pipet 0.2 ml XCL-2 (Ref#: FMR 183-17) into flask. Bring up to volume with deionized water. Prepare daily.	DMH	4/22/95
Standard XCL-3A	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR 189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR 189-7) Pipet 1.0 ml XCL-3A (Ref#: FMR 190-14) into flask. Bring up to volume with deionized water. Prepare daily.	DMH	4/22/95
Standard PLSB2-2X (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR 189-4) 0.2 ml of Sn (Ref#: FMR 191-10) 0.2 ml of Bi (Ref#: FMR 188-13) 0.2 ml of Ti (Ref#: FMR 188-15) 0.2 ml of Zr (Ref#: NR) 0.2 ml of Sb (Ref#: FMR 189-3) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR 189-7) Bring up to volume with deionized water. Prepare daily. 0.5 ml 2x FMR-185-14	DMH	4/22/95

*1.0 ml of yttrium (Ref#: FMR-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature]

Date: 4-23-95
4-21-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
Standard STD3	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) 1.0 ml of 10,000-ppm Al standard (Ref#: FMC 183-5) 0.5 ml of 10,000-ppm Fe standard (Ref#: FMC 188-17) 1.0 ml of 10,000-ppm Mg standard (Ref#: FMC 183-6) 1.0 ml of 10,000-ppm Ca standard (Ref#: FMC 183-4) Bring up to volume with deionized water. Prepare daily.	[illegible]	4/22/95
CCV solution (CVS1)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) 0.2 ml of Sb (Ref#: FMC 187-3) 0.2 ml of Sn (Ref#: FMC 191-10) 0.2 ml of Bi (Ref#: FMC 183-13) 0.2 ml of Ti (Ref#: FMC 188-14) 0.2 ml of Al (Ref#: FMC 187-4) 0.2 ml of Fe (Ref#: FMC 178-10) Pipet 0.2 ml XCL-2 (Ref#: FMC 183-17) into flask. Pipet 0.2 ml XCL-11 (Ref#: FMC 183-16) into flask. Pipet 1.0 ml XCL-3A (Ref#: FMC 190-14) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed. 0.2 mL 2nd FMC 185-14	[illegible]	4/22/95
ICV1 solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Pipet 20.0 ml ICV1 (Ref#: FMC 191-3) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	4/19/95
ICV3 solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Pipet 20.0 ml ICV3 (Ref# FMC 187-7) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed. [+20 mL ICV-2 FMC 190-13] [+20 mL ICV-4 FMC 190-7]	PEC	4/19/95

*1.0 ml of yttrium (Ref#: FMC 190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [illegible] Date: 4-23-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
SPEXAS solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7m2-189-7) Pipet 0.2 ml As (Ref#: 7m2-185-12) into flask. Pipet 0.2 ml Tl (Ref#: 7m2-174-4) into flask Pipet 0.2 ml Pb (Ref#: 7m2-182-8) into flask. Pipet 0.2 ml Se (Ref#: 7m2-182-9) into flask. Pipet 0.2 ml of Sn (Ref#: 7m2-191-5) into flask. Pipet 0.2 ml of Bi (Ref#: 7m2-184-5) into flask. Pipet 0.2 ml of Ti (Ref#: 7m2-184-6) into flask. Pipet 0.2 ml of Mo (Ref#: 7m2-184-17) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	4/19/95
Intercheck solution A (ICSA)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7m2-189-7) Pipet 20.0 ml ICSA (Ref#: 7m2-187-6) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle.	PEC	4/19/95
Intercheck solution AB (ICSAB)	Place in a 200-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: 7m2-189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: 7m2-189-7) Pipet 20.0 ml ICSA (Ref#: 7m2-187-6) into flask. Pipet 20.0 ml ICSB (Ref#: 7m2-188-3) into flask. Bring up to volume with deionized water.	PEC	4/19/95

*1.0 ml of yttrium (Ref#: 7m2-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature]

Date: 4-23-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
CRI solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC-189-7) Pipet 0.20 CRDL-1 Ref#: FMC-187-14 into flask. Pipet 0.06 ml Bi 1000 standard (Ref#: FMC-188-13) into flask. Pipet 0.025 ml Sn 1000 standard (Ref#: FMC-191-5) into flask. Pipet 0.005 ml Mo 1000 standard (Ref#: FMC-184-17) into flask. Pipet NR ml Li 1000 standard (Ref#: NR) into flask. Pipet 0.004 ml Ti 1000 standard (Ref#: FMC-188-15) into flask. Pipet NR ml NR 1000 standard (Ref#: NR) into flask. Pipet NR ml NR 1000 standard (Ref#: NR) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	4/19/95
Dissolved Metals Only:			
LCS	Add 1.0 ml of LCSW solution (Ref#: NR) to 9.0 ml of deionized water (1% HNO_3 [Baker Instra-analyzed Trace Metals grade, Ref#: NR]+5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NR]).	NR	NR
Prep Blank	Use acidified water (1% HNO_3 [Baker Instra-analyzed Trace Metals grade, Ref#: NR]+5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NR]).	↓	↓
Sample Spike	Add 0.1 ml of XCL-19 (Ref#: NR) to 10.0 ml of sample.	↓	↓

*1.0 ml of yttrium (Ref#: FMC-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 4-23-95

Trace ICP Runlog (P3)

Page 1 of 3

Date: 4-23-95

Method (Circle one.): * 409418
409383
409527
409391
409424

CLP 200.7
SW-846 6010

Operator D. Harris / D. Tete
Case Name: "*"
File Name: DMH0423Z
WSL.NAME: P342353.WSL

#	Sample ID	Comments	Action Needed	#	Sample ID	Comments	Action Needed
	ICV			1	DJ 4-24-95 701201	LCSS 1:2	
	ICB			2	701201	LCSS 1:10	
	ICSAI			3	701153	LCSW	
	ICSABI			4	701284		
	P3CRII			5	701189	Dup	
	CCV			6	701186	Spk	
	CCB			7	701187	Spk	
1	705024	PBS		8	701284	SDI 1:5	
2	704573	PBS		9	701185		
3	704571	PBW		10	701213		
4	704311	PBS			CCV		
5	704238	PBW			CCB		
6	701188	LCSS 1:2		1	701219		
7	701188	LCSS 1:10		2	701241		
8	123123	sample out of range		3	701244		
9	701174	LCSS 1:10		4	701248		
10	700028	LCSW		5	701265		
	CCV			6	701281		
	CCB			7	701294		
				8	701297		
				9	701306		
				10	701309		
					CCV		
					CCB		

COMMENTS:

Reviewed by: D. Harris

Date: 4/24/95

Trace ICP Runlog (P3)

Page 2 of 3

Date: 4-23-95

Operator D. Harris/D. Sete

Case Name: Same

File Name:

WSL.NAME: ✓

Method (Circle one.):

~~CLP~~ ~~200.7~~

SW-846 6010

#	Sample ID	Comments	Action Needed
	ICV		
	ICB		
	ICSAI		
	ICSABI		
	P3CRII	DJ 4-24-95	
	CCV		
	CCB		
1	701287		
2	701175	Dup	
3	701172	spk	
4	701173	spk	
5	701287	SDI 1:5	
6	701170		
7	701216		
8	701222		
9	701225		
10	701232		
	CCV		
	CCB		

#	Sample ID	Comments	Action Needed
1	701235		
2	701238		
3	701251		
4	701276		
5	701279		
6	701290		
7	701300		
8	701303		
9	700025		
10	700029	DUP	
	CCV		
	CCB		
1	701174	LCSS 1:2	
2	CAI		
3	ICSA		
4	ICSAB		
5			
6			
7			
8		DJ 4-24-95	
9			
10			
	CCV		
	CCB		

COMMENTS:

Reviewed by: [signature]

Date: 4/24/95

Trace ICP Runlog (P3)

Page 3 of 3

Date: 4-23-95

Operator D. Harris / D. Jeter

Case Name: Same

File Name:

WSL.NAME:

Method (Circle one.):

CLP 200.7

SW-846 6010

#	Sample ID	Comments	Action Needed
	ICV		
	ICB		
	ICSAI		
	ICSABI		
	P3CRII	DJ 4-24-95	
	CCV		
	CCB		
1	700026	SPK	
2	700027	SPK	
3	700025	SDI 1:5	
4	700073		
5	701206		
6	701202	DUP	
7	701199	SPK	
8	701200	SPK	
9	701206	SDI 1:5	
10	701198		
	CCV		
	CCB		

#	Sample ID	Comments	Action Needed
1	701209		
2	701158		
3	701154	DUP	
4	701151	SPK	
5	701152	SPK	
6	701158	SDI 1:5	
7	701148		
8	701155		
9	701162		
10	701158	PDS 2x CRDL	
	CCV		
	CCB		
1	701287	PDS Sb=2xCRDL	
2	701284	PDS Sb, Se, Ag = 2xCRDL	
3	701206	PDS Sb=2xCRDL	
4	700025	PDS 2xCRDL	
5	702297	PDS Fe @ 5000 ug/L	
6	CRI		
7	ICSA		
8	ICSAB		
9			
10		DJ 4-24-95	
	CCV		
	CCB		

COMMENTS:

Reviewed by: [signature]

Date: 4/24/95

INORGANIC SDG 04581M

Standardization Rpt. Sun 04-23-95 01:58:59 PM page 1

Method: CLPSUE Standard: BLANK

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Avge	-.0009	.2334	.0117	-.0171	.0053	-.0123	-.0006
SDev	.0006	.0012	.0009	.0004	.0000	.0019	.0006
%RSD	68.09	.5326	7.790	2.519	.2043	15.01	106.2
#1	-.0013	.2325	.0110	-.0168	.0053	-.0137	-.0011
#2	-.0005	.2343	.0123	-.0174	.0053	-.0110	-.0002

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Avge	.0011	.0830	-.0004	.0434	.0006	.0003	.0003
SDev	.0001	.0001	.0001	.0054	.0001	.0000	.0000
%RSD	13.06	.1136	35.55	12.52	17.17	.2043	.2043
#1	.0012	.0829	-.0005	.0395	.0007	.0003	.0003
#2	.0010	.0831	-.0003	.0472	.0006	.0003	.0003

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	As1890	22031
Avge	-.0066	-.0008	-.0041	-.0003	.0001	-.0091	.0371
SDev	.0014	.0001	.0021	.0001	.0000	.0001	.0061
%RSD	21.96	13.89	52.00	28.48	28.48	.9899	16.34
#1	-.0076	-.0009	-.0056	-.0003	.0002	-.0092	.0414
#2	-.0056	-.0007	-.0026	-.0002	.0001	-.0091	.0328

Elem	22032	20681	20682	19601	19602	Ti3349	Sn1899
Avge	-.0065	-.0121	.0017	-.0063	.0098	-.0093	-.0006
SDev	.0041	.0013	.0028	.0026	.0009	.0118	.0001
%RSD	62.32	10.85	166.7	40.84	9.663	127.5	12.65
#1	-.0037	-.0130	.0037	-.0081	.0091	-.0009	-.0005
#2	-.0094	-.0112	-.0003	-.0045	.0105	-.0176	-.0006

Elem	Bi2230
Avge	.0095
SDev	.0016
%RSD	16.75
#1	.0107
#2	.0084

Standardization Rpt. Sun 04-23-95 02:04:26 PM page 1

Method: CLPSUE Standard: XCL-11

Elem	Ag3280	Cd2265	Cr2677	Cu3247	Ni2316	Tl1908	22031
Avge	1.547	44.04	1.776	9.696	1.487	.8671	13.13
SDev	.005	.09	.003	.010	.001	.0049	.00
%RSD	.2986	.2136	.1621	.1040	.0830	.5689	.0251
#1	1.544	43.98	1.774	9.689	1.487	.8636	13.13
#2	1.550	44.11	1.778	9.703	1.488	.8706	13.13

Elem	22032	19601	19602
Avge	8.767	1.188	2.130
SDev	.007	.007	.003
%RSD	.0748	.6193	.1311
#1	8.762	1.193	2.132
#2	8.772	1.183	2.128

INORGANIC SDG 04581M

Standardization Rpt. Sun 04-23-95 02:08:18 PM page 1

Method: CLPSUE Standard: STD3

Elem	Al3082	Ca3179	Fe2714	Mg2790
Avge	88.32	12.14	2.582	14.07
SDev	.08	.00	.001	.01
%RSD	.0939	.0397	.0457	.0578
#1	88.26	12.15	2.583	14.06
#2	88.37	12.14	2.581	14.07

INORGANIC SDG 04581M

Standardization Rpt. Sun 04-23-95 02:12:42 PM page 1

Method: CLPSUE Standard: XCL-2

Elem	Ba4934	Be3130	Co2286	Mn2576	Mo2020	V 2924	As1890
Avge	45.04	76.14	7.397	2.546	4.457	1.014	3.272
SDev	.04	.01	.001	.001	.004	.000	.003
%RSD	.0917	.0161	.0141	.0411	.0908	.0165	.0888
#1	45.01	76.15	7.398	2.547	4.460	1.014	3.274
#2	45.07	76.13	7.396	2.545	4.454	1.014	3.270

Standardization Rpt. Sun 04-23-95 02:16:04 PM page 1

Method: CLPSUE Standard: XCL-3A

Elem	K 7664	Na3302
Avge	96.32	2.774
SDev	.06	.006
%RSD	.0589	.2298
#1	96.36	2.779
#2	96.28	2.770

INORGANIC SDG 04581M

Standardization Rpt. Sun 04-23-95 02:21:31 PM page 1

Method: CLPSUE Standard: PLSBR

Elem	Zn2138	20681	20682	Ti3349	Sn1899	Bi2230
Avge	2.007	7.866	3.431	12.57	.4593	10.61
SDev	.001	.007	.002	.01	.0022	.00
%RSD	.0484	.0932	.0450	.1082	.4862	.0425
#1	2.007	7.861	3.430	12.56	.4577	10.61
#2	2.006	7.871	3.432	12.58	.4609	10.61

Analysis Report QC Standard Sun 04-23-95 02:27:00 PM page 1

Method: CLPSUE Sample Name: ICV1 Operator:
Run Time: 04/23/95 14:21:39
Comment: ICV ICV1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	484.2	1853.	1997.	473.7	48730.	486.5	532.2
SDev	1.7	4.	3.	.8	171.	1.7	1.4
%RSD	.3510	.2087	.1552	.1607	.3510	.3415	.2701
#1	483.0	1855.	2000.	473.1	48610.	485.4	531.2
#2	485.4	1850.	1995.	474.2	48850.	487.7	533.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	487.0	1956.	2009.	476.0	50710.	510.0	520.0
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	467.3	495.8	1963.	47690.	23560.	488.5	-.2313
SDev	1.8	.8	4.	89.	1.	1.4	.7199
%RSD	.3928	.1522	.2067	.1859	.0061	.2777	311.3
#1	466.0	495.3	1966.	47750.	23550.	487.5	-.7403
#2	468.6	496.3	1961.	47630.	23560.	489.4	.2778
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	471.0	497.0	1985.	49600.	24590.	491.0	
Range	10.50	10.50	10.50	10.50	10.50	10.50	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47700.	473.2	.4986	486.6	3067.	5016.	.7176
SDev	19.	.2	3.588	.9	8.	3.	2.392
%RSD	.0398	.0399	719.6	.1924	.2470	.0527	333.4
#1	47680.	473.1	3.036	486.0	3061.	5014.	-.9741
#2	47710.	473.3	-2.038	487.3	3072.	5018.	2.409
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK	NOCHECK
Value	48790.	497.0		492.0	3012.		
Range	10.50	10.50		10.50	10.50		

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.619	1.042	5070.	4989.	1.712	3.072	3.976
SDev	1.884	2.530	1.	4.	4.013	.820	1.595
%RSD	71.91	242.9	.0150	.0719	234.4	26.71	40.13
#1	3.951	-.7477	5070.	4986.	4.550	3.652	5.104
#2	1.287	2.831	5071.	4991.	-1.125	2.491	2.848
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.9096	-1.942	-2.986	-4.275
SDev	4.3834	1.133	1.872	.604
%RSD	481.9	58.37	62.69	14.14
#1	-4.009	-2.743	-4.310	-4.703
#2	2.190	-1.141	-1.662	-3.848
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report QC Standard Sun 04-23-95 02:32:23 PM page 1

Method: CLPSUE Sample Name: ICV3 Operator:
Run Time: 04/23/95 14:27:03
Comment: ICV ICV3
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.53	-4.757	.0204	.0370	2.400	97.08	.0684
SDev	.28	2.030	.0245	.0166	.342	.06	.0390
%RSD	.2902	42.67	119.8	44.77	14.25	.0638	57.00
#1	96.33	-3.322	.0377	.0487	2.642	97.12	.0408
#2	96.73	-6.192	.0031	.0253	2.158	97.03	.0960
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3407	-.1106	-5.426	259.9	1.274	.1203	-.6497
SDev	.0009	.0977	4.881	6.7	1.027	.0308	.5970
%RSD	.2662	88.31	89.96	2.586	80.64	25.64	91.88
#1	-.3400	-.0415	-8.877	264.7	2.000	.1421	-1.072
#2	-.3413	-.1797	-1.974	255.2	.5475	.0985	-.2276
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	250.1	-1.606	94.96	.0978	-.1254	99.66	94.92
SDev	29.1	.189	.25	.0003	.2685	.78	1.56
%RSD	11.66	11.80	.2660	.3247	214.1	.7812	1.646
#1	270.7	-1.472	95.13	.0980	.0645	99.11	93.82
#2	229.5	-1.740	94.78	.0976	-.3153	100.2	96.03
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			98.90			98.80	101.4
Range			10.50			10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1019.	101.4	101.8	98.57	1021.	1017.	92.69
SDev	.	.7	1	1.65	.	1.	.22
%RSD	.0285	.6561	.9573	1.678	.0212	.0533	.2355
#1	1019.	101.9	102.5	97.40	1021.	1018.	92.54
#2	1018.	101.0	101.1	99.74	1021.	1017.	92.85
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	970.0	101.8					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.03	1.113	-.0068	-.0246
SDev	2.23	1.092	2.1894	.7336
%RSD	2.325	98.06	32260.	2979.
#1	94.45	.3414	-1.555	.4941
#2	97.61	1.885	1.541	-.5434
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report QC Standard Sun 04-23-95 02:37:46 PM page 1

Method: CLPSUE Sample Name: SPEXASSE Operator:
Run Time: 04/23/95 14:32:26
Comment: ICV SPEXASSE
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1249	-46.27	.1958	.1056	9.350	.1189	.3111
SDev	.0244	1.36	.0006	.0097	.048	.1150	.0940
%RSD	19.51	2.941	.3319	9.234	.5109	96.67	30.22
#1	-.1077	-47.23	.1962	.1125	9.383	.0376	.2446
#2	-.1421	-45.31	.1953	.0987	9.316	.2002	.3776
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2570	.8676	2.378	6.918	3.378	1.718	987.2
SDev	.1579	.0482	4.715	2.906	.750	.018	1.8
%RSD	61.44	5.555	198.3	42.00	22.21	1.028	.1793
#1	-.1453	.9016	5.712	8.973	3.908	1.730	988.4
#2	-.3687	.8335	-.9564	4.864	2.847	1.705	985.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass
Value							1000.
Range							10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1330.	-.3339	951.0	-11.15	-.1277	975.1	963.9
SDev	23.	.2825	11.0	.17	.0871	1.6	.7
%RSD	1.728	84.62	1.158	1.531	68.20	.1635	.0743
#1	-1346.	-.5337	958.8	-11.27	-.0661	974.0	963.4
#2	-1313.	-.1341	943.2	-11.03	-.1893	976.2	964.4
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.162	993.4	975.1	975.1	-3.023	-7.730	967.6
SDev	.431	3.1	2.3	3.5	1.094	1.193	1.3
%RSD	7.000	.3139	.2335	.3616	36.17	15.43	.1395
#1	-5.857	991.2	976.7	972.6	-3.796	-6.886	966.6
#2	-6.467	995.6	973.4	977.6	-2.250	-8.573	968.5
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	962.0	974.9	1041.	972.6
SDev	.4	.1	1.	2.0
%RSD	.0416	.0120	.0552	.2016
#1	961.7	975.0	1041.	973.9
#2	962.3	974.8	1041.	971.2
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: S0 Operator:
Run Time: 04/23/95 14:37:49
Comment: ICB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0991	3.164	.0055	-.0050	-.7024	.1190	.1510
SDev	.0244	2.231	.0068	.0136	.0366	.0621	.0001
%RSD	24.60	70.51	122.2	274.6	5.205	52.18	.0579
#1	.0818	1.586	.0103	.0047	-.6765	.1630	.1509
#2	.1163	4.741	.0008	-.0146	-.7282	.0751	.1511
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1049	-.1800	1.514	5.171	1.580	.0072	.3382
SDev	.0012	.0195	7.586	1.029	.501	.0230	.1920
%RSD	1.124	10.83	501.2	19.91	31.71	319.5	56.76
#1	.1058	-.1662	-3.851	4.443	1.226	-.0090	.4740
#2	.1041	-.1937	6.878	5.899	1.934	.0234	.2025
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	116.3	.0761	-6.177	.2642	-.3160	.0028	-.4254
SDev	24.5	.4291	1.052	.0706	.1776	.5984	1.0462
%RSD	21.10	563.8	17.03	26.73	56.20	21610.	246.0
#1	98.93	.3796	-5.433	.2143	-.1904	.4259	-1.165
#2	133.6	-.2273	-6.921	.3142	-.4415	-.4204	.3144
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0522	1.158	-.0349	.0210	-.1511	.1531	1.886
SDev	.5482	2.101	1.5395	.1286	1.9766	.1650	1.200
%RSD	1049.	181.5	4408.	612.9	1308.	107.7	63.63
#1	.4398	2.643	1.054	.1119	1.247	.0365	1.037
#2	-.3354	-.3278	-1.123	-.0700	-1.549	.2698	2.734
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.580	1.567	-4.802	-1.238
SDev	.969	1.743	1.245	1.893
%RSD	61.36	111.2	25.92	152.9
#1	-2.265	.3347	-5.682	-2.577
#2	-.8944	2.800	-3.922	.1006
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report QC Standard Sun 04-23-95 02:48:31 PM page 1

Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 04/23/95 14:43:11
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-37.43	540700.	-.5291	.0449	438200.	10.46	.0564
SDev	.37	647.	.0101	.0062	2254.	.36	.1580
%RSD	.9763	.1197	1.902	13.74	.5143	3.418	280.2
#1	-37.17	540200.	-.5219	.0492	436600.	10.71	.1681
#2	-37.69	541100.	-.5362	.0405	439800.	10.21	-.0553
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.87	-9.068	196100.	19.89	503300.	-86.84	.4725
SDev	.29	.000	632.	2.61	1359.	.31	.7202
%RSD	1.457	.0022	.3223	13.13	.2700	.3526	152.4
#1	20.08	-9.068	195700.	21.74	502400.	-86.63	-.0367
#2	19.67	-9.068	196600.	18.05	504300.	-87.06	.9818
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	20.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	405.3	-5.354	-16.69	-79.14	-1.964	5.959	4.643
SDev	30.4	.275	1.56	.07	.363	1.580	1.330
%RSD	7.496	5.143	9.364	.0867	18.50	26.52	28.65
#1	426.8	-5.159	-17.79	-79.09	-1.707	7.076	5.583
#2	383.8	-5.549	-15.58	-79.19	-2.221	4.841	3.702
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.221	-.1538	15.95	.9699	-8.102	2.214	17.07
SDev	6.131	.6547	2.82	3.777	4.512	6.939	2.94
%RSD	502.2	425.6	17.68	389.4	55.69	313.4	17.22
#1	3.114	.3091	13.95	3.641	-4.912	7.121	14.99
#2	-5.556	-.6167	17.94	-1.701	-11.29	-2.693	19.15
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.564	12.82	-11.10	4.598
SDev	3.462	1.69	4.13	.342
%RSD	221.3	13.18	37.21	7.443
#1	.8838	11.63	-14.02	4.840
#2	-4.012	14.02	-8.180	4.356
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 04/23/95 14:48:34
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	941.8	549600.	522.3	492.8	451100.	974.1	544.8
SDev	1.3	389.	.7	.0	492.	.3	.1
%RSD	.1351	.0709	.1317	.0075	.1091	.0334	.0198
#1	940.9	549300.	522.8	492.8	450800.	973.8	544.8
#2	942.7	549800.	521.9	492.8	451500.	974.3	544.9
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	507.5	530.0	200600.	8.301	516200.	417.6	1035.
SDev	.3	.5	64.	11.00	601.	.4	5.
%RSD	.0630	.0975	.0317	132.5	.1164	.0897	.4862
#1	507.3	529.7	200500.	16.08	515800.	417.4	1032.
#2	507.7	530.4	200600.	.5250	516600.	417.9	1039.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-591.1	976.8	-10.39	416.6	1128.	5168.	-2.990
SDev	188.0	.2	1.93	.3	3.	1.	2.054
%RSD	31.80	.0228	18.54	.0693	.2351	.1904	68.68
#1	-458.2	976.7	-9.028	416.8	1126.	5161.	-4.442
#2	-724.0	977.0	-11.75	416.4	Q1130.	5175.	-1.538
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.993	-1.592	5339.	5082.	-16.25	2.125	3.282
SDev	.132	.707	8.	11.	2.68	1.138	2.750
%RSD	3.311	44.40	.1424	.2156	16.47	53.58	83.80
#1	-4.087	-1.092	5334.	5075.	-18.14	2.929	5.227
#2	-3.900	-2.091	5344.	5090.	-14.36	1.320	1.337
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.122	1035.	1057.	1134.
SDev	4.452	1.	3.	3.
%RSD	72.72	.1081	.2688	.2886
#1	-9.270	1034.	1055.	1136.
#2	-2.974	1036.	1059.	1131.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: CRI Operator:
Run Time: 04/23/95 14:53:57
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	193.8	101200.	1995.	1931.	Q111900.	1945.	2034.
SDev	.4	16.	4.	3.	485.	3.	4.
%RSD	.2074	.0162	.2244	.1481	.4334	.1309	.1976
#1	193.5	101100.	1998.	1929.	Q111600.	1943.	2031.
#2	194.1	101200.	1991.	1933.	Q112300.	1947.	2037.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	200.0	100000.	2000.	2000.	100000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1944.	2055.	49380.	101000.	Q112400.	1958.	2002.
SDev	4.	5.	95.	186.	154.	3.	.
%RSD	.2166	.2631	.1917	.1846	.1368	.1442	.0020
#1	1941.	2059.	49310.	101100.	Q112300.	1956.	2002.
#2	1947.	2051.	49450.	100800.	Q112500.	1960.	2002.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	2000.	2000.	50000.	100000.	100000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101800.	1973.	Q2120.	1950.	Q2980.	2075.	2018.
SDev	33.	1.	13.	3.	7.	4.	.
%RSD	.0320	.0725	.6108	.1407	.2501	.1716	.0068
#1	101700.	1972.	Q2129.	1948.	Q2974.	2073.	2018.
#2	101800.	1974.	Q2111.	1952.	Q2985.	2078.	2018.
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass
Value	100000.	2000.	2000.	2000.	2000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2042.	2023.	2123.	2052.	2065.	2030.	2008.
SDev	.	8.	1.	5.	.	.	12.
%RSD	.0012	.3841	.0375	.2408	.0084	.0024	.5774
#1	2042.	2029.	2122.	2048.	2065.	2030.	2016.
#2	2042.	2018.	2123.	2055.	2066.	2030.	1999.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	2000.	2000.					
Range	5.000	5.000					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2024.	1976.	2148.	2116.
SDev	6.	5.	3.	4.
%RSD	.2758	.2484	.1266	.1829
#1	2020.	1973.	2150.	2119.
#2	2028.	1980.	2146.	2113.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/23/95 14:59:20
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	100.6	1912.	1011.	985.8	49600.	993.1	1017.
SDev	.2	12.	2.	.8	38.	.7	1.
%RSD	.2421	.6469	.2199	.0801	.0762	.0691	.1003
#1	100.8	1903.	1010.	985.2	49630.	993.6	1017.
#2	100.5	1921.	1013.	986.3	49570.	992.6	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	991.8	1018.	2074.	49110.	48430.	1003.	1006.
SDev	.4	.	11.	17.	27.	.	2.
%RSD	.0371	.0190	.5354	.0355	.0563	.0145	.1988
#1	992.1	1018.	2067.	49100.	48410.	1003.	1007.
#2	991.5	1018.	2082.	49120.	48450.	1003.	1004.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48610.	1003.	1059.	993.2	2175.	1040.	1029.
SDev	3.	1.	10.	.9	3.	2.	6.
%RSD	.0067	.0536	.9517	.0947	.1170	.2325	.5898
#1	48610.	1003.	1066.	993.9	2177.	1038.	1024.
#2	48610.	1002.	1052.	992.5	2173.	1042.	1033.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1012.	1012.	1052.	1034.	1018.	1008.	1024.
SDev	3.	9.	1.	3.	.	5.	7.
%RSD	.3299	.8819	.1174	.2910	.0281	.5104	.6833
#1	1009.	1006.	1051.	1032.	1018.	1005.	1019.
#2	1014.	1019.	1053.	1036.	1018.	1012.	1029.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1031.	993.4	1023.	1033.
SDev	6.	.4	5.	4.
%RSD	.5434	.0422	.5237	.4280
#1	1027.	993.7	1020.	1030.
#2	1035.	993.1	1027.	1036.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/23/95 15:04:44
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0301	17.95	.2223	.2129	17.73	.3764	.3732
SDev	.0487	6.21	.1441	.1142	8.01	.2567	.2377
%RSD	161.6	34.59	64.82	53.66	45.19	68.19	63.69
#1	.0043	13.56	.1204	.1321	12.06	.1949	.2051
#2	-.0646	22.34	.3242	.2937	23.39	.5579	.5412
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4274	.0064	3.996	13.52	18.33	.2072	.2434
SDev	.0032	.0298	2.721	5.74	8.22	.0797	.6948
%RSD	.7592	463.1	68.10	42.48	44.85	38.48	285.5
#1	.4297	.0275	5.920	9.456	12.52	.1508	-.2479
#2	.4251	-.0146	2.072	17.58	24.15	.2636	.7347
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	90.53	.2850	-.8695	.4502	.0549	-.1528	.6444
SDev	57.47	.4268	2.1673	.0744	.1743	.0691	2.396
%RSD	63.48	149.8	249.3	16.53	317.3	45.26	371.8
#1	49.90	-.0168	.6630	.3976	-.0683	-.1039	2.338
#2	131.2	.5868	-2.402	.5028	.1782	-.2017	-1.050
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.266	2.919	.0539	-.2565	.4640	1.666	.3076
SDev	.195	.940	.2813	.0368	.8625	.139	.0988
%RSD	15.37	32.19	522.2	14.33	185.9	8.329	32.11
#1	1.404	3.583	.2528	-.2825	1.074	1.568	.3775
#2	1.129	2.255	-.1451	-.2305	-.1459	1.765	.2378
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8119	2.625	-2.886	.4609
SDev	3.542	1.311	1.389	1.877
%RSD	436.3	49.94	48.13	407.2
#1	3.317	1.698	-3.868	-.8661
#2	-1.693	3.553	-1.904	1.788
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: 705024 #15 Operator:
Run Time: 04/23/95 15:10:07
Comment: SDG:409418 ClientID:PBS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0086	139.4	.6712	.0909	40.29	-.0085	.5437
SDev	.1766	1.5	.0627	.0558	5.60	.0815	.0202
%RSD	2051.	1.095	9.342	61.46	13.90	959.5	3.722
#1	.1163	138.3	.6268	.0514	36.33	.0491	.5580
#2	-.1335	140.5	.7155	.1303	44.25	-.0661	.5294
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5193	.4338	12.22	105.3	17.38	.1837	.1898
SDev	.0449	.1666	3.44	6.1	2.20	.0010	.0168
%RSD	8.638	38.41	28.14	5.811	12.68	.5518	8.846
#1	.5510	.3160	14.65	109.6	15.82	.1844	.2016
#2	.4876	.5516	9.786	101.0	18.94	.1829	.1779
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	747.8	.4821	.4040	.3383	-.0158	-.3620	-2.253
SDev	48.6	.2391	.3030	.0680	.0872	.3243	1.793
%RSD	6.503	49.60	75.00	20.10	551.5	89.59	79.57
#1	782.2	.3130	.6183	.3863	-.0775	-.1327	-3.521
#2	713.4	.6512	.1898	.2902	.0458	-.5913	-.9854
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2521	1.640	-.5226	-.2824	.4894	.1330	2.779
SDev	.4149	.399	.1929	.3899	2.865	.8081	3.417
%RSD	164.6	24.32	36.92	138.1	585.3	607.5	122.9
#1	-.0413	1.922	-.3862	-.0067	-1.536	.7045	5.195
#2	.5455	1.358	-.6591	-.5580	2.515	-.4384	.3631
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-4.766	.1974	-1.819	.0926
SDev	4.394	1.708	1.989	2.245
%RSD	92.19	865.5	109.4	2426.
#1	-7.873	-1.011	-.4118	-1.495
#2	-1.659	1.405	-3.225	1.680
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: 704573 #16 Operator:
Run Time: 04/23/95 15:15:30
Comment: SDG:409527 ClientID:PBS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1550	126.8	.5215	.0236	32.23	-.0229	.2122
SDev	.0305	.9	.0043	.0169	1.72	.0037	.0864
%RSD	19.64	.7320	.8281	71.91	5.351	15.93	40.71
#1	-.1335	126.1	.5184	.0116	31.01	-.0255	.2732
#2	-.1766	127.4	.5245	.0355	33.45	-.0203	.1511
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0714	.4416	6.881	94.48	10.30	.1055	.8771
SDev	.3603	.3725	1.373	2.23	.75	.0015	.2225
%RSD	504.9	84.33	19.96	2.359	7.291	1.435	25.37
#1	.3261	.1783	7.852	96.06	9.769	.1066	.7197
#2	-.1834	.7050	5.910	92.91	10.83	.1045	1.034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	668.8	.5502	-1.116	.2444	-.4515	.5547	-1.285
SDev	12.2	.4287	1.296	.0668	.1768	.9847	1.575
%RSD	1.826	77.91	116.2	27.34	39.15	177.5	122.6
#1	677.4	.2471	-.1994	.2916	-.5765	-.1416	-.1714
#2	660.2	.8533	-2.033	.1972	-.3265	1.251	-2.398
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0904	2.899	.0216	.8203	-.8497	.5592	3.428
SDev	1.082	2.034	2.875	.0410	.8451	1.201	1.304
%RSD	1197.	70.15	13340.	4.992	99.46	214.7	38.05
#1	.8557	1.461	-2.011	.7913	-.2521	1.408	4.350
#2	-.6748	4.337	2.055	.8492	-1.447	-.2898	2.506
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.638	1.428	-.9584	.1337
SDev	1.709	1.472	.4644	2.062
%RSD	46.98	103.1	48.45	1543.
#1	-2.430	2.469	-1.287	1.592
#2	-4.847	.3873	-.6300	-1.325
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: 704571 #17 Operator:
Run Time: 04/23/95 15:20:53
Comment: SDG:409391 ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0818	120.8	.4670	.0181	28.88	-.0690	.3836
SDev	.0000	.7	.0039	.0043	.23	.0715	.2129
%RSD	.0000	.5731	.8238	23.69	.7875	103.6	55.50
#1	-.0818	120.3	.4642	.0212	28.72	-.0184	.5341
#2	-.0818	121.2	.4697	.0151	29.04	-.1195	.2330
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0536	-.0089	6.871	91.96	8.082	.1102	-.1479
SDev	.0818	.0685	4.155	1.46	.497	.0080	.4976
%RSD	152.7	766.5	60.48	1.593	6.148	7.253	336.5
#1	.1114	-.0574	3.933	92.99	7.730	.1159	-.4998
#2	-.0043	.0395	9.809	90.92	8.433	.1046	.2040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	658.7	-.0990	.1326	.3897	-.5150	-.0743	1.273
SDev	4.2	.4799	4.012	.1486	.0892	.9971	2.506
%RSD	.6447	484.8	3025.	38.14	17.33	1342.	196.9
#1	661.7	.2404	2.970	.2846	-.5781	.6307	3.045
#2	655.7	-.4384	-2.705	.4948	-.4519	-.7793	-.4993
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7132	2.215	-.1699	-.0272	.2291	-1.184	3.754
SDev	.9796	1.021	.7754	1.8820	.3930	1.272	4.605
%RSD	137.4	46.10	456.3	6925.	171.5	107.4	122.7
#1	-1.406	2.938	-.7182	1.304	-.0488	-2.084	7.010
#2	-.0205	1.493	.3784	-1.358	.5070	-.2845	.4978
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0333	3.210	3.637	-.7146
SDev	1.458	.957	6.690	.3046
%RSD	4380.	29.81	183.9	42.63
#1	1.064	3.887	8.368	-.4992
#2	-.9977	2.534	-1.093	-.9300
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: 704311 #18 Operator:
Run Time: 04/23/95 15:26:16
Comment: SDG:409424 ClientID:PBS 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0991	131.0	.4967	-.0186	29.02	-.0303	.2395
SDev	.0122	2.3	.0119	.0092	.46	.0391	.0095
%RSD	12.30	1.743	2.400	49.71	1.581	129.0	3.950
#1	-.0904	129.4	.4882	-.0120	29.34	-.0027	.2328
#2	-.1077	132.6	.5051	-.0251	28.69	-.0579	.2462
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1051	.2682	2.000	94.36	8.391	.1128	.2592
SDev	.0771	.2258	.014	.47	.477	.0048	.1430
%RSD	73.43	84.18	.6776	.4937	5.687	4.235	55.18
#1	.0505	.1086	1.990	94.69	8.053	.1095	.1581
#2	.1596	.4279	2.009	94.03	8.728	.1162	.3604
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	672.4	.2437	1.723	.1388	-.4521	.2358	.6920
SDev	61.4	.1890	3.287	.0639	.1774	1.533	.7275
%RSD	9.125	77.56	190.8	46.00	39.25	650.2	105.1
#1	715.7	.3774	-.6012	.0936	-.3267	1.320	1.206
#2	629.0	.1101	4.047	.1839	-.5776	-.8484	.1775
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0926	1.124	.7431	-.0181	-.4990	.3874	2.509
SDev	.2918	1.010	1.278	1.6609	2.2801	1.576	2.703
%RSD	315.1	89.92	171.9	9199.	457.0	406.8	107.7
#1	-.1137	1.838	1.647	1.156	1.113	-.7269	.5980
#2	.2990	.4092	-.1604	-1.193	-2.111	1.502	4.420
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2159	4.287	-4.370	-1.314
SDev	2.4402	1.291	.945	.658
%RSD	1130.	30.11	21.63	50.05
#1	1.510	3.374	-5.038	-1.779
#2	-1.941	5.199	-3.702	-.8488
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: 704238 #19 Operator:
Run Time: 04/23/95 15:31:39
Comment: SDG:409383 ClientID:PBW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1077	135.0	.4955	-.0272	24.93	-.2195	.2991
SDev	.2071	.9	.0086	.0007	.13	.1679	.1521
%RSD	192.3	.7002	1.746	2.673	.5170	76.49	50.85
#1	.0388	135.6	.5016	-.0267	24.84	-.3382	.1916
#2	-.2541	134.3	.4894	-.0277	25.03	-.1008	.4067
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10.00	200.0	200.0	5.000	5000.	5.000	50.00
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2587	-.2447	.6152	94.49	7.187	.0273	-.2587
SDev	.0830	.0880	2.066	5.60	.028	.0054	.3317
%RSD	32.07	35.97	335.8	5.926	.3840	19.74	128.2
#1	.3174	-.3070	-.8454	98.45	7.206	.0311	-.0241
#2	.2000	-.1825	2.076	90.53	7.167	.0235	-.4932
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	10.00	25.00	100.0	5000.	5000.	15.00	
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	729.7	.3202	-.4130	.0982	-.6998	-.2419	.7263
SDev	35.3	.0958	2.0036	.0047	.1766	.3360	2.924
%RSD	4.835	29.92	485.2	4.838	25.23	138.9	402.5
#1	704.7	.2524	1.004	.0949	-.8247	-.0044	-1.341
#2	754.6	.3879	-1.830	.1016	-.5750	-.4795	2.794
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	40.00	10.00	50.00	20.00	3.000	5.000
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9650	2.297	-.0660	-.3304	-.0362	1.464	-.2851
SDev	.9172	1.689	1.2514	1.1284	1.9606	.396	5.0999
%RSD	95.05	73.52	1897.	341.6	5413.	27.06	1789.
#1	1.614	3.491	-.9508	.4676	1.350	1.744	-3.891
#2	.3165	1.103	.8189	-1.128	-1.423	1.184	3.321
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	60.00	10.00					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.231	1.161	.2551	.3209
SDev	1.837	2.432	1.538	1.012
%RSD	149.3	209.5	602.7	315.3
#1	-.0684	-.5589	-.8322	-.3947
#2	2.530	2.881	1.342	1.037
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: PLCSS701188 #20 Operator:
Run Time: 04/23/95 15:37:03
Comment: SDG:409418 ClientID:LCSS 1:2
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	83.22	1770.	26.37	85.43	681700.	205.3	733.3
SDev	.04	7.	.20	.47	7884.	1.6	4.3
%RSD	.0439	.3743	.7654	.5473	1.157	.7724	.5899
#1	83.20	1774.	26.52	85.10	676100.	204.1	730.3
#2	83.25	1765.	26.23	85.76	687200.	206.4	736.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	476.3	30350.	105200.	801.2	509400.	976.1	246.8
SDev	2.8	106.	600.	26.2	2028.	5.8	2.1
%RSD	.5968	.3490	.5704	3.265	.3981	.5961	.8486
#1	474.3	30430.	104800.	819.7	508000.	971.9	245.3
#2	478.3	30280.	105600.	782.7	510800.	980.2	248.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	5000.	649500.	1195.	
Low	396.0	.0000	88850.	.0000	502000.	885.0	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1782.	289.4	184.1	293.8	1024.	1100.	188.6
SDev	131.	.3	1.4	1	6.	6.	3.7
%RSD	7.335	.0905	.7725	.3298	.5588	.5002	1.939
#1	1874.	289.6	185.1	293.1	1020.	1096.	191.2
#2	1690.	289.2	183.1	294.5	1028.	1104.	186.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1006.	4703.	1140.	1080.	1025.	997.0	188.7
SDev	3.	4.	.	8.	2.	3.7	9.4
%RSD	.3081	.0869	.0424	.7862	.1787	.3745	4.990
#1	1009.	4700.	1140.	1074.	1026.	999.6	195.4
#2	1004.	4706.	1140.	1086.	1024.	994.3	182.0
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	188.6	85.72	30.67	353.6
SDev	.8	3.09	5.66	2.5
%RSD	.4149	3.606	18.45	.6962
#1	189.1	83.53	34.67	355.4
#2	188.0	87.90	26.67	351.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: PLCSS701188 #21 Operator:
Run Time: 04/23/95 15:42:26
Comment: SDG:409418 ClientID:LCSS 1:10
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	16.46	934.6	5.795	18.84	171300.	42.35	150.1
SDev	.19	5.4	.033	.04	453.	.1	.3
%RSD	1.147	.5752	.5672	.2291	.2642	.2327	.1897
#1	16.59	930.8	5.819	18.87	171600.	42.42	150.3
#2	16.33	938.4	5.772	18.81	171000.	42.28	149.9
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					225600.		
Low					166800.		

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	99.21	6341.	22110.	227.2	107000.	205.3	51.02
SDev	.59	11.	66.	4.9	5.	.2	.54
%RSD	.5991	.1697	.2963	2.136	.0044	.0949	1.064
#1	99.63	6333.	22160.	230.7	107000.	205.5	50.63
#2	98.79	6349.	22070.	223.8	107000.	205.2	51.40
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High		7820.			129900.		
Low		6006.			100400.		

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	854.2	59.82	37.56	60.32	229.3	226.0	42.38
SDev	81.0	.13	1.69	.09	.4	.1	.23
%RSD	9.487	.2128	4.503	.1538	.1702	.0261	.5480
#1	911.5	59.91	36.36	60.39	229.6	226.1	42.54
#2	796.9	59.73	38.75	60.26	229.0	226.0	42.22
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	204.4	994.6	229.2	224.4	206.9	203.1	43.13
SDev	.2	.7	.5	.2	2.2	1.4	1.95
%RSD	.0902	.0664	.2316	.0787	1.068	.6794	4.528
#1	204.5	995.0	229.5	224.3	205.4	204.1	44.51
#2	204.3	994.1	228.8	224.6	208.5	202.1	41.75
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	42.00	19.78	3.654	70.44
SDev	.63	1.13	.811	.25
%RSD	1.493	5.694	22.19	.3595
#1	41.56	18.98	4.227	70.26
#2	42.45	20.58	3.080	70.62
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: PLCSS701174 #22 Operator:
Run Time: 04/23/95 15:47:49
Comment: SDG:409527 ClientID:LCSS 1:2
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	92.13	1728.	29.48	94.57	724300.	227.9	H816.1
SDev	.60	2.	.05	.42	4791.	.3	3.0
%RSD	.6545	.1393	.1611	.4452	.6615	.1137	.3643
#1	92.55	1730.	29.52	94.28	720900.	227.7	H814.0
#2	91.70	1727.	29.45	94.87	727700.	228.1	H818.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC High
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	523.3	33910.	117200.	737.6	567300.	1070.	276.8
SDev	2.4	53.	492.	15.8	1296.	4.	.7
%RSD	.4554	.1560	.4197	2.142	.2284	.3788	.2620
#1	521.6	33950.	116900.	748.8	566400.	1067.	276.3
#2	525.0	33870.	117600.	726.4	568300.	1073.	277.3
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	5000.	649500.	1195.	
Low	396.0	.0000	88850.	.0000	502000.	885.0	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1348.	321.3	211.2	333.0	1151.	1252.	218.5
SDev	56.	.9	1.0	.5	4.	5.	2.3
%RSD	4.129	.2760	.4882	.1424	.3459	.4030	1.041
#1	1387.	320.7	210.5	332.7	1148.	1249.	220.1
#2	1308.	322.0	211.9	333.4	1154.	1256.	216.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1229.	5419.	1295.	1231.	1252.	1218.	213.7
SDev	2.	12.	1.	7.	1.	3.	1.5
%RSD	.1342	.2123	.0871	.5690	.0753	.2418	.6918
#1	1228.	5410.	1294.	1226.	1253.	1215.	214.7
#2	1230.	5427.	1296.	1236.	1251.	1220.	212.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	220.9	100.1	48.21	401.4
SDev	2.7	2.3	.67	1.6
%RSD	1.209	2.342	1.391	.3966
#1	222.8	98.46	47.73	400.2
#2	219.0	101.8	48.68	402.5
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: PLCSS701174 #23 Operator:
Run Time: 04/23/95 15:53:16
Comment: SDG:409527 ClientID:LCSS 1:10
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.12	404.0	6.262	20.89	185500.	47.25	166.9
SDev	.24	3.1	.024	.00	180.	.07	.5
%RSD	1.311	.7578	.3899	.0004	.0970	.1378	.2917
#1	18.29	401.8	6.245	20.89	185700.	47.20	167.2
#2	17.95	406.2	6.280	20.89	185400.	47.30	166.6
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					225600.		
Low					166800.		

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	108.4	7228.	24680.	186.5	119200.	222.0	56.19
SDev	.7	15.	1.	3.7	22.	.3	.84
%RSD	.6200	.2044	.0388	1.997	.0188	.1166	1.487
#1	108.9	7217.	24690.	189.2	119200.	222.2	55.59
#2	107.9	7238.	24680.	183.9	119200.	221.8	56.78
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High		7820.			129900.		
Low		6006.			100400.		

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	559.9	67.46	42.74	68.23	235.2	257.8	45.66
SDev	21.5	.80	2.35	.78	.1	.4	3.48
%RSD	3.848	1.184	5.503	1.141	.0443	.1528	7.631
#1	544.7	66.90	41.07	68.78	235.1	257.5	43.20
#2	575.1	68.03	44.40	67.68	235.3	258.0	48.12
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	248.9	1137.	261.0	256.2	249.7	248.5	49.47
SDev	1.7	6.	1.1	1.1	.6	2.2	2.43
%RSD	.6661	.5442	.4220	.4451	.2583	.8706	4.917
#1	247.7	1142.	261.8	255.3	249.3	247.0	51.19
#2	250.1	1133.	260.2	257.0	250.2	250.0	47.75
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	43.76	19.73	13.06	77.09
SDev	6.44	.09	1.77	.72
%RSD	14.71	.4464	13.54	.9393
#1	39.21	19.79	11.81	76.57
#2	48.31	19.67	14.31	77.60
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: PLCSW700028 #24 Operator:
Run Time: 04/23/95 15:58:40
Comment: SDG:409391 ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	682.4	18870.	19660.	457.4	48190.	481.1	4912.
SDev	1.2	35.	68.	2.8	521.	3.1	27.
%RSD	.1821	.1872	.3454	.6102	1.080	.6368	.5520
#1	681.5	18900.	19710.	455.4	47820.	478.9	4893.
#2	683.3	18850.	19610.	459.4	48550.	483.3	4931.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	976.2	2421.	10150.	49900.	46280.	1475.	.3726
SDev	6.7	11.	52.	277.	91.	9.	1.165
%RSD	.6906	.4635	.5106	.5560	.1968	.5941	312.7
#1	971.5	2429.	10110.	50100.	46210.	1468.	1.196
#2	981.0	2413.	10190.	49710.	46340.	1481.	-.4513
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47920.	3868.	983.7	4862.	2086.	298.2	431.8
SDev	251.	20.	12.0	23.	15.	.2	1.8
%RSD	.5247	.5134	1.216	.4731	.7363	.0768	.4281
#1	48100.	3854.	975.3	4846.	2075.	298.0	433.1
#2	47740.	3882.	992.2	4878.	2097.	298.4	430.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5779.	977.0	309.5	292.6	5811.	5763.	427.3
SDev	6.	4.0	2.9	1.8	3.	1.	8.8
%RSD	.0956	.4065	.9209	.6038	.0448	.1663	2.058
#1	5783.	974.2	311.5	291.3	5809.	5770.	433.5
#2	5775.	979.8	307.5	293.8	5812.	5756.	421.1
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	434.0	.7228	-4.734	-14.43
SDev	1.6	5.374	4.847	.54
%RSD	.3730	743.5	102.4	3.707
#1	432.9	-3.077	-1.307	-14.06
#2	435.1	4.523	-8.161	-14.81
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/23/95 16:04:04
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	101.0	1893.	1015.	987.5	49880.	1000.	1018.
SDev	.1	2.	.	.5	51.	1.	1.
%RSD	.0965	.0865	.0344	.0516	.1025	.1268	.0972
#1	101.0	1894.	1015.	987.8	49920.	1001.	1019.
#2	101.1	1892.	1015.	987.1	49840.	999.5	1017.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	999.1	1020.	2074.	48900.	48500.	1006.	1007.
SDev	.2	.	2.	52.	24.	1.	3.
%RSD	.0178	.0065	.1126	.1056	.0503	.0624	.3438
#1	999.2	1020.	2073.	48860.	48490.	1006.	1009.
#2	999.0	1020.	2076.	48930.	48520.	1005.	1004.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48550.	1010.	1074.	993.0	2190.	1046.	1021.
SDev	37.	1.	4.	.6	2.	1.	1.
%RSD	.0761	.0587	.3528	.0621	.0688	.1094	.1200
#1	48570.	1010.	1072.	993.4	2189.	1045.	1020.
#2	48520.	1011.	1077.	992.6	2191.	1047.	1022.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1012.	1013.	1059.	1040.	1018.	1010.	1024.
SDev	5.	3.	1.	2.	1.	7.	6.
%RSD	.4661	.2469	.0556	.1932	.0879	.6564	.6012
#1	1016.	1011.	1059.	1038.	1018.	1014.	1028.
#2	1009.	1015.	1058.	1041.	1017.	1005.	1019.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1020.	995.2	1030.	1033.
SDev	5.	.9	7.	3.
%RSD	.4814	.0904	.7010	.2983
#1	1017.	995.8	1025.	1031.
#2	1023.	994.5	1035.	1035.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/23/95 16:09:28
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1077	-2.264	.5406	.1363	14.72	.1066	.4285
SDev	.1827	2.561	.0186	.0038	1.74	.1328	.0671
%RSD	169.7	113.1	3.443	2.784	11.79	124.5	15.65
#1	-.2369	-4.075	.5537	.1390	15.95	.0127	.3811
#2	.0215	-.4525	.5274	.1336	13.49	.2005	.4759
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0407	.5345	2.524	6.182	11.69	.1518	.7286
SDev	.3193	.0881	3.424	6.593	.25	.0049	.1427
%RSD	783.6	16.49	135.7	106.6	2.119	3.197	19.58
#1	-.1850	.5968	.1026	1.520	11.86	.1553	.8295
#2	.2665	.4722	4.945	10.84	11.51	.1484	.6277
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	79.54	.2162	-1.092	.5017	-.3156	-.4601	-.5552
SDev	60.12	.2382	2.608	.2837	.1766	.9657	3.2634
%RSD	75.60	110.2	238.7	56.55	55.95	209.9	587.8
#1	37.02	.0478	.7515	.3011	-.1907	.2227	1.752
#2	122.1	.3847	-2.936	.7023	-.4405	-1.143	-2.863
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7953	2.814	-1.577	.0968	2.503	-.0580	5.414
SDev	1.289	.734	2.124	.3873	.593	2.2290	1.246
%RSD	162.1	26.08	134.7	400.1	23.68	3841.	23.01
#1	1.707	3.333	-.0746	.3706	2.084	1.518	6.295
#2	-.1164	2.295	-3.079	-.1771	2.923	-1.634	4.534
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.536	2.699	1.009	-.2302
SDev	4.271	2.650	.769	.4277
%RSD	120.8	98.21	76.21	185.8
#1	-.5162	.8244	.4655	-.5327
#2	-6.556	4.573	1.553	.0722
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: PLCSS701201 #27 Operator:
Run Time: 04/23/95 16:14:51
Comment: SDG:409424 ClientID:LCSS 1:2
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	78.52	1564.	27.39	85.96	665600.	204.8	732.8
SDev	.30	7.	.01	.60	7377.	1.4	3.0
%RSD	.3878	.4471	.0464	.7011	1.108	.6709	.4126
#1	78.74	1569.	27.38	85.53	660400.	203.9	730.7
#2	78.31	1559.	27.40	86.39	670800.	205.8	735.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	467.7	30690.	106700.	639.9	516900.	965.8	244.5
SDev	3.0	118.	620.	13.2	1699.	6.0	.0
%RSD	.6323	.3841	.5806	2.069	.3286	.6245	.0166
#1	465.6	30770.	106300.	649.2	515700.	961.6	244.5
#2	469.8	30600.	107200.	630.5	518100.	970.1	244.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	5000.	649500.	1195.	
Low	396.0	.0000	88850.	.0000	502000.	885.0	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1684.	289.4	187.2	295.5	1020.	1124.	196.3
SDev	8.	1.9	3.1	1.3	6.	6.	1.8
%RSD	.4712	.6636	1.647	.4463	.5741	.5563	.8961
#1	1678.	288.1	185.0	294.6	1016.	1119.	197.5
#2	1689.	290.8	189.4	296.5	1024.	1128.	195.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1077.	4871.	1160.	1106.	1095.	1068.	190.2
SDev	.	10.	2.	9.	.	.	.9
%RSD	.0253	.2070	.1388	.7751	.0156	.0463	.4490
#1	1077.	4864.	1159.	1099.	1095.	1068.	189.6
#2	1077.	4878.	1161.	1112.	1095.	1068.	190.8
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	199.3	84.49	28.62	355.4
SDev	3.1	2.05	3.96	2.8
%RSD	1.537	2.429	13.82	.7949
#1	201.5	83.04	31.41	357.4
#2	197.1	85.94	25.82	353.4
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: PLCSS701201 #28 Operator:
Run Time: 04/23/95 16:20:14
Comment: SDG:409424 ClientID:LCSS 1:10
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	15.85	361.2	5.914	19.07	170400.	42.89	151.3
SDev	.05	1.5	.016	.01	452.	.05	.5
%RSD	.3459	.4021	.2692	.0635	.2653	.1063	.3303
#1	15.89	362.2	5.926	19.06	170100.	42.93	151.0
#2	15.81	360.1	5.903	19.08	170700.	42.86	151.7
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High					225600.		
Low					166800.		

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.25	6433.	22610.	168.9	108300.	202.7	50.88
SDev	.11	13.	41.	1.7	4.	.4	.49
%RSD	.1154	.2003	.1828	.9944	.0037	.1866	.9727
#1	98.17	6424.	22580.	170.1	108300.	202.4	51.23
#2	98.33	6442.	22640.	167.7	108300.	202.9	50.53
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	LC Pass	NOCHECK	NOCHECK
High		7820.			129900.		
Low		6006.			100400.		

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	555.2	61.05	37.65	60.98	212.4	231.2	41.83
SDev	36.6	.54	6.94	.21	.3	.8	2.90
%RSD	6.591	.8796	18.44	.3503	.1303	.3604	6.943
#1	529.3	60.67	42.55	60.83	212.2	230.6	43.88
#2	581.1	61.43	32.74	61.13	212.6	231.8	39.77
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	220.4	1020.	234.4	229.6	221.2	219.9	43.45
SDev	1.1	5.	1.1	.7	.7	1.3	2.20
%RSD	.5056	.4645	.4788	.3001	.3168	.6005	5.068
#1	221.2	1024.	233.6	229.2	221.7	220.9	41.90
#2	219.6	1017.	235.2	230.1	220.7	219.0	45.01
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	41.01	16.35	3.878	68.17
SDev	5.45	.32	3.726	1.61
%RSD	13.30	1.959	96.08	2.365
#1	44.87	16.13	1.243	67.03
#2	37.16	16.58	6.512	69.31
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: PLCSW701153 #29 Operator:
Run Time: 04/23/95 16:25:37
Comment: SDG:409383 ClientID:LCSW 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	933.4	18640.	19450.	456.2	47870.	476.4	4864.
SDev	.9	30.	55.	2.6	496.	2.6	25.
%RSD	.0914	.1634	.2833	.5710	1.036	.5369	.5230
#1	932.8	18660.	19490.	454.3	47520.	474.5	4846.
#2	934.0	18620.	19410.	458.0	48220.	478.2	4882.
Errors	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High		24000.	24000.	600.0	60000.	600.0	6000.
Low		16000.	16000.	400.0	40000.	400.0	4000.

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	968.0	2399.	10020.	48930.	45720.	1463.	.0180
SDev	5.5	17.	66.	254.	95.	8.	.5000
%RSD	.5710	.7052	.6592	.5191	.2085	.5809	2778.
#1	964.1	2411.	9975.	49110.	45650.	1457.	-.3356
#2	971.9	2387.	10070.	48750.	45790.	1469.	.3715
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1200.	3000.	12000.	60000.	60000.	1800.	
Low	800.0	2000.	8000.	40000.	40000.	1200.	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47250.	3823.	965.4	4829.	2067.	292.8	422.3
SDev	170.	14.	1.2	20.	16.	.0	3.7
%RSD	.3600	.3564	.1213	.4235	.7529	.0084	.8792
#1	47370.	3813.	966.2	4815.	2056.	292.8	419.6
#2	47130.	3833.	964.6	4844.	2078.	292.8	424.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	60000.	4800.	1200.	6000.	2400.	360.0	600.0
Low	40000.	3200.	800.0	4000.	1600.	240.0	400.0

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5701.	966.1	305.9	286.3	5734.	5684.	419.0
SDev	6.	5.0	.5	.2	8.	5.	10.8
%RSD	.1008	.5185	.1719	.0787	.1389	.0816	2.580
#1	5705.	962.6	306.2	286.2	5739.	5688.	411.3
#2	5697.	969.7	305.5	286.5	5728.	5681.	426.6
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	7200.	1200.					
Low	4800.	800.0					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	423.9	.6298	-8.031	-14.23
SDev	.2	3.240	2.443	1.92
%RSD	.0398	514.5	30.43	13.47
#1	423.8	-1.661	-6.303	-12.88
#2	424.0	2.921	-9.758	-15.59
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: 701284 #30 Operator:
Run Time: 04/23/95 16:31:00
Comment: SDG:409418 ClientID:12-09SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.934	7294.	41.12	.2487	19320.	.1148	2.891
SDev	.000	4.	.22	.0048	57.	.0499	.156
%RSD	.0000	.0526	.5407	1.924	.2940	43.49	5.388
#1	-1.934	7297.	40.97	.2521	19360.	.0795	3.001
#2	-1.934	7291.	41.28	.2453	19270.	.1501	2.781
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34.50	258.3	10340.	516.5	530.2	53.01	4.273
SDev	.03	.8	15.	1	.6	.03	.665
%RSD	.0953	.2969	.1474	.1870	.1187	.0649	15.56
#1	34.53	257.8	10350.	517.2	529.8	53.03	3.803
#2	34.48	258.9	10330.	515.8	530.7	52.98	4.744
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1173.	10.39	-2.516	13.13	504.3	352.7	.9333
SDev	52.	.54	2.979	.07	1.3	2.5	2.675
%RSD	4.467	5.210	118.4	.5327	.2637	.7173	286.6
#1	1210.	10.01	-4.622	13.18	505.2	354.5	-.9582
#2	1136.	10.77	-.4097	13.08	503.4	351.0	2.825
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3890	2.572	356.2	351.0	-1.798	.3135	-1.786
SDev	1.5417	1.496	1.7	2.9	1.063	2.842	2.717
%RSD	396.3	58.14	.4910	.8319	59.11	906.4	152.2
#1	.7011	1.515	357.5	353.1	-2.549	2.323	-3.707
#2	-1.479	3.630	355.0	348.9	-1.046	-1.696	.1355
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.290	113.6	L-.0287	1.304
SDev	2.654	1.1	7.5371	.367
%RSD	115.9	1.012	26300.	28.16
#1	.4136	112.8	L-5.358	1.564
#2	4.167	114.4	5.301	1.044
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701189 #31 Operator:
Run Time: 04/23/95 16:36:23
Comment: SDG:409418 ClientID:12-09SS-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.663	35120.	159.6	.7740	146600.	2.811	8.358
SDev	.572	50.	.2	.0082	750.	.063	.035
%RSD	10.11	.1414	.1384	1.057	.5117	2.253	.4128
#1	-5.258	35160.	159.8	.7798	146100.	2.856	8.334
#2	-6.068	35090.	159.4	.7682	147100.	2.766	8.383
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	68.77	485.5	32680.	1839.	2394.	253.1	5.669
SDev	.87	1.3	99.	29.	1.	.8	.997
%RSD	1.260	.2676	.3036	1.592	.0457	.3100	17.59
#1	69.38	486.4	32610.	1859.	2394.	252.6	6.374
#2	68.16	484.5	32750.	1818.	2393.	253.7	4.964
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2313.	27.58	L-10.29	52.60	1351.	416.0	3.334
SDev	111.	.01	3.08	.00	4.	3.5	2.721
%RSD	4.806	.0297	29.91	.0046	.2632	.8309	81.62
#1	2391.	27.57	-8.115	52.59	1348.	413.6	5.258
#2	2234.	27.59	L-12.47	52.60	1353.	418.5	1.410
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.056	1.030	429.4	409.4	.7346	1.215	-5.901
SDev	.728	3.291	.4	5.0	2.326	.070	2.852
%RSD	68.92	319.4	.0870	1.220	316.6	5.771	48.32
#1	.5412	3.358	429.1	405.8	-.9099	1.265	-7.918
#2	1.570	-1.297	429.7	412.9	2.379	1.166	-3.885
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.944	590.5	4.020	L-.4999
SDev	5.503	2.3	2.614	1.2833
%RSD	69.27	.3865	65.02	256.7
#1	11.83	588.9	5.869	.4075
#2	4.052	592.1	2.172	L-1.407
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701186 #32 Operator:
Run Time: 04/23/95 16:41:46
Comment: SDG:409418 ClientID:12-09SS-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34.16	30290.	1952.	41.54	60160.	42.67	442.0
SDev	.35	33.	.	.08	182.	.61	.6
%RSD	1.034	.1074	.0254	.2013	.3022	1.430	.1398
#1	34.41	30310.	1953.	41.48	60030.	43.10	441.5
#2	33.91	30270.	1952.	41.60	60290.	42.24	442.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	255.9	741.7	40500.	1363.	1661.	619.4	8.275
SDev	.4	1.3	63.	31.	3.	.9	.585
%RSD	.1413	.1716	.1560	2.258	.1696	.1394	7.065
#1	256.2	740.8	40450.	1385.	1659.	618.8	7.861
#2	255.7	742.6	40540.	1341.	1663.	620.1	8.688
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2120.	457.7	1639.	484.7	1373.	1115.	1407.
SDev	125.	2.0	10.	.7	2.	8.	.
%RSD	5.876	.4318	.6305	.1547	.1169	.7239	.0329
#1	2209.	456.3	1646.	485.2	1372.	1109.	1407.
#2	2032.	459.1	1631.	484.1	1374.	1121.	1407.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	223.4	1580.	1141.	1102.	221.9	224.1	1407.
SDev	.8	1.	.	12.	.3	1.3	12.
%RSD	.3413	.0429	.0150	1.106	.1157	.5673	.8631
#1	223.9	1579.	1141.	1093.	221.7	225.0	1415.
#2	222.8	1580.	1141.	1111.	222.1	223.2	1398.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1407.	310.1	3.936	L-.2352
SDev	5.	1.7	.638	.9980
%RSD	.3814	.5448	16.20	424.3
#1	1404.	309.0	3.485	.4705
#2	1411.	311.3	4.387	L-.9409
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701187 #33 Operator:
Run Time: 04/23/95 16:47:09
Comment: SDG:409418 ClientID:12-09SS-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34.55	23220.	1836.	39.11	105600.	41.71	418.4
SDev	.13	16.	6.	.12	554.	.27	1.1
%RSD	.3878	.0671	.3344	.3041	.5253	.6374	.2711
#1	34.65	23230.	1841.	39.02	105200.	41.53	417.6
#2	34.46	23210.	1832.	39.19	106000.	41.90	419.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	238.4	666.1	31220.	939.3	1805.	690.1	6.890
SDev	.7	.9	136.	11.0	2.	1.9	.022
%RSD	.2945	.1365	.4368	1.173	.1112	.2756	.3123
#1	237.9	666.8	31130.	947.1	1803.	688.7	6.905
#2	238.9	665.5	31320.	931.5	1806.	691.4	6.874
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2502.	434.6	1588.	449.9	1537.	986.8	1384.
SDev	76.	1.0	3.	1.1	5.	1.5	1.
%RSD	3.038	.2308	.1975	.2408	.2947	.1495	.0496
#1	2555.	433.9	1590.	449.1	1534.	985.7	1384.
#2	2448.	435.3	1585.	450.6	1540.	987.8	1383.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	147.9	1532.	1005.	977.4	145.3	149.1	1378.
SDev	.0	5.	2.	3.1	1.9	.9	7.
%RSD	.0154	.3218	.1680	.3125	1.316	.6171	.4927
#1	147.8	1528.	1007.	975.3	143.9	149.8	1373.
#2	147.9	1535.	1004.	979.6	146.6	148.5	1383.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1386.	202.5	9.751	L-1.116
SDev	4.	2.5	1.119	.544
%RSD	.3187	1.210	11.48	48.75
#1	1389.	200.8	8.960	L-1.501
#2	1383.	204.2	10.54	L-.7316
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: SDI701284 #34 Operator:
Run Time: 04/23/95 16:52:32
Comment: SDG:409418 ClientID:12-09SS-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7666	1968.	10.73	.0615	5009.	-.0445	1.132
SDev	.1523	2.	.01	.0148	9.	.0383	.089
%RSD	19.86	.0787	.0766	24.02	.1715	86.09	7.846
#1	-.6589	1967.	10.73	.0719	5015.	-.0174	1.069
#2	-.8742	1970.	10.74	.0510	5003.	-.0716	1.195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8.692	64.98	2655.	193.9	137.8	13.98	1.330
SDev	.065	.24	8.	5.2	.8	.02	.857
%RSD	.7504	.3628	.3139	2.674	.5781	.1782	64.40
#1	8.738	64.82	2661.	197.5	138.4	14.00	.7246
#2	8.646	65.15	2649.	190.2	137.3	13.97	1.936
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	734.6	2.844	2.156	3.392	133.2	90.57	.1476
SDev	11.8	.101	3.290	.141	.2	.29	4.106
%RSD	1.605	3.558	152.6	4.153	.1776	.3216	2781.
#1	742.9	2.772	-.1702	3.492	133.3	90.78	-2.756
#2	726.2	2.915	4.482	3.293	133.0	90.37	3.051
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.6901	2.803	90.78	90.47	1.693	.1887	3.148
SDev	.5947	.048	.40	.64	1.954	1.867	2.419
%RSD	86.18	1.718	.4419	.7041	115.4	989.6	76.84
#1	.2696	2.837	90.49	90.92	3.075	-1.132	4.859
#2	1.111	2.769	91.06	90.02	.3114	1.509	1.438
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.351	31.33	1.315	L-1.486
SDev	7.364	1.45	2.190	.062
%RSD	545.1	4.643	166.6	4.138
#1	-6.558	32.36	2.863	L-1.530
#2	3.856	30.30	L-.2336	L-1.443
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701185 #35 Operator:
Run Time: 04/23/95 16:57:55
Comment: SDG:409418 ClientID:12-01SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.468	54390.	162.5	.7937	4534.	-1.157	6.846
SDev	.408	79.	.4	.0079	28.	.094	.711
%RSD	6.308	.1450	.2488	.9977	.6100	8.143	10.39
#1	-6.180	54450.	162.8	.7993	4515.	-1.090	6.343
#2	-6.757	54340.	162.2	.7881	4554.	-1.223	7.349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	59.17	9.543	37280.	1311.	1821.	47.28	1.893
SDev	.17	.108	139.	21.	3.	.17	.213
%RSD	.2860	1.132	.3719	1.621	.1380	.3655	11.24
#1	59.05	9.619	37180.	1326.	1819.	47.16	2.043
#2	59.29	9.467	37370.	1296.	1822.	47.40	1.742
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1887.	11.91	-7.117	92.29	62.63	46.35	3.226
SDev	31.	.68	1.415	.13	.42	.62	.390
%RSD	1.641	5.719	19.89	.1358	.6729	1.329	12.09
#1	1909.	11.43	-6.116	92.20	62.33	46.79	3.502
#2	1865.	12.39	-8.118	92.38	62.92	45.92	2.950
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.032	2.825	60.88	39.10	1.348	-2.220	-10.51
SDev	.687	1.141	.59	.63	1.202	.430	.70
%RSD	66.62	40.40	.9772	1.603	89.18	19.37	6.643
#1	-.5456	2.018	61.30	39.54	2.198	-1.916	-11.00
#2	-1.517	3.633	60.45	38.66	.4980	-2.524	-10.01
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10.08	642.2	7.817	.7556
SDev	.93	3.3	6.376	.6487
%RSD	9.258	.5143	81.57	85.86
#1	10.74	639.9	3.308	.2968
#2	9.421	644.5	12.33	1.214
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701213 #36 Operator:
Run Time: 04/23/95 17:03:18
Comment: SDG:409418 ClientID:12-07SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.633	47820.	237.2	1.260	8666.	-1.301	6.040
SDev	.591	25.	.2	.003	8.	.280	.037
%RSD	10.49	.0533	.0704	.2000	.0875	21.52	.6096
#1	-5.215	47840.	237.1	1.262	8661.	-1.103	6.066
#2	-6.051	47800.	237.3	1.258	8671.	-1.499	6.014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	53.43	7.890	31020.	1091.	1602.	127.8	1.839
SDev	.50	.049	25.	20.	.	.1	.218
%RSD	.9367	.6254	.0818	1.820	.0291	.0579	11.83
#1	53.78	7.855	31010.	1105.	1602.	127.7	1.993
#2	53.07	7.925	31040.	1077.	1603.	127.8	1.685
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1080.	9.675	L-10.69	83.59	49.14	59.28	1.917
SDev	175.	.423	1.91	.16	.02	2.62	2.444
%RSD	16.17	4.369	17.85	.1878	.0369	4.426	127.5
#1	1204.	9.974	L-12.04	83.70	49.13	57.42	3.646
#2	956.9	9.376	-9.343	83.48	49.16	61.14	.1888
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.9102	4.535	72.55	52.66	-1.166	-.7834	-14.26
SDev	2.0145	.159	2.65	5.26	1.216	2.4130	3.28
%RSD	221.3	3.511	3.656	9.986	104.4	308.0	23.03
#1	.5143	4.422	74.42	48.94	-.3055	.9229	-11.94
#2	-2.335	4.648	70.67	56.37	-2.026	-2.490	-16.59
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9.995	616.0	7.686	1.059
SDev	2.025	2.9	4.915	1.920
%RSD	20.26	.4733	63.94	181.3
#1	11.43	613.9	4.211	2.417
#2	8.563	618.0	11.16	L-.2984
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/23/95 17:08:41
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	97.98	1886.	1024.	979.5	48960.	971.1	1007.
SDev	.08	1.	.	.7	32.	.4	.
%RSD	.0808	.0627	.0362	.0744	.0652	.0452	.0365
#1	98.04	1887.	1025.	979.0	48930.	970.8	1007.
#2	97.93	1885.	1024.	980.0	48980.	971.4	1008.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	966.1	999.3	2051.	49130.	48110.	994.0	994.2
SDev	.8	2.5	.	7.	29.	.3	2.7
%RSD	.0834	.2548	.0085	.0136	.0600	.0327	.2751
#1	966.6	997.5	2050.	49130.	48090.	993.7	992.3
#2	965.5	1001.	2051.	49130.	48130.	994.2	996.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48390.	983.6	1047.	980.4	2123.	1019.	1015.
SDev	4.	2.1	12.	.6	3.	1.	1.
%RSD	.0079	.2121	1.162	.0581	.1439	.0499	.1091
#1	48400.	982.1	1056.	980.0	2121.	1019.	1014.
#2	48390.	985.1	1038.	980.8	2125.	1019.	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1014.	1030.	1013.	1000.	1004.	1012.
SDev	1.	3.	1.	.	1.	1.	5.
%RSD	.0938	.3254	.1348	.0068	.0761	.1026	.5361
#1	1002.	1012.	1029.	1013.	999.6	1003.	1016.
#2	1003.	1016.	1031.	1013.	1001.	1005.	1008.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1016.	996.3	1023.	1049.
SDev	4.	2.4	2.	.
%RSD	.4298	.2425	.2256	.0271
#1	1013.	998.0	1025.	1049.
#2	1019.	994.6	1021.	1049.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/23/95 17:14:05
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1206	2.775	.2365	.1759	13.60	.3070	.2994
SDev	.2619	2.610	.0166	.0003	.51	.1209	.3048
%RSD	217.2	94.05	7.001	.1915	3.750	39.38	101.8
#1	.0646	4.620	.2482	.1756	13.24	.3925	.5149
#2	-.3058	.9293	.2248	.1761	13.96	.2215	.0839
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2864	.4154	1.588	16.60	9.302	.1863	.6691
SDev	.0378	.0979	2.037	1.17	.017	.0566	1.139
%RSD	13.19	23.57	128.3	7.068	.1829	30.35	170.2
#1	.2597	.4846	3.029	17.43	9.314	.2263	1.474
#2	.3131	.3461	.1474	15.77	9.290	.1464	-.1360
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	127.0	.2512	-2.406	.4061	.4905	.1595	1.493
SDev	51.8	.4718	.955	.0029	.0885	1.492	.274
%RSD	40.76	187.8	39.71	.7042	18.04	935.4	18.35
#1	163.6	.5849	-1.730	.4041	.5531	1.215	1.687
#2	90.40	-.0824	-3.081	.4081	.4279	-.8956	1.300
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3566	1.629	-.6545	.5654	.7575	.1558	3.438
SDev	1.740	1.013	2.3767	1.051	3.206	1.008	2.662
%RSD	487.9	62.21	363.1	185.8	423.2	646.5	77.42
#1	1.587	.9126	1.026	1.308	3.024	.8682	1.556
#2	-.8735	2.346	-2.335	-.1775	-1.509	-.5566	5.320
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5218	.9659	-.4999	-.8916
SDev	1.740	.2750	.7693	.5901
%RSD	333.4	28.47	153.9	66.18
#1	1.752	.7715	-1.044	-1.309
#2	-.7083	1.160	.0440	-.4744
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: 701219 #39 Operator:
Run Time: 04/23/95 17:19:28
Comment: SDG:409418 ClientID:12-08SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-20.20	108200.	336.4	1.489	8933.	.0744	15.32
SDev	.29	299.	1.8	.002	118.	.4261	.23
%RSD	1.447	.2767	.5487	.1552	1.317	572.6	1.481
#1	L-20.00	108400.	337.7	1.488	8850.	.3757	15.16
#2	L-20.41	108000.	335.1	1.491	9016.	-.2269	15.48
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	110.9	23.04	116500.	3387.	4118.	55.99	1.001
SDev	.6	.00	781.	56.	9.	.40	.944
%RSD	.5248	.0066	.6709	1.656	.2189	.7081	94.32
#1	110.5	23.04	115900.	3427.	4112.	55.71	.3333
#2	111.3	23.03	117000.	3347.	4124.	56.27	1.668
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2928.	24.39	-7.142	147.2	82.69	70.48	5.877
SDev	138.	.55	1.868	1.2	.72	.66	1.177
%RSD	4.719	2.273	26.16	.7867	.8660	.9396	20.03
#1	3026.	24.00	-5.821	146.4	82.18	70.01	5.045
#2	2830.	24.78	-8.463	148.0	83.19	70.95	6.709
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.385	5.096	86.16	62.65	-2.387	-.8856	-10.25
SDev	.477	.836	.38	1.18	.725	1.0772	1.15
%RSD	34.44	16.41	.4449	1.890	30.38	121.6	11.26
#1	-1.048	4.505	86.43	61.82	-2.899	-.1240	-9.432
#2	-1.722	5.687	85.89	63.49	-1.874	-1.647	-11.06
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13.93	641.4	7.178	1.742
SDev	2.34	7.0	5.163	1.305
%RSD	16.81	1.093	71.93	74.95
#1	12.27	636.5	10.83	2.665
#2	15.58	646.4	3.527	.8187
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701241 #40 Operator:
Run Time: 04/23/95 17:24:50
Comment: SDG:409418 ClientID:12-13SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-4.276	44510.	117.3	.6232	1292.	-1.444	6.736
SDev	.658	5.	.1	.0134	.	.206	.275
%RSD	15.38	.0120	.0710	2.143	.0038	14.25	4.081
#1	-3.811	44510.	117.3	.6327	1292.	-1.299	6.541
#2	-4.741	44510.	117.4	.6138	1292.	-1.590	6.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	54.05	5.896	24010.	1104.	1583.	60.20	1.136
SDev	.48	.039	18.	22.	3.	.04	1.310
%RSD	.8827	.6657	.0766	1.975	.2072	.0644	115.3
#1	54.38	5.868	23990.	1119.	1580.	60.22	.2094
#2	53.71	5.924	24020.	1088.	1585.	60.17	2.062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1109.	10.93	L-11.45	80.75	49.99	39.63	1.581
SDev	175.	.24	2.39	.15	.22	.52	.872
%RSD	15.79	2.215	20.84	.1827	.4415	1.312	55.16
#1	1233.	11.10	-9.763	80.65	50.14	39.26	.9642
#2	985.5	10.76	L-13.14	80.86	49.83	40.00	2.197
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.8815	-.3656	55.46	31.72	-2.036	-.3060	-12.53
SDev	.3318	.9950	2.93	2.24	.943	.0266	6.06
%RSD	37.64	272.2	5.287	7.072	46.34	8.701	48.33
#1	-.6469	-1.069	57.54	30.14	-1.369	-.2872	-16.81
#2	-1.116	.3380	53.39	33.31	-2.703	-.3249	-8.249
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8.625	882.3	9.343	L-.2887
SDev	1.716	1.9	7.223	.8239
%RSD	19.90	.2111	77.31	285.3
#1	9.839	881.0	4.235	.2939
#2	7.412	883.7	14.45	L-.8713
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701244 #41 Operator:
Run Time: 04/23/95 17:30:13
Comment: SDG:409418 ClientID:12-12SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.747	40180.	98.38	.5795	2017.	-1.273	5.261
SDev	.518	23.	.04	.0169	2.	.092	.164
%RSD	13.82	.0578	.0392	2.908	.1224	7.222	3.111
#1	-3.381	40190.	98.35	.5914	2015.	-1.208	5.145
#2	-4.113	40160.	98.41	.5675	2019.	-1.338	5.377
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	50.19	7.788	21140.	1089.	1479.	51.34	1.158
SDev	.41	.020	22.	17.	2.	.01	.289
%RSD	.8167	.2543	.1032	1.577	.1106	.0165	25.00
#1	50.48	7.774	21130.	1102.	1480.	51.35	.9530
#2	49.90	7.802	21160.	1077.	1478.	51.33	1.362
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1325.	8.050	-9.905	81.60	72.97	54.13	2.750
SDev	120.	.184	1.343	.07	.09	1.03	3.267
%RSD	9.056	2.287	13.56	.0864	.1230	1.898	118.8
#1	1410.	8.181	L-10.85	81.55	72.91	53.40	5.060
#2	1240.	7.920	-8.955	81.65	73.03	54.85	.4399
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5258	.8570	67.67	47.36	.2917	-.9346	-13.93
SDev	1.5931	1.263	.61	1.84	2.879	.9514	5.84
%RSD	303.0	147.4	.8987	3.892	986.8	101.8	41.93
#1	-1.652	-.0361	68.10	46.06	-1.744	-1.607	-9.803
#2	.6007	1.750	67.24	48.67	2.327	-.2618	-18.06
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.08	723.4	4.519	.4224
SDev	1.98	.1	5.524	.3461
%RSD	17.88	.0160	122.2	81.93
#1	12.48	723.4	.6136	.1777
#2	9.678	723.5	8.425	.6671
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701248 #42 Operator:
Run Time: 04/23/95 17:35:36
Comment: SDG:409418 ClientID:12-10SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.497	69760.	175.3	.8474	643.7	-.6402	8.681
SDev	.171	112.	.9	.0107	7.5	.1911	.353
%RSD	2.007	.1612	.4953	1.269	1.169	29.85	4.062
#1	-8.376	69840.	175.9	.8398	638.3	-.7753	8.432
#2	-8.617	69680.	174.7	.8551	649.0	-.5050	8.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	76.85	9.234	47600.	1665.	2393.	62.31	2.029
SDev	.61	.294	242.	18.	11.	.45	.769
%RSD	.7948	3.179	.5086	1.109	.4543	.7208	37.91
#1	76.42	9.026	47430.	1678.	2386.	62.00	2.572
#2	77.28	9.442	47770.	1652.	2401.	62.63	1.485
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1136.	14.19	-7.221	101.6	60.17	71.38	4.094
SDev	37.	.10	3.623	.4	.68	1.35	2.915
%RSD	3.295	.7160	50.17	.4142	1.123	1.894	71.19
#1	1162.	14.12	-9.783	101.3	59.69	72.33	2.033
#2	1109.	14.26	-4.660	101.9	60.64	70.42	6.155
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1103	2.036	86.12	64.01	-.2473	.2882	-9.472
SDev	.2286	.739	2.89	.58	2.1930	.7522	4.242
%RSD	207.2	36.30	3.360	.9100	886.9	261.0	44.78
#1	-.0513	2.558	88.17	64.42	-1.798	.8201	-12.47
#2	.2719	1.513	84.08	63.60	1.303	-.2437	-6.473
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10.87	962.6	8.601	.9171
SDev	2.25	5.8	4.942	.0495
%RSD	20.73	.6003	57.45	5.400
#1	9.274	958.5	12.10	.8820
#2	12.46	966.7	5.107	.9521
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701265 #43 Operator:
Run Time: 04/23/95 17:40:59
Comment: SDG:409418 ClientID:12-04SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-20.63	115900.	266.3	1.562	11350.	-.1111	13.88
SDev	.18	77.	.9	.009	79.	.1151	.28
%RSD	.8562	.0665	.3322	.5696	.6927	103.6	2.043
#1	L-20.50	115900.	267.0	1.556	11290.	-.1925	13.68
#2	L-20.75	115800.	265.7	1.568	11400.	-.0298	14.08
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	118.4	21.87	117200.	2779.	4435.	184.6	1.462
SDev	.4	.04	432.	19.	12.	.9	.895
%RSD	.3521	.1944	.3682	.6714	.2749	.4758	61.23
#1	118.1	21.90	116900.	2793.	4426.	184.0	.8292
#2	118.7	21.84	117500.	2766.	4443.	185.2	2.096
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1600.	24.89	-5.928	174.0	88.22	62.35	5.850
SDev	51.	.17	1.307	.4	.76	.14	.610
%RSD	3.157	.6820	22.05	.2366	.8660	.2231	10.43
#1	1636.	25.01	-5.004	173.7	87.68	62.45	5.418
#2	1564.	24.77	-6.853	174.3	88.76	62.26	6.281
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.163	8.340	76.66	55.21	-3.862	-2.815	-5.715
SDev	.184	4.737	1.36	.47	2.797	1.121	.593
%RSD	5.813	56.79	1.769	.8488	72.42	39.81	10.37
#1	-3.293	4.991	77.62	54.88	-5.840	-2.023	-6.134
#2	-3.033	11.69	75.70	55.54	-1.885	-3.607	-5.296
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.62	745.9	4.980	2.425
SDev	.62	5.7	3.029	1.822
%RSD	5.325	.7669	60.82	75.16
#1	11.19	741.9	2.838	3.713
#2	12.06	750.0	7.122	1.136
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701281 #44 Operator:
Run Time: 04/23/95 17:46:22
Comment: SDG:409418 ClientID:12-06SSD1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.854	29770.	152.3	.8425	2348.	-1.437	5.795
SDev	.524	35.	.1	.0019	7.	.009	.203
%RSD	13.59	.1181	.0519	.2194	.3014	.6497	3.505
#1	-3.484	29800.	152.3	.8438	2343.	-1.443	5.652
#2	-4.225	29750.	152.4	.8412	2353.	-1.430	5.939
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	75.62	11.78	21740.	817.3	1095.	81.94	1.496
SDev	.23	.09	10.	10.0	3.	.16	.956
%RSD	.3073	.7507	.0461	1.226	.2410	.1963	63.90
#1	75.46	11.72	21730.	824.3	1094.	81.82	.8201
#2	75.79	11.84	21740.	810.2	1097.	82.05	2.172
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1342.	7.235	-7.671	62.79	110.4	271.0	6.248
SDev	112.	.163	.618	.27	.4	.1	.172
%RSD	8.318	2.255	8.062	.4265	.3407	.0487	2.749
#1	1421.	7.350	-8.108	62.60	110.2	271.0	6.370
#2	1263.	7.120	-7.234	62.98	110.7	271.1	6.127
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.8092	-.3261	284.9	264.1	-.8953	-.7668	-7.768
SDev	.7509	2.1983	.9	.6	1.2853	.4841	.379
%RSD	92.79	674.1	.3118	.2429	143.6	63.12	4.884
#1	-1.340	-1.881	285.5	263.7	-1.804	-1.109	-7.500
#2	-.2783	1.228	284.3	264.6	.0135	-.4245	-8.037
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13.25	525.7	7.856	.6311
SDev	.07	2.1	1.405	3.421
%RSD	.5141	.3955	17.88	542.1
#1	13.29	524.2	6.862	3.050
#2	13.20	527.1	8.849	L-1.788
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701294 #45 Operator:
Run Time: 04/23/95 17:51:45
Comment: SDG:409418 ClientID:12-06SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-4.457	41480.	142.9	.8161	1399.	-1.500	6.759
SDev	.487	23.	.1	.0008	2.	.098	.139
%RSD	10.93	.0556	.0711	.0973	.1140	6.510	2.058
#1	-4.113	41470.	142.8	.8155	1398.	-1.431	6.661
#2	-4.802	41500.	142.9	.8166	1400.	-1.569	6.857
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	54.73	7.036	24280.	1183.	1540.	81.31	2.096
SDev	.75	.715	32.	19.	2.	.16	.399
%RSD	1.371	10.17	.1304	1.591	.1224	.2015	19.05
#1	55.26	6.530	24250.	1196.	1541.	81.20	2.378
#2	54.20	7.542	24300.	1170.	1539.	81.43	1.814
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1179.	11.57	L-11.28	85.72	38.88	49.12	.7516
SDev	122.	.56	.27	.37	.13	.73	.3878
%RSD	10.37	4.803	2.412	.4321	.3424	1.478	51.60
#1	1266.	11.17	L-11.08	85.98	38.97	48.61	.4773
#2	1093.	11.96	L-11.47	85.46	38.78	49.64	1.026
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0857	2.312	63.72	41.83	1.205	-.7308	-14.02
SDev	.5553	.659	1.47	1.82	.903	1.2833	2.25
%RSD	648.3	28.51	2.312	4.361	74.90	175.6	16.03
#1	.3070	2.778	64.76	40.54	.5670	.1766	-12.43
#2	-.4783	1.846	62.68	43.12	1.844	-1.638	-15.61
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8.126	870.4	4.659	L-.2790
SDev	1.703	.6	.643	3.5946
%RSD	20.96	.0695	13.81	1289.
#1	6.921	870.0	5.114	2.263
#2	9.330	870.8	4.204	L-2.821
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701297 #46 Operator:
Run Time: 04/23/95 17:57:08
Comment: SDG:409418 ClientID:12-03SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.309	48040.	177.8	.8345	24530.	-1.182	6.396
SDev	.268	47.	.7	.0015	238.	.030	.112
%RSD	4.247	.0978	.4158	.1828	.9723	2.525	1.753
#1	-6.120	48070.	178.3	.8356	24360.	-1.203	6.317
#2	-6.499	48010.	177.2	.8334	24690.	-1.161	6.475
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.12	8.444	35350.	1279.	1754.	146.3	1.535
SDev	.20	.040	198.	12.	3.	.9	.114
%RSD	.3644	.4751	.5592	.9544	.1797	.6158	7.395
#1	55.98	8.473	35210.	1287.	1751.	145.6	1.616
#2	56.27	8.416	35490.	1270.	1756.	146.9	1.455
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1638.	11.20	-6.504	78.58	62.71	58.55	.4676
SDev	82.	.18	2.321	.40	.09	.97	.1449
%RSD	4.988	1.602	35.68	.5142	.1406	1.651	30.99
#1	1696.	11.08	-4.863	78.30	62.65	59.24	.5701
#2	1581.	11.33	-8.145	78.87	62.78	57.87	.3651
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.018	2.687	70.08	52.80	-2.013	-.5224	-12.69
SDev	.504	2.413	4.07	.58	1.182	.1653	3.51
%RSD	49.49	89.82	5.804	1.102	58.73	31.64	27.62
#1	-1.375	.9805	72.96	52.38	-2.849	-.6393	-10.21
#2	-.6621	4.394	67.21	53.21	-1.177	-.4055	-15.17
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.038	669.4	5.786	2.216
SDev	1.534	5.1	3.826	.448
%RSD	21.79	.7684	66.12	20.21
#1	5.954	665.7	8.492	2.533
#2	8.123	673.0	3.081	1.900
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701306 #47 Operator:
Run Time: 04/23/95 18:02:31
Comment: SDG:409418 ClientID:12-05SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-4.888	41500.	308.4	1.396	428.3	-1.567	5.414
SDev	.158	.	1.2	.014	4.1	.039	.381
%RSD	3.240	.0011	.3911	.9705	.9567	2.506	7.045
#1	-4.776	41500.	309.3	1.386	425.4	-1.539	5.144
#2	-5.000	41500.	307.6	1.406	431.2	-1.595	5.684
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47.00	6.140	27390.	1036.	1318.	53.92	.9926
SDev	.25	.185	90.	13.	4.	.31	.4743
%RSD	.5220	3.020	.3304	1.222	.2666	.5804	47.78
#1	46.83	6.009	27330.	1045.	1315.	53.70	1.328
#2	47.17	6.271	27460.	1027.	1320.	54.14	.6573
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2175.	7.931	-9.813	74.58	34.21	78.69	2.166
SDev	18.	.679	.685	.48	.06	.55	.980
%RSD	.8294	8.566	6.984	.6413	.1685	.6955	45.23
#1	2188.	7.451	L-10.30	74.24	34.16	79.08	1.473
#2	2162.	8.411	-9.328	74.92	34.25	78.30	2.858
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5623	4.742	92.22	71.93	.2320	.7266	-14.47
SDev	1.511	.400	1.89	.12	2.697	.9191	.15
%RSD	268.7	8.430	2.046	.1686	1162.	126.5	1.042
#1	1.631	5.025	93.56	71.85	2.139	1.376	-14.58
#2	-.5062	4.459	90.89	72.02	-1.675	.0767	-14.37
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10.47	740.0	4.880	L-.9310
SDev	1.39	4.5	1.272	.0819
%RSD	13.31	.6089	26.07	8.795
#1	9.486	736.8	5.780	L-.9889
#2	11.46	743.2	3.980	L-.8731
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701309 #48 Operator:
Run Time: 04/23/95 18:07:54
Comment: SDG:409418 ClientID:12-02SS-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.973	30010.	268.2	.5743	46360.	.1731	12.83
SDev	.390	1.	.3	.0080	29.	.1046	.12
%RSD	6.526	.0325	.0935	1.387	.0630	60.44	.9517
#1	-5.698	30000.	268.4	.5800	46340.	.2470	12.74
#2	-6.249	30020.	268.0	.5687	46380.	.0991	12.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	639.9	19.53	34340.	1024.	1401.	183.5	2.136
SDev	.6	.09	14.	19.	1.	.0	.654
%RSD	.0865	.4860	.0421	1.861	.0806	.0265	30.62
#1	639.5	19.46	34330.	1038.	1401.	183.6	1.674
#2	640.3	19.60	34350.	1011.	1402.	183.5	2.599
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1902.	8.593	L-11.63	54.86	1242.	1515.	4.675
SDev	108.	.014	5.09	.13	2.	3.	2.733
%RSD	5.691	.1619	43.82	.2423	.1654	.1712	58.47
#1	1979.	8.583	L-15.23	54.76	1241.	1513.	6.608
#2	1826.	8.602	-8.024	54.95	1244.	1517.	2.742
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.436	3.207	1542.	1502.	5.055	2.627	-6.487
SDev	.003	.107	1.	3.	1.509	.757	4.437
%RSD	.0765	3.323	.0877	.2140	29.85	28.83	68.41
#1	3.438	3.282	1541.	1500.	3.988	3.163	-3.349
#2	3.434	3.132	1543.	1504.	6.122	2.091	-9.624
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10.25	412.8	10.45	1.629
SDev	1.88	1.0	.81	.678
%RSD	18.37	.2446	7.798	41.61
#1	11.58	412.0	11.03	2.109
#2	8.915	413.5	9.873	1.150
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/23/95 18:13:18
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.62	1878.	1011.	979.1	49420.	971.5	1011.
SDev	.23	.	3.	1.5	264.	1.3	3.
%RSD	.2347	.0128	.3024	.1527	.5337	.1330	.2849
#1	98.79	1878.	1009.	980.1	49610.	972.5	1013.
#2	98.46	1878.	1013.	978.0	49230.	970.6	1009.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	970.5	996.7	2075.	49170.	48190.	996.9	998.5
SDev	3.0	2.0	9.	94.	48.	3.0	1.1
%RSD	.3041	.2040	.4245	.1918	.1000	.3047	.1127
#1	972.6	995.3	2081.	49100.	48220.	999.1	999.3
#2	968.4	998.2	2069.	49230.	48160.	994.8	997.7
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48620.	981.3	1050.	986.7	2139.	1022.	1020.
SDev	42.	.3	1.	2.3	9.	3.	2.
%RSD	.0861	.0349	.0518	.2323	.4327	.3359	.1706
#1	48650.	981.0	1051.	988.3	2145.	1025.	1018.
#2	48590.	981.5	1050.	985.0	2132.	1020.	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1012.	1031.	1018.	1010.	1000.	1017.
SDev	1.	7.	4.	3.	1.	1.	.
%RSD	.0949	.7145	.3464	.3306	.0682	.1084	.0156
#1	1003.	1017.	1033.	1021.	1009.	999.3	1017.
#2	1004.	1007.	1028.	1016.	1010.	1001.	1017.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1021.	1001.	1024.	1043.
SDev	3.	1.	4.	4.
%RSD	.2631	.1400	.3512	.4042
#1	1019.	1002.	1027.	1040.
#2	1023.	999.6	1021.	1046.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/23/95 18:18:42
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0258	7.623	.2691	.1770	14.46	.2658	.3736
SDev	.0061	.684	.0161	.0326	.73	.1263	.1054
%RSD	23.57	8.976	5.985	18.42	5.044	47.51	28.21
#1	.0215	8.106	.2805	.2001	14.98	.1765	.4481
#2	.0301	7.139	.2577	.1540	13.95	.3551	.2990
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3157	.4777	2.071	20.18	10.38	.1982	.8706
SDev	.1628	.1467	5.442	.75	.54	.0035	.3505
%RSD	51.57	30.71	262.8	3.702	5.198	1.765	40.25
#1	.4309	.5814	5.918	19.65	10.76	.2007	1.118
#2	.2006	.3739	-1.777	20.71	9.994	.1957	.6228
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	137.1	.1502	4.333	.4405	.4909	-.2414	-1.305
SDev	100.8	.2334	2.250	.2020	.2654	.2025	2.301
%RSD	73.47	155.4	51.93	45.86	54.06	83.89	176.3
#1	208.4	.3152	5.924	.5834	.6786	-.0982	-2.932
#2	65.89	-.0149	2.742	.2977	.3033	-.3846	.3217
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.301	4.010	-.3101	-.2077	1.202	1.350	4.721
SDev	1.384	.820	1.0516	.2214	.506	2.328	5.207
%RSD	106.4	20.45	339.1	106.6	42.07	172.4	110.3
#1	2.280	3.430	.4335	-.3643	.8446	2.996	1.040
#2	.3227	4.590	-1.054	-.0512	1.560	-.2956	8.403
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-4.314	3.331	-1.478	-.9836
SDev	.850	.744	.623	.8197
%RSD	19.70	22.34	42.17	83.34
#1	-4.915	3.857	-1.918	-.4040
#2	-3.714	2.805	-1.037	-1.563
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: 701287 #51 Operator:
Run Time: 04/23/95 18:24:05
Comment: SDG:409527 ClientID:12-09SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.136	62220.	401.5	1.885	968.9	-.7901	17.22
SDev	.439	52.	1.9	.024	11.7	.0488	.36
%RSD	6.145	.0832	.4849	1.249	1.211	6.182	2.065
#1	-6.826	62260.	402.8	1.869	960.6	-.8246	16.97
#2	-7.446	62180.	400.1	1.902	977.2	-.7556	17.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	69.61	13.81	38290.	2043.	4515.	29.43	.8871
SDev	.30	.08	247.	34.	14.	.12	.9605
%RSD	.4365	.5851	.6453	1.663	.3176	.4145	108.3
#1	69.83	13.87	38120.	2067.	4505.	29.35	.2079
#2	69.40	13.76	38470.	2019.	4525.	29.52	1.566
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1449.	29.94	-6.112	70.35	89.71	64.08	.2301
SDev	123.	.28	.599	.30	.91	.36	.3287
%RSD	8.502	.9508	9.794	.4225	1.011	.5657	142.8
#1	1536.	30.14	-6.536	70.14	89.07	64.34	-.0023
#2	1362.	29.74	-5.689	70.56	90.35	63.83	.4626
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.601	4.866	76.80	57.73	-3.660	-.5730	-11.32
SDev	1.349	1.109	.55	.27	1.451	1.2988	3.56
%RSD	84.30	22.80	.7116	.4688	39.64	226.7	31.48
#1	-2.555	4.081	77.19	57.92	-4.686	-1.491	-13.84
#2	-.6465	5.650	76.42	57.54	-2.634	.3454	-8.803
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.997	359.6	20.69	1.212
SDev	1.286	4.5	.03	1.331
%RSD	21.45	1.259	.1324	109.8
#1	6.907	356.4	20.71	2.153
#2	5.088	362.8	20.67	.2713
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701175 #52 Operator:
Run Time: 04/23/95 18:29:28
Comment: SDG:409527 ClientID:12-09SB-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-9.660	66190.	420.0	2.064	789.5	-.7342	17.70
SDev	.134	14.	1.1	.014	4.9	.0241	.02
%RSD	1.387	.0211	.2647	.6850	.6223	3.278	.1305
#1	-9.565	66200.	420.8	2.054	786.0	-.7512	17.69
#2	-9.754	66180.	419.2	2.074	793.0	-.7171	17.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	71.86	13.34	51020.	2330.	4696.	26.79	1.351
SDev	.03	.07	149.	16.	3.	.00	.268
%RSD	.0467	.5025	.2917	.7006	.0742	.0140	19.84
#1	71.88	13.29	50910.	2342.	4693.	26.79	1.162
#2	71.83	13.38	51120.	2319.	4698.	26.79	1.541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1531.	28.26	-8.167	104.5	80.80	62.79	.2826
SDev	2.	.03	5.429	.7	.43	.75	3.345
%RSD	.1350	.1159	66.48	.6388	.5357	1.201	1183.
#1	1532.	28.23	L-12.01	104.1	80.49	62.25	2.648
#2	1529.	28.28	-4.328	105.0	81.10	63.32	-2.083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2046	12.68	74.41	56.99	-.4865	-.0645	-8.416
SDev	.3025	1.48	.86	1.56	2.6126	.8509	1.999
%RSD	147.8	11.66	1.159	2.739	537.0	1319.	23.75
#1	.0092	11.63	75.02	55.88	1.361	-.6662	-7.003
#2	-.4185	13.73	73.80	58.09	-2.334	.5371	-9.829
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.625	466.5	21.57	L-.4628
SDev	4.017	4.3	3.01	.9353
%RSD	86.86	.9294	13.94	202.1
#1	7.465	463.5	19.44	L-1.124
#2	1.784	469.6	23.69	.1986
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701172 #53 Operator:
Run Time: 04/23/95 18:34:51
Comment: SDG:409527 ClientID:12-09SB-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	38.60	79270.	2303.	46.08	868.5	45.43	483.5
SDev	.31	8.	4.	.07	3.5	.24	1.2
%RSD	.8048	.0102	.1655	.1489	.4004	.5217	.2504
#1	38.81	79270.	2300.	46.13	871.0	45.60	484.3
#2	38.38	79260.	2306.	46.03	866.1	45.26	482.6
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	265.2	263.3	43950.	2624.	5406.	509.3	.6320
SDev	.7	.8	73.	7.	12.	.7	.1914
%RSD	.2468	.3067	.1659	.2632	.2151	.1322	30.29
#1	265.7	262.7	44000.	2629.	5414.	509.8	.7673
#2	264.8	263.9	43890.	2620.	5398.	508.8	.4967
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1655.	495.2	1793.	558.0	602.2	514.9	1534.
SDev	123.	.4	19.	.6	1.9	1.1	8.
%RSD	7.453	.0814	1.062	.1163	.3095	.2190	.5040
#1	1742.	495.5	1780.	558.5	603.5	515.7	1529.
#2	1568.	494.9	1807.	557.5	600.9	514.1	1540.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	174.2	1698.	529.0	507.9	173.7	174.5	1530.
SDev	3.8	2.	3.8	.2	2.8	4.3	9.
%RSD	2.164	.0925	.7274	.0454	1.584	2.452	.5921
#1	176.9	1697.	531.7	507.7	175.6	177.5	1523.
#2	171.6	1699.	526.2	508.0	171.8	171.5	1536.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1537.	389.4	19.59	.3067
SDev	7.	.5	2.24	.0140
%RSD	.4603	.1211	11.44	4.568
#1	1532.	389.1	18.01	.3166
#2	1542.	389.7	21.18	.2968
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701173 #54 Operator:
Run Time: 04/23/95 18:40:14
Comment: SDG:409527 ClientID:12-09SB-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	40.34	56760.	2297.	44.92	1047.	44.31	471.7
SDev	.02	31.	2.	.13	6.	.31	1.7
%RSD	.0453	.0555	.0790	.2927	.5543	.6969	.3652
#1	40.33	56780.	2299.	44.83	1043.	44.53	470.5
#2	40.36	56740.	2296.	45.02	1051.	44.09	472.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	241.7	260.7	31170.	1780.	4208.	487.5	.9760
SDev	.4	.1	64.	13.	5.	1.0	1.334
%RSD	.1842	.0530	.2064	.7535	.1158	.2122	136.7
#1	241.4	260.8	31130.	1789.	4212.	486.8	.0329
#2	242.0	260.6	31220.	1770.	4205.	488.3	1.919
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1443.	481.0	1758.	521.7	566.1	501.6	1512.
SDev	64.	1.2	7.	.5	.7	.9	9.
%RSD	4.406	.2393	.4091	.0886	.1268	.1754	.5993
#1	1488.	480.2	1763.	521.3	565.6	501.0	1506.
#2	1398.	481.8	1752.	522.0	566.6	502.2	1519.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	228.3	1678.	516.0	494.4	227.7	228.6	1502.
SDev	.9	2.	1	1.8	1.5	.6	16.
%RSD	.3864	.1258	.1925	.3671	.6713	.2448	1.097
#1	228.9	1676.	516.7	493.1	228.8	229.0	1490.
#2	227.6	1679.	515.3	495.7	226.6	228.2	1513.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1518.	250.4	17.41	L-.7158
SDev	5.	4.1	2.48	.5777
%RSD	.3536	1.636	14.23	80.71
#1	1514.	247.5	19.17	L-1.124
#2	1522.	253.2	15.66	L-.3073
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: SDI701287 #55 Operator:
Run Time: 04/23/95 18:45:37
Comment: SDG:409527 ClientID:12-09SB-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.033	16390.	107.6	.4992	237.6	-.3218	4.840
SDev	.006	12.	.2	.0001	.1	.0597	.061
%RSD	.2996	.0761	.1929	.0284	.0332	18.55	1.253
#1	-2.028	16400.	107.7	.4993	237.5	-.2796	4.883
#2	-2.037	16380.	107.5	.4991	237.7	-.3640	4.797
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.40	3.587	10040.	527.8	1223.	7.606	1.347
SDev	.34	.128	25.	2.4	1.	.016	.576
%RSD	1.866	3.557	.2496	.4526	.1198	.2101	42.76
#1	18.16	3.677	10030.	526.1	1224.	7.617	1.754
#2	18.64	3.497	10060.	529.5	1222.	7.595	.9397
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	724.2	7.964	-.4290	18.46	24.66	14.62	.0618
SDev	2.7	.069	.9468	.01	.10	.59	3.676
%RSD	.3697	.8612	220.7	.0285	.4175	4.065	5954.
#1	726.1	8.012	.2404	18.45	24.59	14.20	2.661
#2	722.3	7.915	-1.098	18.46	24.74	15.04	-2.538
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2012	2.867	16.05	13.90	-.5751	-.0151	-.0935
SDev	.1248	2.989	.26	1.02	.8641	.2443	5.1912
%RSD	62.04	104.3	1.590	7.326	150.3	1619.	5552.
#1	-.1129	.7527	16.24	13.18	.0360	-.1878	3.577
#2	-.2894	4.980	15.87	14.62	-1.186	.1577	-3.764
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1387	95.32	L-.5242	1.086
SDev	2.920	.69	.7627	.500
%RSD	2105.	.7251	145.5	46.04
#1	2.204	94.83	.0151	.7328
#2	-1.926	95.81	L-1.064	1.440
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

INORGANIC SDG 04581M

Analysis Report Sun 04-23-95 06:56:19 PM page 1

Method: CLPSUE Sample Name: 701170 #56 Operator:
Run Time: 04/23/95 18:50:59
Comment: SDG:409527 ClientID:12-01SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-26.39	107800.	307.4	2.199	5928.	.7777	15.20
SDev	.76	19.	1.1	.028	52.	.3050	.13
%RSD	2.862	.0175	.3591	1.262	.8693	39.22	.8362
#1	L-25.85	107800.	308.2	2.179	5892.	.9934	15.11
#2	L-26.92	107800.	306.6	2.218	5965.	.5621	15.29
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	118.4	20.77	143600.	2797.	4356.	46.98	2.205
SDev	.1	.00	712.	37.	8.	.14	.734
%RSD	.1070	.0137	.4955	1.320	.1805	.3000	33.27
#1	118.5	20.77	143100.	2823.	4350.	46.88	1.686
#2	118.3	20.78	144100.	2771.	4362.	47.08	2.724
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	966.6	25.91	-1.976	133.1	127.4	75.83	11.20
SDev	176.9	.77	2.750	.5	.7	1.03	2.06
%RSD	18.30	2.965	139.2	.3866	.5220	1.358	18.40
#1	1092.	26.45	-.0308	132.7	126.9	75.10	9.742
#2	841.5	25.37	-3.920	133.5	127.8	76.56	12.66
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.540	8.058	88.57	69.47	-2.770	-.9265	-1.600
SDev	1.624	.741	.42	1.33	.795	2.0371	2.062
%RSD	105.4	9.193	.4791	1.917	28.71	219.9	128.9
#1	-.3920	8.582	88.27	68.53	-2.208	.5139	-.1416
#2	-2.688	7.534	88.87	70.41	-3.332	-2.367	-3.058
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	17.59	1018.	21.10	3.405
SDev	4.12	5.	.63	.107
%RSD	23.42	.4524	2.977	3.128
#1	14.68	1014.	20.65	3.481
#2	20.50	1021.	21.54	3.330
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701216 #57 Operator:
Run Time: 04/23/95 18:56:22
Comment: SDG:409527 ClientID:12-08SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.886	94480.	376.9	1.271	1561.	-.3144	15.25
SDev	.183	56.	1	.003	10.	.1571	.03
%RSD	2.653	.0596	.2523	.2071	.6424	49.96	.1894
#1	-6.757	94520.	377.5	1.269	1554.	-.2034	15.23
#2	-7.015	94440.	376.2	1.272	1568.	-.4255	15.27
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	93.76	19.11	39460.	2285.	3904.	71.11	2.028
SDev	.48	.13	126.	18.	7.	.14	.447
%RSD	.5107	.6634	.3192	.8061	.1844	.1992	22.04
#1	93.42	19.03	39370.	2298.	3899.	71.01	2.344
#2	94.10	19.20	39540.	2272.	3909.	71.21	1.712
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1904.	24.21	-5.546	156.1	104.9	65.14	2.351
SDev	38.	.09	.362	.7	.6	1.84	.967
%RSD	1.996	.3690	6.531	.4204	.5421	2.829	41.13
#1	1931.	24.28	-5.802	155.7	104.5	63.83	1.667
#2	1877.	24.15	-5.290	156.6	105.3	66.44	3.035
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4236	9.850	76.75	59.33	-1.033	-.1198	-6.269
SDev	2.0196	.636	.55	3.04	1.964	2.0474	.406
%RSD	476.8	6.453	.7101	5.115	190.0	1709.	6.484
#1	1.004	10.30	77.14	57.19	.3552	1.328	-6.557
#2	-1.852	9.401	76.37	61.48	-2.422	-1.567	-5.982
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.655	747.4	18.84	.0839
SDev	1.247	5.1	2.43	2.633
%RSD	18.74	.6886	12.90	3140.
#1	5.773	743.8	20.56	L-1.778
#2	7.536	751.1	17.12	1.946
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701222 #58 Operator:
Run Time: 04/23/95 19:01:45
Comment: SDG:409527 ClientID:12-10SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.439	64930.	306.3	1.460	526.9	-1.093	12.04
SDev	.292	23.	.3	.007	1.1	.114	.14
%RSD	5.375	.0349	.1056	.4561	.2012	10.47	1.198
#1	-5.232	64940.	306.1	1.455	526.1	-1.012	11.94
#2	-5.646	64910.	306.6	1.465	527.6	-1.174	12.14
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	58.90	11.53	29550.	1680.	3416.	23.70	.3996
SDev	.22	.1	26.	10.	1.	.06	.3764
%RSD	.3656	.8489	.0894	.6134	.0303	.2452	94.18
#1	59.05	11.60	29530.	1687.	3415.	23.74	.1335
#2	58.75	11.47	29570.	1672.	3416.	23.66	.6658
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1243.	24.84	-9.273	63.59	65.95	44.00	2.182
SDev	78.	.27	.637	.29	.07	.06	.557
%RSD	6.297	1.078	6.874	.4624	.1029	.1344	25.51
#1	1298.	25.03	-9.724	63.80	65.90	44.05	1.788
#2	1188.	24.65	-8.822	63.38	66.00	43.96	2.575
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.057	.6563	54.79	38.62	-3.188	.0066	-8.386
SDev	.819	2.147	.92	.55	.106	1.280	4.150
%RSD	77.47	327.1	1.682	1.421	3.332	19320.	49.49
#1	-.4779	-.8615	54.14	39.01	-3.263	.9119	-5.452
#2	-1.636	2.174	55.44	38.23	-3.113	-.8986	-11.32
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.457	401.7	20.67	1.394
SDev	2.906	3.4	5.50	5.310
%RSD	38.97	.8461	26.59	380.8
#1	5.402	399.3	16.78	5.149
#2	9.512	404.1	24.55	L-2.361
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701225 #59 Operator:
Run Time: 04/23/95 19:07:08
Comment: SDG:409527 ClientID:12-11SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.951	45100.	321.9	1.364	1538.	-.9203	8.984
SDev	.262	33.	.2	.004	4.	.1097	.219
%RSD	3.768	.0734	.0660	.2619	.2432	11.92	2.440
#1	-6.766	45120.	321.7	1.366	1535.	-.8428	8.829
#2	-7.136	45080.	322.0	1.361	1541.	-.9978	9.139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	50.72	16.34	37990.	1199.	2699.	31.47	1.611
SDev	.27	.05	63.	14.	.	.20	.933
%RSD	.5351	.3009	.1667	1.166	.0039	.6381	57.89
#1	50.92	16.31	37940.	1209.	2699.	31.33	.9515
#2	50.53	16.38	38030.	1190.	2699.	31.62	2.271
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1462.	13.56	-8.065	67.53	121.3	76.77	.6585
SDev	84.	.59	5.633	.19	.0	.49	.0355
%RSD	5.754	4.339	69.84	.2882	.0003	.6442	5.397
#1	1522.	13.14	-4.082	67.39	121.3	77.12	.6333
#2	1403.	13.97	L-12.05	67.67	121.3	76.42	.6836
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7706	3.841	86.21	72.06	.0056	-1.159	-11.56
SDev	.8774	.114	1.27	.11	.1227	1.254	3.30
%RSD	113.9	2.979	1.478	.1462	2186.	108.2	28.50
#1	-1.391	3.760	87.11	72.14	-.0812	-2.046	-9.232
#2	-.1502	3.922	85.31	71.99	.0924	-.2719	-13.89
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.759	318.6	22.18	1.260
SDev	1.698	1.1	4.47	.348
%RSD	25.13	.3570	20.17	27.59
#1	5.558	317.8	19.01	1.506
#2	7.960	319.4	25.34	1.014
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701232 #60 Operator:
Run Time: 04/23/95 19:12:31
Comment: SDG:409527 ClientID:12-12SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.069	84910.	300.2	1.957	897.8	-.7773	14.26
SDev	.134	92.	1.2	.006	7.4	.1462	.09
%RSD	2.643	.1083	.3870	.3103	.8220	18.81	.6257
#1	-4.974	84980.	301.0	1.952	892.5	-.8808	14.32
#2	-5.164	84850.	299.3	1.961	903.0	-.6739	14.20
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	82.86	16.71	28320.	2898.	5253.	48.00	2.142
SDev	.84	.19	137.	25.	8.	.16	.955
%RSD	1.011	1.116	.4834	.8776	.1450	.3260	44.58
#1	82.27	16.84	28220.	2916.	5247.	47.89	2.817
#2	83.45	16.58	28410.	2880.	5258.	48.11	1.467
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1470.	27.09	-7.528	115.8	94.07	51.55	1.247
SDev	87.	.48	6.007	.3	.65	.99	.475
%RSD	5.915	1.782	79.81	.2368	.6923	1.924	38.08
#1	1532.	27.43	-3.280	115.6	93.61	52.25	.9109
#2	1409.	26.75	L-11.78	116.0	94.53	50.84	1.582
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.4609	-.7636	64.61	45.02	-2.419	.5163	-10.15
SDev	.7495	3.1509	3.01	.02	2.347	.0480	1.37
%RSD	162.6	412.7	4.664	.0382	97.00	9.294	13.51
#1	-.9908	-2.992	66.74	45.01	-4.079	.5502	-11.12
#2	.0691	1.464	62.48	45.04	-.7599	.4823	-9.184
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.938	648.5	20.35	1.732
SDev	.027	4.3	1.85	1.270
%RSD	.3898	.6584	9.098	73.35
#1	6.919	645.5	19.04	2.630
#2	6.957	651.5	21.66	.8336
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/23/95 19:17:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.95	1876.	1008.	981.2	49730.	975.2	1014.
SDev	.32	1.	.	.4	51.	.0	1.
%RSD	.3262	.0457	.0198	.0450	.1025	.0041	.0628
#1	99.18	1876.	1008.	981.5	49760.	975.2	1014.
#2	98.72	1877.	1008.	980.9	49690.	975.2	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	973.7	994.1	2072.	48980.	48070.	1000.	1003.
SDev	1	.4	1.	29.	13.	.	1.
%RSD	.1014	.0387	.0495	.0601	.0272	.0105	.1292
#1	974.4	993.8	2072.	48960.	48060.	1000.	1002.
#2	973.0	994.3	2073.	49000.	48070.	1000.	1004.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48440.	985.0	1049.	990.5	2147.	1023.	1013.
SDev	47.	1.7	1.	.7	2.	3.	1.
%RSD	.0979	.1731	.1309	.0691	.0851	.2806	.1411
#1	48480.	986.2	1048.	990.0	2149.	1025.	1012.
#2	48410.	983.8	1050.	991.0	2146.	1021.	1014.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	999.4	1013.	1035.	1018.	1007.	995.4	1006.
SDev	2.0	3.	1.	4.	5.	.6	1.
%RSD	.1954	.3325	.0559	.3947	.4629	.0603	.0646
#1	998.0	1015.	1036.	1020.	1004.	995.0	1006.
#2	1001.	1011.	1035.	1015.	1011.	995.9	1007.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1017.	998.9	1028.	1049.
SDev	2.	1.3	5.	1.
%RSD	.1789	.1342	.4548	.1132
#1	1015.	997.9	1032.	1048.
#2	1018.	999.8	1025.	1050.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/23/95 19:23:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1292	-4.771	.1411	.1560	10.63	-.0033	.3142
SDev	.0548	1.878	.0225	.0002	.32	.2303	.0193
%RSD	42.43	39.36	15.92	.1002	3.026	7029.	6.148
#1	-.0904	-6.098	.1570	.1559	10.86	.1596	.3278
#2	-.1680	-3.443	.1252	.1562	10.41	-.1661	.3005
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5564	.4301	6.879	13.17	7.113	.1746	.4054
SDev	.1612	.2158	1.376	6.23	1.270	.0319	.3194
%RSD	28.97	50.17	20.00	47.32	17.85	18.30	78.78
#1	.6703	.5827	7.852	17.58	8.011	.1520	.6312
#2	.4424	.2775	5.906	8.766	6.215	.1972	.1796
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	34.80	.2791	.5918	.4475	-.0648	-.0107	.2448
SDev	81.76	.0474	1.804	.0665	.0003	.2949	3.418
%RSD	234.9	16.98	304.8	14.85	.4497	2758.	1396.
#1	92.62	.3126	-.6835	.4005	-.0646	-.2192	2.662
#2	-23.01	.2456	1.867	.4945	-.0650	.1979	-2.172
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.623	1.118	.1202	-.0767	.1652	2.351	4.341
SDev	.281	4.634	1.763	1.3222	.3414	.251	3.807
%RSD	17.30	414.6	1466.	1725.	206.7	10.66	87.70
#1	1.822	4.395	1.367	-1.012	.4066	2.528	7.033
#2	1.425	-2.159	-1.126	.8583	-.0762	2.174	1.649
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.801	3.305	-2.167	.0088
SDev	3.224	2.063	3.399	1.079
%RSD	179.0	62.43	156.9	12210.
#1	.4788	4.764	.2366	-.7540
#2	-4.080	1.846	-4.571	.7717
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: 701235 #63 Operator:
Run Time: 04/23/95 19:28:41
Comment: SDG:409527 ClientID:12-12SBD1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.372	56070.	255.3	1.675	1001.	-.7130	11.64
SDev	.536	128.	.5	.011	5.	.0856	.14
%RSD	15.89	.2288	.2068	.6313	.5322	12.00	1.209
#1	-2.993	56160.	255.7	1.682	997.5	-.7735	11.54
#2	-3.751	55980.	254.9	1.667	1005.	-.6525	11.74
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	54.77	13.10	17780.	2052.	3657.	36.87	1.691
SDev	.63	.16	31.	30.	.	.07	.118
%RSD	1.147	1.217	.1744	1.484	.0022	.1937	6.995
#1	55.21	12.98	17760.	2073.	3657.	36.82	1.774
#2	54.32	13.21	17810.	2030.	3657.	36.92	1.607
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1584.	20.12	-2.937	84.02	77.30	50.82	1.648
SDev	1.	.70	2.213	.36	.02	.55	4.135
%RSD	.0917	3.460	75.34	.4239	.0248	1.091	250.9
#1	1585.	20.61	-1.372	83.76	77.29	50.42	-1.276
#2	1583.	19.63	-4.501	84.27	77.31	51.21	4.572
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.435	-2.205	60.32	46.07	-.4199	2.361	-2.821
SDev	.804	.179	.24	.71	1.0772	.668	2.138
%RSD	56.02	8.137	.3930	1.548	256.5	28.28	75.78
#1	2.004	-2.332	60.15	45.57	.3418	2.833	-1.310
#2	.8667	-2.078	60.48	46.58	-1.182	1.889	-4.333
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.879	616.5	19.35	.8159
SDev	7.267	3.6	.05	1.390
%RSD	187.3	.5826	.2783	170.3
#1	-1.260	614.0	19.39	1.799
#2	9.018	619.1	19.32	L-.1669
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701238 #64 Operator:
Run Time: 04/23/95 19:34:04
Comment: SDG:409527 ClientID:12-13SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.721	42190.	335.9	1.583	1557.	-1.098	13.65
SDev	.396	27.	1.1	.016	14.	.029	.17
%RSD	10.64	.0631	.3256	.9988	.9010	2.663	1.230
#1	-3.441	42210.	336.6	1.572	1547.	-1.077	13.53
#2	-4.001	42170.	335.1	1.595	1567.	-1.119	13.77
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.20	11.15	19330.	1640.	4216.	49.70	1.139
SDev	.01	.06	82.	23.	11.	.32	.049
%RSD	.0205	.5415	.4257	1.432	.2708	.6350	4.343
#1	56.19	11.19	19270.	1656.	4208.	49.48	1.174
#2	56.21	11.11	19390.	1623.	4224.	49.92	1.104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1165.	22.87	L-10.76	84.35	67.81	52.88	1.856
SDev	61.	.36	3.64	.30	1.00	.09	2.332
%RSD	5.261	1.587	33.82	.3593	1.479	.1640	125.7
#1	1208.	23.13	L-13.34	84.14	67.10	52.82	3.504
#2	1122.	22.62	-8.190	84.57	68.52	52.95	.2068
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0030	4.842	63.73	47.47	-1.722	.8547	-7.668
SDev	.5207	.886	1.58	.92	1.251	.1562	1.371
%RSD	17230.	18.30	2.477	1.935	72.61	18.28	17.87
#1	-.3712	4.215	64.85	46.82	-2.607	.7442	-8.637
#2	.3651	5.468	62.62	48.12	-.8379	.9652	-6.699
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.610	629.6	21.22	L-.3748
SDev	4.180	2.1	1.63	1.6130
%RSD	63.24	.3273	7.685	430.4
#1	9.565	628.1	20.07	.7658
#2	3.654	631.0	22.38	L-1.515
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701251 #65 Operator:
Run Time: 04/23/95 19:39:27
Comment: SDG:409527 ClientID:12-07SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-12.86	88810.	303.4	1.453	3374.	-.2519	10.20
SDev	.21	23.	1.1	.001	28.	.1101	.08
%RSD	1.611	.0253	.3770	.0784	.8352	43.69	.7843
#1	L-12.71	88830.	304.2	1.454	3354.	-.1741	10.14
#2	L-13.00	88790.	302.6	1.452	3393.	-.3297	10.25
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	93.37	17.79	71930.	2015.	3658.	75.44	2.140
SDev	.43	.09	292.	12.	7.	.22	.249
%RSD	.4649	.5095	.4062	.6172	.1799	.2860	11.65
#1	93.07	17.86	71720.	2024.	3654.	75.29	1.964
#2	93.68	17.73	72130.	2006.	3663.	75.60	2.316
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1405.	20.25	-5.995	137.3	93.71	68.19	7.940
SDev	4.	.48	5.163	.5	.16	.30	3.167
%RSD	.2857	2.387	86.13	.3529	.1759	.4409	39.89
#1	1408.	19.91	-2.344	137.0	93.59	67.98	5.700
#2	1403.	20.59	-9.645	137.7	93.82	68.40	10.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5970	10.47	79.78	62.40	-2.099	.1523	-4.157
SDev	.3264	1.71	.32	.29	4.820	1.917	6.687
%RSD	54.67	16.31	.3959	.4696	229.6	1259.	160.8
#1	-.8278	9.263	79.56	62.20	-5.508	1.508	.5708
#2	-.3663	11.68	80.01	62.61	1.309	-1.203	-8.886
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13.98	581.8	21.10	1.685
SDev	8.09	4.0	2.37	.598
%RSD	57.85	.6791	11.24	35.51
#1	8.260	579.0	19.42	2.108
#2	19.70	584.6	22.77	1.262
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701276 #66 Operator:
Run Time: 04/23/95 19:44:50
Comment: SDG:409527 ClientID:12-04SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.260	72530.	959.0	3.094	5402.	-.5946	38.06
SDev	.311	58.	2.0	.010	21.	.2011	.23
%RSD	3.760	.0801	.2132	.3327	.3855	33.82	.6101
#1	-8.040	72570.	960.4	3.087	5387.	-.7368	37.90
#2	-8.480	72490.	957.5	3.101	5417.	-.4524	38.23
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	73.46	34.72	41570.	4038.	9702.	50.95	.9906
SDev	.20	.06	83.	15.	6.	.1	.4374
%RSD	.2730	.1706	.1998	.3706	.0606	.1943	44.16
#1	73.60	34.68	41510.	4049.	9697.	50.88	.6813
#2	73.32	34.76	41630.	4028.	9706.	51.02	1.300
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2012.	56.99	-9.861	91.69	142.7	80.19	3.830
SDev	59.	.08	1.848	.53	.1	.15	2.490
%RSD	2.950	.1419	18.74	.5809	.0630	.1846	65.03
#1	2054.	57.05	L-11.17	91.32	142.6	80.09	2.069
#2	1970.	56.94	-8.555	92.07	142.7	80.30	5.591
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5111	31.01	91.34	74.63	-1.998	.2307	-5.292
SDev	1.3241	.03	1.40	.92	1.994	.9898	.481
%RSD	259.1	.0881	1.534	1.235	99.78	429.0	9.086
#1	-1.447	30.99	92.33	73.97	-3.408	-.4691	-5.632
#2	.4252	31.03	90.35	75.28	-.5884	.9306	-4.952
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	8.383	388.5	17.68	L-.6113
SDev	3.494	2.6	2.86	.8919
%RSD	41.68	.6683	16.19	145.9
#1	5.913	386.6	15.65	.0193
#2	10.85	390.3	19.70	L-1.242
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701279 #67 Operator:
Run Time: 04/23/95 19:50:13
Comment: SDG:409527 ClientID:12-042B-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	L-10.26	98850.	351.0	2.055	376.6	-.3931	15.74
SDev	.45	39.	.4	.012	.3	.0284	.08
%RSD	4.392	.0394	.1088	.5700	.0676	7.237	.4956
#1	-9.944	98880.	350.7	2.064	376.8	-.3730	15.80
#2	L-10.58	98820.	351.3	2.047	376.4	-.4132	15.69
Errors	LC Low	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	94.22	30.37	56570.	3558.	6234.	47.90	2.606
SDev	.07	.05	70.	13.	1.	.02	.357
%RSD	.0761	.1611	.1246	.3703	.0210	.0352	13.71
#1	94.27	30.33	56520.	3568.	6235.	47.91	2.858
#2	94.17	30.40	56620.	3549.	6233.	47.89	2.353
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1739.	27.77	-6.704	151.7	100.1	58.88	-.3238
SDev	21.	.54	7.124	.1	.2	.44	1.8574
%RSD	1.208	1.948	106.3	.0614	.2317	.7400	573.6
#1	1754.	28.15	L-11.74	151.7	99.96	59.19	-1.637
#2	1724.	27.38	-1.667	151.6	100.3	58.58	.9896
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2476	5.872	71.24	52.71	-.6859	-.0293	-12.69
SDev	2.4819	2.539	2.58	.64	.9827	3.2305	.30
%RSD	1003.	43.25	3.624	1.206	143.3	11020.	2.391
#1	1.507	7.667	73.07	52.26	.0089	2.255	-12.48
#2	-2.003	4.076	69.42	53.16	-1.381	-2.314	-12.91
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.852	555.2	21.50	L-.3877
SDev	2.936	4.3	1.99	1.6694
%RSD	50.18	.7727	9.266	430.5
#1	3.775	552.2	20.09	.7927
#2	7.928	558.2	22.91	L-1.568
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701290 #68 Operator:
Run Time: 04/23/95 19:55:36
Comment: SDG:409527 ClientID:12-06SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-6.946	60750.	445.4	1.932	1621.	-.8692	16.51
SDev	.158	27.	.2	.007	8.	.1127	.04
%RSD	2.280	.0448	.0454	.3831	.4779	12.97	.2427
#1	-6.834	60770.	445.6	1.927	1615.	-.7895	16.54
#2	-7.058	60730.	445.3	1.938	1626.	-.9489	16.48
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	63.93	14.83	36470.	2532.	5604.	53.56	1.102
SDev	.29	.09	82.	12.	4.	.12	.733
%RSD	.4501	.5958	.2252	.4659	.0686	.2312	66.52
#1	64.13	14.89	36410.	2540.	5601.	53.47	.5838
#2	63.72	14.76	36530.	2524.	5607.	53.65	1.621
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1529.	31.50	-4.997	99.41	88.36	58.29	3.264
SDev	83.	.37	2.808	.09	.06	1.35	3.301
%RSD	5.413	1.167	56.19	.0901	.0686	2.317	101.1
#1	1587.	31.76	-3.012	99.47	88.41	57.33	.9294
#2	1470.	31.24	-6.982	99.34	88.32	59.24	5.598
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1152	16.51	69.80	52.54	-.9262	.2891	-12.61
SDev	.7438	1.35	1.76	2.90	.3119	1.271	.25
%RSD	645.8	8.171	2.523	5.527	33.67	439.5	1.964
#1	.4108	17.47	71.05	50.49	-1.147	1.188	-12.79
#2	-.6411	15.56	68.56	54.59	-.7056	-.6095	-12.44
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.19	611.9	17.37	L-.0687
SDev	4.83	.9	2.28	.9409
%RSD	43.13	.1527	13.12	1370.
#1	7.777	612.6	15.76	L-.7340
#2	14.60	611.3	18.99	.5966
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701300 #69 Operator:
Run Time: 04/23/95 20:00:59
Comment: SDG:409527 ClientID:12-03SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.601	79250.	610.6	2.476	2053.	-.5440	24.40
SDev	.317	76.	1.9	.033	14.	.0083	.53
%RSD	4.167	.0963	.3150	1.347	.6718	1.516	2.174
#1	-7.377	79310.	612.0	2.452	2044.	-.5499	24.03
#2	-7.825	79200.	609.3	2.499	2063.	-.5382	24.78
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	65.11	16.94	42150.	2689.	4850.	32.30	1.931
SDev	.13	.02	137.	30.	4.	.06	.032
%RSD	.1958	.1176	.3246	1.110	.0786	.1722	1.676
#1	65.20	16.96	42060.	2710.	4847.	32.26	1.954
#2	65.02	16.93	42250.	2668.	4852.	32.34	1.908
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1698.	37.10	-8.318	103.3	89.66	61.74	3.518
SDev	111.	1.22	1.833	.2	.53	1.12	.274
%RSD	6.522	3.280	22.03	.2215	.5887	1.816	7.800
#1	1777.	37.96	-9.614	103.1	89.29	62.53	3.712
#2	1620.	36.24	-7.022	103.5	90.04	60.94	3.324
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5623	5.945	74.43	55.40	-.6815	1.183	-9.063
SDev	1.550	3.694	1.37	1.0	1.4103	1.620	3.154
%RSD	275.7	62.13	1.835	1.803	206.9	137.0	34.80
#1	1.659	8.557	75.39	56.11	.3158	2.328	-6.832
#2	-.5339	3.333	73.46	54.69	-1.679	.0371	-11.29
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	9.798	445.5	14.61	1.859
SDev	1.163	1.8	2.80	3.196
%RSD	11.87	.4133	19.14	171.9
#1	8.976	444.1	16.59	4.119
#2	10.62	446.8	12.63	L-.4005
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701303 #70 Operator:
Run Time: 04/23/95 20:06:22
Comment: SDG:409527 ClientID:12-05SB-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.412	41680.	344.1	1.394	1626.	-.9506	11.39
SDev	.250	72.	1.4	.003	15.	.0379	.09
%RSD	10.35	.1717	.4208	.1945	.9373	3.986	.8314
#1	-2.235	41730.	345.2	1.392	1615.	-.9774	11.32
#2	-2.588	41630.	343.1	1.396	1637.	-.9238	11.45
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48.56	15.73	13780.	1531.	3322.	33.99	1.223
SDev	.03	.02	59.	21.	6.	.16	.691
%RSD	.0526	.1222	.4268	1.388	.1799	.4747	56.46
#1	48.54	15.74	13740.	1546.	3317.	33.88	1.711
#2	48.58	15.72	13820.	1516.	3326.	34.11	.7348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1449.	16.83	L-11.26	67.71	61.73	52.77	1.664
SDev	126.	.07	.02	.19	.47	1.36	3.181
%RSD	8.671	.4024	.1744	.2817	.7584	2.573	191.2
#1	1537.	16.88	L-11.28	67.57	61.40	51.81	-.5853
#2	1360.	16.79	L-11.25	67.84	62.06	53.73	3.914
Errors	LC Pass	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.6659	-1.269	61.94	48.19	-1.849	-.0759	-9.899
SDev	.2158	.930	1.30	2.69	.486	.0810	3.262
%RSD	32.41	73.27	2.107	5.576	26.27	106.8	32.95
#1	-.8185	-.6116	62.86	46.29	-2.192	-.1332	-12.21
#2	-.5133	-1.927	61.02	50.09	-1.505	-.0186	-7.593
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.437	551.9	17.26	L-1.076
SDev	3.141	4.6	.76	2.370
%RSD	42.24	.8423	4.411	220.2
#1	5.216	548.6	16.72	.5997
#2	9.658	555.2	17.80	L-2.751
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 700025 #71 Operator:
Run Time: 04/23/95 20:11:45
Comment: SDG:409391 ClientID:19-01SW-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0474	367.2	41.18	.0046	53610.	-.7811	-.1286
SDev	.1462	2.9	.07	.0134	248.	.0135	.0881
%RSD	308.6	.7851	.1704	293.4	.4627	1.731	68.52
#1	.0560	365.2	41.13	.0140	53790.	-.7906	-.0663
#2	-.1507	369.3	41.22	-.0049	53440.	-.7715	-.1909
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.582	4.247	414.8	424.1	2817.	27.95	.4551
SDev	.081	.530	4.1	3.3	5.	.11	.3084
%RSD	2.251	12.47	.9950	.7860	.1918	.3902	67.77
#1	3.639	3.873	417.7	426.5	2821.	28.03	.2370
#2	3.525	4.622	411.9	421.8	2813.	27.87	.6731
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6173.	1.280	-7.989	1.445	39.61	3.185	1.399
SDev	19.	.340	.834	.074	.08	.454	1.845
%RSD	.3045	26.56	10.44	5.128	.2099	14.25	131.8
#1	6186.	1.520	-7.399	1.393	39.67	3.506	.0947
#2	6160.	1.039	-8.579	1.498	39.55	2.864	2.703
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.3632	-2.452	6.513	1.523	1.030	-1.059	-2.980
SDev	.1488	.660	.357	.502	.652	.548	3.692
%RSD	40.96	26.91	5.484	32.98	63.24	51.76	123.9
#1	-.2580	-2.918	6.765	1.878	.5695	-.6717	-5.591
#2	-.4684	-1.985	6.260	1.167	1.491	-1.447	-.3700
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.585	21.85	L-6.920	.9956
SDev	.922	.25	1.260	1.466
%RSD	25.73	1.158	18.21	147.3
#1	2.933	21.67	L-6.029	2.033
#2	4.237	22.03	L-7.811	L-.0413
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 700029 #72 Operator:
Run Time: 04/23/95 20:17:08
Comment: SDG:409391 ClientID:19-01SW-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0517	403.7	44.98	-.0214	60780.	-1.220	-.1815
SDev	.0548	.0	.04	.010	318.	.025	.0210
%RSD	106.1	.0101	.0787	46.59	.5236	2.019	11.55
#1	-.0904	403.7	44.95	-.0143	60550.	-1.237	-.1963
#2	-.0129	403.7	45.00	-.0284	61000.	-1.202	-.1666
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8055	3.165	299.2	364.5	3069.	30.21	.3881
SDev	.4457	.020	6.8	1.6	1.	.24	.6047
%RSD	55.33	.6332	2.279	.4320	.0347	.7936	155.8
#1	.4904	3.179	294.4	363.3	3068.	30.04	L-.0395
#2	1.121	3.151	304.1	365.6	3069.	30.38	.8157
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6938.	-.7979	-7.131	1.379	30.02	2.626	.4073
SDev	23.	.3972	1.207	.214	.26	.361	1.944
%RSD	.3295	49.79	16.92	15.50	.8800	13.73	477.4
#1	6954.	-1.079	-6.278	1.228	29.83	2.881	1.782
#2	6922.	-.5170	-7.985	1.530	30.20	2.371	-.9676
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.6255	-3.503	8.132	-.1234	-1.357	-.2611	-7.659
SDev	.1807	.549	.576	.2529	2.201	.8279	1.283
%RSD	28.89	15.67	7.087	205.0	162.2	317.1	16.75
#1	-.4977	-3.115	8.540	.0555	.1997	-.8465	-8.566
#2	-.7533	-3.891	7.725	-.3023	-2.913	.3244	-6.751
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.434	9.655	L-9.139	2.719
SDev	3.556	2.338	2.344	.972
%RSD	80.20	24.22	25.65	35.76
#1	6.948	8.002	L-7.481	3.407
#2	1.919	11.31	L-10.80	2.032
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: CCV Operator:
Run Time: 04/23/95 20:22:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.27	1881.	1019.	975.5	48950.	968.8	1007.
SDev	.26	2.	1.	.8	105.	.0	1.
%RSD	.2603	.0918	.1189	.0840	.2150	.0002	.0764
#1	98.09	1882.	1020.	974.9	48880.	968.8	1007.
#2	98.45	1880.	1018.	976.1	49030.	968.8	1008.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	962.5	998.2	2043.	49310.	47830.	991.8	1000.
SDev	.9	1.3	7.	2.	35.	.9	.
%RSD	.0976	.1331	.3341	.0046	.0726	.0954	.0366
#1	961.8	997.3	2038.	49310.	47800.	991.1	1001.
#2	963.1	999.2	2048.	49310.	47850.	992.4	1000.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48580.	979.9	1047.	981.5	2124.	1016.	1017.
SDev	94.	.0	1.	.1	4.	2.	5.
%RSD	.1939	.0019	.0770	.0112	.1709	.2055	.4933
#1	48640.	979.9	1047.	981.4	2121.	1015.	1014.
#2	48510.	979.9	1046.	981.6	2127.	1018.	1021.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1012.	1027.	1011.	1008.	1000.	1012.
SDev	.	4.	.	3.	3.	1.	1.
%RSD	.0250	.4179	.0403	.3301	.2536	.0899	.1355
#1	1002.	1015.	1027.	1009.	1006.	1001.	1011.
#2	1003.	1009.	1027.	1013.	1010.	999.5	1013.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1020.	994.7	1027.	1051.
SDev	7.	1.7	6.	1.
%RSD	.6703	.1701	.5908	.1252
#1	1015.	993.5	1022.	1052.
#2	1025.	995.9	1031.	1050.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCB Operator:
Run Time: 04/23/95 20:27:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0086	-5.645	.1645	.1807	13.96	.2676	.4152
SDev	.1401	2.009	.0116	.0002	.54	.0074	.1052
%RSD	1626.	35.58	7.044	.1263	3.832	2.760	25.34
#1	.0904	-4.225	.1727	.1805	13.58	.2624	.3408
#2	-.1077	-7.066	.1563	.1809	14.34	.2728	.4896
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0143	.3260	2.514	12.69	7.965	.1365	.5835
SDev	.1586	.1667	6.178	3.84	.011	.0312	.2867
%RSD	1107.	51.15	245.8	30.25	.1331	22.89	49.13
#1	-.1265	.2081	-1.855	15.41	7.972	.1586	.7863
#2	.0978	.4439	6.882	9.979	7.957	.1144	.3808
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	123.4	.0119	.9701	.2505	.0593	-.1515	-1.454
SDev	6.8	.0467	.3189	.0704	.0001	.1050	2.063
%RSD	5.551	393.8	32.88	28.10	.2524	69.33	141.9
#1	128.2	.0449	1.196	.3002	.0594	-.2258	-2.912
#2	118.5	-.0212	.7446	.2007	.0592	-.0772	.0048
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7593	.8711	-.7943	.1688	2.948	-.3341	.2899
SDev	.5200	1.926	.2014	.0569	.360	.5999	.7804
%RSD	68.48	221.1	25.36	33.71	12.20	179.6	269.2
#1	1.127	-.4908	-.9367	.1286	3.203	.0901	-.2619
#2	.3917	2.233	-.6519	.2091	2.694	-.7583	.8417
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.325	1.198	-2.587	-1.113
SDev	2.703	.609	2.153	.581
%RSD	116.3	50.81	83.22	52.22
#1	-4.236	.7678	-1.065	-1.523
#2	-.4137	1.629	-4.110	-.7018
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: PLCSS701174 #22 Operator:
Run Time: 04/23/95 20:33:54
Comment: SDG:409527 ClientID:LCSS 1:2
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	90.42	1712.	28.16	89.39	690200.	215.7	771.0
SDev	.05	2.	.02	.14	493.	.6	.2
%RSD	.0606	.1127	.0631	.1530	.0714	.2768	.0294
#1	90.46	1711.	28.15	89.30	689800.	215.2	770.8
#2	90.38	1714.	28.17	89.49	690500.	216.1	771.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass
High	145.0	2120.	200.0	111.5		275.5	810.0
Low	77.50	1125.	.0000	82.50		178.5	625.0

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	494.7	33040.	110800.	803.1	537600.	1011.	260.9
SDev	.6	68.	70.	2.7	652.	1.	.5
%RSD	.1309	.2065	.0632	.3358	.1213	.0562	.1896
#1	495.1	32990.	110800.	805.0	537100.	1011.	260.5
#2	494.2	33090.	110900.	801.2	538100.	1011.	261.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	600.0	500000.	135400.	5000.	649500.	1195.	
Low	396.0	.0000	88850.	.0000	502000.	885.0	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1787.	302.6	198.3	317.0	1090.	1186.	207.7
SDev	40.	1.0	2.2	.1	.	2.	.4
%RSD	2.217	.3389	1.114	.0397	.0239	.1521	.2144
#1	1815.	303.4	196.8	316.9	1090.	1184.	208.0
#2	1759.	301.9	199.9	317.1	1089.	1187.	207.4
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5000.	363.0	267.5	399.5	1180.	1425.	297.0
Low	.0000	246.0	123.0	258.5	690.0	940.0	95.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1158.	5141.	1228.	1164.	1183.	1145.	209.7
SDev	1.	8.	.	2.	6.	1.	1.3
%RSD	.1184	.1642	.0388	.2118	.5253	.0915	.5994
#1	1157.	5135.	1228.	1163.	1179.	1146.	210.6
#2	1159.	5147.	1229.	1166.	1188.	1144.	208.8
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1470.	5994.					
Low	635.0	3175.					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	206.7	95.17	44.78	383.5
SDev	.0	2.11	6.99	3.9
%RSD	.0193	2.220	15.61	1.022
#1	206.7	93.67	49.73	380.7
#2	206.7	96.66	39.84	386.3
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High				
Low				

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Method: CLPSUE Sample Name: CRI Operator:
Run Time: 04/23/95 20:40:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	192.9	103100.	2035.	1909.	Q130800.	1919.	2009.
SDev	.2	57.	3.	1.	171.	1.	.
%RSD	.0789	.0556	.1711	.0277	.1310	.0383	.0050
#1	192.8	103200.	2032.	1909.	Q130900.	1920.	2009.
#2	193.0	103100.	2037.	1908.	Q130600.	1919.	2009.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	200.0	100000.	2000.	2000.	100000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1910.	2091.	49230.	104200.	Q135600.	1932.	1986.
SDev	3.	2.	42.	108.	189.	2.	2.
%RSD	.1514	.1093	.0854	.1033	.1395	.0829	.1161
#1	1912.	2089.	49260.	104300.	Q135800.	1933.	1988.
#2	1908.	2093.	49200.	104100.	Q135500.	1931.	1984.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	2000.	2000.	50000.	100000.	100000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	103900.	1955.	Q2137.	1933.	Q4080.	2066.	2063.
SDev	157.	1.	3.	4.	7.	1.	6.
%RSD	.1508	.0676	.1557	.1891	.1632	.0428	.3064
#1	104000.	1956.	Q2139.	1936.	Q4085.	2067.	2067.
#2	103800.	1954.	Q2135.	1931.	Q4075.	2066.	2059.
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass
Value	100000.	2000.	2000.	2000.	2000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2060.	2037.	2112.	2044.	2086.	2046.	2064.
SDev	1.	8.	5.	1.	6.	1.	22.
%RSD	.0639	.3964	.2283	.0530	.2760	.0441	1.054
#1	2060.	2043.	2116.	2043.	2090.	2046.	2079.
#2	2059.	2032.	2109.	2044.	2082.	2047.	2048.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	2000.	2000.					
Range	5.000	5.000					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2063.	1979.	2127.	2150.
SDev	1.	1.	1.	1.
%RSD	.0672	.0466	.4518	.0310
#1	2062.	1979.	2133.	2150.
#2	2064.	1980.	2120.	2149.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 04/23/95 20:46:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-36.86	542000.	-.3983	.1745	434600.	11.25	-.0232
SDev	.13	9.	.0121	.0123	3038.	.10	.0160
%RSD	.3470	.0016	3.039	7.047	.6990	.8934	69.09
#1	-36.76	542000.	-.4068	.1658	432500.	11.18	-.0119
#2	-36.95	542000.	-.3897	.1832	436800.	11.32	-.0345
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	19.33	-7.440	195300.	37.14	505600.	-86.57	.5126
SDev	.17	.046	761.	3.79	1573.	.15	1.082
%RSD	.8952	.6235	.3897	10.21	.3110	.1757	211.1
#1	19.20	-7.408	194800.	39.82	504500.	-86.46	1.278
#2	19.45	-7.473	195800.	34.46	506700.	-86.67	-.2527
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	20.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	394.2	-4.851	-10.51	-79.23	-1.424	5.166	4.906
SDev	4.4	.063	1.81	.29	.320	1.662	2.589
%RSD	1.105	1.300	17.26	.3622	22.50	32.17	52.78
#1	397.2	-4.807	-9.232	-79.03	-1.650	3.991	3.075
#2	391.1	-4.896	-11.80	-79.44	-1.197	6.341	6.736
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.482	-.8774	12.09	1.707	-11.41	.4761	10.02
SDev	1.580	1.6167	3.06	4.017	2.53	1.104	3.75
%RSD	45.37	184.3	25.26	235.3	22.21	231.8	37.38
#1	-4.599	.2658	14.25	-1.133	-13.20	-.3043	7.374
#2	-2.365	-2.021	9.933	4.547	-9.620	1.256	12.67
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.350	12.27	-2.767	5.744
SDev	2.011	2.72	13.426	.067
%RSD	85.59	22.16	485.2	1.174
#1	.9276	10.35	-12.26	5.697
#2	3.772	14.19	6.727	5.792
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 04/23/95 20:51:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	949.3	550800.	524.7	490.4	447300.	968.6	540.9
SDev	3.6	286.	1.1	.7	1874.	2.2	1.9
%RSD	.3747	.0520	.2107	.1473	.4190	.2222	.3450
#1	946.8	550600.	525.5	489.9	446000.	967.1	539.6
#2	951.8	551100.	523.9	491.0	448600.	970.1	542.2
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	504.0	538.6	199600.	23.14	518200.	414.7	1030.
SDev	1.8	.2	425.	.17	644.	1.0	2.
%RSD	.3496	.0331	.2130	.7337	.1243	.2461	.1898
#1	502.7	538.8	199300.	23.26	517800.	414.0	1029.
#2	505.2	538.5	199900.	23.02	518700.	415.4	1031.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-531.8	970.2	-8.534	416.0	1124.	5155.	.7029
SDev	44.8	1.3	.207	1.2	1.	6.	1.232
%RSD	8.415	.1367	2.421	.2965	.0947	.1075	175.3
#1	-500.2	969.3	-8.388	415.2	1123.	5151.	-.1686
#2	-563.5	971.2	-8.680	416.9	1125.	5159.	1.574
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-8.111	.5101	5326.	5070.	-15.40	-4.473	9.836
SDev	1.676	3.218	5.	6.	1.09	3.059	3.417
%RSD	20.66	630.9	.0897	.1168	7.110	68.39	34.74
#1	-9.296	2.786	5323.	5065.	-14.63	-6.636	7.419
#2	-6.926	-1.765	5330.	5074.	-16.17	-2.310	12.25
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.857	1035.	1059.	1133.
SDev	.142	4.	9.	1.
%RSD	3.675	.3389	.8588	.0461
#1	-3.958	1032.	1065.	1133.
#2	-3.757	1037.	1052.	1132.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 04/23/95 20:57:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.31	1937.	1006.	981.4	49570.	972.2	1012.
SDev	.09	15.	.	1.4	73.	1.7	1.
%RSD	.0929	.7741	.0346	.1442	.1470	.1708	.0496
#1	98.37	1926.	1006.	982.4	49620.	973.4	1012.
#2	98.25	1948.	1005.	980.4	49520.	971.1	1011.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	970.7	993.5	2098.	49060.	48530.	998.1	1004.
SDev	2.0	1.8	1.	44.	.	1.1	1.
%RSD	.2035	.1789	.4544	.0890	.0001	.1078	.1242
#1	972.1	992.2	2092.	49030.	48530.	998.8	1005.
#2	969.3	994.7	2105.	49090.	48530.	997.3	1003.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48440.	979.7	1048.	992.0	2146.	1022.	1020.
SDev	16.	1.1	6.	.6	2.	2.	6.
%RSD	.0329	.1117	.5581	.0577	.0973	.2210	.5720
#1	48450.	980.4	1044.	992.4	2147.	1024.	1025.
#2	48430.	978.9	1053.	991.6	2144.	1021.	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1003.	1018.	1033.	1017.	1012.	998.0	1018.
SDev	5.	1.	3.	2.	4.	6.4	15.
%RSD	.5463	.0650	.3326	.1644	.3506	.6454	1.494
#1	1007.	1018.	1036.	1018.	1015.	1003.	1028.
#2	998.9	1018.	1031.	1016.	1010.	993.4	1007.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1022.	1000.	1023.	1047.
SDev	1.	2.	9.	3.
%RSD	.1134	.2099	.8699	.2706
#1	1023.	998.8	1017.	1045.
#2	1021.	1002.	1029.	1049.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 04/23/95 21:02:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0086	-.5152	.1051	.2121	30.54	.2667	.2556
SDev	.2253	3.8984	.0056	.0204	2.02	.1196	.2397
%RSD	2616.	756.6	5.359	9.643	6.614	44.84	93.75
#1	.1680	-3.272	.1011	.1976	29.11	.1821	.0862
#2	-.1507	2.241	.1091	.2266	31.97	.3512	.4251
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0488	.8250	6.443	12.81	25.17	.1341	.8926
SDev	.0041	.0489	4.630	6.91	3.55	.0108	.5636
%RSD	8.366	5.931	71.85	53.98	14.09	8.057	63.14
#1	.0516	.8596	3.169	17.70	22.66	.1417	.4941
#2	.0459	.7904	9.716	7.919	27.68	.1264	1.291
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	88.46	.1144	-2.648	.3608	.1656	.2472	-1.976
SDev	120.4	.1411	4.745	.2110	.1719	.3865	.813
%RSD	136.1	123.3	179.2	58.50	103.8	156.4	41.16
#1	173.6	.0147	.7071	.2115	.2871	-.0261	-1.401
#2	3.338	.2142	-6.003	.5100	.0440	.5205	-2.551
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.645	1.473	-1.137	.9374	1.963	1.486	1.598
SDev	1.083	1.111	.526	.8424	1.643	.804	1.572
%RSD	65.84	75.41	46.32	89.86	83.71	54.09	98.42
#1	2.411	2.258	-.7643	.3418	3.124	2.055	2.709
#2	.8793	.6874	-1.509	1.533	.8010	.9178	.4858
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.761	2.095	2.743	-.3556
SDev	.434	1.403	2.228	2.2451
%RSD	11.55	66.95	81.22	631.3
#1	-3.454	1.103	4.318	1.232
#2	-4.068	3.087	1.168	-1.943
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: 700026 #75 Operator:
Run Time: 04/23/95 21:07:52
Comment: SDG:409391 ClientID:19-01SW-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47.32	2212.	2039.	45.17	55020.	46.93	483.4
SDev	.12	7.	5.	.29	469.	.27	2.4
%RSD	.2574	.3046	.2298	.6362	.8525	.5756	.5016
#1	47.24	2217.	2043.	44.96	54690.	46.74	481.7
#2	47.41	2207.	2036.	45.37	55350.	47.13	485.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	195.2	247.8	1351.	416.8	2838.	518.6	1.261
SDev	.9	1.3	10.	12.8	6.	2.7	.178
%RSD	.4538	.5313	.7538	3.076	.2121	.5177	14.14
#1	194.5	248.7	1344.	425.9	2834.	516.7	1.135
#2	195.8	246.8	1359.	407.7	2842.	520.5	1.387
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6550.	475.8	1946.	490.0	547.3	481.5	1707.
SDev	74.	1	1.	.8	1.6	.6	7.
%RSD	1.123	.2035	.0503	.1566	.2968	.1184	.4212
#1	6602.	475.1	1946.	489.5	546.2	481.1	1712.
#2	6498.	476.5	1947.	490.6	548.5	481.9	1702.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	474.6	1857.	491.8	476.4	474.3	474.8	1714.
SDev	1.7	9.	.2	1	.9	2.1	2.
%RSD	.3629	.4579	.0471	.2037	.1939	.4472	.1091
#1	473.4	1863.	491.9	475.7	473.7	473.3	1715.
#2	475.8	1851.	491.6	477.1	475.0	476.3	1712.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1703.	11.39	L-5.937	L-.0891
SDev	1.	1.28	3.162	1.0139
%RSD	.5779	11.27	53.26	1138.
#1	1710.	10.48	L-3.701	.6279
#2	1696.	12.30	L-8.173	L-.8061
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 700027 #76 Operator:
Run Time: 04/23/95 21:13:15
Comment: SDG:409391 ClientID:19-01SW-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	46.99	2116.	2020.	45.54	55840.	47.41	487.0
SDev	.06	3.	9.	.21	447.	.43	2.9
%RSD	.1296	.1546	.4231	.4617	.8012	.9107	.5885
#1	46.95	2119.	2026.	45.39	55520.	47.10	485.0
#2	47.03	2114.	2014.	45.69	56150.	47.71	489.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	195.7	244.5	1280.	385.7	2766.	520.8	.2811
SDev	.6	.2	5.	8.1	7.	2.1	.1336
%RSD	.2943	.0774	.4289	2.093	.2413	.4039	47.52
#1	195.2	244.6	1276.	391.5	2762.	519.3	.3755
#2	196.1	244.3	1284.	380.0	2771.	522.3	.1866
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6522.	478.1	1948.	493.4	554.5	483.7	1689.
SDev	85.	1.4	1.	1.3	2.1	1.6	.
%RSD	1.306	.2901	.0583	.2731	.3809	.3384	.0265
#1	6583.	477.1	1947.	492.4	553.0	482.6	1690.
#2	6462.	479.1	1949.	494.3	556.0	484.9	1689.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	475.1	1847.	494.1	478.6	476.2	474.5	1687.
SDev	.3	4.	.2	2.6	3.3	1.2	1.
%RSD	.0649	.2050	.0404	.5336	.6927	.2498	.5898
#1	474.8	1844.	494.2	476.8	473.9	475.3	1680.
#2	475.3	1849.	493.9	480.4	478.6	473.6	1694.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1690.	7.052	L-5.245	L-.3654
SDev	6.	3.413	.504	2.8041
%RSD	.3335	48.39	9.614	767.4
#1	1694.	4.639	L-5.602	1.617
#2	1687.	9.466	L-4.889	L-2.348
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: SDI700025 #77 Operator:
Run Time: 04/23/95 21:18:38
Comment: SDG:409391 ClientID:19-01SW-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0775	260.2	10.95	.0393	14020.	-.2079	.2479
SDev	.0061	.7	.01	.0049	21.	.0198	.0773
%RSD	7.857	.2612	.0627	12.38	.1484	9.521	31.20
#1	-.0818	260.7	10.95	.0428	14030.	-.1939	.1932
#2	-.0732	259.7	10.96	.0359	14000.	-.2218	.3026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.197	1.474	115.3	186.4	733.3	7.572	.1154
SDev	.076	.098	.5	2.4	.4	.013	.0639
%RSD	6.358	6.681	.4250	1.281	.0521	.1660	55.37
#1	1.143	1.404	114.9	184.7	733.6	7.563	.0702
#2	1.250	1.544	115.6	188.1	733.1	7.581	.1606
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2127.	.5290	1.574	.7489	12.48	-.1501	1.049
SDev	24.	.0020	.148	.1416	.29	.1696	1.115
%RSD	1.144	.3777	9.395	18.91	2.341	112.9	106.4
#1	2110.	.5276	1.678	.8490	12.68	-.0302	.2599
#2	2144.	.5305	1.469	.6488	12.27	-.2700	1.837
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1650	2.547	-.5537	.0507	-.1772	.3353	-1.180
SDev	.1250	1.731	.8744	.1823	1.4583	.5407	4.882
%RSD	75.73	67.96	157.9	359.4	823.2	161.3	413.8
#1	.2534	1.323	.0646	-.0782	.8540	-.0471	-4.632
#2	.0766	3.771	-1.172	.1796	-1.208	.7176	2.272
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.161	8.491	L-3.524	.4244
SDev	.765	1.005	2.794	.3946
%RSD	35.40	11.84	79.28	92.97
#1	2.702	9.202	L-1.548	.1454
#2	1.620	7.780	L-5.499	.7035
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 700073 #78 Operator:
Run Time: 04/23/95 21:24:01
Comment: SDG:409391 ClientID:19-01SWD1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0431	364.4	44.73	.0203	60860.	-.6907	.0051
SDev	.4568	2.8	.04	.0073	26.	.2064	.1896
%RSD	1061.	.7773	.0784	36.13	.0434	29.88	3713.
#1	.3661	362.4	44.71	.0151	60840.	-.5448	.1392
#2	-.2799	366.4	44.76	.0255	60880.	-.8367	-.1290
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.039	4.415	287.1	478.4	3315.	22.01	.6648
SDev	.422	.039	.4	21.0	3.	.02	.2331
%RSD	13.88	.8938	.1222	4.381	.0783	.1030	35.07
#1	3.338	4.387	287.3	493.3	3317.	21.99	.8296
#2	2.741	4.443	286.8	463.6	3314.	22.03	.4999
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7096.	1.469	-3.929	1.442	19.58	3.178	5.369
SDev	177.	.496	4.395	.138	.21	.061	.607
%RSD	2.490	33.80	111.9	9.551	1.070	1.923	11.31
#1	7221.	1.820	-.8211	1.539	19.72	3.134	5.798
#2	6971.	1.118	-7.037	1.344	19.43	3.221	4.940
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.053	-.3784	8.767	.3864	-1.683	-.7383	-5.163
SDev	.580	2.9428	1.086	.6337	1.870	.0643	.391
%RSD	55.09	777.7	12.38	164.0	111.1	8.714	7.572
#1	-.6426	1.702	9.535	-.0617	-.3610	-.7838	-5.439
#2	-1.463	-2.459	8.000	.8345	-3.006	-.6928	-4.886
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	10.63	14.52	L-5.874	2.201
SDev	1.11	.75	1.778	1.546
%RSD	10.40	5.193	30.28	70.23
#1	11.41	13.99	L-7.131	3.294
#2	9.845	15.05	L-4.616	1.108
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701206 #79 Operator:
Run Time: 04/23/95 21:29:24
Comment: SDG:409424 ClientID:12-02SD-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1680	2162.	19.19	.1447	389.4	-1.227	.3998
SDev	.4385	.	.03	.0236	1	.106	.1366
%RSD	261.1	.0175	.1614	16.27	.2516	8.606	34.16
#1	.1421	2162.	19.21	.1281	390.1	-1.302	.4964
#2	-.4780	2162.	19.17	.1614	388.7	-1.152	.3032
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.743	1.436	2886.	209.3	118.7	12.30	.4543
SDev	.504	.039	9.	12.7	.9	.04	.8374
%RSD	10.62	2.726	.3089	6.048	.7364	.3217	184.3
#1	5.100	1.464	2880.	218.3	119.4	12.28	L-.1379
#2	4.387	1.409	2892.	200.4	118.1	12.33	1.046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1424.	-.1222	-8.534	4.908	11.60	9.222	1.066
SDev	9.	.0036	.858	.480	.13	.711	.966
%RSD	.6144	2.970	10.05	9.783	1.080	7.713	90.60
#1	1418.	-.1248	-7.928	4.569	11.69	9.725	.3831
#2	1430.	-.1196	-9.141	5.248	11.51	8.719	1.749
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1808	-2.294	16.60	5.536	.5006	.0205	-10.16
SDev	.2916	.001	2.38	.119	.4491	.2130	.48
%RSD	161.3	.0541	14.31	2.158	89.72	1040.	4.723
#1	.3869	-2.295	18.28	5.452	.8181	.1710	-9.821
#2	-.0254	-2.293	14.92	5.620	.1830	-.1301	-10.50
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6.670	43.19	4.190	.7705
SDev	1.687	1.94	1.246	1.913
%RSD	25.30	4.494	29.73	248.3
#1	5.477	41.82	3.309	2.123
#2	7.863	44.57	5.071	L-.5823
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701202 #80 Operator:
Run Time: 04/23/95 21:34:47
Comment: SDG:409424 ClientID:12-02SD-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1292	1509.	16.84	.1100	500.3	-1.273	.5053
SDev	.4446	.	.09	.0173	2.7	.214	.0500
%RSD	344.1	.0017	.5055	15.72	.5456	16.83	9.892
#1	.1852	1509.	16.90	.0978	498.4	-1.122	.5406
#2	-.4436	1509.	16.78	.1223	502.3	-1.425	.4700
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.084	1.573	2832.	201.2	100.1	12.81	.6444
SDev	.222	.040	1.	12.5	1	.09	.0999
%RSD	5.430	2.519	.3478	6.204	.9520	.6826	15.50
#1	4.241	1.601	2825.	210.0	99.40	12.75	.7150
#2	3.927	1.545	2839.	192.4	100.7	12.87	.5737
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1519.	-.3742	-9.260	4.363	13.56	6.683	-.7154
SDev	18.	.0453	3.525	.01	.23	.018	.2707
%RSD	1.214	12.12	38.07	.2285	1.667	.2676	37.85
#1	1532.	-.3422	-6.767	4.370	13.40	6.696	-.9068
#2	1506.	-.4063	L-11.75	4.356	13.72	6.671	-.5239
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1272	-1.357	14.59	2.734	-.5414	.0790	-12.05
SDev	.3035	1.084	2.78	1.361	1.9374	1.422	1.17
%RSD	238.7	79.90	19.05	49.79	357.9	1800.	9.694
#1	.0874	-2.124	16.56	1.772	-1.911	1.085	-12.88
#2	-.3418	-.5903	12.63	3.696	.8286	-.9267	-11.22
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4.943	25.47	4.651	L-.4500
SDev	.177	1.75	2.835	.9221
%RSD	3.587	6.880	60.95	204.9
#1	5.068	24.23	2.647	.2020
#2	4.817	26.71	6.656	L-1.102
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701199 #81 Operator:
Run Time: 04/23/95 21:40:10
Comment: SDG:409424 ClientID:12-02SD-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	43.02	1255.	1857.	42.92	726.3	43.85	451.5
SDev	.45	2.	4.	.1	.6	.21	.3
%RSD	1.048	.1935	.2295	.2321	.0817	.4798	.0723
#1	43.34	1257.	1860.	42.85	725.8	44.00	451.2
#2	42.70	1253.	1854.	42.99	726.7	43.70	451.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	193.2	228.4	2851.	198.2	91.90	477.5	1.059
SDev	.6	.4	3.	4.9	.37	1.1	.422
%RSD	.3298	.1764	.0908	2.495	.3981	.2353	39.84
#1	192.8	228.7	2849.	201.7	91.64	476.7	.7609
#2	193.7	228.1	2853.	194.7	92.15	478.3	1.358
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1563.	451.4	1697.	466.3	503.5	447.1	1504.
SDev	17.	.5	7.	.5	.7	.0	5.
%RSD	1.114	.1133	.4337	.1001	.1313	.0067	.3221
#1	1550.	451.0	1692.	466.0	503.1	447.1	1507.
#2	1575.	451.8	1702.	466.7	504.0	447.1	1501.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	362.6	1680.	457.2	442.0	363.3	362.2	1498.
SDev	1.6	7.	1.2	.7	3.8	.5	8.
%RSD	.4435	.4429	.2662	.1476	1.058	.1357	.5083
#1	361.4	1685.	458.1	441.6	360.6	361.9	1503.
#2	363.7	1675.	456.4	442.5	366.1	362.5	1492.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1507.	20.53	L-3.111	L-1.953
SDev	3.	2.78	1.430	.192
%RSD	.2297	13.52	45.97	9.835
#1	1510.	18.57	L-4.122	L-2.089
#2	1505.	22.49	L-2.099	L-1.817
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701200 #82 Operator:
Run Time: 04/23/95 21:45:33
Comment: SDG:409424 ClientID:12-02SD-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	42.66	1547.	1798.	41.67	419.6	42.38	439.7
SDev	.39	2.	.	.07	1.1	.06	.1
%RSD	.9138	.1028	.0170	.1792	.2645	.1409	.0321
#1	42.93	1548.	1798.	41.62	418.9	42.42	439.6
#2	42.38	1545.	1797.	41.72	420.4	42.34	439.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	181.5	222.8	2388.	180.5	98.67	463.4	L-.0192
SDev	.3	.3	1.	14.8	1.77	.5	.2432
%RSD	.1868	.1366	.3998	8.201	1.796	.1056	1266.
#1	181.7	222.5	2381.	191.0	97.42	463.1	.1528
#2	181.2	223.0	2395.	170.1	99.92	463.8	L-.1912
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1545.	437.3	1662.	454.4	487.9	433.6	1466.
SDev	96.	1.3	.	.9	.2	1.3	8.
%RSD	6.186	.2914	.0141	.1931	.0349	.2984	.5462
#1	1613.	436.4	1662.	453.8	488.0	434.5	1471.
#2	1478.	438.2	1662.	455.0	487.8	432.7	1460.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	369.8	1643.	442.2	429.3	372.1	368.7	1464.
SDev	2.1	4.	2.1	.9	2.4	4.3	5.
%RSD	.5643	.2469	.4659	.2123	.6543	1.178	.3469
#1	371.3	1646.	443.6	429.9	370.4	371.7	1468.
#2	368.3	1640.	440.7	428.7	373.9	365.6	1461.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1466.	20.97	3.696	L-.7542
SDev	9.	2.48	3.454	1.8024
%RSD	.6456	11.83	93.45	239.0
#1	1473.	19.22	1.254	.5203
#2	1460.	22.72	6.138	L-2.029
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: SDI701206 #83 Operator:
Run Time: 04/23/95 21:50:56
Comment: SDG:409424 ClientID:12-02SD-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0991	656.3	5.415	.0560	126.1	-.4747	.4152
SDev	.0122	3.7	.025	.0209	1.6	.1845	.0379
%RSD	12.30	.5580	.4673	37.41	1.293	38.87	9.136
#1	-.1077	653.7	5.397	.0708	127.2	-.6052	.3884
#2	-.0904	658.9	5.433	.0412	124.9	-.3443	.4421
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.048	1.596	740.0	133.7	39.57	3.273	.5596
SDev	.082	.079	4.2	2.1	.46	.000	.3021
%RSD	7.825	4.937	.5638	1.538	1.156	.0056	53.99
#1	1.106	1.540	742.9	132.2	39.24	3.273	.7733
#2	.9904	1.652	737.0	135.1	39.89	3.273	.3460
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	896.9	1.162	-3.061	1.754	4.300	2.604	-1.525
SDev	49.3	.381	1.555	.004	.269	.217	.791
%RSD	5.502	32.77	50.78	.2298	6.263	8.347	51.88
#1	931.8	.8928	-4.161	1.757	4.491	2.450	-.9658
#2	862.0	1.431	-1.962	1.751	4.110	2.758	-2.085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.7223	-.0933	3.565	2.124	.4005	-1.283	-4.626
SDev	.1717	2.6987	.168	.242	1.343	.928	3.922
%RSD	23.77	2892.	4.708	11.40	335.4	72.31	84.79
#1	-.8436	-2.002	3.447	1.952	1.350	-1.940	-7.399
#2	-.6009	1.815	3.684	2.295	-.5493	-.6272	-1.853
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0218	15.80	3.295	L-.1904
SDev	3.145	.27	3.076	1.2321
%RSD	14450.	1.695	93.34	647.0
#1	2.245	15.99	5.470	L-1.062
#2	-2.202	15.61	1.120	.6808
Errors	NOCHECK	LC Pass	LC Pass	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701198 #84 Operator:
Run Time: 04/23/95 21:56:19
Comment: SDG:409424 ClientID:12-01SDD1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.2498	1102.	11.53	.0777	1074.	-1.216	.1477
SDev	.3593	2.	.09	.0107	1.	.199	.0001
%RSD	143.9	.1791	.8085	13.80	.9094	16.41	.0709
#1	.5039	1103.	11.60	.0701	1067.	-1.074	.1477
#2	-.0043	1100.	11.47	.0852	1081.	-1.357	.1478
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	21.02	4.924	1070.	209.9	93.90	6.007	.1436
SDev	.02	.002	8.	14.2	1.20	.042	1.472
%RSD	.0878	.0321	.7654	6.755	1.278	.6933	1025.
#1	21.03	4.925	1064.	219.9	93.05	5.978	1.184
#2	21.01	4.923	1076.	199.8	94.74	6.037	L-.8973
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1493.	2.440	-6.533	2.519	156.7	76.83	-.4719
SDev	111.	.297	4.130	.218	1.1	1.60	1.2509
%RSD	7.419	12.15	63.22	8.657	.7194	2.077	265.1
#1	1572.	2.650	-3.613	2.365	155.9	75.70	.4126
#2	1415.	2.230	-9.454	2.673	157.5	77.96	-1.356
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0855	-2.657	85.32	72.59	.4896	-.3733	-11.69
SDev	.9675	1.289	1.11	2.95	2.107	.3987	3.82
%RSD	1131.	48.52	1.302	4.061	430.3	106.8	32.69
#1	-.7696	-1.746	86.10	70.51	-1.000	-.6552	-14.39
#2	.5985	-3.569	84.53	74.67	1.979	-.0914	-8.989
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.129	34.37	3.859	1.473
SDev	3.783	3.65	.158	1.186
%RSD	73.76	10.61	4.094	80.54
#1	7.804	31.79	3.971	2.311
#2	2.454	36.95	3.747	.6339
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: CCVA Operator:
Run Time: 04/23/95 22:01:43
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	98.27	1889.	1012.	979.9	49430.	972.3	1011.
SDev	.15	7.	2.	.4	64.	.3	1.
%RSD	.1549	.3526	.1596	.0407	.1290	.0296	.1344
#1	98.16	1894.	1013.	979.6	49390.	972.1	1010.
#2	98.37	1885.	1011.	980.2	49480.	972.5	1012.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	968.9	995.9	2069.	49080.	48250.	996.4	996.1
SDev	.7	.5	.	36.	9.	.3	2.4
%RSD	.0717	.0540	.0228	.0739	.0179	.0351	.2376
#1	968.4	995.6	2069.	49100.	48260.	996.2	997.8
#2	969.4	996.3	2070.	49050.	48250.	996.7	994.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48450.	983.1	1044.	987.6	2137.	1021.	1020.
SDev	18.	.3	7.	1.2	1.	6.	3.
%RSD	.0376	.0353	.6857	.1170	.0471	.6295	.3361
#1	48440.	982.8	1050.	986.8	2137.	1026.	1022.
#2	48460.	983.3	1039.	988.4	2138.	1017.	1018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1001.	1017.	1032.	1016.	1013.	995.1	1016.
SDev	2.	13.	2.	9.	.	2.3	4.
%RSD	.1510	1.273	.1882	.8534	.0117	.2336	.4317
#1	999.8	1026.	1034.	1022.	1013.	993.4	1013.
#2	1002.	1008.	1031.	1010.	1013.	996.7	1019.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1022.	999.9	1029.	1046.
SDev	7.	3.0	4.	1.
%RSD	.7170	.2963	.4274	.0679
#1	1027.	997.9	1033.	1045.
#2	1017.	1002.	1026.	1046.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

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Method: CLPSUE Sample Name: CCBA Operator:
Run Time: 04/23/95 22:07:07
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0474	-18.29	.2073	.2316	17.97	.2108	.5014
SDev	.2193	2.44	.0038	.0175	.79	.0222	.1958
%RSD	462.8	13.34	1.850	7.543	4.387	10.54	39.05
#1	.2024	-16.56	.2100	.2193	17.41	.1951	.3630
#2	-.1077	-20.01	.2046	.2440	18.53	.2265	.6399
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3955	.5897	7.378	16.79	12.87	.1793	.5552
SDev	.1575	.0884	.669	4.19	.96	.0514	.0782
%RSD	39.82	15.00	9.073	24.97	7.493	28.64	14.09
#1	.5068	.5271	6.905	19.76	12.18	.1430	.6106
#2	.2841	.6522	7.852	13.83	13.55	.2157	.4999
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	136.1	.5959	-1.346	.3574	.1119	-1.002	.2919
SDev	38.9	.0920	1.654	.2081	.0863	.309	1.829
%RSD	28.60	15.44	122.9	58.22	77.13	30.81	626.8
#1	163.6	.6610	-.1766	.2103	.1730	-1.220	1.586
#2	108.5	.5309	-2.515	.5046	.0509	-.7838	-1.002
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.651	2.494	-1.301	-.8537	1.208	1.872	3.654
SDev	.230	3.534	.418	.2541	.011	.339	2.018
%RSD	13.93	141.7	32.15	29.76	.8931	18.14	55.22
#1	1.489	4.993	-1.596	-1.033	1.201	1.632	5.081
#2	1.814	-.0051	-1.005	-.6740	1.216	2.112	2.228
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.387	2.206	-2.889	.0613
SDev	1.736	.726	.295	2.955
%RSD	125.1	32.91	10.21	4817.
#1	-.1602	2.719	-2.680	2.151
#2	-2.615	1.693	-3.097	-2.028
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: 701209 #87 Operator:
Run Time: 04/23/95 22:12:31
Comment: SDG:409424 ClientID:12-03SD-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.912	9166.	89.64	.8313	572.9	-1.127	1.818
SDev	.652	25.	.31	.0127	4.6	.089	.175
%RSD	34.08	.2761	.3417	1.524	.7948	7.889	9.635
#1	-1.451	9184.	89.86	.8403	569.7	-1.064	1.695
#2	-2.373	9148.	89.43	.8223	576.1	-1.190	1.942
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14.42	9.791	11880.	403.0	515.4	8.431	1.482
SDev	.66	.186	46.	21.2	2.9	.084	1.153
%RSD	4.613	1.900	.3885	5.266	.5648	.9917	77.80
#1	14.89	9.923	11850.	418.0	513.3	8.372	2.297
#2	13.94	9.660	11910.	388.0	517.5	8.490	.6666
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1390.	2.306	-2.615	26.05	23.45	22.15	-.1884
SDev	129.	.584	2.485	.11	.11	.37	.5688
%RSD	9.291	25.33	95.05	.4374	.4623	1.674	301.9
#1	1481.	2.719	-.8574	25.97	23.53	21.89	.2138
#2	1299.	1.893	-4.372	26.13	23.37	22.41	-.5907
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.9766	-3.062	30.58	17.94	-1.478	-.7270	-15.17
SDev	.0942	2.939	1.12	1.12	.692	.4865	2.94
%RSD	9.641	96.00	3.678	6.231	46.80	66.91	19.41
#1	-.9101	-5.140	31.38	17.15	-1.967	-.3830	-13.09
#2	-1.043	-.9834	29.79	18.73	-.9888	-1.071	-17.25
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	7.289	101.9	2.308	.8702
SDev	.617	4.8	.158	1.069
%RSD	8.460	4.734	6.828	122.9
#1	6.853	98.45	2.197	.1141
#2	7.726	105.3	2.420	1.626
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701158 #88 Operator:
Run Time: 04/23/95 22:17:54
Comment: SDG:409383 ClientID:12-02SW-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1895	807.8	62.19	.1485	4257.	-.7576	.6112
SDev	.0183	2.4	.20	.0013	15.	.0023	.3187
%RSD	9.642	.3022	.3241	.8391	.3522	.2992	52.14
#1	-.2024	806.0	62.05	.1494	4268.	-.7560	.3858
#2	-.1766	809.5	62.34	.1476	4247.	-.7592	.8365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7648	.8404	1546.	262.7	885.5	17.45	.6501
SDev	.2868	.0494	2.	.6	2.9	.02	1.046
%RSD	37.50	5.877	.1206	.2198	.3275	.1154	161.0
#1	.9676	.8754	1547.	262.3	887.6	17.47	1.390
#2	.5619	.8055	1544.	263.1	883.5	17.44	L-.0899
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5280.	.8064	-7.439	1.772	16.34	2.961	-.1956
SDev	34.	.1449	5.969	.132	.23	.683	.4602
%RSD	.6486	17.97	80.23	7.439	1.421	23.07	235.3
#1	5305.	.9089	-3.219	1.865	16.18	3.444	-.5210
#2	5256.	.7039	L-11.66	1.678	16.51	2.478	.1298
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.8931	-.8018	5.879	1.503	-.8755	-.9024	-6.218
SDev	.4021	.9741	.319	1.183	.2993	.7523	4.524
%RSD	45.03	121.5	5.427	78.71	34.18	83.36	72.75
#1	-.6087	-1.491	5.653	2.340	-1.087	-.3705	-3.019
#2	-1.177	-.1130	6.104	.6666	-.6639	-1.434	-9.417
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.811	11.29	L-6.721	.3304
SDev	2.948	.09	.487	2.996
%RSD	104.9	.8274	7.244	906.8
#1	.7257	11.22	L-7.065	L-1.788
#2	4.895	11.36	L-6.376	2.449
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701154 #89 Operator:
Run Time: 04/23/95 22:23:17
Comment: SDG:409383 ClientID:12-02SW-1D 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1593	1235.	63.65	.1537	4282.	-.9938	.6911
SDev	.3167	2.	.30	.0069	43.	.0200	.3102
%RSD	198.8	.1689	.4753	4.522	.9998	2.016	44.89
#1	.3833	1237.	63.87	.1488	4252.	-.9797	.4718
#2	-.0646	1234.	63.44	.1586	4312.	-1.008	.9105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.368	.4653	1866.	292.6	914.7	18.30	.5650
SDev	.165	.0691	14.	12.2	3.8	.04	.5646
%RSD	12.06	14.85	.7391	4.152	.4113	.2121	99.94
#1	1.484	.5142	1856.	301.2	912.0	18.27	.9642
#2	1.251	.4165	1875.	284.1	917.4	18.33	.1657
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5522.	1.275	-9.220	2.071	7.869	3.949	-.7311
SDev	75.	.677	5.874	.265	.259	.211	.2803
%RSD	1.357	53.11	63.70	12.79	3.289	5.345	38.34
#1	5575.	1.753	L-13.37	1.884	7.686	4.098	-.5329
#2	5469.	.7960	-5.067	2.258	8.052	3.800	-.9293
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.5290	-.9414	8.857	1.498	-.3618	-.6131	-6.928
SDev	.2285	1.1459	.271	.181	.1512	.4181	.262
%RSD	43.20	121.7	3.060	12.09	41.79	68.20	3.784
#1	-.6906	-1.752	9.049	1.626	-.2549	-.9088	-7.113
#2	-.3674	-.1311	8.666	1.370	-.4688	-.3175	-6.742
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.362	10.25	L-3.318	.6652
SDev	.551	1.19	1.868	.7347
%RSD	23.33	11.59	56.28	110.4
#1	2.752	9.406	L-1.998	1.185
#2	1.972	11.09	L-4.639	.1457
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701151 #90 Operator:
Run Time: 04/23/95 22:28:41
Comment: SDG:409383 ClientID:12-02SW-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47.38	3536.	2018.	45.29	4322.	47.32	484.4
SDev	.35	.	3.	.07	17.	.06	1.1
%RSD	.7455	.0091	.1662	.1561	.4004	.1311	.2172
#1	47.63	3536.	2020.	45.24	4310.	47.28	483.6
#2	47.14	3537.	2015.	45.34	4335.	47.36	485.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	195.6	246.7	2994.	331.7	924.4	510.7	L-.1814
SDev	.4	.4	14.	19.3	2.4	1.2	.7421
%RSD	.1967	.1439	.4628	5.824	.2596	.2373	409.1
#1	195.9	246.9	2985.	345.4	922.7	509.9	.3433
#2	195.3	246.4	3004.	318.1	926.1	511.6	L-.7061
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5528.	475.3	1903.	494.6	543.5	476.7	1679.
SDev	84.	1.2	.	1.2	1.2	1.6	8.
%RSD	1.528	.2561	.0242	.2423	.2247	.3424	.4945
#1	5587.	476.1	1904.	493.7	542.7	475.5	1685.
#2	5468.	474.4	1903.	495.4	544.4	477.8	1673.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	463.1	1837.	484.6	472.8	465.9	461.7	1674.
SDev	2.1	6.	.9	2.9	.6	3.4	14.
%RSD	.4527	.3386	.1833	.6114	.1264	.7445	.8088
#1	464.6	1833.	485.2	470.7	465.5	464.1	1684.
#2	461.6	1842.	483.9	474.8	466.3	459.2	1665.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1682.	51.10	L-12.46	L-1.462
SDev	6.	2.36	.93	.556
%RSD	.3383	4.619	7.447	38.03
#1	1686.	49.43	L-11.80	L-1.855
#2	1678.	52.77	L-13.11	L-1.069
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701152 #91 Operator:
Run Time: 04/23/95 22:34:04
Comment: SDG:409383 ClientID:12-02SW-1S 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	47.23	3757.	2032.	45.33	4539.	47.41	484.5
SDev	.10	2.	.	.05	3.	.06	.7
%RSD	.2192	.0415	.0109	.1201	.0695	.1228	.1420
#1	47.30	3758.	2032.	45.37	4541.	47.45	484.9
#2	47.15	3756.	2032.	45.29	4537.	47.37	484.0
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	196.0	246.3	3102.	345.1	966.8	512.1	.0031
SDev	.5	.0	1.	5.9	.3	.5	.0001
%RSD	.2390	.0041	.0432	1.721	.0281	.0935	3.637
#1	196.3	246.3	3103.	349.3	967.0	512.5	.0032
#2	195.7	246.3	3101.	340.9	966.6	511.8	.0030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5686.	475.7	1904.	497.0	531.4	476.5	1680.
SDev	21.	.9	3.	.9	.3	.9	2.
%RSD	.3767	.1857	.1764	.1797	.0527	.1836	.0899
#1	5701.	476.4	1902.	497.7	531.2	475.8	1681.
#2	5671.	475.1	1907.	496.4	531.6	477.1	1679.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	464.8	1848.	481.9	473.7	465.7	464.4	1675.
SDev	.6	2.	.4	1.5	1.6	1.8	6.
%RSD	.1392	.0874	.0876	.3214	.3506	.3845	.3556
#1	465.3	1847.	482.2	472.7	464.5	465.6	1671.
#2	464.3	1849.	481.6	474.8	466.8	463.1	1679.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1682.	43.05	L-8.775	L-.8987
SDev	5.	3.03	1.875	.6299
%RSD	.3114	7.026	21.37	70.09
#1	1686.	40.91	L-7.449	L-.4533
#2	1679.	45.19	L-10.10	L-1.344
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: SDI701158 #92 Operator:
Run Time: 04/23/95 22:39:27
Comment: SDG:409383 ClientID:12-02SW-1L 1:5
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1120	285.4	16.02	.0620	1117.	-.1804	.1484
SDev	.0548	1.3	.03	.0014	2.	.0538	.0858
%RSD	48.95	.4607	.2039	2.332	.2174	29.79	57.83
#1	-.1507	284.4	16.00	.0610	1119.	-.2185	.2091
#2	-.0732	286.3	16.05	.0630	1115.	-.1424	.0877
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.5405	.5306	398.6	140.6	231.0	4.544	.3063
SDev	.1566	.0881	.2	2.1	.2	.007	.5219
%RSD	28.97	16.59	.0400	1.480	.0805	.1530	170.4
#1	.4297	.5929	398.5	142.0	230.9	4.549	L-.0627
#2	.6512	.4684	398.7	139.1	231.2	4.539	.6753
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1928.	.3598	-1.204	.6779	5.379	.1681	-2.005
SDev	33.	.2829	.094	.1384	.184	.4650	1.613
%RSD	1.690	78.63	7.805	20.42	3.413	276.6	80.44
#1	1951.	.5599	-1.271	.5800	5.509	.4969	-3.146
#2	1905.	.1598	-1.138	.7757	5.249	-.1607	-.8648
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.8516	2.259	-.1224	.3125	-.3809	-1.087	1.527
SDev	.1151	1.875	1.0805	1.237	.8910	.617	.874
%RSD	13.51	83.00	883.0	395.7	233.9	56.79	57.24
#1	-.9329	.9332	-.8864	1.187	.2491	-1.524	2.145
#2	-.7702	3.585	.6416	-.5619	-1.011	-.6506	.9090
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-3.770	6.130	L-3.111	L-1.723
SDev	2.855	.667	2.002	.905
%RSD	75.73	10.88	64.36	52.53
#1	-5.788	5.658	L-4.527	L-2.363
#2	-1.751	6.601	L-1.695	L-1.083
Errors	NOCHECK	LC Pass	LC Low	LC Low
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701148 #93 Operator:
Run Time: 04/23/95 22:44:51
Comment: SDG:409383 ClientID:12-01SDB1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3488	154.2	.8385	-.0084	360.4	-.8976	-.1308
SDev	.0244	.0	.0143	.0028	3.9	.1332	.4765
%RSD	6.984	.0127	1.703	33.46	1.077	14.84	364.4
#1	.3661	154.2	.8486	-.0104	357.7	-.9918	-.4677
#2	.3316	154.2	.8284	-.0064	363.2	-.8034	.2062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.812	1.364	28.53	132.5	14.30	.9168	.5259
SDev	.081	.009	4.18	2.9	2.05	.0268	.2581
%RSD	2.893	.6889	14.65	2.161	14.31	2.919	49.09
#1	2.754	1.358	25.57	134.5	12.85	.8979	.7084
#2	2.869	1.371	31.48	130.5	15.75	.9358	.3433
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1326.	.3719	-3.359	.2378	8.734	1.293	-.8666
SDev	52.	.0473	.006	.0720	.270	.093	.4449
%RSD	3.895	12.71	.1739	30.28	3.086	7.160	51.34
#1	1362.	.3385	-3.354	.2887	8.543	1.358	-1.181
#2	1289.	.4054	-3.363	.1869	8.924	1.228	-.5520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.6453	-3.012	6.524	-1.319	-1.318	-.3100	-2.163
SDev	.3760	.110	1.082	.401	1.644	1.3844	1.386
%RSD	58.26	3.659	16.58	30.42	124.7	446.6	64.09
#1	-.9111	-2.935	7.289	-1.603	-.1556	-1.289	-1.183
#2	-.3794	-3.090	5.759	-1.035	-2.481	.6690	-3.143
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.2200	.5710	L-4.103	1.024
SDev	1.3590	2.436	2.659	.435
%RSD	617.6	426.5	64.80	42.44
#1	-1.181	L-1.151	L-5.983	.7165
#2	.7409	2.293	L-2.223	1.331
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: 701155 #94 Operator:
Run Time: 04/23/95 22:50:14
Comment: SDG:409383 ClientID:12-01SSB1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0258	140.9	1.121	.0154	323.2	-.5681	-.2435
SDev	.3106	.8	.042	.0095	1	.0672	.1924
%RSD	1202.	.5962	3.714	61.71	.3087	11.84	79.03
#1	.1938	141.5	1.151	.0087	323.9	-.5205	-.1074
#2	-.2455	140.3	1.092	.0221	322.5	-.6156	-.3796
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3882	2.559	31.72	163.5	24.68	1.218	L-.1584
SDev	.5622	.107	2.08	10.6	1.28	.038	.2877
%RSD	144.8	4.199	6.543	6.511	5.168	3.160	181.6
#1	.7857	2.635	33.19	171.0	25.58	1.245	.0450
#2	-.0093	2.483	30.25	156.0	23.78	1.190	L-.3618
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1376.	-.3012	-5.546	.1939	27.72	1.430	-1.976
SDev	97.	.6207	6.369	.1261	.28	.741	.264
%RSD	7.018	206.1	114.8	65.03	.9925	51.82	13.34
#1	1445.	.1377	-1.043	.2830	27.91	.9062	-2.163
#2	1308.	-.7401	L-10.05	.1047	27.52	1.954	-1.790
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.098	.1577	4.528	-.1171	-.6346	-1.330	-2.795
SDev	.824	.6962	.013	1.1044	1.2282	1.848	2.210
%RSD	75.01	441.5	.2979	943.4	193.5	138.9	79.08
#1	-1.681	-.3346	4.519	-.8980	.2339	-2.637	-4.358
#2	-.5157	.6500	4.538	.6639	-1.503	-.0234	-1.232
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.568	3.458	L-.4228	1.010
SDev	.708	1.155	2.7867	.073
%RSD	45.18	33.39	659.1	7.230
#1	-1.067	4.274	1.548	.9581
#2	-2.069	2.641	L-2.393	1.061
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: 701162 #95 Operator:
Run Time: 04/23/95 22:55:37
Comment: SDG:409383 ClientID:12-03SW-1 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.4005	521.5	55.33	.1412	4261.	-.7953	.2640
SDev	.1218	3.2	.30	.0025	48.	.0847	.5225
%RSD	30.41	.6080	.5406	1.779	1.126	10.65	197.9
#1	.3144	523.7	55.55	.1394	4227.	-.8552	-.1055
#2	.4866	519.2	55.12	.1430	4294.	-.7354	.6334
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.8307	4.223	849.1	251.6	860.2	14.81	.1536
SDev	.3261	.068	10.9	3.3	.3	.14	.3594
%RSD	39.25	1.610	1.279	1.322	.0334	.9421	233.9
#1	1.061	4.175	841.4	253.9	860.5	14.71	.4078
#2	.6001	4.271	856.8	249.2	860.0	14.91	L-.1005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5320.	.9507	-8.610	.9818	6.641	2.504	1.517
SDev	10.	.0998	6.242	.0151	.463	2.090	.770
%RSD	.1933	10.50	72.50	1.534	6.965	83.47	50.74
#1	5313.	1.021	L-13.02	.9925	6.314	1.026	2.061
#2	5327.	.8802	-4.196	.9712	6.968	3.982	.9726
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.841	-.4868	7.047	.2353	2.098	1.713	-2.934
SDev	.945	1.9701	1.240	2.515	1.683	.577	3.311
%RSD	51.33	404.7	17.59	1069.	80.23	33.68	112.9
#1	1.173	-1.880	6.171	-1.543	.9076	1.305	-.5922
#2	2.510	.9063	7.924	2.013	3.287	2.121	-5.275
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	3.738	6.557	L-7.776	1.037
SDev	.499	7.268	2.366	.182
%RSD	13.36	110.8	30.43	17.59
#1	3.385	1.418	L-9.449	1.166
#2	4.091	11.70	L-6.102	.9080
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: PDS701158 #96 Operator:
Run Time: 04/23/95 23:01:01
Comment: SDG:409383 ClientID:12-02SW-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.577	803.8	61.60	10.48	4299.	10.52	112.2
SDev	.110	1.6	.06	.00	6.	.00	.1
%RSD	1.966	.2036	.0915	.0386	.1295	.0148	.1254
#1	5.654	802.7	61.56	10.48	4303.	10.52	112.3
#2	5.499	805.0	61.64	10.48	4295.	10.52	112.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	22.91	58.85	1563.	263.4	884.7	51.84	.5363
SDev	.08	.01	5.	3.5	.1	.00	.8851
%RSD	.3301	.0164	.2879	1.347	.0072	.0037	165.0
#1	22.97	58.86	1560.	265.9	884.8	51.84	1.162
#2	22.86	58.84	1567.	260.9	884.7	51.84	L-.0895
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5265.	89.45	15.65	115.8	65.22	9.855	12.04
SDev	27.	.07	4.12	.0	.16	.262	3.43
%RSD	.5176	.0759	26.29	.0330	.2527	2.657	28.51
#1	5284.	89.40	18.56	115.8	65.33	10.04	9.614
#2	5246.	89.50	12.74	115.8	65.10	9.670	14.47
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	125.1	19.32	14.34	7.616	126.1	124.6	7.432
SDev	.1	.04	1.31	1.045	1.5	.6	1.562
%RSD	.0785	.2110	9.117	13.72	1.154	.4651	21.02
#1	125.1	19.35	13.41	8.355	125.1	125.0	8.537
#2	125.2	19.29	15.26	6.877	127.2	124.2	6.328
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14.34	12.27	L-2.878	1.212
SDev	5.93	.39	.313	.752
%RSD	41.33	3.182	10.88	62.03
#1	10.15	11.99	L-2.657	.6805
#2	18.53	12.55	L-3.099	1.744
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Analysis Report QC Standard Sun 04-23-95 11:11:45 PM page 1

Method: CLPSUE Sample Name: CCVB Operator:
Run Time: 04/23/95 23:06:25
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	97.13	1876.	1019.	969.6	48530.	961.5	1001.
SDev	.18	.	2.	.2	76.	.1	1.
%RSD	.1881	.0032	.2262	.0171	.1564	.0133	.0515
#1	97.25	1876.	1017.	969.5	48580.	961.5	1001.
#2	97.00	1876.	1020.	969.7	48470.	961.4	1000.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	956.6	998.1	2034.	49580.	48000.	985.7	990.5
SDev	1.1	1.9	6.	56.	7.	.4	4.0
%RSD	.1166	.1880	.3063	.1138	.0149	.0427	.3995
#1	957.3	996.8	2038.	49550.	48010.	986.0	987.7
#2	955.8	999.5	2030.	49620.	48000.	985.4	993.3
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48600.	971.7	1040.	979.8	2112.	1015.	1021.
SDev	6.	1.1	1.	1.4	2.	1.	2.
%RSD	.0124	.1146	.0702	.1387	.1120	.0574	.2434
#1	48600.	970.9	1040.	980.8	2113.	1015.	1019.
#2	48600.	972.5	1039.	978.9	2110.	1014.	1023.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1004.	1017.	1026.	1009.	1007.	1002.	1016.
SDev	1.	4.	2.	.	5.	1.	7.
%RSD	.0933	.4328	.1636	.0035	.4574	.0895	.6962
#1	1003.	1014.	1028.	1009.	1004.	1002.	1021.
#2	1004.	1020.	1025.	1009.	1011.	1001.	1011.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1023.	995.1	1016.	1049.
SDev	7.	.3	1.	1.
%RSD	.7090	.0348	.0738	.1069
#1	1018.	995.4	1017.	1048.
#2	1029.	994.9	1016.	1050.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

Analysis Report QC Standard Sun 04-23-95 11:17:10 PM page 1

Method: CLPSUE Sample Name: CCBB Operator:
Run Time: 04/23/95 23:11:50
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0474	-7.605	-.0562	.0821	5.018	.0068	.3330
SDev	.3289	3.431	.0060	.0112	.442	.1571	.010
%RSD	694.3	45.12	10.67	13.67	8.816	2325.	2.998
#1	.2799	-5.179	-.0520	.0742	4.705	.1178	.3401
#2	-.1852	-10.03	-.0604	.0900	5.331	-.1043	.3260
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1759	.3197	4.473	12.82	3.821	.0498	.8484
SDev	.4407	.1370	2.056	7.34	.274	.0284	.4138
%RSD	250.5	42.85	45.97	57.24	7.178	56.98	48.77
#1	.4875	.4166	3.019	18.01	4.015	.0699	1.141
#2	-.1357	.2229	5.927	7.630	3.627	.0297	.5558
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	110.1	.3205	-2.299	.3568	-.4391	-.0620	-.5255
SDev	37.4	.2869	.842	.0711	.1749	.2060	3.1002
%RSD	33.96	89.51	36.64	19.93	39.85	332.0	589.9
#1	136.5	.1176	-2.895	.4071	-.3153	.0836	-2.718
#2	83.64	.5234	-1.704	.3066	-.5628	-.2077	1.667
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.7849	1.112	.2783	-.2325	.2988	1.027	2.600
SDev	.3361	.825	.1614	.3894	.0905	.549	.036
%RSD	42.82	74.18	57.99	167.5	30.28	53.46	1.399
#1	.5472	1.695	.1642	.0428	.3627	.6387	2.626
#2	1.022	.5287	.3924	-.5079	.2348	1.415	2.575
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-2.087	-.0702	-2.022	-.5258
SDev	4.666	.0553	2.311	2.0776
%RSD	223.6	78.76	114.3	395.2
#1	-5.386	-.1094	-3.656	.9433
#2	1.213	-.0311	-.3873	-1.995
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report Sun 04-23-95 11:22:34 PM page 1

Method: CLPSUE Sample Name: PDS701287 #99 Operator:
Run Time: 04/23/95 23:17:14
Comment: SDG:409527 ClientID:12-09SB-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	11.33	62150.	395.5	12.20	873.9	10.47	128.1
SDev	.30	8.	1.6	.09	10.3	.19	1.0
%RSD	2.633	.0135	.4127	.7246	1.180	1.831	.8162
#1	11.55	62160.	396.6	12.14	866.6	10.61	127.3
#2	11.12	62140.	394.3	12.26	881.2	10.33	128.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	90.55	72.69	38120.	2085.	4509.	63.00	1.130
SDev	.26	.25	252.	34.	12.	.31	.523
%RSD	.2819	.3414	.6601	1.646	.2719	.4884	46.28
#1	90.74	72.87	37940.	2109.	4500.	62.78	.7601
#2	90.37	72.52	38300.	2060.	4517.	63.22	1.500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1743.	116.9	13.86	184.3	136.3	59.05	10.21
SDev	139.	.7	.74	.6	.6	.53	1.25
%RSD	8.001	.5900	5.317	.3511	.4768	.9043	12.28
#1	1842.	116.4	13.34	183.9	135.8	59.43	9.322
#2	1645.	117.3	14.38	184.8	136.7	58.67	11.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	125.4	25.74	70.62	53.27	125.5	125.3	.8389
SDev	.5	1.53	1.49	.06	2.5	.4	4.221
%RSD	.4312	5.927	2.111	.1056	2.005	.3560	503.1
#1	125.0	26.82	71.67	53.31	123.7	125.6	3.823
#2	125.8	24.66	69.56	53.23	127.3	125.0	-2.145
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14.89	357.1	19.28	2.094
SDev	3.99	4.7	1.95	.613
%RSD	26.78	1.323	10.12	29.27
#1	12.07	353.7	20.66	1.661
#2	17.70	360.4	17.90	2.528
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: PDS701284 #100 Operator:
Run Time: 04/23/95 23:22:37
Comment: SDG:409418 ClientID:12-09SS-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14.91	7237.	39.52	10.90	19050.	11.78	118.6
SDev	.05	7.	.14	.02	112.	.05	.3
%RSD	.3676	.0928	.3592	.2033	.5870	.4464	.2248
#1	14.95	7242.	39.42	10.92	19130.	11.81	118.4
#2	14.87	7233.	39.62	10.88	18970.	11.74	118.8
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	56.41	322.1	10200.	491.6	513.7	88.12	3.583
SDev	.28	.5	26.	4.1	.1	.13	.491
%RSD	.5005	.1439	.2521	.8400	.0153	.1439	13.70
#1	56.61	321.8	10220.	488.7	513.6	88.21	3.930
#2	56.21	322.5	10180.	494.6	513.7	88.03	3.236
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	833.5	100.9	24.08	131.9	549.9	358.0	11.18
SDev	57.5	.5	.08	.0	1.5	.7	.68
%RSD	6.899	.5416	.3202	.0354	.2730	.1931	6.056
#1	792.8	100.6	24.14	132.0	550.9	358.5	10.70
#2	874.2	101.3	24.03	131.9	548.8	357.5	11.66
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	138.5	24.83	360.9	356.6	140.6	137.5	8.308
SDev	1.5	.35	1	.5	1.7	1.5	2.961
%RSD	1.111	1.428	.2706	.1539	1.188	1.071	35.64
#1	137.4	25.08	361.6	357.0	139.4	136.4	6.214
#2	139.6	24.58	360.2	356.2	141.7	138.5	10.40
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	12.62	111.6	3.822	.1579
SDev	.46	1.4	.461	.5356
%RSD	3.670	1.289	12.06	339.3
#1	12.95	110.5	4.148	L-.2209
#2	12.29	112.6	3.496	.5366
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: PDS701206 #101 Operator:
Run Time: 04/23/95 23:28:00
Comment: SDG:409424 ClientID:12-02SD-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	14.96	2182.	19.28	10.93	384.8	10.41	116.8
SDev	.38	3.	.08	.06	5.1	.01	.9
%RSD	2.565	.1504	.4139	.5031	1.337	.1376	.7807
#1	15.23	2184.	19.34	10.89	381.1	10.42	116.2
#2	14.69	2179.	19.22	10.97	388.4	10.40	117.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	27.63	61.00	2886.	220.7	117.5	48.18	.0564
SDev	.30	.29	20.	16.4	2.9	.24	.7962
%RSD	1.086	.4678	.6831	7.423	2.431	.4933	1411.
#1	27.84	61.20	2872.	232.3	115.4	48.01	L-.5066
#2	27.42	60.80	2900.	209.1	119.5	48.35	.6195
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1383.	91.96	14.95	124.4	62.02	16.50	10.70
SDev	38.	.99	.44	.6	.60	1.39	4.82
%RSD	2.757	1.077	2.920	.4932	.9708	8.427	44.99
#1	1410.	91.26	15.26	123.9	61.59	17.48	7.299
#2	1356.	92.66	14.64	124.8	62.44	15.51	14.11
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	132.9	19.56	25.56	11.97	133.5	132.6	-1.318
SDev	1.8	.09	3.73	.22	2.2	1.6	8.937
%RSD	1.378	.4759	14.61	1.833	1.685	1.224	677.9
#1	131.6	19.62	28.20	12.12	131.9	131.5	-7.638
#2	134.2	19.49	22.92	11.81	135.1	133.7	5.001
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	16.71	43.38	3.970	.1635
SDev	2.76	4.66	4.721	.2087
%RSD	16.51	10.74	118.9	127.7
#1	14.76	40.09	.6314	.3111
#2	18.66	46.68	7.309	.0159
Errors	NOCHECK	LC Pass	LC Pass	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

INORGANIC SDG 04581M

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Method: CLPSUE Sample Name: PDS700025 #102 Operator:
Run Time: 04/23/95 23:33:24
Comment: SDG:409391 ClientID:19-01SW-1A 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.63	386.3	41.78	11.20	52620.	11.54	123.1
SDev	.29	.9	.02	.01	15.	.03	.0
%RSD	1.570	.2229	.0596	.0703	.0293	.2188	.0051
#1	18.42	386.9	41.76	11.21	52610.	11.52	123.1
#2	18.83	385.7	41.80	11.19	52630.	11.55	123.1
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	39.68	68.06	417.5	442.2	2811.	65.40	.2710
SDev	.58	.07	.1	4.8	.	.10	.7626
%RSD	1.450	.1013	.0170	1.076	.0146	.1558	281.4
#1	39.27	68.01	417.5	438.8	2811.	65.33	L-.2683
#2	40.09	68.11	417.4	445.5	2810.	65.47	.8102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	6180.	98.19	16.99	126.4	96.57	139.2	11.43
SDev	38.	.45	1.17	.1	.18	.4	.72
%RSD	.6122	.4578	6.914	.0966	.1888	.2761	6.285
#1	6153.	97.87	17.82	126.3	96.70	139.5	11.94
#2	6207.	98.50	16.16	126.5	96.44	138.9	10.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	146.3	24.82	144.6	136.5	144.6	147.1	7.635
SDev	.4	1.34	.1	.6	.9	.1	3.945
%RSD	.2571	5.389	.0567	.4520	.6291	.0747	51.67
#1	146.5	25.77	144.5	137.0	145.2	147.2	4.845
#2	146.0	23.88	144.6	136.1	143.9	147.1	10.42
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	13.32	20.85	L-9.837	1.104
SDev	3.05	2.06	5.689	.190
%RSD	22.86	9.871	57.84	17.19
#1	15.48	22.30	L-13.86	1.238
#2	11.17	19.39	L-5.814	.9697
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

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Method: CLPSUE Sample Name: PDS702297 Operator:
Run Time: 04/23/95 23:46:06
Comment: SDG: 1:1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.158	1244.	137.6	.2558	8563.	.3253	1.639
SDev	.061	23.	1.6	.0486	91.	.0308	.039
%RSD	5.257	1.841	1.165	19.00	1.062	9.459	2.376
#1	-1.115	1227.	136.5	.2902	8498.	.3471	1.612
#2	-1.202	1260.	138.7	.2214	8627.	.3036	1.667
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	2500.	600000.	25000.	10000.	600000.	10000.	25000.
Low	-10.00	-200.0	-200.0	-5.000	-5000.	-5.000	-50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2.776	1.757	7162.	1402.	3589.	26.32	1.083
SDev	.074	.131	279.	14.	36.	.13	.356
%RSD	2.653	7.445	3.903	.9972	1.007	.4854	32.89
#1	2.828	1.849	6964.	1393.	3563.	26.23	.8314
#2	2.724	1.664	7359.	1412.	3615.	26.41	1.335
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	25000.	35000.	250000.	200000.	600000.	10000.	25000.
Low	-10.00	-25.00	-100.0	-5000.	-5000.	-15.00	.0000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	4218.	2.114	-2.133	2.690	22.08	.7243	.5424
SDev	31.	.253	4.005	.085	.18	1.556	.7079
%RSD	.7394	11.99	187.8	3.176	.7987	214.8	130.5
#1	4196.	1.935	.6993	2.751	21.96	-.3759	.0418
#2	4240.	2.293	-4.965	2.630	22.21	1.824	1.043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500000.	25000.	25000.	25000.	30000.	25000.	25000.
Low	-5000.	-40.00	-10.00	-50.00	-20.00	-3.000	-5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.526	2.097	1.535	.3189	1.710	1.433	4.044
SDev	.576	.940	1.107	1.780	.395	.667	.597
%RSD	37.77	44.84	72.13	558.1	23.07	46.54	14.77
#1	1.934	2.762	.7522	-.9397	1.989	1.905	3.622
#2	1.118	1.432	2.318	1.577	1.431	.9617	4.467
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	25000.	25000.					
Low	-60.00	-10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.207	114.9	L-3.207	.1871
SDev	.763	2.4	1.967	.3157
%RSD	63.25	2.128	61.33	168.7
#1	-1.746	113.2	L-4.598	.4104
#2	-.6669	116.7	L-1.816	L-.0361
Errors	NOCHECK	LC Pass	LC Low	LC Pass
High		10000.	10000.	10000.
Low		.0000	.0000	.0000

Analysis Report QC Standard Mon 04-24-95 00:12:07 AM page 1

Method: CLPSUE Sample Name: CRI Operator:
Run Time: 04/24/95 00:06:45
Comment: CRI
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	192.7	103100.	1987.	1905.	Q132300.	1919.	2017.
SDev	.7	178.	.	1.	107.	.	.
%RSD	.3541	.1726	.0181	.0330	.0811	.0010	.0231
#1	192.2	103000.	1987.	1904.	Q132300.	1919.	2017.
#2	193.1	103200.	1986.	1905.	Q132400.	1919.	2018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	200.0	100000.	2000.	2000.	100000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1921.	2060.	49410.	103900.	Q136000.	1940.	1987.
SDev	2.	5.	19.	82.	86.	1.	4.
%RSD	.1046	.2573	.0389	.0789	.0632	.0491	.1845
#1	1919.	2056.	49390.	103900.	Q135900.	1940.	1984.
#2	1922.	2063.	49420.	104000.	Q136000.	1941.	1990.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass
Value	2000.	2000.	50000.	100000.	100000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	103400.	1936.	Q2129.	1963.	Q4114.	2068.	2054.
SDev	21.	4.	1.	1.	2.	3.	1.
%RSD	.0202	.1832	.0621	.0533	.0544	.1528	.0545
#1	103400.	1938.	Q2130.	1962.	Q4112.	2065.	2055.
#2	103500.	1933.	Q2128.	1964.	Q4116.	2070.	2053.
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Fail	QC Pass	QC Pass
Value	100000.	2000.	2000.	2000.	2000.	2000.	2000.
Range	5.000	5.000	5.000	5.000	5.000	5.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2054.	2036.	2121.	2041.	2093.	2034.	2056.
SDev	3.	7.	3.	6.	1.	4.	13.
%RSD	.1486	.3420	.1502	.3101	.0295	.2097	.6379
#1	2052.	2031.	2123.	2036.	2093.	2031.	2047.
#2	2056.	2041.	2119.	2045.	2093.	2037.	2065.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	2000.	2000.					
Range	5.000	5.000					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	2053.	1975.	2138.	2129.
SDev	8.	2.	2.	.
%RSD	.4007	.1120	.1165	.0155
#1	2059.	1974.	2140.	2130.
#2	2047.	1977.	2137.	2129.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report QC Standard Mon 04-24-95 00:17:31 AM page 1

Method: CLPSUE Sample Name: ICSA Operator:
Run Time: 04/24/95 00:12:11
Comment: ICSA ICSA
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-33.10	545600.	-.5193	.3124	440800.	13.24	.1440
SDev	.63	339.	.0468	.0184	87.	.28	.1114
%RSD	1.895	.0621	9.020	5.890	.0197	2.093	77.34
#1	-32.66	545400.	-.4862	.3255	440800.	13.44	.0652
#2	-33.54	545900.	-.5524	.2994	440700.	13.04	.2227
Errors	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value		524200.			547900.		
Range		50.00			50.00		

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	18.87	-7.833	196200.	28.17	511600.	-87.03	1.974
SDev	.64	.189	14.	13.08	384.	.02	1.508
%RSD	3.370	2.413	.0073	46.42	.0751	.0187	76.39
#1	19.32	-7.967	196200.	37.42	511800.	-87.02	3.041
#2	18.42	-7.700	196200.	18.92	511300.	-87.05	.9078
Errors	QC Pass	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK	NOCHECK
Value	21.00		190700.		529800.		
Range	20.00		50.00		50.00		

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	217.6	-5.256	-2.483	-80.30	-.8667	6.626	5.860
SDev	146.4	.165	9.393	.02	.1308	.212	3.759
%RSD	67.30	3.137	378.3	.0309	15.09	3.207	64.14
#1	321.2	-5.139	-9.125	-80.32	-.7742	6.777	8.518
#2	114.1	-5.373	4.159	-80.28	-.9592	6.476	3.203
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.155	.8349	11.63	4.127	-4.611	.5703	14.61
SDev	.387	.7373	.18	.230	1.265	1.212	10.59
%RSD	33.56	88.31	1.524	5.575	27.42	212.6	72.48
#1	-.8807	1.356	11.76	4.289	-5.505	1.427	22.10
#2	-1.429	.3135	11.51	3.964	-3.717	-.2869	7.124
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1.490	13.24	-2.702	6.733
SDev	.347	1.19	6.554	1.954
%RSD	23.32	8.974	242.5	29.01
#1	1.736	12.40	-7.337	8.115
#2	1.244	14.08	1.932	5.352
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report QC Standard Mon 04-24-95 00:22:55 AM page 1

Method: CLPSUE Sample Name: ICSAB Operator:
Run Time: 04/24/95 00:17:35
Comment: ICSAB ICSAB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	933.6	551700.	522.5	485.0	440600.	958.9	535.6
SDev	1.1	526.	1.2	.4	1426.	.2	1.1
%RSD	.1194	.0953	.2308	.0884	.3236	.0257	.1997
#1	932.9	552100.	521.7	485.3	441600.	959.1	536.3
#2	934.4	551300.	523.4	484.7	439600.	958.8	534.8
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	889.0	524800.	485.0	477.0	548100.	899.0	474.0
Range	20.00	20.00	20.00	20.00	20.00	20.00	20.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	497.0	535.1	197600.	11.19	515400.	409.9	1020.
SDev	1	1.5	284.	7.66	806.	.6	2.
%RSD	.2004	.2712	.1439	68.46	.1565	.1460	.2073
#1	497.7	534.0	197800.	16.60	515900.	410.3	1021.
#2	496.3	536.1	197400.	5.771	514800.	409.5	1018.
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	NOCHECK
Value	468.0	507.0	191300.		529900.	454.0	
Range	20.00	20.00	20.00		20.00	20.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-788.8	958.6	-3.435	415.3	1113.	5122.	8.946
SDev	181.0	1.1	7.980	1.5	4.	2.	6.229
%RSD	22.94	.1134	232.3	.3567	.3248	.0400	69.63
#1	-660.8	959.4	2.207	416.4	1116.	5123.	4.541
#2	-916.8	957.8	-9.078	414.3	1110.	5120.	13.35
Errors	NOCHECK	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	NOCHECK
Value		882.0		465.0	941.0	4535.	
Range		20.00		20.00	20.00	20.00	

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-7.817	-.2366	5291.	5037.	-11.16	-6.150	15.20
SDev	1.489	8.5939	9.	1.	7.68	1.601	11.35
%RSD	19.05	3632.	.1648	.0255	68.82	26.03	74.68
#1	-8.870	5.840	5297.	5036.	-16.59	-5.018	7.174
#2	-6.764	-6.313	5284.	5038.	-5.728	-7.282	23.23
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	5.822	1029.	1030.	1137.
SDev	3.670	.	12.	2.
%RSD	63.05	.0375	1.203	.1653
#1	3.226	1029.	1021.	1139.
#2	8.417	1028.	1039.	1136.
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

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Method: CLPSUE Sample Name: CCVB Operator:
Run Time: 04/24/95 00:23:00
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.87	1899.	1013.	970.1	48560.	960.6	1000.
SDev	.39	8.	2.	1.8	257.	2.0	3.
%RSD	.4024	.3964	.2440	.1873	.5288	.2119	.3433
#1	96.59	1904.	1015.	968.8	48370.	959.1	998.0
#2	97.14	1893.	1012.	971.4	48740.	962.0	1003.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	955.9	993.5	2054.	49550.	48340.	985.3	990.8
SDev	3.1	.8	7.	142.	2.	3.4	1.0
%RSD	.3275	.0800	.3627	.2859	.0040	.3411	.1032
#1	953.7	994.0	2049.	49650.	48340.	983.0	990.1
#2	958.1	992.9	2059.	49450.	48340.	987.7	991.5
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48490.	970.4	1043.	985.2	2112.	1012.	1015.
SDev	20.	3.1	1.	2.1	7.	3.	4.
%RSD	.0418	.3229	.0753	.2120	.3541	.3147	.4231
#1	48510.	968.2	1043.	983.7	2107.	1010.	1012.
#2	48480.	972.7	1044.	986.7	2118.	1015.	1018.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1001.	1011.	1026.	1005.	1012.	996.0	1019.
SDev	1.	2.	1.	4.	3.	.6	5.
%RSD	.0628	.1774	.0782	.4353	.3047	.0599	.4858
#1	1001.	1009.	1026.	1002.	1010.	996.4	1016.
#2	1002.	1012.	1027.	1008.	1014.	995.6	1023.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1013.	991.3	1015.	1047.
SDev	4.	1.6	4.	3.
%RSD	.3916	.1615	.3630	.2926
#1	1010.	990.2	1017.	1049.
#2	1016.	992.4	1012.	1045.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

Analysis Report QC Standard Mon 04-24-95 00:33:48 AM page 1

Method: CLPSUE Sample Name: CCBB Operator:
Run Time: 04/24/95 00:28:26
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.1077	-9.415	-.0130	.1843	24.00	.0510	.3474
SDev	.0487	4.913	.0108	.0039	1.06	.1157	.0091
%RSD	45.25	52.18	83.14	2.130	4.410	227.0	2.607
#1	-.0732	-5.941	-.0053	.1871	24.75	.1328	.3410
#2	-.1421	-12.89	-.0206	.1815	23.25	-.0308	.3538
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.0974	.7080	10.76	9.405	18.63	.1534	.8648
SDev	.1631	.1177	1.38	.479	2.08	.0026	.9397
%RSD	167.6	16.62	12.81	5.096	11.14	1.688	108.7
#1	.2127	.7912	11.74	9.743	20.10	.1515	1.529
#2	-.0180	.6248	9.786	9.066	17.16	.1552	.2003
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	115.5	.1495	.8049	.2003	-.3775	.1750	-4.092
SDev	80.8	.2356	1.567	.2810	.0888	.0619	1.231
%RSD	70.01	157.6	194.6	140.3	23.52	35.38	30.08
#1	58.30	.3161	-.3029	.3990	-.4402	.1312	-3.222
#2	172.6	-.0171	1.913	.0017	-.3147	.2188	-4.962
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.9529	1.119	-1.094	.8081	.2858	1.285	-.5356
SDev	.1710	1.630	.297	.0555	.1604	.336	.2664
%RSD	17.94	145.7	27.16	6.867	56.13	26.18	49.73
#1	1.074	-.0335	-1.304	.8474	.1724	1.523	-.3472
#2	.8320	2.272	-.8841	.7689	.3993	1.047	-.7240
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-5.868	1.796	-1.709	-.8089
SDev	1.712	.557	2.144	1.5318
%RSD	29.18	31.01	125.4	189.4
#1	-4.657	1.402	-.1931	.2742
#2	-7.079	2.190	-3.225	-1.892
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Analysis Report QC Standard Mon 04-24-95 01:20:29 AM page 1

Method: CLPSUE Sample Name: CCVB Operator:
Run Time: 04/24/95 01:15:06
Comment: CCV CVS1
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	96.02	1844.	991.2	968.1	49130.	962.3	1005.
SDev	.07	1.	.3	.7	90.	.3	1.
%RSD	.0698	.0395	.0341	.0761	.1823	.0296	.0789
#1	95.97	1843.	991.5	967.6	49070.	962.1	1005.
#2	96.07	1844.	991.0	968.6	49200.	962.5	1006.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	100.0	2000.	1000.	1000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	963.8	976.6	2058.	49150.	48300.	990.9	990.2
SDev	2.2	1.8	1.	14.	25.	.6	3.5
%RSD	.2241	.1866	.0714	.0283	.0526	.0600	.3568
#1	962.3	975.3	2057.	49140.	48280.	990.5	987.7
#2	965.4	977.9	2059.	49160.	48320.	991.3	992.7
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1000.	1000.	2000.	50000.	50000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	48090.	963.7	1037.	999.0	2127.	1011.	1020.
SDev	2.	.7	1.	1.2	1.	3.	5.
%RSD	.0048	.0710	.0802	.1164	.0562	.2810	.4588
#1	48090.	963.3	1038.	998.1	2127.	1009.	1023.
#2	48100.	964.2	1037.	999.8	2128.	1013.	1016.
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	50000.	1000.	1000.	1000.	2000.	1000.	1000.
Range	10.50	10.50	10.50	10.50	10.50	10.50	10.50

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	999.9	1013.	1030.	1002.	1015.	992.6	1008.
SDev	1.5	1.	2.	3.	3.	.6	4.
%RSD	.1503	.0735	.2194	.3126	.3330	.0570	.4411
#1	998.9	1013.	1028.	999.9	1012.	992.2	1011.
#2	1001.	1014.	1031.	1004.	1017.	993.0	1005.
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	1000.	1000.					
Range	10.50	10.50					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	1026.	990.2	1018.	1046.
SDev	5.	.3	4.	5.
%RSD	.4675	.0255	.4197	.4954
#1	1029.	990.0	1021.	1042.
#2	1022.	990.4	1015.	1050.
Errors	NOCHECK	QC Pass	QC Pass	QC Pass
Value		1000.	1000.	1000.
Range		10.50	10.50	10.50

Analysis Report QC Standard Mon 04-24-95 01:25:55 AM page 1

Method: CLPSUE Sample Name: CCBB Operator:
Run Time: 04/24/95 01:20:34
Comment: CCB
Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	Ba4934	Be3130	Ca3179	Cd2265	Co2286
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-.0129	-38.38	.0118	.2013	12.62	.0547	.1577
SDev	.1218	.21	.0549	.0198	.62	.0648	.1466
%RSD	942.8	.5422	464.9	9.843	4.946	118.6	93.00
#1	.0732	-38.52	.0506	.2154	13.06	.0088	.0540
#2	-.0991	-38.23	-.0270	.1873	12.18	.1005	.2614
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	10.00	200.0	200.0	5.000	500.0	5.000	50.00

Elem	Cr2677	Cu3247	Fe2714	K 7664	Mg2790	Mn2576	Mo2020
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.1847	.9166	2.408	15.30	3.132	.1053	.0700
SDev	.4082	.0783	3.496	10.77	.004	.0363	.1949
%RSD	221.0	8.544	145.2	70.42	.1235	34.44	278.5
#1	.4733	.9720	4.880	22.92	3.135	.0797	.2078
#2	-.1040	.8612	-.0639	7.681	3.129	.1310	-.0678
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK
Value	.0000	.0000	.0000	.0000	.0000	.0000	
Range	10.00	25.00	100.0	5000.	5000.	15.00	

Elem	Na3302	Ni2316	Tl1908	V 2924	Zn2138	Pb2203	Se1960
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	135.8	-.0769	1.090	.2474	-.2488	-.4244	1.070
SDev	26.4	.5337	4.564	.0625	.0902	.0269	3.712
%RSD	19.46	694.4	418.7	25.28	36.24	6.342	346.8
#1	154.5	.3005	-2.137	.2031	-.1851	-.4434	-1.554
#2	117.1	-.4542	4.317	.2916	-.3126	-.4053	3.695
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0000	.0000	.0000	.0000	.0000	.0000	.0000
Range	5000.	40.00	10.00	50.00	50.00	3.000	5.000

Elem	Sb2068	As1890	22031	22032	20681	20682	19601
Units	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter	ug/liter
Avge	.3862	.6658	-1.371	.0478	.2777	.4397	5.988
SDev	.2992	.3502	2.101	1.089	.7055	.8008	2.001
%RSD	77.48	52.60	153.2	2279.	254.0	182.1	33.41
#1	.1746	.9134	.1143	-.7224	.7766	-.1266	4.574
#2	.5978	.4182	-2.857	.8180	-.2211	1.006	7.403
Errors	QC Pass	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value	.0000	.0000					
Range	60.00	10.00					

Elem	19602	Ti3349	Sn1899	Bi2230
Units	ug/liter	ug/liter	ug/liter	ug/liter
Avge	-1.386	.9575	.7567	-.8376
SDev	4.566	3.612	3.302	.4167
%RSD	329.6	377.2	436.4	49.75
#1	-4.614	-1.596	3.092	-.5429
#2	1.843	3.512	-1.578	-1.132
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value				
Range				

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
Standard blank (S0, ICB, CCB)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Bring up to volume with deionized water. Prepare daily.	[illegible]	4/23/95
Standard XCL-11 (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) Pipet 0.2 ml XCL-11 (Ref#: FMC 183-16) into flask. 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Bring up to volume with deionized water. Prepare daily.	[illegible]	4/23/95
Standard XCL-2 (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Pipet 0.2 ml XCL-2 (Ref#: FMC 183-17) into flask. Bring up to volume with deionized water. Prepare daily.	[illegible]	4/23/95
Standard XCL-3A	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Pipet 1.0 ml XCL-3A (Ref#: FMC 190-14) into flask. Bring up to volume with deionized water. Prepare daily.	[illegible]	4/23/95
Standard PLSB2-2X (S)	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 0.2 ml of Sn (Ref#: FMC 191-10) 0.2 ml of Bi (Ref#: FMC 188-13) 0.2 ml of Ti (Ref#: FMC 188-15) 0.2 ml of Zr (Ref#: NC) 0.2 ml of Sb (Ref#: FMC 189-3) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Bring up to volume with deionized water. Prepare daily. 0.5 ml Zr FMC 188-185-14	[illegible]	4/23/95

*1.0 ml of yttrium (Ref#: FMC 190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [illegible] Date: 4-23-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
Standard STD3	Place in a 100-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMZ-189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMZ-189-7) 1.0 ml of 10,000-ppm Al standard (Ref#: FMZ-183-5) 0.5 ml of 10,000-ppm Fe standard (Ref#: FMZ-188-17) 1.0 ml of 10,000-ppm Mg standard (Ref#: FMZ-183-6) 1.0 ml of 10,000-ppm Ca standard (Ref#: FMZ-183-4) Bring up to volume with deionized water. Prepare daily.	FMZ	4/23/95
CCV solution (CVS1)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMZ-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMZ-189-7) 0.2 ml of Sb (Ref#: FMZ-189-3) 0.2 ml of Sn (Ref#: FMZ-191-10) 0.2 ml of Bi (Ref#: FMZ-188-23) 0.2 ml of Ti (Ref#: FMZ-188-14) 0.2 ml of Al (Ref#: FMZ-187-4) 0.2 ml of Fe (Ref#: FMZ-188-10) Pipet 0.2 ml XCL-2 (Ref#: FMZ-183-17) into flask. Pipet 0.2 ml XCL-11 (Ref#: FMZ-183-16) into flask. Pipet 1.0 ml XCL-3A (Ref#: FMZ-190-19) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed. 0.2 mL 2N FMZ-185-14	FMZ	4/23/95
ICV1 solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMZ-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMZ-189-7) Pipet 20.0 ml ICV1 (Ref#: FMZ-191-3) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEL	4/19/95
ICV3 solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMZ-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMZ-189-7) Pipet 20.0 ml ICV3 (Ref# FMZ-187-7) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed. (20 mL ICV-2 FMZ-180-13) (20 mL ICV-4 FMZ-190-7)	PEL	4/19/95

*1.0 ml of yttrium (Ref#: FMZ-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 4-23-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
SPEXAS solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR-189-7) Pipet 0.2 ml As (Ref#: FMR-185-12) into flask. Pipet 0.2 ml Tl (Ref#: FMR-174-4) into flask Pipet 0.2 ml Pb (Ref#: FMR-182-8) into flask. Pipet 0.2 ml Se (Ref#: FMR-181-7) into flask. Pipet 0.2 ml of Sn (Ref#: FMR-190-3) into flask. Pipet 0.2 ml of Bi (Ref#: FMR-184-5) into flask. Pipet 0.2 ml of Ti (Ref#: FMR-184-6) into flask. Pipet 0.2 ml of Mo (Ref#: FMR-184-17) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	4/19/95
Intercheck solution A (ICSA)	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR-189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR-189-7) Pipet 20.0 ml ICSA (Ref#: FMR-187-6) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle.	PEC	4/19/95
Intercheck solution AB (ICSAB)	Place in a 200-ml volumetric flask: 50 ml of deionized water 1.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMR-189-4) 10 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMR-189-7) Pipet 20.0 ml ICSA (Ref#: FMR-187-6) into flask. Pipet 20.0 ml ICSB (Ref#: FMR-188-3) into flask. Bring up to volume with deionized water.	PEC	4/19/95

*1.0 ml of yttrium (Ref#: FMR-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 4-23-95

Standards/QC Preparation for ICAP

Item to be prepared	Preparation instructions*	Prepared by	Date
CRI solution	Place in a 200-ml volumetric flask: 100 ml of deionized water 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals grade, Ref#: FMC 189-4) 20 ml of 1:1 HCl (Baker instra-analyzed Trace Metals grade, Ref#: FMC 189-7) Pipet 0.20 CRDL-1 Ref#: FMC-187-14 into flask. Pipet 0.06 ml Bi 1000 standard (Ref#: FMC-188-13) into flask. Pipet 0.008 ml Sn 1000 standard (Ref#: FMC-191-5) into flask. Pipet 0.008 ml Mo 1000 standard (Ref#: FMC-189-17) into flask. Pipet NC ml Li 1000 standard (Ref#: NC) into flask. Pipet 0.004 ml Ti 1000 standard (Ref#: FMC-188-15) into flask. Pipet NC ml NC 1000 standard (Ref#: NC) into flask. Pipet NC ml NC 1000 standard (Ref#: NC) into flask. Bring up to volume with deionized water. Place solution in an acid washed Teflon bottle. Prepare as needed.	PEC	4/19/95
Dissolved Metals Only:			
LCS	Add 1.0 ml of LCSW solution (Ref#: NC) to 9.0 ml of deionized water (1% HNO_3 [Baker Instra-analyzed Trace Metals grade, Ref#: NC]+5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NC]).	NC	NC
Prep Blank	Use acidified water (1% HNO_3 [Baker Instra-analyzed Trace Metals grade, Ref#: NC]+5% HCl [Baker Instra-analyzed Trace Metals grade, Ref#: NC]).	↓	↓
Sample Spike	Add 0.1 ml of XCL-19 (Ref#: NC) to 10.0 ml of sample.		

*1.0 ml of yttrium (Ref#: FMC-190-16) / 100 ml was added to each solution as an internal standard.

Reviewed by: [signature] Date: 4-23-95

COMPUCHEM
ENVIRONMENTAL
CORPORATION

Mercury Analysis

Cold Vapor by Leeman PS200

Analyst Sandy Yee Date 4-21-95

Start Time: 15:10

SDG: 409418, 04582M, 04581M, 304089

Method: CLP / SW-846

QC: ICV-5 (0791)

gas flow: 0.3 LPM
pump rate: 5.0 ml/M

ICV: True value = 4.90ppb

CCV: True value = 3.00ppb

units: ug/L

correlation coefficient: 0.9998

standard concentrations (ug/L)
0.00
0.50
1.00
3.00
5.00
10.0

pages 1-7

Filename: V242161 .WSL

Folder: SY421B
15:10:43 21 Apr 1995 Protocol: HG2 HG2 Page 1

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Standard: 1 Rep: 1 Seq: 0 15:10:43 21 Apr 1995 HG

Hg .0000 ppb 24
Ave. Int. = 24 S. D. = 0

*** Standard: 2 Rep: 1 Seq: 1 15:13:07 21 Apr 1995 HG

Hg .5000 ppb 4076
Ave. Int. = 4076 S. D. = 0

*** Standard: 3 Rep: 1 Seq: 2 15:15:32 21 Apr 1995 HG

Hg 1.000 ppb 8184
Ave. Int. = 8184 S. D. = 0

*** Standard: 4 Rep: 1 Seq: 3 15:17:57 21 Apr 1995 HG

Hg 3.000 ppb 24453
Ave. Int. = 24453 S. D. = 0

*** Standard: 5 Rep: 1 Seq: 4 15:20:22 21 Apr 1995 HG

Hg 5.000 ppb 41040
Ave. Int. = 41040 S. D. = 0

*** Standard: 6 Rep: 1 Seq: 5 15:22:47 21 Apr 1995 HG

Hg 10.00 ppb 79143
Ave. Int. = 79143 S. D. = 0

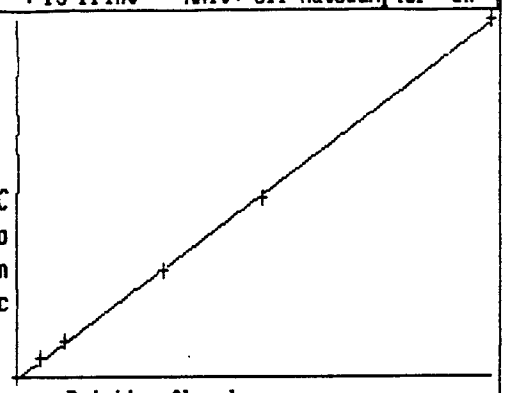
Protocol: HG2 HG2
Rev: 2.005 Time: 15:22:58 21 Apr 1995
Folder: SY4Z1B Seq: 6 Print: On
User: SYEE Batch: Id: Std6Repl Cup: Gas: 0.30 LPM
State: Idle Macro AUTOCRA 81 : F3 Print Xmit: Off Autosampler: On

CALIBRATION: Line Calibration

Line: Hg

	Conc.	Calc.	Dev.	Accepted LiNear	
S1	.0000	-.0424	-.0424	Quadratic	
S2	.5000	.4682	-.0318	WtdLinear	
S3	1.000	.9858	-.0142		C
S4	3.000	3.036	.0358	Accept	o
S5	5.000	5.126	.1258		n
S6	10.00	9.927	-.0731	StdAdd	c

A .0000000 r .999823
B 1.25003e-4 C -4.53900e-2



	Mean	%RSD	
S1	24	0	24
S2	4076	0	4076
S3	8184	0	8184
S4	24453	0	24453
S5	41040	0	41040
S6	79143	0	79143

New cal coefficients stored

Folder: SY421B Page 2

15:25:14 21 Apr 1995 Protocol: HG2 HG2

Line Conc. Units SD/RSD 1 2 3 4 5

*** Check Standard: 3 Ck3ICV Seq: 6 15:25:14 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		110.8	5.432	4.900	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 7 15:27:41 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0909	.2000	ppb	.0000

*** Check Standard: 4 Ck4CRA Seq: 8 15:30:03 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		82.32	.1646	.2000	ppb	.0000

*** Check Standard: 2 Ck2CCV Seq: 9 15:32:25 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.3	3.099	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 10 15:34:48 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0671	.2000	ppb	.0000

*** Sample ID: 701306 Seq: 11 15:37:09 21 Apr 1995 HG

12-05SS-1 1:1

Hg -.0368 ppb .0000 -.0368

*** Sample ID: 701309 Seq: 12 15:39:29 21 Apr 1995 HG

12-02SS-1 1:1

Hg .6050 ppb .0000 .6050

*** Sample ID: 705056 Seq: 13 15:41:49 21 Apr 1995 HG

PBW 1:1

Hg -.0462 ppb .0000 -.0462

*** Sample ID: LCSW703389 Seq: 14 15:44:09 21 Apr 1995 HG

LCSW 1:1

Hg 2.882 ppb .0000 2.882

*** Sample ID: 703385 Seq: 15 15:46:29 21 Apr 1995 HG

MW9 1:1

Hg -.0725 ppb .0000 -.0725

*** Sample ID: 703388 Seq: 16 15:48:49 21 Apr 1995 HG

MW9D 1:1

Hg -.0455 ppb .0000 -.0455

*** Sample ID: 703387 Seq: 17 15:51:09 21 Apr 1995 HG

MW9S 1:1

Hg .9559 ppb .0000 .9560

Folder: SY421B Page 3
15:53:29 21 Apr 1995 Protocol: HG2 HG2

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: 703386 Seq: 18 15:53:29 21 Apr 1995 HG
MW16 1:1
Hg -.0566 ppb .0000 -.0566

*** Sample ID: 703390 Seq: 19 15:55:50 21 Apr 1995 HG
MW4 1:1
Hg -.0537 ppb .0000 -.0537

*** Sample ID: 703391 Seq: 20 15:58:11 21 Apr 1995 HG
MW2 1:1
Hg -.0450 ppb .0000 -.0450

*** Check Standard: 2 Ck2CCV Seq: 21 16:00:33 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.73	2.992	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 22 16:02:55 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0720	.2000	ppb	.0000

*** Sample ID: 703392 Seq: 23 16:05:16 21 Apr 1995 HG
MW14 1:1
Hg -.0532 ppb .0000 -.0532

*** Sample ID: 703393 Seq: 24 16:07:36 21 Apr 1995 HG
MW12 1:1
Hg -.0296 ppb .0000 -.0297

*** Sample ID: 703394 Seq: 25 16:09:54 21 Apr 1995 HG
MW15 1:1
Hg -.0366 ppb .0000 -.0366

*** Sample ID: 703395 Seq: 26 16:12:12 21 Apr 1995 HG
MW18 1:1
Hg -.0513 ppb .0000 -.0513

*** Sample ID: 703396 Seq: 27 16:14:30 21 Apr 1995 HG
TBLANK2 1:1
Hg -.0444 ppb .0000 -.0444

*** Sample ID: 705055 Seq: 28 16:16:48 21 Apr 1995 HG
PBW 1:1
Hg -.0182 ppb .0000 -.0182

*** Sample ID: LCSW702291 Seq: 29 16:19:07 21 Apr 1995 HG
LCSW 1:1
Hg 2.855 ppb .0000 2.855

INORGANIC SDG 04581M

Folder: SY421B
16:21:27 21 Apr 1995 Protocol: HG2 HG2
Page 4

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 702297 Seq: 30 16:21:27 21 Apr 1995 HG
MW1 1:1
Hg -.0863 ppb .0000 -.0864

*** Sample ID: 702290 Seq: 31 16:23:46 21 Apr 1995 HG
MW1D 1:1
Hg -.0174 ppb .0000 -.0174

*** Sample ID: 702289 Seq: 32 16:26:05 21 Apr 1995 HG
MW1S 1:1
Hg .9205 ppb .0000 .9205

*** Check Standard: 2 Ck2CCV Seq: 33 16:28:26 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		96.88	2.906	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 34 16:30:48 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0782	.2000	ppb	.0000

*** Sample ID: 702281 Seq: 35 16:33:08 21 Apr 1995 HG
TRIPBLANK 1:1
Hg -.0230 ppb .0000 -.0230

*** Sample ID: 702301 Seq: 36 16:35:27 21 Apr 1995 HG
MW3 1:1
Hg -.0275 ppb .0000 -.0275

*** Sample ID: 702305 Seq: 37 16:37:45 21 Apr 1995 HG
MW5 1:1
Hg -.0368 ppb .0000 -.0368

*** Sample ID: 702310 Seq: 38 16:40:01 21 Apr 1995 HG
MW6 1:1
Hg .0059 ppb .0000 .0059

*** Sample ID: 702313 Seq: 39 16:42:17 21 Apr 1995 HG
MW7 1:1
Hg .0015 ppb .0000 .0015

*** Sample ID: 702317 Seq: 40 16:44:34 21 Apr 1995 HG
MW8 1:1
Hg -.0329 ppb .0000 -.0329

*** Sample ID: 702319 Seq: 41 16:46:52 21 Apr 1995 HG
MW10 1:1
Hg -.0066 ppb .0000 -.0066

Folder: SY421B Page 5
16:49:10 21 Apr 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 702323 Seq: 42 16:49:10 21 Apr 1995 HG
MW11 1:1
Hg -.0302 ppb .0000 -.0302

*** Sample ID: 702326 Seq: 43 16:51:28 21 Apr 1995 HG
MW13 1:1
Hg -.0136 ppb .0000 -.0137

*** Sample ID: 702329 Seq: 44 16:53:46 21 Apr 1995 HG
MW17 1:1
Hg -.0254 ppb .0000 -.0254

*** Check Standard: 2 Ck2CCV Seq: 45 16:56:06 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		97.93	2.938	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 46 16:58:29 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0639	.2000	ppb	.0000

*** Sample ID: 705054 Seq: 47 17:00:49 21 Apr 1995 HG
PBW 1:1
Hg -.0044 ppb .0000 -.0045

*** Sample ID: LCSW700981 Seq: 48 17:03:07 21 Apr 1995 HG
LCSW 1:1
Hg 3.065 ppb .0000 3.065

*** Sample ID: 701544 Seq: 49 17:05:25 21 Apr 1995 HG
MW-309R 1:1
Hg -.0778 ppb .0000 -.0778

*** Sample ID: 700980 Seq: 50 17:07:43 21 Apr 1995 HG
MW-309RD 1:1
Hg -.0363 ppb .0000 -.0363

*** Sample ID: 700979 Seq: 51 17:10:01 21 Apr 1995 HG
MW-309RS 1:1
Hg .9747 ppb .0000 .9747

*** Sample ID: 700977 Seq: 52 17:12:19 21 Apr 1995 HG
MW-B5C 1:1
Hg -.0482 ppb .0000 -.0482

*** Sample ID: 700989 Seq: 53 17:14:37 21 Apr 1995 HG
MW-B9 1:1
Hg -.0223 ppb .0000 -.0223

Folder: SY421B Page 6
17:16:55 21 Apr 1995 Protocol: HG2 HG2

Line	Conc.	Units	SD/RSD	1	2	3	4	5

*** Sample ID: 700990 Seq: 54 17:16:55 21 Apr 1995 HG
MW-B12 1:1
Hg -.0303 ppb .0000 -.0303

*** Sample ID: 701546 Seq: 55 17:19:13 21 Apr 1995 HG
MW-B2B 1:1
Hg -.0123 ppb .0000 -.0123

*** Sample ID: 701550 Seq: 56 17:21:31 21 Apr 1995 HG
MW-B4B 1:1
Hg -.0231 ppb .0000 -.0231

*** Check Standard: 2 Ck2CCV Seq: 57 17:23:51 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		99.16	2.975	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 58 17:26:13 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0865	.2000	ppb	.0000

*** Sample ID: 701552 Seq: 59 17:28:33 21 Apr 1995 HG
MW-B10B 1:1
Hg -.0246 ppb .0000 -.0246

*** Sample ID: 701554 Seq: 60 17:30:51 21 Apr 1995 HG
MWB10BDUP 1:1
Hg -.0434 ppb .0000 -.0434

*** Sample ID: 701556 Seq: 61 17:33:09 21 Apr 1995 HG
RINSEBLNK 1:1
Hg -.0118 ppb .0000 -.0118

*** Sample ID: 701558 Seq: 62 17:35:27 21 Apr 1995 HG
MW-302 1:1
Hg -.0237 ppb .0000 -.0237

*** Sample ID: 701560 Seq: 63 17:37:45 21 Apr 1995 HG
MW-310 1:1
Hg -.0300 ppb .0000 -.0300

*** Sample ID: 701563 Seq: 64 17:40:03 21 Apr 1995 HG
FILTERBLK 1:1
Hg -.0431 ppb .0000 -.0431

*** Sample ID: 123123 Seq: 65 17:42:22 21 Apr 1995 HG
INSERT 1:1
Hg -.0528 ppb .0000 -.0528

Folder: SY421B Page 7
17:44:41 21 Apr 1995 Protocol: HG2 HG2

Line Conc. Units SD/RSD 1 2 3 4 5

*** Sample ID: 123123 Seq: 66 17:44:41 21 Apr 1995 HG
INSERT 1:1
Hg -.0516 ppb .0000 -.0516

*** Sample ID: 123123 Seq: 67 17:47:00 21 Apr 1995 HG
INSERT 1:1
Hg -.0388 ppb .0000 -.0389

*** Sample ID: 123123 Seq: 68 17:49:19 21 Apr 1995 HG
INSERT 1:1
Hg -.0482 ppb .0000 -.0482

*** Check Standard: 2 Ck2CCV Seq: 69 17:51:40 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		102.1	3.063	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 70 17:54:04 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0743	.2000	ppb	.0000

*** Check Standard: 2 Ck2CCV Seq: 71 17:56:26 21 Apr 1995 HG

Line	Flag	%Rcv.	Found	True	Units	SD/RSD
Hg		103.7	3.110	3.000	ppb	.0000

*** Check Standard: 1 Ck1ICB\CCB Seq: 72 17:58:49 21 Apr 1995 HG

Line	Flag	Found	Range(+/-)	Units	SD/RSD
Hg		-.0761	.2000	ppb	.0000

Mercury Analysis Report for File SY421B.PRN Page 0

Starting Date: 04-21-1995

Time	Sam. Type	Lab ID----	Client ID----------		Dil.---	Conc/Abs	%R----	Status Flags
1510	STB	Std1Rep1			1			
1513	STD	Std2Rep1			1			
1515	STD	Std3Rep1			1			
1517	STD	Std4Rep1			1			
1520	STD	Std5Rep1			1			
1522	STD	Std6Rep1			1			
1525	ICV	Ck3ICV			1	5.432	110.86	
1527	ICB	Ck1ICB\CCB			1	-.0909		
1530	CRA	Ck4CRA			1	.1647	82.35	
1532	CCV	Ck2CCV			1	3.099	103.30	
1534	CCB	Ck1ICB\CCB			1	-.0671		
1537	SAM	701306	12-05SS-1	1:1	1	-.0368		
1539	SAM	701309	12-02SS-1	1:1	1	.6050		
1541	SAM	705056	PBW	1:1	1	-.0462		
1544	LCSW	LCSW703389	LCSF		1	2.882		R
		Comment: LCS is not required to be reported						
1546	SAM	703385	MW9	1:1	1	-.0725		
1548	SAM	703388	MW9D	1:1	1	-.0455		
1551	SAM	703387	MW9S	1:1	1	.9560		
1553	SAM	703386	MW16	1:1	1	-.0566		
1555	SAM	703390	MW4	1:1	1	-.0537		
1558	SAM	703391	MW2	1:1	1	-.0450		
1600	CCV	Ck2CCV			1	2.992	99.73	
1602	CCB	Ck1ICB\CCB			1	-.0720		
1605	SAM	703392	MW14	1:1	1	-.0532		
1607	SAM	703393	MW12	1:1	1	-.0297		
1609	SAM	703394	MW15	1:1	1	-.0366		
1612	SAM	703395	MW18	1:1	1	-.0513		
1614	SAM	703396	TBLANK2	1:1	1	-.0444		
1616	SAM	705055	PBW	1:1	1	-.0182		
1619	LCSW	LCSW702291	LCSF		1	2.855		R
		Comment: LCS is not required to be reported						
1621	SAM	702297	MW1	1:1	1	-.0864		
1623	SAM	702290	MW1D	1:1	1	-.0174		
1626	SAM	702289	MW1S	1:1	1	.9205		
1628	CCV	Ck2CCV			1	2.906	96.87	
1630	CCB	Ck1ICB\CCB			1	-.0782		
1633	SAM	702281	TRIPBLANK	1:1	1	-.0230		
1635	SAM	702301	MW3	1:1	1	-.0275		
1637	SAM	702305	MW5	1:1	1	-.0368		
1640	SAM	702310	MW6	1:1	1	.0059		
1642	SAM	702313	MW7	1:1	1	.0015		
1644	SAM	702317	MW8	1:1	1	-.0329		
1646	SAM	702319	MW10	1:1	1	-.0066		
1649	SAM	702323	MW11	1:1	1	-.0302		
1651	SAM	702326	MW13	1:1	1	-.0137		
1653	SAM	702329	MW17	1:1	1	-.0254		
1656	CCV	Ck2CCV			1	2.938	97.93	
1658	CCB	Ck1ICB\CCB			1	-.0639		
1700	SAM	705054	PBW	1:1	1	-.0045		
1703	LCSW	LCSW700981	LCSF		1	3.065		R
		Comment: LCS is not required to be reported						
1705	SAM	701544	MW-309R	1:1	1	-.0778		

Mercury Analysis Report for File SY421B.PRN Page 0

Starting Date: 04-21-1995

Time	Sam. Type	Lab ID----	Client ID----------		Dil.---	Conc/Abs	%R----	Status Flags
1707	SAM	700980	MW-309RD	1:1	1	-.0363		
1710	SAM	700979	MW-309RS	1:1	1	.9747		
1712	SAM	700977	MW-B5C	1:1	1	-.0482		
1714	SAM	700989	MW-B9	1:1	1	-.0223		
1716	SAM	700990	MW-B12	1:1	1	-.0303		
1719	SAM	701546	MW-B2B	1:1	1	-.0123		
1721	SAM	701550	MW-B4B	1:1	1	-.0231		
1723	CCV	Ck2CCV			1	2.975	99.17	
1726	CCB	Ck1ICB\CCB			1	-.0865		
1728	SAM	701552	MW-B10B	1:1	1	-.0246		
1730	SAM	701554	MWB10BDUP	1:1	1	-.0434		
1733	SAM	701556	RINSEBLNK	1:1	1	-.0118		
1735	SAM	701558	MW-302	1:1	1	-.0237		
1737	SAM	701560	MW-310	1:1	1	-.0300		
1740	SAM	701563	FILTERBLK	1:1	1	-.0431		
1742	SAM	123123	INSERT	1:1	1	-.0528		R
		Comment: INSERT not used						
1744	SAM	123123	INSERT	1:1	1	-.0516		R
		Comment: INSERT not used						
1747	SAM	123123	INSERT	1:1	1	-.0389		R
		Comment: INSERT not used						
1749	SAM	123123	INSERT	1:1	1	-.0482		R
		Comment: INSERT not used						
1751	CCV	Ck2CCV			1	3.063	102.10	
1754	CCB	Ck1ICB\CCB			1	-.0743		
1756	CCV	Ck2CCV			1	3.110	103.67	
1758	CCB	Ck1ICB\CCB			1	-.0761		

Status Codes:

B = Blank Failure
L = LCS Failure
O = Order of Samples Wrong
Q = ICV/CCV Failure
R = Rejected by Analyst
T = 2 Hr. CCV Time Exceeded
U = Times Between Samples and CCV Are Not Uniform
* = Sample Not Considered in Run
@ = Sample After Specified End of Run
) = Result Exceeds Linear Range
% = 10% Rule Violation
^ = Preceding QC Failed or not present
v = Following QC Failed of Not Present

Automated Mercury Runlog

Page 1 of 2

Date: 4-21-95

Method (Circle one.):
CLP
SW-846

Operator Sandy Yee
Case Name: 404418, 04552M, 04581M 304089
File Name:

No.	Sample ID	Comments	Time	#	Sample ID	Comments	Time
	ICV			1	703392		
	ICB			2	703393		
1	CRA			3	703394		
2				4	703395		
3				5	703396		
4				6	705055	PBW	
5				7	702291	LCSW	
6				8	702297		
7				9	702290	Dup	
8				10	702289	spk	
9					CCV		
10		Jun 4-22-95			CCB		
	CCV			1	702281		
	CCB			2	702301		
1	701306			3	702305		
2	701304			4	702310		
3	705056	PBW		5	702313		
4	703389	LCSW		6	702317		
5	703385			7	702319		
6	703388	Dup		8	702323		
7	703387	spk		9	702326		
8	703386			10	702329		
9	703390				CCV		
10	703391				CCB		
	CCV						
	CCB						

Reviewed By: [signature]
Date: 4/27/95

Automated Mercury Runlog

Page 2 of 2

Date: 4-21-95

Method (Circle one.):
CLP
SW-846

Operator Sandy Yee
Case Name: Same
File Name: ↓

No.	Sample ID	Comments	Time	#	Sample ID	Comments	Time
	ICV			1			
	ICB	Sa 4-21-95		2			
1	705054	PBW		3			
2	700981	LCSW		4			
3	701544			5			
4	700980	Dup		6			
5	700979	SpK		7			
6	700977			8			
7	700989			9			
8	700990			10		Sa 4-21-95	
9	701546				CCV		
10	701550				CCB		
	CCV			1			
	CCB			2			
1	701552			3			
2	701554			4			
3	701556			5			
4	701558			6		Sa 4-21-95	
5	701560			7			
6	701563			8			
7	123123			9			
8	123123			10			
9	123123				CCV		
10	123123				CCB		
	CCV						
	CCB						

Reviewed By: [signature]
Date: 4/22/95

Standards / QC Preparation Log for Cold Vapor Mercury

Item to be prepared	Preparation instructions	Prepared by	Date
Hg Stock Solution (10 ppm)	Place the following in a 100-ml volumetric flask: • 1.0 ml of Hg *PLHG4-2X (Ref. #: 7M2-180-5) • 5.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade Ref., #: 7M2-189-4) Dilute to 100 ml with deionized water. Prepare as needed.	MWC	4-5-95
Hg standard solution (100 ppb)	Place the following in a 100-ml volumetric flask: • 1.0 ml of 10-ppm Hg stock solution • 5.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade Ref., #: 7M2-~~180-5~~) 189-4 544-21-95 Dilute to 100 ml with deionized water. Prepare as needed.	PK	4-21-95
5% Potassium permanganate solution	Place into a 1000-ml Erlenmeyer flask: • 50.0 g of $KMnO_4$ (Baker Analyzed, Ref#: 7M2-171-4) Dilute to 1000 ml with deionized water. Transfer to a 2500-ml amber bottle. Prepare as needed.	PK	4-21-95
5% Potassium persulfate solution	Place into a 1000-ml Erlenmeyer flask: • 50.0 g of $K_2S_2O_8$ (Baker Analyzed, Ref#: 7M2-171-10 Dilute to 1000-ml with deionized water. Transfer to 1250-ml amber bottle. Prepare as needed.	LL	4-18-95
Hydroxylamine hydrochloride	Place into a 1000-ml volumetric flask: • 240.0 g of NH_2OH-HCl (Baker Analyzed, Ref#: 7M2-190-05 Dilute to 1000 ml with deionized water. Place solution in a bottle. Prepare as needed. (This can be prepared at 500 ml using 120.0 g of NH_2OH-HCl.)	SY	4-21-95

*SPEX concentration: 1000 ppm

Reviewed by: [signature] Date: 4/21/95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 2 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
Stannous chloride	**Automated** Place in a 250-ml fleaker: • 25.0 g of $SnCl_2$-$2H_2O$ (Baker Analyzed, Ref#: 7M2-159-8) • 62.5 ml of HCl (Baker Analyzed, Ref#: 7M2-189-7) Dilute to 250 ml with deionized water. Prepare as needed. **Manual** Place in a 250-ml fleaker: • 50.0 g of $SnCl_2$-$2H_2O$ (Baker Analyzed, Ref#: _____) • 50.0 ml of HCl (Baker Analyzed, Ref#: _____) Dilute to 500 ml with deionized water. Prepare as needed. SY 4-21-95	SY	4-21-95
Standard (0, 0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 250-ml fleakers: • 0, 0.5, 1.0, 3.0, 5.0, 10.0 ml of Hg standard solution. Dilute each fleaker to 100 ml with deionized water. Add: • 5.0 ml of H_2SO_4 (Baker Analyzed, Ref#: 7M2-190-6). • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-189-4). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution. All standards are digested with samples and recorded on the appropriate logs submitted with this data. Prepare with each batch of samples.	DK	4-20-95
LCS (water)	Place in a 250-ml fleaker: • 3.0 ml of 100-ppb Hg standard solution • 100 ml of deionized water • 5.0 ml of H_2SO_4 7M2-190-6 • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2-189-4). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Prepare with each batch of samples.	See preparation worksheet.	Page: 3729 3730-3731 3741 3740 3739

Reviewed by: [signature] Date: 4/21/95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 3 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
LCS (soil)	Place in a 250-ml fleaker: • 0.2 g of EPA Reference Material Solid LCS (0827) (Ref#: 7N2-184-8) • 5.0 ml of H_2SO_4 7N2-190-6 • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7N2-189-4). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Add 50 ml of deionized water. Prepare with each batch of samples.	See preparation worksheet.	Page: 3734 3736-3738
Sample Spike (water)	Place in a 250-ml fleaker: • 1.0 ml of 100-ppb Hg standard solution • 100 ml of sample • 5.0 ml of H_2SO_4 7N2-190-6 • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7N2-189-4). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Prepare with each batch of samples.	See preparation worksheet.	Page: 3729-3731 3739-3741
Sample spike (soil)	Place in a 250-ml fleaker: • 1.0 ml of 100-ppb Hg standard solution • 0.2 g of sample • 5.0 ml of H_2SO_4 7N2-190-6 • 2.5 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7N2-189-4). • 15 ml of $KMnO_4$ solution and 8 ml of $K_2S_2O_8$ solution Add 50 ml of deionized water. Prepare with each batch of samples.	See preparation worksheet.	Page: 3734 3736-3738
ICV-5 Solution	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7N2-187-16). Add to flask: • 1.0 ml of ICV-5 (Ref#: 7N2-182-17) Bring up to volume with deionized water.	MWC	4-13-95

Reviewed by: [signature] Date: 4/21/95

Standards / QC Preparation Log for Cold Vapor Mercury (Page 4 of 4)

Item to be prepared	Preparation instructions	Prepared by	Date
CRA Solution	Place in a 100-ml volumetric flask: • 50 ml of deionized water • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: 7M2 - 189-4). Add to flask: • 0.2 ml of 100-ppb Hg standard solution Bring up to volume with deionized water.	SI	4-21-95
Dissolved standard (0, 0.5, 1.0, 3.0, 5.0, 10.0)	Pipet into 100-ml volumetric flask: • 0, 0.5, 1.0, 3.0, 5.0, 10.0 of Hg standard solution Dilute each flask to 100 ml with deionized Add: • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA
Dissolved LCS (water)	Pipet into 100-ml volumetric flask: • 3.0 ml of 100-ppb Hg standard solution Add deionized water to volume. Add sample to volume • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA
Dissolved Sample Spike (water)	Pipet into 100-ml volumetric flask: • 1.0 ml of 100-ppb Hg standard solution Add deionized water to volume. Add sample to volume • 2.0 ml of concentrated HNO_3 (Baker Instra-analyzed Trace Metals Grade, Ref#: NA).	NA	NA

Reviewed by: [signature] **Date:** 4/21/95

Metals Preparation Log

Method (circle one): CLP SW-846: 3005 (dissolved) 3050 Case type: RAT SDG ID: 04581M Procedure code: 62 Prepared by: Lynn Leathers Date: 4.21.95

#	CCN (Lab ID)	Date Rec'd	Customer ID	Initial Plasma (wt/vol)	Final Plasma (vol)	Initial Furnace (wt/vol)	Final Furnace (vol)	Description Before	Description After	pH	Dilution Factor
1	702281	4.13.95	TRIPBLANK	100ml	100ml	N/A	N/A	colorless clear	colorless clear	62	N/A
2	702297	↓	MW1	↓	↓	↓	↓	↓	↓	↓	↓
3	702301		MW3					Brown cloudy			
4	702305		MW5					colorless clear			
5	702310		MW6	↓	↓			↓			
6	702313		MW7	50.0ml	50.0ml			Brown cloudy			
7	702317		MW8	100ml	100ml			colorless clear			
8	702319		MW10								
9	702323		MW11								
10	702326	✓ 4.14.95	MW13								
11	702329	4.13.95	MW17	↓	↓	↓	↓	↓	↓	↓	↓
12											
13											
14											
15											
16											
17											
18											
19											
20											
21	Sample spike: 702289	QC F Ref#: N/A		100ml	100ml	N/A	N/A	Ref CCN: (702297)	QC SS P 1.00ml XCL-19 → 100ml Ref#: 7M2-181-4		
22	Duplicate sample: 702290			↓	↓	↓	↓	Ref CCN: (702297)			
23	Lab ctrl. sample: 702291	QC F Ref#:		↓	↓	↓	↓	Reviewed by/date: 4-4-95	QC CS P 10.00ml PB-PURE → 100ml Ref#: 7M2-190-13		
24	Prep. blank: 705055										

Lynn Leathers 4.21.95

Mercury Preparation Log

Method (circle one) CLP 245.1/2 SW-846: 7470/7471 Case type: PCAT SDG ID: 04581M Procedure code: -74 Prepared by: Lynn Leathers Date: 4.21.95

#	CCN (Lab ID)	Date Rec'd	Customer ID	Initial Wt./Vol.	Final Vol.	Description Before	Description After	pH	Dilution Factor	Standard Curve
1	702281	4.13.95	TRIPBLANK	100ml	100ml	Colorless clear	Violet	<2	N/A	0 ml 100 ppb Hg to 100 ml
2	702297	↓	MW1	↓	↓	↓	↓	↓	↓	0.5 ml 100 ppb Hg to 100 ml
3	702301	↓	MW3	↓	↓	Beige cloudy	↓	↓	↓	1.0 ml 100 ppb Hg to 100 ml
4	702305	↓	MW5	↓	↓	Colorless clear	↓	↓	↓	3.0 ml 100 ppb Hg to 100 ml
5	702310	↓	MW6	↓	↓	↓	↓	↓	↓	5.0 ml 100 ppb Hg to 100 ml
6	702313	↓	MW7	50.0ml	50.0ml	Beige cloudy	↓	↓	↓	10.0 ml 100 ppb Hg to 100 ml
7	702317	↓	MW8	100ml	100ml	Colorless clear	↓	↓	↓	The standards listed above were prepared in the same manner and at the same time as the associated samples.
8	702319	↓	MW10	↓	↓	↓	↓	↓	↓	
9	702323	↓	MW11	↓	↓	↓	↓	↓	↓	
10	702326	↓	MW13	↓	↓	↓	↓	↓	↓	
11	702329	↓	MW17	↓	↓	↓	↓	↓	↓	
12										
13										
14										
15										
16										
17										
18										
19										
20										
21	702289	—	Sample spike	100ml	100ml	Ref CCN: (702297)				
22	702290	↓	Duplicate spike	↓	↓	Ref CCN: (702297)				
23	702291	4.21.95	Lab ctrl. sample	↓	↓	Reviewed by/date:				
24	705055	—	Prep. blank	↓	↓	Sandy Lyle 4-21-95				

Lynn Leathers 4.21.95

QC (SS): 100ml 100ppb Hg -> 100ml
Ref#: 7M2-180-5
QC (LCS): 3.00ml 100ppb Hg -> 100ml
Ref#: 7M2-180-5

INORGANIC SDG 04581M

CHAIN OF CUSTODY RECORD

30458

SDG-1

Laboratory: CompuChem Environmental Corp. 3308 Chapel Hill / Nelson Hwy. Research Triangle Park, NC 27709-4998 (919) 406-1600 FAX (919) 406-1686

Client: Watauga County, NC
Attn: Mr. Jim Ratchford
Address: P.O. Box 143
Boone, NC 28607
Phone: (704) 265-8003 Fax:(704) 265-8003

Consultant: Draper Aden Assoc.
Attn: Janet M. Cleary
2206 South Main Street
Blacksburg, Virginia 24060
Phone: (703) 552-0444 Fax: (703) 552-0291

Sample Site: Watauga County Landfill
Location: Watauga County, NC
Event: 4th Assessment Monitoring
JN: 6520-20 Lab JN:

Project Specific (PS) or Batch (B) QC: PS
Sampling for Project Complete? _X_ Yes ___ No (See Note 1)
Carrier: Federal Express
Tracking No.: HYKA-107

Box 1: Matrix
SW. Surface Water; GW. Groundwater; L. Leachate; S. Soil; T. Trip Blank; E. Equipment Blank; P. Product; O. Other

Box 2: Preservative
A. HCl; B. HNO_3; C. H_2SO_4; D. $Na_2S_2O_3$; E. NaOH; F. ZnAc; G. Other (specify); H. None

Box 3: Filtered/Unfiltered
F. Filtered; U. Unfiltered

Box 4: Sample Type
C. Composite; G. Grab

Copy to Consultant: _X_ Yes ___ No
Bill: _X_ Client ___ Consultant
Preserved and shipped on ice: _X_ Yes ___ No

Sample I.D.	Date 19 95	Time	Box 1 Matrix	Box 2 Preservative	Box 3 Filtered/Unfiltered	Box 4 Sample Type	pH	Use as Lab QC (MS/MSD/SD)	Total No. of Bottles	CLP VOLATILES	CLP TOTAL METALS											Special Instructions/Comments
										Analytical Method (Assessment)												SEE ATTACHED PARAMETER LISTS ** TOTAL METALS - PRESERVATIVE: NITRIC ACID VOLATILES - PRESERVATIVE: HCl Note to Kathy Dover: Hold analyses for receipt of SDG-2 being shipped on 4-13-95.
MW 1	4/11	1320	GW	**	U	G	<2		3	2	1											
MW1 MS	4/11	1320	GW	**	U	G	<2	X	1	1												
MW1 MSD	4/11	1320	GW	**	U	G	<2	X	1	1												
MW1 MS/SD	4/11	1320	GW	**	U	G	<2	X	1		1											
MW6	4/11	1445	GW	**	U	G	<2		3	2	1											
MW3	4/11	1600	GW	**	U	G	<2		3	2	1											
MW13	4/11	1710	GW	**	U	G	<2		3	2	1											
MW11	4/11	1750	GW	**	U	G	<2		3	2	1											
MW5	4/11	1900	GW	**	U	G	<2		3	2	1											

Client's Special Instructions: TOTAL CLP VOA LIST + DICHLORODIFLUOROMETHANE + TIC ANALYSIS; CLP TOTAL METALS; Ba, Cd, Fe, Hg (TOTALS ONLY)

Lab: Received in Good Condition? ✓ Yes ___ No Custody Seal Intact? ✓ Yes ___ No Temp. on arrival 6 Received on Ice _____ Describe problems, if any: bag ice all melted

Sampler Name (print): JEFF S. PACK	Date: 4-12-95	#1 Relinquished By (Sig.): [signature]	Date: 4-12-95	#2 Relinquished By (Sig.):	Date:	Sample Storage Time Requested:
Sampler Signature: [signature]	Time: 1400	Company Name: Draper Aden Associates	Time: 1400	Company Name:	Time:	
Sampler Name (print): ERIK RUDIN	Date: 4-12-95	#1 Received By (Sig.): [signature]	Date: 4/12/95	#2 Received By (Sig.): Joan Purdie	Date: 4-13-95	60 (No. Days)
Sampler Signature: [signature]	Time: 1400	Company Name: Watauga County	Time: 1400	Company Name: CompuChem	Time: 0900	

Note (1): If "No" lab to hold samples to await remainder of project maximizing batch size and minimizing QC ratio. If "Yes", lab to begin processing.
Note: Always mail invoice and results to consultant.

INORGANIC SDG 04581M

CHAIN OF CUSTODY RECORD

30458

SDG-1

Laboratory: CompuChem Environmental Corp. 3308 Chapel Hill / Nelson Hwy. Research Triangle Park, NC 27709-4998 (919) 406-1600 FAX (919) 406-1686

Client: Watauga County, NC
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Address: P.O. Box 143
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Phone: (704) 265-8003 Fax:(704) 265-8003

Consultant: Draper Aden Assoc.
Attn: Janet M. Cleary
2206 South Main Street
Blacksburg, Virginia 24060
Phone: (703) 552-0444 Fax: (703) 552-0291

Sample Site: Watauga County Landfill
Location: Watauga County, NC
Event: 4th Assessment Monitoring
JN: 6520-20 Lab JN:

Project Specific (PS) or Batch (B) QC: PS
Sampling for Project Complete? _X_ Yes ___ No (See Note 1)
Carrier: Federal Express
Tracking No.: HYKA-107

Box 1: Matrix
SW. Surface Water
GW. Groundwater
L. Leachate
S. Soil
T. Trip Blank
E. Equipment Blank
P. Product
O. Other

Box 2: Preservative
A. HCl
B. HNO_3
C. H_2SO_4
D. $Na_2S_2O_3$
E. NaOH
F. ZnAc
G. Other (specify).
H. None

Box 3: Filtered/Unfiltered
F. Filtered
U. Unfiltered

Box 4: Sample Type
C. Composite
G. Grab

Copy to Consultant: _X_ Yes ___ No
Bill: _X_ Client ___ Consultant
Preserved and shipped on ice: _X_ Yes ___ No

Sample I.D.	Date 19 95	Time	Box 1 Matrix	Box 2 Preservative	Box 3 Filtered/Unfiltered	Box 4 Sample Type	pH	Use as Lab QC (MS/MSD/SD)	Total No. of Bottles	CLP VOLATILES	CLP TOTAL METALS	Special Instructions/Comments
MW 17	4/12	0905	GW	**	U	G	<2		3	2	1	SEE ATTACHED PARAMETER LISTS
MW 10	4/12	0935	GW	**	U	G	<2		3	2	1	** TOTAL METALS - PRESERVATIVE: NITRIC ACID
MW 8	4/12	1015	GW	**	U	G	<2		3	2	1	VOLATILES - PRESERVATIVE: HCl
MW 7	4/12	1030	GW	**	U	G	<2		3	2	1	Note to Kathy Dover: Hold analyses for receipt of SDG-2 being shipped on 4-13-95
TRIP BLANK 1	4/11	0800	T	**	U	G	<2		2	2		4-13-95 125 ml of water in metals bottle partially filled; little water available.
TRIP BLANK 1	4/11	0800	T	**	U	G	<2		1		1	
				**	U	G	<2					
				**	U	G	<2					
				**	U	G	<2					

Analytical Method (Assessment)

Client's Special Instructions: TOTAL CLP VOA LIST + DICHLORODIFLUOROMETHANE + TIC ANALYSIS; CLP TOTAL METALS; Ba, Cd, Fe, Hg (TOTALS ONLY)

Lab: Received in Good Condition? ✓ Yes ___ No Custody Seal Intact? ✓ Yes ___ No Temp. on arrival 6 Received on Ice ___ Describe problems, if any: bag ice all melted

Sampler Name (print): JEFF S. PACK	Date: 4-12-95	#1 Relinquished By (Sig.): [signature]	Date: 4-12-95	#2 Relinquished By (Sig.):	Date:	Sample Storage Time Requested:
Sampler Signature: [signature]	Time: 1400	Company Name: Draper Aden Associates	Time: 1400	Company Name:	Time:	
Sampler Name (print): ERIC RYDEN	Date: 4-12-95	#1 Received By (Sig.): [signature]	Date: 4-12-95	#2 Received By (Sig.): [signature]	Date: 4-13-95	60 (No. Days)
Sampler Signature: [signature]	Time: 1400	Company Name Watauga Co.	Time: 1400	Company Name CompuChem	Time: 0900	

Note (1): If "No" lab to hold samples to await remainder of project maximizing batch size and minimizing QC ratio. If "Yes" lab to begin processing.
Note: Always mail invoice and results to consultant.

END OF REPORT