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XCG

EXCELLENCE IN ENVIRONMENTAL CONSULTING SERVICES

XCG File #3-1519-01-01

July 29, 2002

FINAL
SUPPLEMENTAL OFF-SITE SURFICIAL SOIL INVESTIGATION
RESIDENTIAL PROPERTIES NEAR
3241 WALDEN AVENUE
DEPEW, NEW YORK

Prepared for:

NL INDUSTRIES INC.
C/O MR. TERRY CASEY
EFFICASEY ENVIRONMENTAL, LLC
14015 PARK DRIVE, SUITE 109
TOMBALL, TEXAS

XCG Consultants Ltd.
Suite 300
2620 Bristol Circle
Oakville, ON
Canada
L6H 6Z7
Tel: (905) 829-8880
Fax: (905) 829-8890
E-mail:
Toronto@xcg.com

New York State Department of Environmental Conservation
Division of Environmental Remediation, Region 9
270 Michigan Avenue, Buffalo, New York, 14203-2999
Phone: (716) 851-7220 FAX: (716) 851-7226

Erin M Crotty
Commissioner

Former N L Industries
3241 Walden Avenue
Depew, New York 14043
April 2002

BACKGROUND

This site had been used for foundry operations from 1893 to 1972. National Lead Industries acquired the property in 1936 and continued operation until 1972 during which time the name of the facility was changed to N.L. Industries. The Former N. L. Industries activities consisted of brass foundry operations. As a result of operations, slag and foundry sand in water were placed in a former lagoon at the south central portion of the site. The lagoon water was subsequently recirculated for reuse.

N.L. Industries sold the property in 1974 and it has since been operated as a paper recycling facility. Between 1974 and 1997, paper fiber recycling activities were conducted by several different companies. Norampac Industries Inc. acquired the property in 1997 and continues to operate the facility under the name of Metro Waste Paper Recovery, U.S., Inc.

SETTING

This site is located at 3241 Walden Avenue, on the south side of the road, approximately 350 feet west of Transit Road. It is located in a mixed commercial/industrial and residential area. Commercial/ industrial properties adjoin the east and west sides of the site. Residential/commercial properties are predominantly located across Walden Avenue, to the north. A New York Central Railway line boarders the south property line. Public water is available.

The property is approximately 7.5 acres in area, of which approximately half is developed. This developed area consists of one main building on the east end of the property, an adjacent rail siding to the south, a gravel covered trucking yard to the west of the building, and an asphalt paved parking area at the extreme east side of the property. The trucking yard contains a garage and truck weigh station at the north end, and is surrounded by a chain-link fence. The vacant portion of the site to the west of the trucking yard consists of two distinct areas. The central portion of the property extends from the chain-link fence to the west of a wooded area, is essentially barren, and is the site of a former lagoon and marsh area. The west portion of the property extends from the wooded area to the west property line. This area is also vacant, with some parked vehicles and heavy equipment from the adjacent neighbor to the west, and contains some vegetation.

The site is relatively flat while the general surrounding area slopes toward the south. Groundwater at the site generally flows toward the northwest. Fill material throughout the property consists of varying materials (silty sand, sandy silt, sand and gravel, silty clay, and construction debris) much of which has been mixed with waste containing heavy metals. Fill material is found at an approximate depth of 2 to 6 feet below ground surface.

INVESTIGATIONS

A number of environmental investigations have already been conducted by XCG, Consultants Ltd. for Norampac, Inc.

- Draft Report, Limited Phase 2 Environmental Site Assessment, dated February 10, 1998.
- Draft Report, Additional Phase 2 Environmental Site Assessment, dated May 18, 1998.
- Draft Report, Limited Phase 1 Environmental Site Assessment, dated May 31, 1999.
- Remedial Investigation/Feasibility Study, dated July 2001.
- Off-site surficial Soil Sampling Report, dated December 2001

FIELD WORK COMPLETED

Norampac has voluntarily conducted a number of field activities at the site. To date the following field work has been performed:

- A background search of the site;
- Installation of boreholes to sample soils/fill at depth;
- Collection of surface soil samples;
- Installation of seven monitoring wells;
- Sampling of the groundwater monitoring wells;
- Determination of groundwater flow direction;
- Off-site sediment sampling at Scajaquada Creek;
- Interim Remedial Measure to place soil cover and fencing over central portion of site;
- Off-site surficial soil sampling.

Environmental assessments to date indicate that elevated concentrations of select metals, including lead, copper and zinc were detected in the fill materials over a majority of the site. Metal levels at the site exceed NYSDEC's TAGM 4046 Cleanup Objectives, or Eastern USA/New York State Background Values for metals. A high value for lead was noted at 86,000 ppm. (attached table) TCLP analysis indicated that the fill material in some areas is hazardous, according to 6NYCRR Part 371 (exceeding 5 mg/L). The highest value noted for TCLP lead was 89 ppm. (attached table & written section) Findings to date, indicate that VOC's and PAH's are not of concern at this site.

Off-site soils have been impacted. Sampling to the north and northeast of the site indicate lead in surface soils at a high of 5,300 ppm. Additional off-site soil sampling is scheduled and a remedial action plan will be developed.

An IRM and RI/FS was executed in October 1999 between Norampac, Inc. and the DEC. The FS needs to be finalized and off-site sampling and remediation is necessary.

XCG

EXCELLENCE IN ENVIRONMENTAL CONSULTING SERVICES

XCG File #3-1519-01-01

July 29, 2002

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TOMBALL, TEXAS

for Richard J. Rush, M.A.Sc., P.Eng., CEA
Partner

Basil Wong, M.Eng., P.Eng.
Senior Project Manager

XCG Consultants Ltd.
Suite 300
2620 Bristol Circle
Oakville, ON
Canada
L6H 6Z7
Tel: (905) 829-8880
Fax: (905) 829-8890
E-mail:
Toronto@xcg.com

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APPENDICES

1. INTRODUCTION

1.1 Project Background

In May 2002, XCG Consultants Ltd. (XCG) was retained by Efficasey Environmental, LLC, on behalf of NL Industries Inc. (NL), to carry out a supplemental round of off-site soil sampling (both surficial, and at depth) at selected residential properties located near 3241 Walden Avenue in Depew, New York (referred to as the on-site property in this report). An off-site surficial soil sampling study was carried out by XCG in August 2001. The results of this previous study are summarized in XCG's report entitled "Off-Site Surficial Soil Investigation, Residential Properties Near 3241 Walden Avenue, Depew, New York," dated December 21, 2001.

Prior to the 2001 off-site investigation, XCG conducted limited sampling at off-site locations, in addition to the various subsurface studies performed on the on-site property. These individual investigations were performed between October 1998 and August 2000, and were summarized in a draft report entitled "Remedial Investigation/Feasibility Study, Former NL Industries Site, 3241 Walden Avenue, Depew, New York," dated July 5, 2001. These investigations identified the presence of elevated levels of metals, such as lead, in the fill soils throughout the 3241 Walden Avenue property. In addition, elevated metals were detected at select off-site locations, including some residential properties on the north side of Walden Avenue. As a result, the 2001 off-site investigation was carried out on additional residential properties to the north of the on-site property.

The current supplemental off-site investigation was conducted to determine the extent of metals impacts on the nearby residential properties. XCG conducted this investigation with input and guidance from the New York State Department of Environmental Conservation (NYSDEC) and the New York State Department of Health (DOH).

1.2 Objectives and Scope of Work

The objective of the current supplementary study was to delineate the lateral and vertical extent of lead-impacted areas, at the nearby residential properties to the north of the on-site property. The majority of the sampling was conducted at properties that have not been previously investigated. The sampling program consisted of:

- Collecting 94 soil samples at 47 locations from 21 properties, for laboratory analyses of metals analyzed with the inductively coupled argon plasma (ICAP) method. At each location, a sample was collected at surface (0 to 2 inches) and

at depth (6 to 8 inches) for vertical delineation. The residential properties investigated are situated on Walden Avenue, West First Street, West Second Street, West Third Street, and Bostwick Place (see Figure 1);

- Submitting an additional 9 blind duplicate soil samples (approximately 10% of original samples) for laboratory analyses of ICAP metals for quality assurance/quality control (QA/QC) purposes; and,
- Preparing a report summarizing the soil conditions at the investigated locations on the neighbouring properties.

2. SITE DESCRIPTION

2.1 Site Background

The on-site property is located at 3241 Walden Avenue in Depew, New York, a suburb to the east of Buffalo. The property is situated on the south side of Walden Avenue, approximately 584.42 feet (178.1 metres) west of the centre line of Transit Road. The location of the on-site property and nearby surrounding lands is shown on Figure 1. The property is legally described as Part of Lot 68, Township 11, Range 7 of the Holland Land Company's Survey in the Village of Depew, Town of Cheektowaga, County of Erie. The site is located in a mixed commercial/industrial and residential area. Commercial/industrial properties adjoin the east and west sides of the on-site property. Residential properties are predominantly located across the street, on the north side of Walden Avenue. There are also some commercial establishments on the north side of Walden Avenue (e.g. restaurant, medical clinic). Details of the investigated areas to the north of the on-site property are presented in Figures 2 and 3.

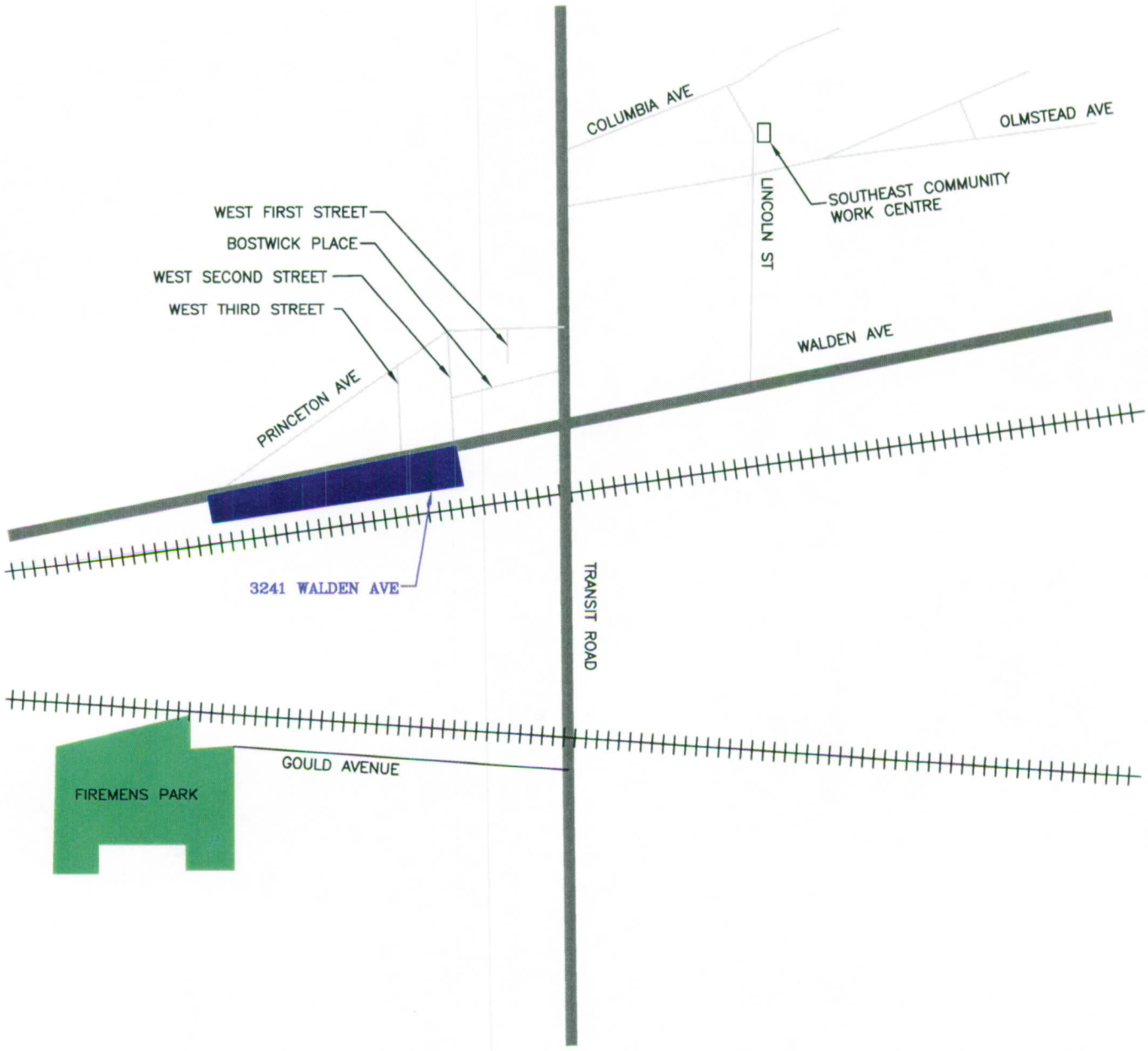
The on-site property is approximately 7.5 acres (3.04 hectares) in size, of which approximately half is developed. There is one main building located on the east side of the on-site property and a small garage situated to the west of the building, at the north property line. Truck loading and unloading operations and trailer parking are conducted on the west side of the plant building. This area is surfaced with gravel and is surrounded by a chain-link fence. The area to the west of the trucking area is undeveloped and approximately half of it is also enclosed by a chain link fence. The east side of the site is paved with asphalt and is used for employee parking.

As noted previously, several investigations were conducted on the on-site property, as well as limited testing on off-site lands (prior to the 2001 off-site investigation). The findings of these investigations are provided in the aforementioned draft RI/FS report. In brief, historical on-site operations have impacted a majority of the surficial soils on the on-site property with metals. In addition to the on-site property, concentrations of lead exceeding the TAGM 4046 Background Values were detected in soil samples collected from the grassed portions of the road allowance (June 1999) and in three residential properties on the north side of Walden Avenue (May and August 2000).

Based on the results on the limited sampling, an off-site surficial soil sampling study was carried out by XCG in August 2001. The findings of this study are summarized in the above-noted December 2001 report. In summary, the analytical data identified elevated levels of metals, and lead in particular, exist at eight nearby off-site residential properties. The concentrations of lead that exceeded the TAGM

4046 Background Values appeared to be present primarily along the north side of Walden Avenue, moving towards the east to northeast from the approximate center of the 3241 Walden Avenue property. The exceptions were at the two properties on West Second Street (i.e. towards the northeast). Soil samples collected to the north of the western half of the on-site property (i.e. road allowance and Princeton Avenue) contained lead concentrations below the TAGM 4046 Background Value.

The locations and lead concentrations of the previous off-site samples, located across the eastern half of the on-site property, are shown on Figure 2. Lead concentrations exceeding 400 ppm are shown in red with an underscore, while the concentrations below the criteria are presented in magenta. The samples collected across the western half of the on-site property contained lead concentrations below the applicable criteria, and are therefore, not shown on Figure 2 (in order to show the eastern portion on a larger scale). Figure 3 shows all the off-site sampled areas without the details, but indicates areas with lead concentrations less than and greater than 400 ppm, using two different colored hatching. The samples collected within the road allowance in June 1999 were labelled as JAR2 to JAR12, while the residential samples collected in May and August 2000 were identified as OS00-1 to OS00-3. The off-site samples labelled as OS01-1 to OS01-25 were collected in August 2001. The lead concentrations from the current supplemental investigation are also shown on Figure 2. It should be noted that Figures 2 and 3 were based on a tax map obtained from the Erie County municipal office and that the residential property boundaries are only approximate using field observations. A legal survey was not conducted to define the exact limits of each residential property.



(NOT TO SCALE)

SITE LOCATION MAP

3241 WALDEN AVE.
DEPEW, NEW YORK

XCG CONSULTANTS LTD.

DATE	JOB NO.	FIGURE NO.
JUNE 2002	3-1519-01-01	1

DRAWING REFERENCE: Drawing based on street map
NOTE: Locations of buildings, underground utilities, etc. are for reference only and should not be relied upon for detail design, excavation, or construction purposes.
(file: P:\STREETSVILLE FILES\ACADdata\NORAMPAC OFF-SITE SAMPLING LOCATIONS.DWG)

LEGEND:

3241 WALDEN AVE. PROPERTY BOUNDARY

OS01–18 ● SAMPLE LOCATION
150 LEAD CONCENTRATION BELOW 400 PPM
1,400 LEAD CONCENTRATION EXCEEDING 400 PPM

JAR8 ● SAMPLE ON ROAD RIGHT–OF–WAY (JUNE 1999 INVESTIGATION)
890

(14) HOUSE NUMBER (APRIL 2002 INVESTIGATION)

(EL) EMPTY LOT (APRIL 2002 INVESTIGATION)

[27] HOUSE NUMBER (AUGUST 2001 INVESTIGATION)

8 Bostwick, OS02-80 = 250ppm

W SECOND ST

WEST FIRST STREET

TRANSIT RD

BOSTWICK PLACE

W THIRD ST

WALDEN AVE

COMMERCIAL

OS02-53 280 −54 270
OS02-85 180 −86 35
OS02-83 150 −84 150
OS02-61 150 −62 350
OS02-65 890 −66 770
OS02-69 410 −70 530
OS02-81 260 −82 200
OS02-75 350 −76 160
OS02-67 690 −68 180
OS02-79 300 −80 350 250
OS02-71 810 −72 790
OS02-63 770 −64 160
OS02-77 180 −78 75
OS02-73 410 −74 270
OS02-51 190 −52 46
OS02-45 410 −46 260
OS02-41 270 −42 450
OS02-49 470 −50 160
OS02-55 910 −56 310
OS02-39 310 −40 30
OS02-43 420 −44 220
OS02-57 1,200 −58 390
OS02-47 290 −48 330
OS02-59 550 −60 230
OS02-33 120 −34 44
OS02-25 290 −26 120
OS02-35 440 −36 450
OS02-13 2,100 −14 120
OS02-29 2,100 −30 100
OS02-19 1,700 −20 18
OS02-7 830 −8 1,200
OS02-21 2,900 −22 82
OS02-37 800 −38 700
OS02-1 290 −2 87
OS02-9 600 −10 140
OS02-31 690 −32 130
OS01-6 640
OS02-3 1,100 −4 47
OS02-15 800 −16 50
OS02-27 290 −28 630
OS02-5 670 −6 330
OS02-23 1,800 −24 29
OS02-11 39 −12 690
OS02-17 2,800 −18 25
OS01-7 940
OS01-10 440
OS01-11 170
OS01-12 200
OS01-13 330
OS02-87 1,200 −88 880
OS01-14 220
OS02-93 410 −94 240
OS01-9 960
OS01-8 3,100
OS01-15 310
OS02-89 210 −90 170
OS02-91 620 −92 400
OS01-16 210
OS01-25 830
OS01-18 150
OS01-23 3,500
OS01-19 1,100
OS01-21 740
3242
OS01-2 170
OS01-17 380
OS01-1 310
OS01-3 320
OS01-24 1,100
OS01-22 5,300
OS00-1 2,000
OS01-20 1,300
OS00-2 2,000
JAR11 450
JAR10 1,100
JAR9 600
JAR12 510
OS01-4
OS01-5 470
OS00-3 730 800
JAR8 890
JAR7 1,400
JAR6 630

3224 3232 3236 3242 3244 3246 3248

SCALE:

0 30 60m

0 100 200ft

DRAWING REFERENCE: Base drawing supplied by Erie County Municipal Office
NOTE: Locations of buildings, underground utilities, etc. are for reference only and should not be relied upon for detail design, excavation, or construction purposes.
Residential property boundaries are only estimated

(file: P:\STREETSVILLE FILES\ACADdata\NORAMPAC RESIDENTIAL SAMPLING.DWG)

SAMPLE LOCATION PLAN

RESIDENTIAL PROPERTIES AREAS ACROSS EASTERN HALF OF 3241 WALDEN AVE DEPEW, NEW YORK

XCG CONSULTANTS LTD.

DATE	JOB NO.	FIGURE NO.
JUNE 2002	3–1519–01–01	2

DRAWING REFERENCE: Base drawing supplied by Erie County Municipal Office
NOTE: Locations of buildings, underground utilities, etc. are for reference only and should not be relied upon for detail design, excavation, or construction purposes.
Residential property boundaries are only estimated

(file: C:\ACAD AND XCG FILES\ACADdata\3-1519-01-01 NORAMPAC RESIDENTIAL SAMPLING JUL 2002 FIG 3.DWG)

ALL OFF-SITE SAMPLED AREAS

RESIDENTIAL PROPERTIES NEAR
3241 WALDEN AVE.
DEPEW, NEW YORK

XCG CONSULTANTS LTD.

DATE	JOB NO.	FIGURE NO.
JULY 2002	3-1519-01-01	3

3. FIELD INVESTIGATION

The field investigation activities were conducted on April 24, 25, and 26, 2002. The sampling activities were carried out by Mr. Basil Wong, M.Eng., P.Eng., and Ms. Andrea Wilson, B.A.Sc., EIT, of XCG with the assistance of NYSDEC and DOH. Authorization to access the properties was provided by the property owners to either NYSDEC or DOH. A description of the field investigation methodology used is provided below.

3.1 Soil Sampling Methodology

The surficial soil samples were obtained from ground level to a depth of 2 inches (0.05 metres) below grade, and were collected manually with a stainless steel trowel. A manual auger was used to collect soil samples at a depth of 6 to 8 inches (0.15 to 0.20 metres) below grade. In general, sampling was conducted from at least one location in each of the front and back yards. Both the trowel and manual auger were cleaned with distilled water and detergent between sampling locations to prevent cross-contamination. All soil samples were placed in laboratory prepared glass jars and stored in a cooler prior to delivery to the laboratory. The samples were sent to the laboratory within approximately 48-hours from the time of collection. The samples were analyzed for ICAP metals by Philip Analytical Services Corp. (PASC) of Burlington, Ontario. PASC's Burlington laboratory is certified with the New York State Department of Health (ELAP Certification, ID#10756).

The soil samples collected at the residential properties were identified as OS02-1 to OS02-94. Soil samples were collected from surface and at depth at each location. All odd-numbered samples represent surface samples, while the even-numbered ones were collected at depth. Blind duplicate samples were identified as OS02-BW1 to OS02-BW9.

3.2 Sampling Locations

The off-site properties and sampling locations were selected with input from Mr. Gerald Pietraszek of NYSDEC and Mr. Matthew Forcucci of DOH. Soil samples (both surficial, and at depth) were collected at the following locations:

- 7 Bostwick Place (OS02-1 to OS02-6 and OS02-BW1)
- 15 Bostwick Place (OS02-7 to OS02-12)
- Empty lot adjacent to east of 15 Bostwick Place (OS02-13 to OS02-18, and OS02-BW2)

- Empty lot adjacent to west of 33 Bostwick Place (OS02-19 to OS02-24, and OS02-BW3)
- 33 Bostwick Place (OS02-25 to OS02-28)
- 37 Bostwick Place (OS02-29 to OS02-32 and OS02-BW4)
- 41 Bostwick Place (OS02-33 to OS02-38)
- 50 Bostwick Place (OS02-39 to OS02-42 and OS02-BW5)
- 46 Bostwick Place (OS02-43 to OS02-46)
- 40 Bostwick Place (OS02-47 to OS02-50)
- Vacant Lot north of 40 Bostwick Place (OS02-51 and OS02-52)
- Vacant Lot north of 22 Bostwick Place (OS02-53, OS02-54, and OS02-BW6)
- 34 Bostwick Place (OS02-55 to OS02-58)
- 30 Bostwick Place (OS02-59 to OS02-62)
- 26 Bostwick Place (OS02-63 to OS02-66 and OS02-BW7)
- 22 Bostwick Place (OS02-67 to OS02-72)
- 14 Bostwick Place (OS02-73 to OS02-76)
- 8 Bostwick Place (OS02-77 to OS02-82)
- 45 West Second Street (OS02-83 to OS02-86 and OS02-BW9)
- 26 West Second Street (OS02-87 and OS02-88)
- 21 West Third Street (OS02-89 to OS02-94)

Soil sampling was planned to be conducted on the commercial properties located at 3230, 3252, and 3260 Walden Avenue. However, this was not carried out as these properties are paved with asphalt. Also, sampling was not conducted on the vacant lot to the east of 3236 Walden Avenue since the owner did not provide access authorization.

3.3 QA/QC Methods

To ensure that the soil and groundwater samples were properly handled and analyzed, XCG retained a laboratory that is certified by the New York State Department of Health. Philip Analytical Services Corp. (PASC) of Burlington, Ontario, is certified by the Environmental Laboratory Approval Program (ELAP, ID#10756). The samples were stored in laboratory prepared containers. XCG maintained a strict storage and transportation protocol. All samples were placed in

coolers until delivery to the laboratory. The samples were submitted to the laboratory within approximately 48 hours, which was well within the applicable holding times. Chain-of-custody forms were maintained to ensure proper handling and transfer of samples.

XCG submitted nine duplicate samples (OS02-BW1 to OS02-BW9) for laboratory analyses of ICAP metals, for QA/QC purposes. This is approximately 10 % of the original number of samples. As noted above, the soil samples were analyzed at an ELAP-certified laboratory to ensure proper QA/QC methods. PASC also has a standard internal QA/QC program. As part of these procedures, a lab method blank, method blank spike, blank spike and matrix spike are analyzed during the testing of the samples. In addition, PASC conducts a laboratory duplicate analysis of one soil sample for every fourteen consecutive samples that the laboratory receives, irrespective of the project (i.e. the fourteen samples may be a combination of two or more separate submissions). Duplicate metals analysis of laboratory selected samples was carried out for soil samples OS02-1, OS02-16, OS02-34, OS02-53, OS02-71, and OS02-89. As requested by NYSDEC, PASC provided XCG with a Category A report, which includes all the quality control back-up documentation and raw data.

4. APPLICABLE GUIDELINE CRITERIA

In New York State, analytical results of soil are compared to the criteria outlined in the NYSDEC Division of Technical and Administrative Guidance Memorandum (TAGM) 4046, entitled "Determination of Soil Cleanup Objectives and Cleanup Levels," dated January 24, 1994 (revised).

The TAGM 4046 Recommended Soil Cleanup Objectives for certain metals provide the option of using either the specified value or using site background values. There are no site background values available for the study area. As such, the analytical metal results were compared to the specified Cleanup Objectives or the Eastern USA/New York State Background Values (where Cleanup Objectives have not been developed). A range of Eastern USA and New York State Background Values for most metals are provided in TAGM 4046. Background values at the on-site property and surrounding area are probably very high as it is located in an industrial area and is adjacent to a railway corridor. Therefore, a value near the high end of the range of Background Values was used in this assessment. For example, the Background Values for lead are 200 ppm to 500 ppm.

In the 2001 off-site investigation, the lead results were compared to the high-end Background Value of 500 ppm. Since completion of that report, NYSDEC indicated that the Department uses a Background Value of 400 ppm for residential properties. Therefore, this value for lead was used to assess the soil quality in the current study. As a result, three samples from the previous investigation, which contained a lead concentration between 400 and 500 ppm, are now considered to have exceeded the Background Value. This is discussed further in Section 5.

5. RESULTS

5.1 Soil Results

In total, 103 soil samples (including 9 duplicates) were submitted to PASC for analyses of metals. A summary of the analytical results is presented in Table 1. Copies of the Certificates of Analyses from PASC are included in Appendix A. The Category A report is provided in Appendix B. All odd-numbered samples (e.g. OS02-1, OS02-3, OS02-5, etc.) were collected from surface to 2 inches (0.05 metres) below grade, while the even-numbered samples (e.g. OS02-2, OS02-4, OS02-6, etc.) were collected at a depth of approximately 6 to 8 inches (0.15 to 0.20 metres) below grade.

The concentrations of a number of metals (beryllium, cadmium, calcium, chromium, copper, iron, lead, magnesium, nickel, and zinc) exceeded either the TAGM 4046 Cleanup Objectives or USA/New York State Background Values (for metals where Cleanup Objectives have not been established). However, the following discussion will focus only on the lead concentrations, as this is the main metal of concern. The lead results from the current investigation, as well as previous off-site samples located across the eastern half of the on-site property, are presented in Figure 2. Figure 3 shows all the off-site sampling results using different colored hatching for results greater than and less than 400 ppm. All off-site samples from previous investigations were collected at surface (i.e. 0 to 2 inches).

The results for each investigated property are discussed individually in the following sub-sections. Sampling was generally conducted at one location on each grass-covered section of the property (i.e. front yard, side yard, and back yard). Therefore, the results for the single sample was considered representative of the investigated area, and the impacts were inferred to extend laterally over the entire front yard (or side yard or back yard). With respect to the depth of impact, a majority of the locations with surface samples that contained lead concentrations above the TAGM 4046 Background Value of 400 ppm had lead concentrations below this value in the samples from 6 to 8 inches depth (i.e. twenty-one locations). The depth of impact at these locations was inferred to extend to approximately 0.5 feet. At eight locations, both the surface and deep samples contained lead concentrations above the Background Value. Based on the results of the aforementioned twenty-one locations, lead is not expected to have migrated significantly downward, past the 8-inch depth. As such, these areas were inferred to be impacted to approximately 1 foot depth. At three sampling locations, the sample from 6 to 8 inches contained a lead concentration above the Background Value, even though the lead concentration in the surface sample was below 400 ppm. This may be a result of clean topsoil placed on the original surficial soil, after it was impacted. These sampling locations were also inferred to be impacted to approximately 1 foot depth.

April 24, 2002

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling

PARAMETER (µg/g)	MDL	OS02-1	OS02-1 (LAB DUP.)	OS02-2	OS02-3	OS02-BW1 (DUP OF OS02-3)	OS02-4	OS02-5	OS02-6	OS02-7	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	-	0-2	0-2	6-8	0-2	0-2	6-8	0-2	6-8	0-2	-	-
Address	-	7 Bostwick	7 Bostwick	7 Bostwick	7 Bostwick	7 Bostwick	7 Bostwick	7 Bostwick	7 Bostwick	15 Bostwick	-	-
Location	-	Centre of front yard	Centre of front yard	Centre of front yard	Centre of front yard	Centre of front yard	Centre of front yard	Centre of back yard	Centre of back yard	Centre of front yard	-	
Sampling Date	-	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	-	-
Aluminum	3	12,000	12,000	12,000	9,900	9,500	13,000	9,400	8,100	11,000	SB	33,000
Barium	0.5	85	86	92	100	92	93	74	70	100	300 or SB	15-600
Beryllium	0.1	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	**0.5**	**0.5**	**0.7**	0.16 or SB	0-1.75
Cadmium	1	<	<	<	**2.0**	**2.0**	<	<	<	1.0	1 or SB	0.1-1
Calcium	20	6,900	6,900	**58,000**	7,200	6,600	3,400	6,900	14,000	11,000	SB	130-35,000*
Chromium	1	**21**	**20**	10	**43**	**36**	**16**	**30**	**15**	**28**	10 or SB	1.5-40*
Cobalt	5	7.0	7.0	10	7.0	6.0	10	7.0	7.0	8.0	30 or SB	2.5-60*
Copper	1	**110**	**120**	**79**	**460**	**360**	**37**	**240**	**170**	**310**	25 or SB	1-50
Iron	5	**21,000**	**22,000**	**26,000**	**22,000**	**21,000**	**28,000**	**21,000**	**22,000**	**25,000**	2,000 or SB	2,000-550,000
Lead	5	290	290	**87**	**1,100**	**840**	**47**	**670**	330	**830**	SB**	400**
Magnesium	5	3,700	3,700	**18,000**	3,400	3,200	3,000	3,300	**5,900**	**5,300**	SB	100-5,000
Manganese	1	450	480	510	360	340	640	350	400	500	SB	50-5,000
Molybdenum	1	2.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	NV	NV
Nickel	5	**16**	**16**	**26**	**24**	**20**	**14**	**20**	**20**	**27**	13 or SB	0.5-25
Phosphorus	10	930	950	600	1,200	1,100	370	870	580	1,200	NV	NV
Potassium	100	1,500	1,400	1,800	1,000	960	1,100	1,100	960	1,800	SB	8500-43,000*
Silver	1	<	<	<	1.2	<	<	<	<	<	SB	NV
Sodium	10	44	44	100	60	55	49	49	55	76	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	26	26	26	25	24	30	23	20	26	150 or SB	1-300
Zinc	1	**250**	**250**	**130**	**730**	**590**	**76**	**480**	**230**	**620**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background		
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm	NV	No Value
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit		
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background		

** Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm

TAGM 4046 Objectives: NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)

PARAMETER (µg/g)	MDL	OS02-8	OS02-9	OS02-10	OS02-11	OS02-12	OS02-13	OS02-BW2 (DUP OF OS02-13)	OS02-14	OS02-15	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	-	6-8	0-2	6-8	0-2	6-8	0-2	0-2	6-8	0-2	-	-
Address	-	15 Bostwick	15 Bostwick	15 Bostwick	15 Bostwick	15 Bostwick	Lot east of 15 Bostwick	Lot east of 15 Bostwick	Lot east of 15 Bostwick	Lot east of 15 Bostwick	-	-
Location	-	Centre of front yard	S/E corner of property	S/E corner of property	Back yard, south of garage	Back yard, south of garage	North part of lot	North part of lot	North part of lot	Mid portion of lot	-	
Sampling Date	-	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	-	-
Aluminum	3	11,000	10,000	15,000	8,400	12,000	9,500	11,000	15,000	11,000	SB	33,000
Barium	0.5	130	83	130	60	130	110	110	96	87	300 or SB	15-600
Beryllium	0.1	**0.8**	0.5	**0.8**	0.4	**0.7**	**0.7**	**0.7**	**0.7**	**0.6**	0.16 or SB	0-1.75
Cadmium	1	1.0	<	<	<	1.0	**3.0**	**3.0**	<	**2.0**	1 or SB	0.1-1
Calcium	20	8,700	6,700	5,200	17,000	10,000	7,500	7,800	2,900	10,000	SB	130-35,000*
Chromium	1	**17**	**20**	**20**	**12**	**16**	**21**	**23**	**19**	**19**	10 or SB	1.5-40*
Cobalt	5	8.0	6.0	10	5.0	13	7.0	7.0	10	7.0	30 or SB	2.5-60*
Copper	1	**1,300**	**260**	**110**	25	**550**	**1,700**	**1,200**	**67**	**440**	25 or SB	1-50
Iron	5	**27,000**	**20,000**	**29,000**	**16,000**	**34,000**	25,000	**26,000**	**30,000**	**24,000**	2,000 or SB	2,000-550,000
Lead	5	**1,200**	**600**	140	39	**690**	**2,100**	**1,800**	120	**800**	SB**	400**
Magnesium	5	3,100	3,100	4,900	**8,700**	**5,800**	2,600	3,100	3,600	4,300	SB	100-5,000
Manganese	1	440	300	590	370	1,200	530	540	720	410	SB	50-5,000
Molybdenum	1	2.0	2.0	2.0	1.0	3.0	3.0	3.0	2.0	2.0	NV	NV
Nickel	5	**32**	**21**	**29**	**12**	**22**	**40**	**37**	**19**	**24**	13 or SB	0.5-25
Phosphorus	10	830	1,100	600	710	640	1,000	1,100	560	940	NV	NV
Potassium	100	1,200	1,200	1,500	950	1,200	1,200	1,400	1,200	1,300	SB	8500-43,000*
Silver	1	<	<	<	<	<	1.4	1.1	<	<	SB	NV
Sodium	10	120	96	180	55	67	83	73	47	56	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	27	22	31	19	34	26	28	31	26	150 or SB	1-300
Zinc	1	**830**	**470**	**180**	**95**	**550**	**1,400**	**1,200**	**140**	**600**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background		
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm	NV	No Value
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit		
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background		

** Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm

TAGM 4046 NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)

PARAMETER (µg/g)	MDL	OS02-16	OS02-16 (LAB DUP)	OS02-17	OS02-18	OS02-19	OS02-20	OS02-21	OS02-22	OS02-BW3 (DUP OF OS02-22)	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (m)	-	0.15-0.20	0.15-0.20	0-0.05	0.15-0.20	0-0.05	0.15-0.20	0-0.05	0.15-0.20	0.15-0.20	-	-
Address	-	Lot east of 15 Bostwick	Lot east of 15 Bostwick	Lot east of 15 Bostwick	Lot east of 15 Bostwick	Empty lot west of 33 Bostwick	Empty lot west of 33 Bostwick	Empty lot west of 33 Bostwick	Empty lot west of 33 Bostwick	Empty lot west of 33 Bostwick	-	-
Location	-	Mid portion of lot	Mid portion of lot	South part of lot	South part of lot	North part of lot	North part of lot	Mid portion of lot	Mid portion of lot	Mid portion of lot	-	
Sampling Date	-	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	-	-
Aluminum	3	13,000	12,000	6,700	14,000	7,900	12,000	6,800	12,000	12,000	SB	33,000
Barium	0.5	74	73	110	90	76	75	100	70	69	300 or SB	15-600
Beryllium	0.1	0.6	0.6	0.5	0.7	0.5	0.6	0.6	0.6	0.6	0.16 or SB	0-1.75
Cadmium	1	<	<	4.0	<	3.0	<	4.0	<	<	1 or SB	0.1-1
Calcium	20	2,700	2,700	8,900	2,300	8,100	2,000	8,200	2,000	2,100	SB	130-35,000*
Chromium	1	15	15	22	16	20	15	21	14	14	10 or SB	1.5-40*
Cobalt	5	8.0	8.0	7.0	10	6.0	6.0	7.0	7.0	7.0	30 or SB	2.5-60*
Copper	1	42	40	1,400	29	790	23	2,000	70	79	25 or SB	1-50
Iron	5	26,000	26,000	23,000	29,000	20,000	23,000	23,000	24,000	24,000	2,000 or SB	2,000-550,000
Lead	5	50	45	2,800	25	1,700	18	2,900	82	89	SB**	400**
Magnesium	5	3,100	3,100	1,900	3,500	2,600	2,700	1,900	2,900	2,800	SB	100-5,000
Manganese	1	560	570	650	520	390	450	520	440	480	SB	50-5,000
Molybdenum	1	2.0	1.0	3.0	1.0	2.0	<	3.0	1.0	2.0	NV	NV
Nickel	5	13	14	37	19	31	13	38	14	14	13 or SB	0.5-25
Phosphorus	10	380	370	1,100	310	1,200	280	1,400	410	410	NV	NV
Potassium	100	830	890	780	1,100	870	790	690	810	800	SB	8500-43,000*
Silver	1	<	<	1.1	<	<	<	2.0	<	<	SB	NV
Sodium	10	44	44	410	370	68	36	250	120	120	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	29	28	22	31	22	27	22	27	26	150 or SB	1-300
Zinc	1	89	87	1,800	96	990	57	1,400	97	100	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background		
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm	NV	No Value
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit		
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background		
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm				
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives				

Table 1 *Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)*

PARAMETER (µg/g)	MDL	OS02-23	OS02-24	OS02-25	OS02-26	OS02-27	OS02-28	OS02-29	OS02-30	OS02-31	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	-	0-2	6-8	0-2	6-8	0-2	6-8	0-2	6-8	0-2	-	-
Address	-	Empty Lot west of 33 Bostwick	Empty Lot west of 33 Bostwick	33 Bostwick	33 Bostwick	33 Bostwick	33 Bostwick	37 Bostwick	37 Bostwick	37 Bostwick	-	-
Location	-	South part of lot	South part of lot	Centre of front yard	Centre of front yard	Back, north of swing set	Back, north of swing set	North part of front yard	North part of front yard	Back yard, west of shed	-	
Sampling Date	-	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	-	-
Aluminum	3	7,700	13,000	8,200	10,000	11,000	11,000	7,600	11,000	11,000	SB	33,000
Barium	0.5	130	89	78	76	96	150	120	67	110	300 or SB	15-600
Beryllium	0.1	**0.5**	**0.7**	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**0.5**	**0.6**	0.16 or SB	0-1.75
Cadmium	1	**2.0**	<	<	<	1.0	1.0	**4.0**	<	1.0	1 or SB	0.1-1
Calcium	20	7,700	2,300	7,000	2,900	**40,000**	12,000	7,100	2,900	33,000	SB	130-35,000*
Chromium	1	**19**	**15**	**25**	**12**	**18**	**16**	**22**	**12**	**19**	10 or SB	1.5-40*
Cobalt	5	7.0	9.0	8.0	7.0	9.0	8.0	7.0	7.0	9.0	30 or SB	2.5-60*
Copper	1	**800**	**27**	**130**	**78**	**160**	**330**	**1,000**	**83**	**430**	25 or SB	1-50
Iron	5	**20,000**	**27,000**	**21,000**	**20,000**	**24,000**	**24,000**	**24,000**	**21,000**	**25,000**	2,000 or SB	2,000-550,000
Lead	5	**1,800**	29	290	120	290	**630**	**2,100**	100	**690**	SB**	400**
Magnesium	5	2,200	3,500	2,800	2,500	**15,000**	**5,500**	2,000	2,400	**13,000**	SB	100-5,000
Manganese	1	430	370	360	370	470	370	490	460	450	SB	50-5,000
Molybdenum	1	2.0	<	<	1.0	1.0	1.0	2.0	<	1.0	NV	NV
Nickel	5	**23**	**19**	**17**	**15**	**24**	**19**	**36**	13	**27**	13 or SB	0.5-25
Phosphorus	10	920	320	1,200	470	710	610	1,000	390	760	NV	NV
Potassium	100	820	1,100	2,000	660	1,700	1,100	1,200	850	1,700	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	410	270	52	77	100	98	170	100	110	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	23	29	29	22	24	26	23	23	25	150 or SB	1-300
Zinc	1	**1,000**	**100**	**230**	**110**	**330**	**480**	**1,500**	**120**	**610**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background

NV No Value

** Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm

TAGM 4046 NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)

PARAMETER (µg/g)	MDL	OS02-32	OS02-BW4 (DUP OF OS02-32)	OS02-33	OS02-34	OS02-34 (LAB DUP)	OS02-35	OS02-36	OS02-37	OS02-38	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	-	6-8	6-8	0-2	6-8	6-8	0-2	6-8	0-2	6-8	-	-
Address	-	37 Bostwick	37 Bostwick	41 Bostwick	41 Bostwick	41 Bostwick	41 Bostwick	41 Bostwick	41 Bostwick	41 Bostwick	-	-
Location	-	Back yard, west of shed	Back yard, west of shed	Front yard west of drive	Front yard west of drive	Front yard west of drive	Front yard east of drive	Front yard east of drive	Mid east in back yard	Mid east in back yard	-	
Sampling Date	-	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	-	-
Aluminum	3	11,000	11,000	9,300	12,000	12,000	8,500	10,000	6,700	10,000	SB	33,000
Barium	0.5	88	90	68	99	98	90	93	140	170	300 or SB	15-600
Beryllium	0.1	**0.6**	**0.6**	**0.5**	**0.7**	**0.6**	**0.5**	**0.6**	**0.4**	**0.6**	0.16 or SB	0-1.75
Cadmium	1	<	<	<	<	<	<	1.0	1.0	**2.0**	1 or SB	0.1-1
Calcium	20	**55,000**	**60,000**	4,100	29,000	28,000	13,000	32,000	31,000	**40,000**	SB	130-35,000*
Chromium	1	**17**	**18**	**14**	**16**	**16**	**15**	**17**	**15**	**18**	10 or SB	1.5-40*
Cobalt	5	10	10	7.0	9.0	9.0	6.0	9.0	6.0	9.0	30 or SB	2.5-60*
Copper	1	**120**	**110**	**67**	**41**	37	**180**	**360**	**320**	**490**	25 or SB	1-50
Iron	5	**25,000**	**26,000**	**20,000**	**25,000**	**25,000**	**19,000**	**24,000**	**17,000**	**24,000**	2,000 or SB	2,000-550,000
Lead	5	130	130	120	44	44	**440**	**450**	**800**	**700**	SB**	400**
Magnesium	5	**18,000**	**19,000**	2,700	**11,000**	**11,000**	**5,900**	**12,000**	**13,000**	**13,000**	SB	100-5,000
Manganese	1	440	460	430	510	500	380	440	320	470	SB	50-5,000
Molybdenum	1	1.0	1.0	1.0	1.0	1.0	2.0	2.0	2.0	2.0	NV	NV
Nickel	5	**25**	**25**	**18**	**22**	**22**	**20**	**27**	**18**	**28**	13 or SB	0.5-25
Phosphorus	10	600	600	820	540	540	790	670	1,300	2,200	NV	NV
Potassium	100	1,700	1,800	920	1,200	1,200	1,100	1,300	1,200	1,800	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	120	120	40	70	67	62	120	110	120	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	23	24	21	26	26	20	24	17	24	150 or SB	1-300
Zinc	1	**170**	**160**	**140**	**86**	**84**	**340**	**440**	**610**	**900**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background		
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm	NV	No Value
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit		
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background		
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm				
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives				

Table 1 *Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)*

PARAMETER (µg/g)	MDL	OS02-39	OS02-40	OS02-41	OS02-BW5 (DUP OF OS02-41)	OS02-42	OS02-43	OS02-44	OS02-45	OS02-46	NYSDEC-TAGM 4046	
											Cleanup Objectives	Eastern USA Background
Depth (inches)	-	0-2	6-8	0-2	0-2	6-8	0-2	6-8	0-2	6-8	-	-
Address	-	50 Bostwick	50 Bostwick	50 Bostwick	50 Bostwick	50 Bostwick	46 Bostwick	46 Bostwick	46 Bostwick	46 Bostwick	-	-
Location	-	Side yard, east of house	Side yard, east of house	Centre of back yard	Centre of back yard	Centre of back yard	Yard east of house	Yard east of house	Back yard, west of garage	Back yard, west of garage	-	
Aluminum	3	7,200	7,700	12,000	12,000	12,000	9,800	13,000	9,600	13,000	SB	33,000
Barium	0.5	59	66	100	100	130	75	110	100	190	300 or SB	15-600
Beryllium	0.1	0.4	0.4	0.7	0.7	0.6	0.5	0.7	0.6	0.9	0.16 or SB	0-1.75
Cadmium	1	<	<	<	<	1.0	2.0	<	1.0	<	1 or SB	0.1-1
Calcium	20	7,900	9,500	4,300	4,400	4,300	7,700	29,000	7,200	5,800	SB	130-35,000*
Chromium	1	12	10	16	16	17	18	19	25	18	10 or SB	1.5-40*
Cobalt	5	6.0	6.0	8.0	8.0	8.0	7.0	11	6.0	8.0	30 or SB	2.5-60*
Copper	1	160	38	110	120	230	180	180	170	180	25 or SB	1-50
Iron	5	18,000	17,000	26,000	26,000	27,000	22,000	28,000	17,000	25,000	2,000 or SB	2,000-550,000
Lead	5	310	30	270	280	450	420	220	410	260	SB**	400**
Magnesium	5	4,000	5,000	3,300	3,300	3,300	4,300	12,000	3,200	2,900	SB	100-5,000
Manganese	1	370	380	420	410	410	520	560	240	410	SB	50-5,000
Molybdenum	1	1.0	1.0	3.0	2.0	2.0	2.0	2.0	1.0	3.0	NV	NV
Nickel	5	16	15	20	21	19	21	27	20	20	13 or SB	0.5-25
Phosphorus	10	640	420	930	980	830	990	630	1,200	1,100	NV	NV
Potassium	100	1,200	850	1,200	1,200	1,100	1,400	1,600	1,100	1,200	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	50	42	44	47	69	52	92	53	100	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	18	18	24	24	27	22	28	21	33	150 or SB	1-300
Zinc	1	260	62	220	220	310	380	230	390	260	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background		
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm	NV	No Value
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit		
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background		
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm				
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives				

Table 1 *Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)*

PARAMETER (µg/g)	MDL	OS02-47	OS02-48	OS02-49	OS02-50	OS02-51	OS02-52	OS02-53	OS02-53 (LAB DUP)	OS02-BW6 (DUP OF OS02-53)	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	–	0-2	6-8	0-2	6-8	0-2	6-8	0-2	0-2	0-2	-	-
Address	-	40 Bostwick	40 Bostwick	40 Bostwick	40 Bostwick	Lot north of 40 Bostwick	Lot north of 40 Bostwick	Lot north of 22 Bostwick	Lot north of 22 Bostwick	Lot north of 22 Bostwick	-	-
Location	-	Centre of front yard	Centre of front yard	Back yard, west of garage	Back yard, west of garage	57 ft north of 40 Bostwick garage	57 ft north of 40 Bostwick garage	45 ft north of 22 Bostwick garage	45 ft north of 22 Bostwick garage	45 ft north of 22 Bostwick garage	-	
Sampling Date	–	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/24/04	02/25/04	02/25/04	02/25/04	-	-
Aluminum	3	11,000	10,000	9,700	12,000	11,000	18,000	11,000	11,000	11,000	SB	33,000
Barium	0.5	57	86	89	90	77	130	88	87	85	300 or SB	15-600
Beryllium	0.1	**0.5**	**0.5**	**0.6**	**0.6**	**0.6**	**1.2**	**0.6**	**0.6**	**0.6**	0.16 or SB	0-1.75
Cadmium	1	<	<	1.0	<	<	<	<	<	<	1 or SB	0.1-1
Calcium	20	3,300	21,000	14,000	30,000	3,300	2,500	4,700	4,700	4,500	SB	130-35,000*
Chromium	1	**18**	**19**	**26**	**17**	**15**	**21**	**16**	**17**	**15**	10 or SB	1.5-40*
Cobalt	5	6.0	7.0	7.0	9.0	8.0	18	8.0	7.0	7.0	30 or SB	2.5-60*
Copper	1	**140**	**200**	**210**	**150**	**120**	**43**	**170**	**170**	**160**	25 or SB	1-50
Iron	5	**21,000**	**20,000**	**21,000**	25,000	**25,000**	**36,000**	**25,000**	**24,000**	**24,000**	2,000 or SB	2,000-550,000
Lead	5	290	330	**470**	160	190	46	280	270	270	SB**	400**
Magnesium	5	2,700	**8,900**	**7,100**	**11,000**	3,200	**5,400**	3,400	3,400	3,300	SB	100-5,000
Manganese	1	300	360	410	420	390	840	350	320	320	SB	50-5,000
Molybdenum	1	2.0	2.0	1.0	2.0	2.0	<	2.0	2.0	2.0	NV	NV
Nickel	5	**18**	**19**	**20**	**22**	**18**	**32**	**20**	**18**	**17**	13 or SB	0.5-25
Phosphorus	10	540	610	730	520	590	330	860	840	790	NV	NV
Potassium	100	900	1,000	1,300	1,400	1,200	1,600	1,400	1,400	1,200	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	61	64	58	78	30	33	31	31	30	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	22	22	23	26	26	34	27	26	26	150 or SB	1-300
Zinc	1	**280**	**330**	**410**	**180**	**160**	**110**	**260**	**250**	**240**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm		
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives		

NV No Value

Table 1 *Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)*

PARAMETER (µg/g)	MDL	OS02-54	OS02-55	OS02-56	OS02-57	OS02-58	OS02-59	OS02-60	OS02-61	OS02-62	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	-	6-8	0-2	6-8	0-2	6-8	0-2	6-8	0-2	6-8	-	-
Address	-	Lot north of 22 Bostwick	34 Bostwick	34 Bostwick	34 Bostwick	34 Bostwick	30 Bostwick	30 Bostwick	30 Bostwick	30 Bostwick	-	-
Location	-	45 ft north of 22 Bostwick garage	Centre of back yard	Centre of back yard	Centre of front yard	Centre of front yard	ROW south of 30 Bostwick	ROW south of 30 Bostwick	S/E portion of back yard	S/E portion of back yard	-	
Sampling Date	-	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	-	-
Aluminum	3	12,000	4,500	7,900	8,000	10,000	8,700	11,000	6,400	9,700	SB	33,000
Barium	0.5	88	120	140	160	92	97	87	65	130	300 or SB	15-600
Beryllium	0.1	**0.6**	**0.4**	**0.8**	**0.4**	**0.5**	**0.5**	**0.5**	**0.3**	**0.5**	0.16 or SB	0-1.75
Cadmium	1	<	**3.0**	<	**2.0**	<	1.0	<	<	**2.0**	1 or SB	0.1-1
Calcium	20	3,600	**76,000**	13,000	6,400	3,800	25,000	18,000	23,000	17,000	SB	130-35,000*
Chromium	1	**15**	**24**	**14**	**24**	**14**	**22**	**14**	**11**	**15**	10 or SB	1.5-40*
Cobalt	5	9.0	<	9.0	5.0	5.0	6.0	6.0	<	6.0	30 or SB	2.5-60*
Copper	1	**160**	**310**	**170**	**480**	**230**	**240**	**110**	**86**	**160**	25 or SB	1-50
Iron	5	**26,000**	**19,000**	**21,000**	**18,000**	**18,000**	**21,000**	**20,000**	**12,000**	**21,000**	2,000 or SB	2,000-550,000
Lead	5	230	**910**	310	**1,200**	390	**550**	230	150	350	SB**	400**
Magnesium	5	3,300	**6,100**	3,700	2,100	2,300	**6,500**	**6,700**	**10,000**	**5,500**	SB	100-5,000
Manganese	1	470	290	350	280	250	420	320	240	300	SB	50-5,000
Molybdenum	1	2.0	2.0	3.0	22.0	2.0	2.0	1.0	1.0	1.0	NV	NV
Nickel	5	**17**	**22**	**21**	**21**	**15**	**18**	**16**	11	**18**	13 or SB	0.5-25
Phosphorus	10	570	910	800	780	480	720	470	760	940	NV	NV
Potassium	100	1,000	700	1,100	920	750	1,100	900	920	880	SB	8500-43,000*
Silver	1	<	<	<		<	<	<	<	<	SB	NV
Sodium	10	33	95	200	58	39	86	110	57	64	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	28	15	42	19	20	21	23	14	22	150 or SB	1-300
Zinc	1	**190**	**950**	**270**	**940**	**320**	**680**	**210**	**190**	**390**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm		
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives		

NV No Value

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)

PARAMETER (µg/g)	MDL	OS02-63	OS02-64	OS02-65	OS02-BW7 (DUP OF OS02-65)	OS02-66	OS02-67	OS02-68	OS02-69	OS02-70	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	-	0-2	6-8	0-2	0-2	6-8	0-2	6-8	0-2	6-8	-	-
Address	-	26 Bostwick	26 Bostwick	26 Bostwick	26 Bostwick	26 Bostwick	22 Bostwick	22 Bostwick	22 Bostwick	22 Bostwick	-	-
Location	-	Centre of front yard	Centre of front yard	Back yard, west of garage	Back yard, west of garage	Back yard, west of garage	Front yard, S/E portion	Front yard, S/E portion	Side yard, west of drive	Side yard, west of drive	-	
Sampling Date	-	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	-	-
Aluminum	3	9,800	10,000	9,200	8,800	10,000	9,400	12,000	8,000	8,500	SB	33,000
Barium	0.5	170	75	230	260	300	170	180	73	83	300 or SB	15-600
Beryllium	0.1	**0.5**	**0.5**	**0.6**	**0.6**	**0.7**	**0.5**	**0.6**	**0.4**	**0.5**	0.16 or SB	0-1.75
Cadmium	1	1.0	<	1.0	**2.0**	**2.0**	**2.0**	1.0	1.0	1.0	1 or SB	0.1-1
Calcium	20	8,200	3,700	14,000	15,000	11,000	6,800	4,600	7,100	12,000	SB	130-35,000*
Chromium	1	**26**	**11**	**21**	**22**	**20**	**16**	**14**	**13**	**13**	10 or SB	1.5-40*
Cobalt	5	7.0	6.0	7.0	7.0	7.0	7.0	8.0	<	5.0	30 or SB	2.5-60*
Copper	1	**210**	**170**	**350**	**300**	**360**	**310**	**130**	**160**	**300**	25 or SB	1-50
Iron	5	**22,000**	**22,000**	**22,000**	**21,000**	**23,000**	**22,000**	**24,000**	**18,000**	**19,000**	2,000 or SB	2,000-550,000
Lead	5	**770**	160	**990**	**890**	**770**	**690**	180	**410**	**530**	SB**	400**
Magnesium	5	3,400	2,000	**6,500**	**6,600**	4,400	4,000	3,400	3,500	**6,200**	SB	100-5,000
Manganese	1	320	230	360	340	350	450	500	240	300	SB	50-5,000
Molybdenum	1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	NV	NV
Nickel	5	**18**	**12**	**23**	**21**	**18**	**21**	**20**	**15**	**15**	13 or SB	0.5-25
Phosphorus	10	730	400	1,800	1,800	1,300	840	600	1,000	600	NV	NV
Potassium	100	990	500	1,800	1,800	1,300	1,200	1,100	720	670	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	68	73	120	130	91	44	50	56	79	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	23	24	23	22	27	22	26	20	21	150 or SB	1-300
Zinc	1	**540**	**130**	**740**	**680**	**620**	**550**	**400**	**320**	**400**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background		
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm	NV	No Value
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit		
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background		
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm				
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives				

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)

PARAMETER (µg/g)	MDL	OS02-71	OS02-71 (LAB DUP)	OS02-72	OS02-73	OS02-BW8 (DUP OF OS02-73)	OS02-74	OS02-75	OS02-76	OS02-77	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (m)	-	0-2	0-2	6-8	0-2	0-2	6-8	0-2	6-8	0-2	-	-
Address	-	22 Bostwick	22 Bostwick	22 Bostwick	14 Bostwick	14 Bostwick	14 Bostwick	14 Bostwick	14 Bostwick	8 Bostwick	-	-
Location	-	Side yard, S/W corner	Side yard, S/W corner	Side yard, S/W corner	Centre of front yard	Centre of front yard	Centre of front yard	Back yard, between pool and garage	Back yard, between pool and garage	South of west edge of house	-	
Sampling Date	-	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	-	-
Aluminum	3	10,000	10,000	13,000	11,000	11,000	12,000	9,000	10,000	11,000	SB	33,000
Barium	0.5	140	140	110	86	85	87	75	65	73	300 or SB	15-600
Beryllium	0.1	0.6	0.6	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.16 or SB	0-1.75
Cadmium	1	1.0	2.0	<	<	<	1.0	<	<	<	1 or SB	0.1-1
Calcium	20	8,800	8,800	5,800	28,000	29,000	56,000	17,000	12,000	4,600	SB	130-35,000*
Chromium	1	21	21	18	19	19	17	18	13	13	10 or SB	1.5-40*
Cobalt	5	7.0	7.0	9.0	8.0	7.0	8.0	6.0	7.0	<	30 or SB	2.5-60*
Copper	1	270	270	240	190	190	200	140	84	64	25 or SB	1-50
Iron	5	24,000	24,000	28,000	24,000	24,000	23,000	19,000	20,000	18,000	2,000 or SB	2,000-550,000
Lead	5	810	800	790	410	390	270	350	160	180	SB**	400**
Magnesium	5	4,000	3,900	4,000	6,100	6,100	7,200	8,700	6,300	2,500	SB	100-5,000
Manganese	1	360	360	580	480	460	510	390	310	260	SB	50-5,000
Molybdenum	1	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	1.0	NV	NV
Nickel	5	28	27	21	23	24	23	17	15	14	13 or SB	0.5-25
Phosphorus	10	1,800	1,800	550	850	850	570	820	480	580	NV	NV
Potassium	100	1,300	1,300	1,300	1,600	1,600	1,300	960	670	1,100	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	110	110	92	54	56	64	63	49	31	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	25	25	30	24	24	23	21	21	22	150 or SB	1-300
Zinc	1	630	620	360	350	340	270	390	210	170	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background

NV No Value

** Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm

TAGM 4046 NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994. Recommended Soil Cleanup Objectives

Table 1 Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)

PARAMETER (µg/g)	MDL	OS02-78	OS02-79	OS02-80	OS02-81	OS02-82	OS02-83	OS02-BW9 (DUP OF OS02-83)	OS02-84	OS02-85	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	–	6-8	0-2	6-8	0-2	6-8	0-2	0-2	6-8	0-0.05	-	-
Address	-	8 Bostwick	8 Bostwick	8 Bostwick	8 Bostwick	8 Bostwick	45 West Second	45 West Second	45 West Second	45 West Second	-	-
Location	-	South of west edge of house	Side yard, N/W of house	Side yard, N/W of house	Back yard, north of house	Back yard, north of house	Centre of front yard	Centre of front yard	Centre of front yard	Back yard, south of garage	-	
Sampling Date	–	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	-	-
Aluminum	3	11,000	11,000	<	12,000	13,000	11,000	12,000	15,000	13,000	SB	**33,000**
Barium	0.5	86	82	89	89	91	80	83	110	78	300 or SB	15-600
Beryllium	0.1	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.5**	**0.63**	**0.7**	**0.6**	0.16 or SB	0-1.75
Cadmium	1	<	<	<	<	<	<	<	<	<	1 or SB	0.1-1
Calcium	20	3,000	18,000	**36,000**	6,100	7,900	8,300	8,500	12,000	5,200	SB	130-35,000*
Chromium	1	**13**	**18**	**20**	**18**	**17**	**15**	**16**	**18**	**16**	10 or SB	1.5-40*
Cobalt	5	8.0	7.0	7.0	8.0	9.0	6.0	6.0	9.0	6.0	30 or SB	2.5-60*
Copper	1	**29**	**130**	**120**	**140**	**130**	**48**	**50**	**44**	**65**	25 or SB	1-50
Iron	5	**22,000**	**23,000**	**23,000**	**26,000**	**27,000**	**20,000**	**21,000**	**27,000**	**22,000**	2,000 or SB	2,000-550,000
Lead	5	75	300	250	260	200	150	150	110	180	SB**	400**
Magnesium	5	2,800	**7,900**	**10,000**	4,500	**5,300**	4,700	**5,200**	**7,400**	3,200	SB	100-5,000
Manganese	1	290	430	440	460	570	300	300	480	230	SB	50-5,000
Molybdenum	1	<	2.0	2.0	1.0	2.0	<	1.0	1.0	1.0	NV	NV
Nickel	5	**15**	**22**	**20**	**23**	**21**	**17**	**18**	**22**	**19**	13 or SB	0.5-25
Phosphorus	10	440	800	690	760	560	660	710	640	900	NV	NV
Potassium	100	880	1,600	1,300	1,400	1,200	1,400	1,700	1,700	1,500	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	31	58	76	49	55	49	54	65	62	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	26	25	26	27	29	21	23	28	25	150 or SB	1-300
Zinc	1	**88**	**290**	**250**	**260**	**210**	**180**	**190**	**160**	**220**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background
**	Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm		
TAGM 4046	NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives		

NV No Value

Table 1 *Metals Analytical Results in Soil – Off-Site Residential Sampling (cont'd)*

PARAMETER (µg/g)	MDL	OS02-86	OS02-87	OS02-88	OS02-89	OS02-89 (LAB DUP)	OS02-90	OS02-91	OS02-92	OS02-93	OS02-94	NYSDEC-TAGM 4046 Cleanup Objectives	NYSDEC-TAGM 4046 Eastern USA Background
Depth (inches)	–	6-8	0-2	6-8	0-2	0-2	6-8	0-2	6-8	0-2	6-8	-	-
Address	-	45 West Second	26 West Second	26 West Second	21 West Third	21 West Third	21 West Third	21 West Third	21 West Third	21 West Third	21 West Third	-	-
Location	-	Back yard, south of garage	Side yard, south of house	Side yard, south of house	Front yard, west of porch	Front yard, west of porch	Front yard, west of porch	Back yard, southeast of house	Back yard, southeast of house	Back yard, east of house	Back yard, east of house	-	
Sampling Date	-	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	02/25/04	-	-
Aluminum	3	19,000	11,000	14,000	12,000	13,000	13,000	11,000	13,000	12,000	13,000	SB	33,000
Barium	0.5	**110**	**89**	**95**	**78**	**80**	**80**	**110**	**110**	**81**	87	300 or SB	15-600
Beryllium	0.1	**0.8**	**0.6**	**0.7**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	**0.6**	0.16 or SB	0-1.75
Cadmium	1	<	**2.0**	<	<	<	<	**2.0**	<	<	<	1 or SB	0.1-1
Calcium	20	2,500	11,000	6,400	8,500	8,500	4,500	8,700	33,000	5,400	3,400	SB	130-35,000*
Chromium	1	**20**	**19**	**18**	**19**	**18**	**15**	**22**	**32**	**17**	**16**	10 or SB	1.5-40*
Cobalt	5	13	8.0	10	7.0	8.0	8.0	7.0	10	7.0	9.0	30 or SB	2.5-60*
Copper	1	22	**500**	**810**	**93**	**95**	**78**	**280**	**460**	**180**	**160**	25 or SB	1-50
Iron	5	**36,000**	**24,000**	**31,000**	**25,000**	**25,000**	**25,000**	**24,000**	**28,000**	**24,000**	**27,000**	2,000 or SB	2,000-550,000
Lead	5	35	**1,200**	**830**	210	210	170	**620**	**400**	**410**	240	SB**	400**
Magnesium	5	4,700	3,300	3,900	4,200	4,300	3,300	3,800	**12,000**	2,800	3,000	SB	100-5,000
Manganese	1	300	390	430	440	450	470	390	710	470	580	SB	50-5,000
Molybdenum	1	<	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	NV	NV
Nickel	5	**24**	**26**	**28**	**19**	**18**	**16**	**22**	**27**	**16**	**18**	13 or SB	0.5-25
Phosphorus	10	290	1,000	550	680	710	460	770	580	870	570	NV	NV
Potassium	100	1,600	1,700	1,400	1,400	1,400	1,000	1,200	1,700	1,200	1,100	SB	8500-43,000*
Silver	1	<	<	<	<	<	<	<	<	<	<	SB	NV
Sodium	10	56	77	65	77	77	89	64	90	83	66	SB	6,000-8,000
Thallium	10	<	<	<	<	<	<	<	<	<	<	SB	NV
Vanadium	1	34	26	33	27	28	28	26	28	28	30	150 or SB	1-300
Zinc	1	**87**	**890**	**670**	**240**	**250**	**170**	**690**	**540**	**370**	**260**	20 or SB	9-50

NOTES:

<	Less than laboratory's detection limits	SB	Site Background
NYSDEC	New York State Department of Environmental Conservation	mg/kg	ppm
Bold	values indicate exceedance of Recommended Soil Cleanup Objectives	MDL	Method Detection Limit
Analysis conducted by Philip Analytical Services Corporation, New York State ELAP ID#10756		*	New York State Background

NV No Value

** Background levels for lead vary widely. Metropolitan/suburban areas or near highways may range from 200-500 ppm. NYSDEC's Background Value for residential is 400 ppm

TAGM 4046 NYSDEC Technical and Administrative Guidance Memorandum 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels" revised January 24, 1994, Recommended Soil Cleanup Objectives

5.1.1 7 Bostwick Place

During the current study, six soil samples and one duplicate soil sample were collected from 7 Bostwick Place (OS02-1 to OS02-6). Soil samples OS02-1 and OS02-2 were obtained from the center of the front yard, while OS02-3, OS02-4, and OS02-BW1 were collected from the side yard (i.e. to the west of the front portion of the house). Samples OS02-5 and OS02-6 were collected from the centre of the back yard, between the house and garage. The lead concentrations in soil samples OS02-1, OS02-2, OS02-4, and OS02-6 were 290 ppm, 87 ppm, 47 ppm, and 330 ppm, respectively. These results are all below the TAGM 4046 Background Value of 400 ppm. Soil samples OS02-3 and OS02-5 (i.e. surface soil samples in side yard and back yard, respectively) indicated lead concentrations of 1,100 ppm and 670 ppm, which are above the TAGM 4046 Background Value of 400 ppm.

Based on the limited sampling, it is inferred that the soil in the side yard and back yard at 7 Bostwick Place is impacted by lead above the TAGM 4046 Background Value of 400 ppm, to a depth of approximately 0.5 feet below grade.

5.1.2 15 Bostwick Place

At 15 Bostwick Place, two soil samples (OS02-7 and OS02-8) were collected from the center of the front yard to the north of the house. The lead concentrations in these two samples were 830 and 1,200 ppm, respectively, both of which exceed the TAGM 4046 Background Value of 400 ppm. A surface soil sample (OS02-9) and a deeper sample (OS02-10) were obtained from a grass-covered area on the northwest corner of the property. The lead concentration in the surface sample (600 ppm) exceeded the Background Value, while the sample at depth (6 to 8 inches) contained a lead concentration (140 ppm) well below the Background Value. Two soil samples (OS02-11 and OS02-12) were collected from the back yard, to the south of the garage. Although the lead concentration in the surface sample was low (39 ppm), the sample collected at 6 to 8 inches contained a lead concentration (690 ppm) that exceeded the TAGM 4046 Background Value. The depth of impacted soil in the front yard and back yard is inferred to be approximately 1 foot.

5.1.3 Empty Lot east of 15 Bostwick Place

Three soil samples (OS02-13, OS02-14, and OS02-BW2) were collected from the north portion of the empty lot adjacent to the east of 15 Bostwick Place, while two soil samples (OS02-15 and OS02-16) were collected from the mid-portion of the lot. Soil samples OS02-17 and OS02-18 were obtained from the south portion of the lot. The lead concentrations detected in soil samples OS02-13, OS02-15, and OS02-17 (i.e. surface soil samples) were 2,100 ppm, 800 ppm, and 2,800 ppm,

which are all higher than the TAGM 4046 Background Value of 400 ppm. The samples collected at depth (OS02-14, OS02-16, and OS02-18) had lead concentrations of 120 ppm, 50 ppm, and 25 ppm, which are all well below the TAGM 4046 Background Value of 400 ppm.

Based on the results of the limited samples, it was inferred that the soil on the entire empty lot east of 15 Bostwick Place is impacted by lead to a depth of approximately 0.5 feet.

5.1.4 *Empty Lot west of 33 Bostwick Place*

Two soil samples (OS02-19 and OS02-20) were collected from the north portion of the empty lot to the west of 33 Bostwick Place. Three soil samples (OS02-21, OS02-22, and OS02-BW3) were collected from the mid-portion of the lot, while two samples (OS02-23 and OS02-24) were obtained from the south portion of the lot. The lead concentrations detected in the soil samples collected at the surface (i.e. OS02-19, OS02-21, and OS02-23) indicated lead concentrations of 1,700 ppm, 2,900 ppm, and 1,800 ppm, all of which exceed the TAGM 4046 Background Value of 400 ppm. However, soil samples collected at depth (OS02-20, OS02-22, and OS02-24) all had lead concentrations significantly below the TAGM 4046 Background Value of 400 ppm (i.e. 18 ppm, 82 ppm, and 29 ppm, respectively).

Based on the results of the limited samples, it was inferred that the soil on the entire empty lot west of 33 Bostwick Place is impacted by lead to a depth of approximately 0.5 feet.

5.1.5 *33 Bostwick Place*

Two soil samples (OS02-25 and OS02-26) were collected from the center of the front yard at 33 Bostwick Place, while two samples (OS02-27 and OS02-28) were obtained from the back yard, to the north of the swing set. The lead concentrations in these four samples were 290 ppm, 120 ppm, 290 ppm, and 630 ppm, respectively. These results are all below the TAGM 4046 Background Value of 400 ppm, with the exception of OS02-28 (630 ppm), which was collected at 6 to 8 inches depth.

The surface sample (OS02-27) above OS02-28 contained a much lower concentration. Based on the results of other impacted surface samples, lead is not expected to have migrated significantly downwards. As such, it is inferred that the soil in the back yard at 33 Bostwick is impacted to a depth of approximately 1 foot.

5.1.6 *37 Bostwick Place*

At 37 Bostwick Place, two soil samples were obtained from the north portion of the front yard (OS02-29 and OS02-30), while two were collected to the west of the

shed in the back yard (OS02-31 and OS02-32). The lead concentrations in the surface soil samples (i.e. OS02-29 and OS02-31) were 2,100 ppm and 690 ppm, both of which exceeded the TAGM 4046 Background Value of 400 ppm. However, the soil samples collected at depth (OS02-30 and OS02-32) had concentrations of 100 ppm and 130 ppm, which were significantly below the TAGM 4046 Background Value of 400 ppm. As such, the soil in the front yard and back yard of 37 Bostwick Place is inferred to be impacted by lead to a depth of approximately 0.5 feet.

5.1.7 *41 Bostwick Place*

At 41 Bostwick Place, two soil samples (OS02-33 and OS02-34) were collected from the center of the front yard located to the west of the concrete driveway. Soil samples OS02-35 and OS02-36 were obtained from the grass-covered area on the northeast portion of the property (i.e. to the east of the driveway). In the mid-east portion of the back yard, soil samples OS02-37 and OS02-38 were collected. The lead concentrations of soil samples OS02-33 (120 ppm) and OS02-34 (44 ppm) were well below the TAGM 4046 Background Value of 400 ppm. Lead concentrations in soil samples OS02-35 and OS02-36 marginally exceeded the TAGM 4046 Background Value with concentrations of 440 ppm and 450 ppm, respectively. Soil samples OS02-37 and OS02-38 indicated lead concentrations of 800 ppm and 700 ppm, respectively, which exceeds the TAGM 4046 Background Value. Based on these results, the soil in the front yard located to the east of the driveway and the back yard at 41 Bostwick Place is inferred to be impacted by lead to a depth of approximately 1 foot.

5.1.8 *50 Bostwick Place*

Two soil samples (OS02-39 and OS02-40) were collected from the side yard (i.e. to the east of the house) at 50 Bostwick Place. Three soil samples (OS02-41, OS02-42, and OS02-BW5) were obtained from the back yard, to the north of the house. The lead concentrations in soil samples OS02-39, OS02-40, and OS02-41 were 310 ppm, 30 ppm, and 270 ppm, which are all below the TAGM 4046 Background Value of 400 ppm. Soil sample OS02-42 indicated a lead concentration of 450 ppm, which marginally exceeds the TAGM 4046 Background Value. Based on these results, the soil in the back yard at 50 Bostwick Place is inferred to be impacted by lead to a depth of approximately 1 foot.

5.1.9 *46 Bostwick Place*

At 46 Bostwick Place, two soil samples (OS02-43 and OS02-44) were collected from the grass-covered area to the east of the rear portion of the house. Soil samples OS02-45 and OS02-46 were obtained from the grass-covered area to the north of the pool and to the west of the garage. Both the surficial soil samples (i.e.

OS02-43 and OS02-45) indicated lead concentrations, which marginally exceed the TAGM 4046 Background Value (420 ppm and 410 ppm, respectively). The two soil samples collected at depth (OS02-44 and OS02-46) had concentrations of 220 ppm and 260 ppm, respectively, which are below the TAGM 4046 Background Value of 400 ppm. Based on these results, the soil in the side yard and back yard at 46 Bostwick is inferred to be impacted by lead to a depth of approximately 0.5 feet.

5.1.10 *40 Bostwick Place*

Two soil samples (OS02-47 and OS02-48) were collected from the center of the front yard at 40 Bostwick Place. The lead concentrations in both samples (290 and 330 ppm, respectively) were below the TAGM 4046 Background Value of 400 ppm. In the back yard, to the west of the garage, two soil samples (OS02-49 and OS02-50) were also obtained. The concentration of lead detected in the surface sample was 470 ppm while the sample from 6 to 8 inches was 160 ppm. Therefore, the soil in the back yard at 40 Bostwick is inferred to be impacted by lead to a depth of approximately 0.5 feet.

5.1.11 *Vacant Lot north of 40 Bostwick Place*

A vacant, grass-covered lot is situated adjacent to the north of 40 Bostwick Place. Two soil samples (OS02-51 and OS02-52) were collected approximately 57 feet to the north of the garage at 40 Bostwick Place. Lead concentrations in these samples were 190 ppm and 46 ppm, which are both significantly below the TAGM 4046 Background Value of 400 ppm.

5.1.12 *Vacant Lot north of 22 Bostwick Place*

Three soil samples (OS02-53, OS02-54, and OS02-BW6) were collected at the vacant, grass-covered lot, approximately 45 feet (13.7 metres) to the north of the garage at 22 Bostwick Place. The analytical results indicated that the lead concentrations in soil samples OS02-53 and OS02-54 were 280 ppm and 230 ppm, respectively. These lead concentrations are both below the TAGM 4046 Background Value of 400 ppm.

5.1.13 *34 Bostwick Place*

Two soil samples (OS02-55 and OS02-56) were collected from the center of the back yard at 34 Bostwick Place. Soil samples OS02-57 and OS02-58 were obtained from the center of the front yard. The concentrations of lead in OS02-55 and OS02-57 (i.e. surface soil samples) were 910 ppm and 1,200 ppm, respectively, which both exceed the TAGM 4046 Background Value of 400 ppm. However, the two soil samples collected at depth (i.e. OS02-56 and OS02-58) were 310 ppm and 390 ppm, which are below the TAGM 4046 Background Value. Based on these

results, the soil in the front yard and back yard at 34 Bostwick is inferred to be impacted by lead to a depth of approximately 0.5 feet.

5.1.14 30 Bostwick Place

Under the advice of Mr. Pietraszek of NYSDEC, soil samples were not collected from the front yard at 30 Bostwick Place, as it appeared to have been raised approximately 1 foot above grade. Mr. Pietraszek indicated that a sample from this raised yard may not be representative; therefore, two representative soil samples (OS02-59 and OS02-60) were collected from the grass-covered right-of-way (not part of 30 Bostwick Place), which is separated from the front yard by a sidewalk (approximately 3 feet wide). Soil samples OS02-61 and OS02-62 were collected from the back yard. The concentration of lead in OS02-59 (i.e. surface soil sample) was 550 ppm, which is above the TAGM 4046 Background Value of 400 ppm. However, the lead concentration in the underlying soil (OS02-60) was 230 ppm. The lead concentrations in the two back yard samples were 150 ppm (OS02-61) and 350 ppm (OS02-62), which are both below the TAGM 4046 Background Value. Since samples were not collected on the front yard due to suspected imported fill, additional samples to depth will need to be collected at this property.

5.1.15 26 Bostwick Place

Two soil samples (OS02-63 and OS02-64) were obtained from the center of the front yard at 26 Bostwick Place, while three soil samples (OS02-65, OS02-66, and OS02-BW7) were collected from the back yard, to the west of the garage. The lead concentrations in OS02-63, OS02-65 and OS02-66 were 770 ppm, 990 ppm, and 770 ppm, respectively. These concentrations are all above the TAGM 4046 Background Value of 400 ppm. Soil sample OS02-64 had a lead concentration of 160 ppm, which is below the TAGM 4046 Background Value. Based on these results, the soil in the front yard and back yard is inferred to be impacted by lead to a depth of approximately 1 foot.

5.1.16 22 Bostwick Place

Six soil samples were collected at 22 Bostwick Place. Soil samples OS02-67 and OS02-68 were collected on the front yard (i.e. on the southeast portion of the property), while OS02-69, OS02-70, OS02-71, and OS02-72 were obtained from the side yard (i.e. to the west of the driveway). The lead concentrations in soil samples OS02-67, OS-69, OS02-70, OS02-71, and OS02-72 were 690 ppm, 410 ppm, 530 ppm, 810 ppm, and 790 ppm, respectively. These concentrations all exceed the TAGM 4046 Background Value of 400 ppm. Soil sample OS02-68 had a lead concentration of 180 ppm, which is below the TAGM 4046 Background Value. Based on these results, the soil in the front yard and side yard at 22

Bostwick Place is inferred to be impacted by lead to a depth of approximately 1 foot.

5.1.17 14 Bostwick Place

At 14 Bostwick Place, two soil samples (OS02-73 and OS02-74) were collected from the west portion of the front yard, while OS02-75 and OS02-76 were collected from the of the back yard, between the garage and pool. The lead concentrations in soil samples OS02-73, OS02-74, OS02-75, and OS02-76 were 410 ppm, 270 ppm, 350 ppm, and 160 ppm, respectively. Of these samples, only the surface sample OS02-73 contained a lead concentration that marginally exceeded the TAGM 4046 Background Value of 400 ppm. Based on these results, the soil in the front yard at 14 Bostwick Place is inferred to be impacted by lead to a depth of approximately 0.5 feet.

5.1.18 8 Bostwick Place

At 8 Bostwick Place, two soil samples (OS02-77 and OS02-78) were obtained from the front yard, to the south of the west edge of the house. Soil samples OS02-79 and OS02-80 were collected from the side yard, to the west of the house, while OS02-81 and OS02-82 were obtained from the centre of the back yard. The lead concentrations in OS02-77, OS02-78, OS02-79, OS02-80, OS02-81, and OS02-82 were 180 ppm, 75 ppm, 300 ppm, 250 ppm, 260 ppm, and 200 ppm. All of these lead concentrations are below the TAGM 4046 Background Value of 400 ppm.

5.1.19 45 West Second Street

Soil samples OS02-83, OS02-BW9, and OS02-84 were collected from the centre of the front yard at 45 West Second Street. Two more soil samples, OS02-85 and OS02-86, were obtained from the centre of the back yard. The analytical results indicate that the lead concentrations in soil samples OS02-83, OS02-84, OS02-85, and OS02-86 were 150 ppm, 110 ppm, 180 ppm, and 35 ppm, respectively. These concentrations are all significantly below the TAGM 4046 Background Value of 400 ppm.

5.1.20 26 West Second Street

During the August 2001 off-site investigation, soil samples were collected in four locations at 26 West Second Street. Due to the large size of this property, two additional samples at one location were collected in the current study, in order to further delineate the extent of lead impacts at this property. Soil samples OS02-87 and OS02-88 were obtained from the side yard, to the south of the house. The lead concentrations detected in these samples were 1,200 and 830 ppm, respectively, which exceeds the TAGM 4046 Background Value of 400 ppm. Based on the current testing and results from the 2001 off-site investigation, the soil in the side

yard and back yard at 26 West Second Street is inferred to be impacted to a depth of approximately 1 foot.

5.1.21 21 West Third Street

At 21 West Third Street, two soil samples (OS02-89 and OS02-90) were obtained from the center of the front yard, to the west of the front porch. Soil samples OS02-91 and OS02-92 were collected from the southwest portion of the back yard, while OS02-93 and OS02-94 were collected from the center of the back yard. Analytical results indicated lead concentrations below the TAGM 4046 Background Value in the front yard, at OS02-89 and OS02-90 (i.e. 210 ppm and 170 ppm, respectively). In the back yard, the surface samples (OS02-91 and OS02-93) contained lead concentrations of 620 ppm and 410 ppm, respectively, both of which exceed the Background Value. The underlying samples at these locations contained lead concentrations of 400 ppm (OS02-92) and 240 ppm (OS02-94). Based on these results, the soil in the back yard at 21 West Third Street is inferred to be impacted by lead to a depth of approximately 1 foot.

5.1.22 2001 Off-Site Investigation

In addition, to the properties tested in the current study, surficial lead-impacted soil was also detected at 3224 (front yard), 3232 (front, side, and back yard), 3236 (front, side, and back yard), 3242 (front and side yard), 3244 (front and back yard), 3246 (front and back yard), and 3248 Walden Avenue (front yard), as well as 23 West Second Street (front and back yard). Samples at depth were not collected at these properties; however, based on the deeper soil results from the current investigation, it is inferred that the soil at these properties are impacted by lead to a depth of approximately 1 foot.

5.1.23 Summary of Soil Results

In summary, the analytical data from the current study and 2001 off-site investigation have shown that elevated levels of metals exist at twenty-four off-site properties near the on-site property. Elevated metals may also be present on a twenty-fifth property, based on results of samples collected on the road right-of-way directly in front of the front yard (i.e. samples were not collected on the front yard). A number of metals, including lead, exceeded the TAGM 4046 Cleanup Objectives or Eastern USA/New York State Background Values (for metals where Cleanup Objectives have not been established). As shown on Figure 2, the concentrations of lead that exceeded the TAGM 4046 Background Values appear to be present in a northeast pattern from about the center of the 3241 Walden Avenue property. The impacted properties were primarily located on the north side of Walden Avenue and Bostwick Place, with some affected residences on West Second and West Third Streets. None of the samples directly north of the properties on

Bostwick Place had lead concentrations above the TAGM 4046 Background Value of 400 ppm. Samples collected at depth (6 to 8 inches) generally showed that impacted surficial soil extended to approximately 0.5 feet, while some areas were inferred to extend to approximately 1 foot. However, any areas which were inferred to be impacted to approximately 0.5 feet would in all likelihood extend to approximately 1 foot during any soil excavation work, due to limitations in the excavation equipment used on residential properties.

5.2 QA/QC

As discussed in Section 3.3, XCG implemented a QA/QC program to ensure that samples were collected, handled, and transported properly. These protocols included using laboratory prepared containers, storage of samples in a dark and cool place (i.e. cooler), delivering samples to the laboratory within standard holding times, and maintaining chain-of-custody records. In addition, XCG submitted blind field duplicate samples (approximately 10%) and retained an ELAP-certified laboratory to conduct the analyses. All these measures were implemented to ensure that analytical results are representative of the subsurface conditions.

As mentioned previously, XCG collected and submitted nine duplicate samples (OS02-BW1 to OS02-BW9) for laboratory analyses of ICAP metals. The lead concentrations in the duplicate samples were within 86 to 100% of the original sample results, with the exception of one duplicate sample, which was within 76% of the original results. PASC conducted laboratory duplicate analyses of OS02-1, OS02-16, OS02-34, OS02-53, OS02-71, and OS02-89. As shown on Table 2, the analytical results of the laboratory duplicate samples were comparable to the original sample, with the variability ranging between 89 and 100 %. Further, the results of PASC's internal QA/QC program (i.e. method blanks, spiked blanks recovery, matrix spike recoveries, and matrix spike duplicate recoveries) were considered representative. PASC's QA/QC Category A report, which includes all the quality control back-up documentation and raw data, is included in Appendix B.

6. LIMITATIONS AND CONCLUSIONS

6.1 Limitations

This supplementary off-site soil investigation focused on identifying the metals concentrations in soils (both surficial and at depth), at selected neighbouring residential properties near 3241 Walden Avenue in Depew, New York.

The conclusions drawn from the supplementary off-site soil investigation were based on information at selected observation and sampling locations on April 24, and 25, 2002, and from previous off-site samples collected in 1999, 2000, and 2001. In addition, the conclusions were based on the parameters that were chemically analyzed. The lateral and vertical extent of lead impacts were inferred from a limited number of samples on each property (i.e. generally two to three samples). Conditions between and beyond these locations may become apparent, during future investigations, which could not be detected or anticipated at the time of this study. The off-site residential properties and sample locations were selected with input from the New York State Department of Environmental Conservation and New York State Department of Health. The testing program was based on limited information provided by persons knowledgeable about the past and current activities on the site. As such, XCG cannot be held responsible for environmental conditions that were not apparent from the available information.

The scope of this report is limited to the matters expressly covered. This report was prepared for the sole benefit of NL Industries Inc., and may not be relied upon by any other person or entity without written authorization of XCG Consultants Ltd. As such, any use or reuse of this document (or the findings, conclusions, or recommendations represented herein), by parties other than NL Industries Inc., or its agents and/or representatives, is at the sole risk of those parties.

6.2 Conclusions

The overall conclusion from this supplementary off-site soil investigation is that soil at twenty-four residential properties near 3241 Walden Avenue contain metals concentrations, including lead, that exceeded the TAGM 4046 Cleanup Objectives or Eastern USA/New York State Background Values to depths inferred to range between approximately 0.5 and 1 foot. Elevated metals may also be present on a twenty-fifth property, based on results of samples collected on the road right-of-way directly in front of the front yard.

Supporting conclusions are as follows:

1. With respect to analytical results:

- During this round of sampling, a total of 94 soil samples were collected at 47 locations on properties north of 3241 Walden Avenue. In addition, nine blind duplicate samples were collected for QA/QC purposes. The majority of the samples were obtained from residential properties on Bostwick Place. Samples were also collected from two properties on West Second Street, and one on West Third Street. Soil samples at each of the sampling locations were collected at surface (i.e. 0-2 inches), and at depth (i.e. 6-8 inches).
- During this round of sampling, the elevated lead concentrations at the off-site properties ranged from 410 ppm to 2,900 ppm. Based on the analytical results, it is estimated that lead-impacted soil to a depth of approximately 0.5 feet is present at the following properties:
  - 7 Bostwick Place (side and back yard)
  - Empty Lot east of 15 Bostwick Place
  - Empty Lot west of 33 Bostwick Place
  - 37 Bostwick Place (front and back yard)
  - 46 Bostwick Place (side and back yard)
  - 40 Bostwick Place (back yard)
  - 34 Bostwick Place (front and back yard)
  - 30 Bostwick Place (potentially on front yard, sample on road right-of-way in front of house contained elevated lead concentrations)
  - 14 Bostwick (front yard)
- The properties inferred to contain lead impacts to a depth of 1 foot are summarized as follows:
  - 15 Bostwick Place (front and back yard)
  - 33 Bostwick Place (back yard)
  - 41 Bostwick Place (front and back yard)
  - 50 Bostwick Place (back yard)
  - 26 Bostwick Place (front and back yard)
  - 22 Bostwick Place (front and side yard)
  - 26 West Second Street (side and back yard)
  - 21 West Third Street (back yard)

- In addition, to the properties tested in the current study, surficial lead-impacted soil was also detected at other properties during the 2001 off-site investigation. Samples at depth were not collected at these properties; however, based on the deeper soil results from the current investigation, it is inferred that the soil at these properties are impacted by lead to a depth of approximately 1 foot. These properties are summarized as follows:
  - 3224 Walden Avenue (front yard)
  - 3232 Walden Avenue (front, side, and back yard)
  - 3236 Walden Avenue (front, side, and back yard)
  - 3242 Walden Avenue (front and side yard)
  - 3244 Walden Avenue (front and back yard)
  - 3246 Walden Avenue (front and back yard)
  - 3248 Walden Avenue (front yard)
  - 23 West Second Street (front and back yard)

APPENDIX A

LABORATORY CERTIFICATES OF ANALYSES

Certificate of Analysis

CLIENT INFORMATION

Attention:	Basil Wong
Client Name:	XCG Consultants Ltd.
Project:	3-997-02-10
Project Desc:	Depew, NY
Address:	2620 Bristol Circle Suite 300 Oakville, Ontario L6H 6Z7
Fax Number:	829-8890 #62
Phone Number:	829-8880

LABORATORY INFORMATION

Contact:	Ada Blythe, B.Sc., C.Chem.
Project:	AN022194
Date Received:	26-Apr-2002
Date Reported:	10-May-2002
Submission No.:	2D1046
Sample No.:	022725-022828

NOTES: *"-" = not analysed "<" = less than Method Detection Limit (MDL) 'NA' = no data available*
LOQ can be determined for all analytes by multiplying the appropriate MDL X 3.33
Blank correction is only performed on oil and grease, BTEX, total purgeable hydrocarbons and VOC analyses when Canadian methods are utilized.
Solids data is based on dry weight except for biota analyses.
Organic analyses are not corrected for extraction recovery standards except for isotope dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)

Methods used by PSC Analytical Services are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', Nineteenth Edition. Other methods are based on the principles of MISA or EPA methodologies. New York State: ELAP Identification Number 10756.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at PSC Analytical Services for a period of three weeks from receipt of data or as per contract.

COMMENTS:

(1) Sample concentration(s) too high to differentiate spike
(2) Matrix interference suspected

Certified by:

			Method	Blank	%	Blank Spike	%				
	Client ID:		Blank	Spike	Recovery	Duplicate	Recovery	OSO2-1	OSO2-1	OSO2-1	OSO2-1
	Lab No.:		022725 02	022725 02	022725 02	022725 02	022725 02	022726 02	022726 02	022726 02	022726 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**							**Duplicate**	**M. Spike**	**MS % Rec.**
								(1)(2)			
Aluminum	3	mg/kg	<	200	99	200	100	12000	12000	14000	<99
Barium	0.5	"	<	99	100	100	100	85	86	190	100
Beryllium	0.1	"	<	50	99	51	100	0.6	0.6	51	100
Cadmium	1	"	<	49	97	49	98	<	<	50	99
Calcium	20	"	<	1000	100	1000	100	6900	6900	7900	100
Chromium	1	"	<	99	99	100	99	21	20	120	100
Cobalt	5	"	<	100	100	100	100	7.0	7.0	110	100
Copper	1	"	<	99	99	100	100	110	120	220	110
Iron	5	"	<	1200	100	1200	100	21000	22000	24000	180
Lead	5	"	<	100	100	95	95	290	290	400	110
Magnesium	5	"	<	1100	98	1100	99	3700	3700	5100	130
Manganese	1	"	<	99	99	100	100	450	480	570	110
Molybdenum	1	"	<	50	100	50	100	2.0	1.0	50	98
Nickel	5	"	<	50	100	50	100	16	16	67	100
Phosphorus	10	"	<	490	97	500	99	930	950	1400	84
Potassium	100	"	<	980	100	830	<	1500	1400	2600	120
Silver	1.0	"	<	51	100	52	100	<	<	51	100
Sodium	10	"	<	980	98	1000	100	44	44	1100	100
Thallium	10	"	<	96	95	97	97	<	<	93	94
Vanadium	1	"	<	50	99	50	100	26	26	79	110
Zinc	1	"	<	190	97	200	99	250	250	470	110

Client ID:			OSO2-1	OSO2-1	OSO2-2	OSO2-3	OSO2-BWI	OSO2-4	OSO2-5	OSO2-6	OSO2-7
Lab No.:			022726 02	022726 02	022727 02	022728 02	022729 02	022730 02	022731 02	022732 02	022733 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**	**MS Dup**	**MSD % Rec.**							
Aluminum	3	mg/kg	14000	<99	12000	9900	9500	13000	9400	8100	11000
Barium	0.5	"	190	100	92	100	92	93	74	70	100
Beryllium	0.1	"	51	100	0.6	0.6	0.5	0.6	0.5	0.5	0.7
Cadmium	1	"	50	99	<	2.0	2.0	<	<	<	1.0
Calcium	20	"	7800	91	58000	7200	6600	3400	6900	14000	11000
Chromium	1	"	120	100	20	43	36	16	30	15	28
Cobalt	5	"	110	100	10	7.0	6.0	10	7.0	7.0	8.0
Copper	1	"	220	100	79	460	360	37	240	170	310
Iron	5	"	23000	110	26000	22000	21000	28000	21000	22000	25000
Lead	5	"	380	95	87	1100	840	47	670	330	830
Magnesium	5	"	5100	130	18000	3400	3200	3000	3300	5900	5300
Manganese	1	"	550	85	510	360	340	640	350	400	500
Molybdenum	1	"	50	97	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Nickel	5	"	68	100	26	24	20	14	20	20	27
Phosphorus	10	"	1300	78	600	1200	1100	370	870	580	1200
Potassium	100	"	2600	110	1800	1000	960	1100	1100	960	1800
Silver	1.0	"	51	100	<	1.2	<	<	<	<	<
Sodium	10	"	1100	100	100	60	55	49	49	55	76
Thallium	10	"	96	97	<	<	<	<	<	<	<
Vanadium	1	"	78	100	26	25	24	30	23	20	26
Zinc	1	"	460	100	130	730	590	76	480	230	620

	Client ID:		OSO2-8	OSO2-9	OSO2-10	OSO2-11	OSO2-12	OSO2-13	OSO2-BW2	OSO2-14	OSO2-15
	Lab No.:		022734 02	022735 02	022736 02	022737 02	022738 02	022739 02	022740 02	022741 02	022742 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	11000	10000	15000	8400	12000	9500	11000	15000	11000
Barium	0.5	"	130	83	130	60	130	110	110	96	87
Beryllium	0.1	"	0.8	0.5	0.8	0.4	0.7	0.7	0.7	0.7	0.6
Cadmium	1	"	1.0	<	<	<	1.0	3.0	3.0	<	2.0
Calcium	20	"	8700	6700	5200	17000	10000	7500	7800	2900	10000
Chromium	1	"	17	20	20	12	16	21	23	19	19
Cobalt	5	"	8.0	6.0	10	5.0	13	7.0	7.0	10	7.0
Copper	1	"	1300	260	110	25	550	1700	1200	67	440
Iron	5	"	27000	20000	29000	16000	34000	25000	26000	30000	24000
Lead	5	"	1200	600	140	39	690	2100	1800	120	800
Magnesium	5	"	3100	3100	4900	8700	5800	2600	3100	3600	4300
Manganese	1	"	440	300	590	370	1200	530	540	720	410
Molybdenum	1	"	2.0	2.0	2.0	1.0	3.0	3.0	3.0	2.0	2.0
Nickel	5	"	32	21	29	12	22	40	37	19	24
Phosphorus	10	"	830	1100	600	710	640	1000	1100	560	940
Potassium	100	"	1200	1200	1500	950	1200	1200	1400	1200	1300
Silver	1.0	"	<	<	<	<	<	1.4	1.1	<	<
Sodium	10	"	120	96	180	55	67	83	73	47	56
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	27	22	31	19	34	26	28	31	26
Zinc	1	"	830	470	180	95	550	1400	1200	140	600

	Client ID:		OSO2-16	OSO2-16	OSO2-16	OSO2-16	OSO2-16	OSO2-16	OSO2-17	OSO2-18	OSO2-19
	Lab No.:		022743 02	022743 02	022743 02	022743 02	022743 02	022743 02	022744 02	022745 02	022746 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**		**Duplicate**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**			
Aluminum	3	mg/kg	13000	12000	14000	980(1)	15000	(1)	6700	14000	7900
Barium	0.5	"	74	73	170	97	180	100	110	90	76
Beryllium	0.1	"	0.6	0.6	51	100	52	100	0.5	0.7	0.5
Cadmium	1	"	<	<	49	98	51	100	4.0	<	3.0
Calcium	20	"	2700	2700	3600	95	3700	110	8900	2300	8100
Chromium	1	"	15	15	110	100	120	100	22	16	20
Cobalt	5	"	8.0	8.0	110	100	110	110	7.0	10	6.0
Copper	1	"	42	40	140	95	140	98	1400	29	790
Iron	5	"	26000	26000	27000	91	28000	170	23000	29000	20000
Lead	5	"	50	45	140	94	150	99	2800	25	1700
Magnesium	5	"	3100	3100	4200	100	4300	110	1900	3500	2600
Manganese	1	"	560	570	650	87	660	96	650	520	390
Molybdenum	1	"	2.0	1.0	49	95	51	98	3.0	1.0	2.0
Nickel	5	"	13	14	65	100	67	110	37	19	31
Phosphorus	10	"	380	370	770	78	790	83	1100	310	1200
Potassium	100	"	930	890	1900	(1)	2000	110	780	1100	870
Silver	1.0	"	<	<	49	98	50	100	1.1	<	<
Sodium	10	"	44	44	1000	97	1100	100	410	370	68
Thallium	10	"	<	<	98	93	100	96	<	<	<
Vanadium	1	"	29	28	79	100	81	110	22	31	22
Zinc	1	"	89	87	290	100	300	110	1800	96	990

	Client ID:		OSO2-20	OSO2-21	OSO2-22	OSO2-BW3	OSO2-23	OSO2-24	OSO2-25	OSO2-26	OSO2-27
	Lab No.:		022747 02	022748 02	022749 02	022750 02	022751 02	022752 02	022753 02	022754 02	022755 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	12000	6800	12000	12000	7700	13000	8200	10000	11000
Barium	0.5	"	75	100	70	69	130	89	78	76	96
Beryllium	0.1	"	0.6	0.6	0.6	0.6	0.5	0.7	0.5	0.5	0.6
Cadmium	1	"	<	4.0	<	<	2.0	<	<	<	1.0
Calcium	20	"	2000	8200	2000	2100	7700	2300	7000	2900	40000
Chromium	1	"	15	21	14	14	19	15	25	12	18
Cobalt	5	"	6.0	7.0	7.0	7.0	7.0	9.0	8.0	7.0	9.0
Copper	1	"	23	2000	70	79	800	27	130	78	160
Iron	5	"	23000	23000	24000	24000	20000	27000	21000	20000	24000
Lead	5	"	18	2900	82	89	1800	29	290	120	290
Magnesium	5	"	2700	1900	2900	2800	2200	3500	2800	2500	15000
Manganese	1	"	450	520	440	480	430	370	360	370	470
Molybdenum	1	"	<	3.0	1.0	2.0	2.0	<	<	1.0	1.0
Nickel	5	"	13	38	14	14	23	19	17	15	24
Phosphorus	10	"	280	1400	410	410	920	320	1200	470	710
Potassium	100	"	790	690	810	800	820	1100	2000	660	1700
Silver	1.0	"	<	2.0	<	<	<	<	<	<	<
Sodium	10	"	36	250	120	120	410	270	52	77	100
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	27	22	27	26	23	29	29	22	24
Zinc	1	"	57	1400	97	100	1000	100	230	110	330

Client ID:		OSO2-28	OSO2-29	OSO2-30	OSO2-31	OSO2-32	OSO2-BW4	OSO2-33	OSO2-34	OSO2-34
Lab No.:		022756 02	022757 02	022758 02	022759 02	022760 02	022761 02	022762 02	022763 02	022763 02
Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**								**Duplicate**
									(1)	
Aluminum	3	mg/kg	11000	7600	11000	11000	11000	11000	9300	12000	12000
Barium	0.5	"	150	120	67	110	88	90	68	99	98
Beryllium	0.1	"	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.7	0.6
Cadmium	1	"	1.0	4.0	<	1.0	<	<	<	<	<
Calcium	20	"	12000	7100	2900	33000	55000	60000	4100	29000	28000
Chromium	1	"	16	22	12	19	17	18	14	16	16
Cobalt	5	"	8.0	7.0	7.0	9.0	10	10	7.0	9.0	9.0
Copper	1	"	330	1000	83	430	120	110	67	41	37
Iron	5	"	24000	24000	21000	25000	25000	26000	20000	25000	25000
Lead	5	"	630	2100	100	690	130	130	120	44	44
Magnesium	5	"	5500	2000	2400	13000	18000	19000	2700	11000	11000
Manganese	1	"	370	490	460	450	440	460	430	510	500
Molybdenum	1	"	1.0	2.0	<	1.0	1.0	1.0	1.0	1.0	1.0
Nickel	5	"	19	36	13	27	25	25	18	22	22
Phosphorus	10	"	610	1000	390	760	600	600	820	540	540
Potassium	100	"	1100	1200	850	1700	1700	1800	920	1200	1200
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	98	170	100	110	120	120	40	70	67
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	26	23	23	25	23	24	21	26	26
Zinc	1	"	480	1500	120	610	170	160	140	86	84

Client ID:			OSO2-34	OSO2-34	OSO2-34	OSO2-34	OSO2-35	OSO2-36	OSO2-37	OSO2-38	OSO2-39
Lab No.:			022763 02	022763 02	022763 02	022763 02	022764 02	022765 02	022766 02	022767 02	022768 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**					
Aluminum	3	mg/kg	14000	720	14000	560	8500	10000	6700	10000	7200
Barium	0.5	"	200	99	200	97	90	93	140	170	59
Beryllium	0.1	"	50	98	50	98	0.5	0.6	0.4	0.6	0.4
Cadmium	1	"	49	98	49	98	<	1.0	1.0	2.0	<
Calcium	20	"	29000	30	29000	<	13000	32000	31000	40000	7900
Chromium	1	"	110	96	110	95	15	17	15	18	12
Cobalt	5	"	110	97	110	96	6.0	9.0	6.0	9.0	6.0
Copper	1	"	140	97	130	96	180	360	320	490	160
Iron	5	"	26000	62	26000	62	19000	24000	17000	24000	18000
Lead	5	"	140	94	140	95	440	450	800	700	310
Magnesium	5	"	13000	100	12000	85	5900	12000	13000	13000	4000
Manganese	1	"	600	91	610	110	380	440	320	470	370
Molybdenum	1	"	47	91	47	92	2.0	2.0	2.0	2.0	1.0
Nickel	5	"	70	97	70	95	20	27	18	28	16
Phosphorus	10	"	1000	93	1000	91	790	670	1300	2200	640
Potassium	100	"	2200	110	2200	110	1100	1300	1200	1800	1200
Silver	1.0	"	49	99	49	99	<	<	<	<	<
Sodium	10	"	1100	100	1100	99	62	120	110	120	50
Thallium	10	"	91	89	93	92	<	<	<	<	<
Vanadium	1	"	75	98	75	98	20	24	17	24	18
Zinc	1	"	280	97	280	97	340	440	610	900	260

Client ID:			OSO2-40	OSO2-41	OSO2-BW5	OSO2-42	OSO2-43	OSO2-44	OSO2-45	OSO2-46	OSO2-47
Lab No.:			022769 02	022770 02	022771 02	022772 02	022773 02	022774 02	022775 02	022776 02	022777 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	7700	12000	12000	12000	9800	13000	9600	13000	11000
Barium	0.5	"	66	100	100	130	75	110	100	190	57
Beryllium	0.1	"	0.4	0.7	0.7	0.6	0.5	0.7	0.6	0.9	0.5
Cadmium	1	"	<	<	<	1.0	2.0	<	1.0	<	<
Calcium	20	"	9500	4300	4400	4300	7700	29000	7200	5800	3300
Chromium	1	"	10	16	16	17	18	19	25	18	18
Cobalt	5	"	6.0	8.0	8.0	8.0	7.0	11	6.0	8.0	6.0
Copper	1	"	38	110	120	230	180	180	170	180	140
Iron	5	"	17000	26000	26000	27000	22000	28000	17000	25000	21000
Lead	5	"	30	270	280	450	420	220	410	260	290
Magnesium	5	"	5000	3300	3300	3300	4300	12000	3200	2900	2700
Manganese	1	"	380	420	410	410	520	560	240	410	300
Molybdenum	1	"	1.0	3.0	2.0	2.0	2.0	2.0	1.0	3.0	2.0
Nickel	5	"	15	20	21	19	21	27	20	20	18
Phosphorus	10	"	420	930	980	830	990	630	1200	1100	540
Potassium	100	"	850	1200	1200	1100	1400	1600	1100	1200	900
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	42	44	47	69	52	92	53	100	61
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	18	24	24	27	22	28	21	33	22
Zinc	1	"	62	220	220	310	380	230	390	260	280

Client ID:		OSO2-48	OSO2-49	OSO2-50	OSO2-51	OSO2-52	OSO2-53	OSO2-53	OSO2-53	OSO2-53
Lab No.:		022778 02	022779 02	022780 02	022781 02	022782 02	022783 02	022783 02	022783 02	022783 02
Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**					(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**
Aluminum	3	mg/kg	10000	9700	12000	11000	18000	11000	11000	14000	<99
Barium	0.5	"	86	89	90	77	130	88	87	190	99
Beryllium	0.1	"	0.5	0.6	0.6	0.6	1.2	0.6	0.6	51	100
Cadmium	1	"	<	1.0	<	<	<	<	<	51	99
Calcium	20	"	21000	14000	30000	3300	2500	4700	4700	5600	90
Chromium	1	"	19	26	17	15	21	16	17	120	100
Cobalt	5	"	7.0	7.0	9.0	8.0	18	8.0	7.0	110	100
Copper	1	"	200	210	150	120	43	170	170	270	97
Iron	5	"	20000	21000	25000	25000	36000	25000	24000	26000	92
Lead	5	"	330	470	160	190	46	280	270	370	96
Magnesium	5	"	8900	7100	11000	3200	5400	3400	3400	4500	110
Manganese	1	"	360	410	420	390	840	350	320	430	98
Molybdenum	1	"	2.0	1.0	2.0	2.0	<	2.0	2.0	49	95
Nickel	5	"	19	20	22	18	32	20	18	71	100
Phosphorus	10	"	610	730	520	590	330	860	840	1200	74
Potassium	100	"	1000	1300	1400	1200	1600	1400	1400	2400	100
Silver	1.0	"	<	<	<	<	<	<	<	50	100
Sodium	10	"	64	58	78	30	33	31	31	1000	99
Thallium	10	"	<	<	<	<	<	<	<	98	98
Vanadium	1	"	22	23	26	26	34	27	26	78	100
Zinc	1	"	330	410	180	160	110	260	250	470	110

Client ID:			OSO2-53	OSO2-53	OSO2-BW6	OSO2-54	OSO2-55	OSO2-56	OSO2-57	OSO2-58	OSO2-59
Lab No.:			022783 02	022783 02	022784 02	022785 02	022786 02	022787 02	022788 02	022789 02	022790 02
Date Sampled:			25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**	**MS Dup**	**MSD % Rec.**							
Aluminum	3	mg/kg	13000	800	11000	12000	4500	7900	8000	10000	8700
Barium	0.5	"	180	95	85	88	120	140	160	92	97
Beryllium	0.1	"	50	99	0.6	0.6	0.4	0.8	0.4	0.5	0.5
Cadmium	1	"	50	98	<	<	3.0	<	2.0	<	1.0
Calcium	20	"	5500	77	4500	3600	76000	13000	6400	3800	25000
Chromium	1	"	120	98	15	15	24	14	24	14	22
Cobalt	5	"	110	100	7.0	9.0	<	9.0	5.0	5.0	6.0
Copper	1	"	260	93	160	160	310	170	480	230	240
Iron	5	"	25000	39	24000	26000	19000	21000	18000	18000	21000
Lead	5	"	370	91	270	230	910	310	1200	390	550
Magnesium	5	"	4400	94	3300	3300	6100	3700	2100	2300	6500
Manganese	1	"	420	85	320	470	290	350	280	250	420
Molybdenum	1	"	49	95	2.0	2.0	2.0	3.0	2.0	2.0	2.0
Nickel	5	"	70	100	17	17	22	21	21	15	18
Phosphorus	10	"	1200	68	790	570	910	800	780	480	720
Potassium	100	"	2300	<	1200	1000	700	1100	920	750	1100
Silver	1.0	"	49	98	<	<	<	<	<	<	<
Sodium	10	"	1000	98	30	33	95	200	58	39	86
Thallium	10	"	95	95	<	<	<	<	<	<	<
Vanadium	1	"	77	100	26	28	15	42	19	20	21
Zinc	1	"	460	100	240	190	950	270	940	320	680

Client ID:			OSO2-60	OSO2-61	OSO2-62	OSO2-63	OSO2-64	OSO2-BW7	OSO2-65	OSO2-66	OSO2-67
Lab No.:			022791 02	022792 02	022793 02	022794 02	022795 02	022796 02	022797 02	022798 02	022799 02
Date Sampled:			25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	11000	6400	9700	9800	10000	8800	9200	10000	9400
Barium	0.5	"	87	65	130	170	75	260	230	300	170
Beryllium	0.1	"	0.5	0.3	0.5	0.5	0.5	0.6	0.6	0.7	0.5
Cadmium	1	"	<	<	2.0	1.0	<	2.0	1.0	2.0	2.0
Calcium	20	"	18000	23000	17000	8200	3700	15000	14000	11000	6800
Chromium	1	"	14	11	15	26	11	22	21	20	16
Cobalt	5	"	6.0	<	6.0	7.0	6.0	7.0	7.0	7.0	7.0
Copper	1	"	110	86	160	210	170	300	350	360	310
Iron	5	"	20000	12000	21000	22000	22000	21000	22000	23000	22000
Lead	5	"	230	150	350	770	160	890	990	770	690
Magnesium	5	"	6700	10000	5500	3400	2000	6600	6500	4400	4000
Manganese	1	"	320	240	300	320	230	340	360	350	450
Molybdenum	1	"	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
Nickel	5	"	16	11	18	18	12	21	23	18	21
Phosphorus	10	"	470	760	940	730	400	1800	1800	1300	840
Potassium	100	"	900	920	880	990	500	1800	1800	1300	1200
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	110	57	64	68	73	130	120	91	44
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	23	14	22	23	24	22	23	27	22
Zinc	1	"	210	190	390	540	130	680	740	620	550

	Client ID:		OSO2-68	OSO2-69	OSO2-70	OSO2-71	OSO2-71	OSO2-71	OSO2-71	OSO2-71	OSO2-71
	Lab No.:		022800 02	022801 02	022802 02	022803 02	022803 02	022803 02	022803 02	022803 02	022803 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**				(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**
Aluminum	3	mg/kg	12000	8000	8500	10000	10000	13000	<99	12000	**<99**
Barium	0.5	"	180	73	83	140	140	240	100	230	**96**
Beryllium	0.1	"	0.6	0.4	0.5	0.6	0.6	50	100	50	100
Cadmium	1	"	1.0	1.0	1.0	1.0	2.0	51	100	52	100
Calcium	20	"	4600	7100	12000	8800	8800	9800	96	9800	98
Chromium	1	"	14	13	13	21	21	120	100	120	100
Cobalt	5	"	8.0	<	5.0	7.0	7.0	110	100	110	100
Copper	1	"	130	160	300	270	270	390	110	370	94
Iron	5	"	24000	18000	19000	24000	24000	26000	160	25000	94
Lead	5	"	180	410	530	810	800	920	110	890	83
Magnesium	5	"	3400	3500	6200	4000	3900	5200	120	5200	120
Manganese	1	"	500	240	300	360	360	460	100	460	95
Molybdenum	1	"	2.0	2.0	2.0	2.0	2.0	50	95	50	95
Nickel	5	"	20	15	15	28	27	80	100	87	120
Phosphorus	10	"	600	1000	600	1800	1800	2100	75	2100	67
Potassium	100	"	1100	720	670	1300	1300	2400	110	2500	120
Silver	1.0	"	<	<	<	<	<	49	98	49	98
Sodium	10	"	50	56	79	110	110	1100	99	1100	98
Thallium	10	"	<	<	<	<	<	96	92	93	90
Vanadium	1	"	26	20	21	25	25	78	100	77	100
Zinc	1	"	400	320	400	630	620	850	110	820	97

Client ID:		OSO2-72	OSO2-73	OSO2-BW8	OSO2-74	OSO2-75	OSO2-76	OSO2-77	OSO2-78	OSO2-79
Lab No.:		022804 02	022805 02	022806 02	022807 02	022808 02	022809 02	022810 02	022811 02	022812 02
Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**								
Aluminum	3	mg/kg	13000	11000	11000	12000	9000	10000	11000	11000	11000
Barium	0.5	"	110	86	85	87	75	65	73	86	82
Beryllium	0.1	"	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
Cadmium	1	"	<	<	<	1.0	<	<	<	<	<
Calcium	20	"	5800	28000	29000	56000	17000	12000	4600	3000	18000
Chromium	1	"	18	19	19	17	18	13	13	13	18
Cobalt	5	"	9.0	8.0	7.0	8.0	6.0	7.0	<	8.0	7.0
Copper	1	"	240	190	190	200	140	84	64	29	130
Iron	5	"	28000	24000	24000	23000	19000	20000	18000	22000	23000
Lead	5	"	790	410	390	270	350	160	180	75	300
Magnesium	5	"	4000	6100	6100	7200	8700	6300	2500	2800	7900
Manganese	1	"	580	480	460	510	390	310	260	290	430
Molybdenum	1	"	2.0	2.0	2.0	2.0	2.0	2.0	1.0	<	2.0
Nickel	5	"	21	23	24	23	17	15	14	15	22
Phosphorus	10	"	550	850	850	570	820	480	580	440	800
Potassium	100	"	1300	1600	1600	1300	960	670	1100	880	1600
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	92	54	56	64	63	49	31	31	58
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	30	24	24	23	21	21	22	26	25
Zinc	1	"	360	350	340	270	390	210	170	88	290

	Client ID:		OSO2-80	OSO2-81	OSO2-82	OSO2-83	OSO2-BW9	OSO2-84	OSO2-85	OSO2-86	OSO2-87
	Lab No.:		022813 02	022814 02	022815 02	022816 02	022817 02	022818 02	022819 02	022820 02	022821 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	12000	12000	13000	11000	12000	15000	13000	19000	11000
Barium	0.5	"	89	89	91	80	83	110	78	110	89
Beryllium	0.1	"	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.8	0.6
Cadmium	1	"	<	<	<	<	<	<	<	<	2.0
Calcium	20	"	36000	6100	7900	8300	8500	12000	5200	2500	11000
Chromium	1	"	20	18	17	15	16	18	16	20	19
Cobalt	5	"	7.0	8.0	9.0	6.0	6.0	9.0	6.0	13	8.0
Copper	1	"	120	140	130	48	50	44	65	22	500
Iron	5	"	23000	26000	27000	20000	21000	27000	22000	36000	24000
Lead	5	"	250	260	200	150	150	110	180	35	1200
Magnesium	5	"	10000	4500	5300	4700	5200	7400	3200	4700	3300
Manganese	1	"	440	460	570	300	300	480	230	300	390
Molybdenum	1	"	2.0	1.0	2.0	<	1.0	1.0	1.0	<	2.0
Nickel	5	"	20	23	21	17	18	22	19	24	26
Phosphorus	10	"	690	760	560	660	710	640	900	290	1000
Potassium	100	"	1300	1400	1200	1400	1700	1700	1500	1600	1700
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	76	49	55	49	54	65	62	56	77
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	26	27	29	21	23	28	25	34	26
Zinc	1	"	250	260	210	180	190	160	220	87	890

Client ID:			OSO2-88	OSO2-89	OSO2-89	OSO2-89	OSO2-89	OSO2-89	OSO2-89	OSO2-90	OSO2-91
Lab No.:			022822 02	022823 02	022823 02	022823 02	022823 02	022823 02	022823 02	022824 02	022825 02
Date Sampled:			25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**		(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**		
Aluminum	3	mg/kg	14000	12000	13000	15000	<99	14000	700	13000	11000
Barium	0.5	"	95	78	80	180	100	180	99	80	110
Beryllium	0.1	"	0.7	0.6	0.6	51	100	50	98	0.6	0.6
Cadmium	1	"	<	<	<	50	100	49	97	<	2.0
Calcium	20	"	6400	8500	8500	9400	88	9100	59	4500	8700
Chromium	1	"	18	19	18	120	100	120	96	15	22
Cobalt	5	"	10	7.0	8.0	110	100	110	99	8.0	7.0
Copper	1	"	810	93	95	190	100	190	96	78	280
Iron	5	"	31000	25000	25000	26000	99	25000	13	25000	24000
Lead	5	"	830	210	210	300	94	290	80	170	620
Magnesium	5	"	3900	4200	4300	5800	140	5600	120	3300	3800
Manganese	1	"	430	440	450	540	99	540	100	470	390
Molybdenum	1	"	3.0	2.0	2.0	50	96	49	94	2.0	2.0
Nickel	5	"	28	19	18	70	100	66	95	16	22
Phosphorus	10	"	550	680	710	1100	78	1100	71	460	770
Potassium	100	"	1400	1400	1400	2600	120	2400	<	1000	1200
Silver	1.0	"	<	<	<	50	100	49	98	<	<
Sodium	10	"	65	77	77	1100	100	1100	98	89	64
Thallium	10	"	<	<	<	96	94	94	92	<	<
Vanadium	1	"	33	27	28	80	110	77	99	28	26
Zinc	1	"	670	240	250	440	100	430	94	170	690

	Client ID:		OSO2-92	OSO2-93	OSO2-94
	Lab No.:		022826 02	022827 02	022828 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**			
Aluminum	3	mg/kg	13000	12000	13000
Barium	0.5	"	110	81	87
Beryllium	0.1	"	0.6	0.6	0.6
Cadmium	1	"	<	<	<
Calcium	20	"	33000	5400	3400
Chromium	1	"	32	17	16
Cobalt	5	"	10	7.0	9.0
Copper	1	"	460	180	160
Iron	5	"	28000	24000	27000
Lead	5	"	400	410	240
Magnesium	5	"	12000	2800	3000
Manganese	1	"	710	470	580
Molybdenum	1	"	2.0	2.0	2.0
Nickel	5	"	27	16	18
Phosphorus	10	"	580	870	570
Potassium	100	"	1700	1200	1100
Silver	1.0	"	<	<	<
Sodium	10	"	90	83	66
Thallium	10	"	<	<	<
Vanadium	1	"	28	28	30
Zinc	1	"	540	370	260

APPENDIX B

PASC CATEGORY A REPORT

ANALYTICAL SERVICES

Inorganic Data Package

For

XCG Consultants Ltd.

Project #: 3-997-02-10

Prepared by PSC Analytical Services Corp.

5555 North Service Road

Burlington, ON

Canada L7L 5H7

PSC Project #: AN022194

Submission #(s): 2D1046

PSC Sample ID: 022725 02 – 022828 02

Prepared By: Tara Bovenkamp - Project Manager Assistant

Reviewed By: Ada Blythe – Project Manager

1. CASE NARRATIVE

PROJECT NARRATIVE

PHILIP Analytical Services Inc (Burlington ON)
Philip Project: AN022194
Philip Submission #:2D1046

Client: XCG Consultants Ltd.
Client Project: 3-997-02-10

I. SAMPLE RECEIPT/ANALYSIS

a) Sample Listing

Philip ID	Client Sample ID	Date Sampled	Date Received	Date Prepped	Run Date
Metals via SW846 Method 6010					
022726 02	OSO2-1	02/04/24	02/04/26	02/05/08	02/05/08
022727 02	OSO2-2	02/04/24	02/04/26	02/05/08	02/05/08
022728 02	OSO2-3	02/04/24	02/04/26	02/05/08	02/05/08
022729 02	OSO2-BW1	02/04/24	02/04/26	02/05/08	02/05/08
022730 02	OSO2-4	02/04/24	02/04/26	02/05/08	02/05/08
022731 02	OSO2-5	02/04/24	02/04/26	02/05/08	02/05/08
022732 02	OSO2-6	02/04/24	02/04/26	02/05/08	02/05/08
022733 02	OSO2-7	02/04/24	02/04/26	02/05/08	02/05/08
022734 02	OSO2-8	02/04/24	02/04/26	02/05/08	02/05/08
022735 02	OSO2-9	02/04/24	02/04/26	02/05/08	02/05/08
022736 02	OSO2-10	02/04/24	02/04/26	02/05/08	02/05/08
022737 02	OSO2-11	02/04/24	02/04/26	02/05/08	02/05/08
022738 02	OSO2-12	02/04/24	02/04/26	02/05/08	02/05/08
022739 02	OSO2-13	02/04/24	02/04/26	02/05/08	02/05/08
022740 02	OSO2-BW2	02/04/24	02/04/26	02/05/08	02/05/08
022741 02	OSO2-14	02/04/24	02/04/26	02/05/08	02/05/08
022742 02	OSO2-15	02/04/24	02/04/26	02/05/08	02/05/08
022743 02	OSO2-16	02/04/24	02/04/26	02/05/02	02/05/03
022744 02	OSO2-17	02/04/24	02/04/26	02/05/02	02/05/03
022745 02	OSO2-18	02/04/24	02/04/26	02/05/02	02/05/03
022746 02	OSO2-19	02/04/24	02/04/26	02/05/02	02/05/03
022747 02	OSO2-20	02/04/24	02/04/26	02/05/02	02/05/03
022748 02	OSO2-21	02/04/24	02/04/26	02/05/02	02/05/03
022749 02	OSO2-22	02/04/24	02/04/26	02/05/02	02/05/03
022750 02	OSO2-BW3	02/04/24	02/04/26	02/05/02	02/05/03
022751 02	OSO2-23	02/04/24	02/04/26	02/05/02	02/05/03
022752 02	OSO2-24	02/04/24	02/04/26	02/05/02	02/05/03
022753 02	OSO2-25	02/04/24	02/04/26	02/05/02	02/05/03
022754 02	OSO2-26	02/04/24	02/04/26	02/05/02	02/05/03
022755 02	OSO2-27	02/04/24	02/04/26	02/05/02	02/05/03
022756 02	OSO2-28	02/04/24	02/04/26	02/05/02	02/05/03
022757 02	OSO2-29	02/04/24	02/04/26	02/05/02	02/05/03
022758 02	OSO2-30	02/04/24	02/04/26	02/05/02	02/05/03
022759 02	OSO2-31	02/04/24	02/04/26	02/05/02	02/05/03

022760 02	OSO2-32	02/04/24	02/04/26	02/05/02	02/05/03
022761 02	OSO2-BW4	02/04/24	02/04/26	02/05/02	02/05/03
022762 02	OSO2-33	02/04/24	02/04/26	02/05/02	02/05/03
022763 02	OSO2-34	02/04/24	02/04/26	02/05/02	02/05/06
022764 02	OSO2-35	02/04/24	02/04/26	02/05/02	02/05/06
022765 02	OSO2-36	02/04/24	02/04/26	02/05/02	02/05/06
022766 02	OSO2-37	02/04/24	02/04/26	02/05/02	02/05/06
022767 02	OSO2-38	02/04/24	02/04/26	02/05/02	02/05/06
022768 02	OSO2-39	02/04/24	02/04/26	02/05/02	02/05/06
022769 02	OSO2-40	02/04/24	02/04/26	02/05/02	02/05/06
022770 02	OSO2-41	02/04/24	02/04/26	02/05/02	02/05/06
022771 02	OSO2-BW5	02/04/24	02/04/26	02/05/02	02/05/06
022772 02	OSO2-42	02/04/24	02/04/26	02/05/02	02/05/06
022773 02	OSO2-43	02/04/24	02/04/26	02/05/02	02/05/06
022774 02	OSO2-44	02/04/24	02/04/26	02/05/02	02/05/06
022775 02	OSO2-45	02/04/24	02/04/26	02/05/02	02/05/06
022776 02	OSO2-46	02/04/24	02/04/26	02/05/02	02/05/06
022777 02	OSO2-47	02/04/24	02/04/26	02/05/02	02/05/06
022778 02	OSO2-48	02/04/24	02/04/26	02/05/02	02/05/06
022779 02	OSO2-49	02/04/24	02/04/26	02/05/02	02/05/06
022780 02	OSO2-50	02/04/24	02/04/26	02/05/02	02/05/06
022781 02	OSO2-51	02/04/24	02/04/26	02/05/02	02/05/06
022782 02	OSO2-52	02/04/24	02/04/26	02/05/02	02/05/06
022783 02	OSO2-53	02/04/25	02/04/26	02/05/02	02/05/06
022784 02	OSO2-BW6	02/04/25	02/04/26	02/05/02	02/05/06
022785 02	OSO2-54	02/04/25	02/04/26	02/05/02	02/05/06
022786 02	OSO2-55	02/04/25	02/04/26	02/05/02	02/05/06
022787 02	OSO2-56	02/04/25	02/04/26	02/05/02	02/05/06
022788 02	OSO2-57	02/04/25	02/04/26	02/05/02	02/05/06
022789 02	OSO2-58	02/04/25	02/04/26	02/05/02	02/05/06
022790 02	OSO2-59	02/04/25	02/04/26	02/05/02	02/05/06
022791 02	OSO2-60	02/04/25	02/04/26	02/05/02	02/05/06
022792 02	OSO2-61	02/04/25	02/04/26	02/05/02	02/05/06
022793 02	OSO2-62	02/04/25	02/04/26	02/05/02	02/05/06
022794 02	OSO2-63	02/04/25	02/04/26	02/05/02	02/05/06
022795 02	OSO2-64	02/04/25	02/04/26	02/05/02	02/05/06
022796 02	OSO2-BW7	02/04/25	02/04/26	02/05/02	02/05/06
022797 02	OSO2-65	02/04/25	02/04/26	02/05/02	02/05/06
022798 02	OSO2-66	02/04/25	02/04/26	02/05/02	02/05/06
022799 02	OSO2-67	02/04/25	02/04/26	02/05/02	02/05/06
022800 02	OSO2-68	02/04/25	02/04/26	02/05/02	02/05/06
022801 02	OSO2-69	02/04/25	02/04/26	02/05/02	02/05/06
022802 02	OSO2-70	02/04/25	02/04/26	02/05/02	02/05/06
022803 02	OSO2-71	02/04/25	02/04/26	02/05/03	02/05/06
022804 02	OSO2-72	02/04/25	02/04/26	02/05/03	02/05/06
022805 02	OSO2-73	02/04/25	02/04/26	02/05/03	02/05/06
022806 02	OSO2-BW8	02/04/25	02/04/26	02/05/03	02/05/06
022807 02	OSO2-74	02/04/25	02/04/26	02/05/03	02/05/06
022808 02	OSO2-75	02/04/25	02/04/26	02/05/03	02/05/06
022809 02	OSO2-76	02/04/25	02/04/26	02/05/03	02/05/06
022810 02	OSO2-77	02/04/25	02/04/26	02/05/03	02/05/06
022811 02	OSO2-78	02/04/25	02/04/26	02/05/03	02/05/06

022812 02	OSO2-79	02/04/25	02/04/26	02/05/03	02/05/06
022813 02	OSO2-80	02/04/25	02/04/26	02/05/03	02/05/06
022814 02	OSO2-81	02/04/25	02/04/26	02/05/03	02/05/06
022815 02	OSO2-82	02/04/25	02/04/26	02/05/03	02/05/06
022816 02	OSO2-83	02/04/25	02/04/26	02/05/03	02/05/06
022817 02	OSO2-BW9	02/04/25	02/04/26	02/05/03	02/05/06
022818 02	OSO2-84	02/04/25	02/04/26	02/05/03	02/05/06
022819 02	OSO2-85	02/04/25	02/04/26	02/05/03	02/05/06
022820 02	OSO2-86	02/04/25	02/04/26	02/05/03	02/05/06
022821 02	OSO2-87	02/04/25	02/04/26	02/05/03	02/05/06
022822 02	OSO2-88	02/04/25	02/04/26	02/05/03	02/05/06
022823 02	OSO2-89	02/04/25	02/04/26	02/05/03	02/05/06
022824 02	OSO2-90	02/04/25	02/04/26	02/05/03	02/05/06
022825 02	OSO2-91	02/04/25	02/04/26	02/05/03	02/05/06
022826 02	OSO2-92	02/04/25	02/04/26	02/05/03	02/05/06
022827 02	OSO2-93	02/04/25	02/04/26	02/05/03	02/05/06
022828 02	OSO2-94	02/04/25	02/04/26	02/05/03	02/05/06

Run Date is defined as the date of injection of the last calibration standard (12 hour or less) prior to the samples analyzed within that run sequence. Therefore the time of calibration injection that defines the run date is always within 12 hours of the time of sample injection.

b) Shipping Problems: none encountered

c) Documentation Problems: none encountered

II. SAMPLE PREP:

No problems encountered

III. SAMPLE ANALYSIS:

See also comments within the appropriate Certificate of Analysis.

a) Hold Times: all within recommended hold times

b) Instrument Calibration: all within control limits

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. In addition, I certify, that to the best of my knowledge and belief, the data as reported are true and accurate. Release of the data contained in this data package has been authorized by the cognizant laboratory official or his/her designee, as verified by this signature.

Ada Blythe, Project Manager

May 22/02
Date

2. DATA SUMMARY

- Certificate of Analysis –

- Sample analyte result
- Method blank result
- LCS Results with % Recoveries
- Matrix Spike data with % Recoveries
- Matrix Spike Duplicate data with % Recoveries
- Surrogate recoveries

PSC

ANALYTICAL SERVICES

Certificate of Analysis

CLIENT INFORMATION

Attention:	Basil Wong
Client Name:	XCG Consultants Ltd.
Project:	3-997-02-10
Project Desc:	Depew, NY
Address:	2620 Bristol Circle Suite 300 Oakville, Ontario L6H 6Z7
Fax Number:	829-8890 #62
Phone Number:	829-8880

LABORATORY INFORMATION

Contact:	Ada Blythe, B.Sc., C.Chem.
Project:	AN022194
Date Received:	26-Apr-2002
Date Reported:	10-May-2002
Submission No.:	2D1046
Sample No.:	022725-022828

NOTES: *"-" = not analysed "<" = less than Method Detection Limit (MDL) "NA" = no data available*
LOQ can be determined for all analytes by multiplying the appropriate MDL X 3.33
Blank correction is only performed on oil and grease, BTEX, total purgeable hydrocarbons and VOC analyses when Canadian methods are utilized.
Solids data is based on dry weight except for biota analyses.
Organic analyses are not corrected for extraction recovery standards except for isotope dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)

Methods used by PSC Analytical Services are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', Nineteenth Edition. Other methods are based on the principles of MISA or EPA methodologies. New York State: ELAP Identification Number 10756.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at PSC Analytical Services for a period of three weeks from receipt of data or as per contract.

COMMENTS:

(1) Sample concentration(s) too high to differentiate spike
(2) Matrix interference suspected

Certified by:

5555 North Service Road, Burlington, Ontario, Canada L7L 5H7 Tel (905) 332-0778 Fax (905) 332-1169

PASC - Certificate of Analysis

			Method	Blank	%	Blank Spike	%				
Client ID:			Blank	Spike	Recovery	Duplicate	Recovery	OSO2-1	OSO2-1	OSO2-1	OSO2-1
Lab No.:			022725 02	022725 02	022725 02	022725 02	022725 02	022726 02	022726 02	022726 02	022726 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**						(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**
Aluminum	3	mg/kg	<	200	99	200	100	12000	12000	14000	<99
Barium	0.5	"	<	99	100	100	100	85	86	190	100
Beryllium	0.1	"	<	50	99	51	100	0.6	0.6	51	100
Cadmium	1	"	<	49	97	49	98	<	<	50	99
Calcium	20	"	<	1000	100	1000	100	6900	6900	7900	100
Chromium	1	"	<	99	99	100	99	21	20	120	100
Cobalt	5	"	<	100	100	100	100	7.0	7.0	110	100
Copper	1	"	<	99	99	100	100	110	120	220	110
Iron	5	"	<	1200	100	1200	100	21000	22000	24000	180
Lead	5	"	<	100	100	95	95	290	290	400	110
Magnesium	5	"	<	1100	98	1100	99	3700	3700	5100	130
Manganese	1	"	<	99	99	100	100	450	480	570	110
Molybdenum	1	"	<	50	100	50	100	2.0	1.0	50	98
Nickel	5	"	<	50	100	50	100	16	16	67	100
Phosphorus	10	"	<	490	97	500	99	930	950	1400	84
Potassium	100	"	<	980	100	830	<	1500	1400	2600	120
Silver	1.0	"	<	51	100	52	100	<	<	51	100
Sodium	10	"	<	980	98	1000	100	44	44	1100	100
Thallium	10	"	<	96	95	97	97	<	<	93	94
Vanadium	1	"	<	50	99	50	100	26	26	79	110
Zinc	1	"	<	190	97	200	99	250	250	470	110

	Client ID:		OSO2-1	OSO2-1	OSO2-2	OSO2-3	OSO2-BW1	OSO2-4	OSO2-5	OSO2-6	OSO2-7
	Lab No.:		022726 02	022726 02	022727 02	022728 02	022729 02	022730 02	022731 02	022732 02	022733 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**	**MS Dup**	**MSD % Rec.**							
Aluminum	3	mg/kg	14000	<99	12000	9900	9500	13000	9400	8100	11000
Barium	0.5	"	190	100	92	100	92	93	74	70	100
Beryllium	0.1	"	51	100	0.6	0.6	0.5	0.6	0.5	0.5	0.7
Cadmium	1	"	50	99	<	2.0	2.0	<	<	<	1.0
Calcium	20	"	7800	91	58000	7200	6600	3400	6900	14000	11000
Chromium	1	"	120	100	20	43	36	16	30	15	28
Cobalt	5	"	110	100	10	7.0	6.0	10	7.0	7.0	8.0
Copper	1	"	220	100	79	460	360	37	240	170	310
Iron	5	"	23000	110	26000	22000	21000	28000	21000	22000	25000
Lead	5	"	380	95	87	1100	840	47	670	330	830
Magnesium	5	"	5100	130	18000	3400	3200	3000	3300	5900	5300
Manganese	1	"	550	85	510	360	340	640	350	400	500
Molybdenum	1	"	50	97	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Nickel	5	"	68	100	26	24	20	14	20	20	27
Phosphorus	10	"	1300	78	600	1200	1100	370	870	580	1200
Potassium	100	"	2600	110	1800	1000	960	1100	1100	960	1800
Silver	1.0	"	51	100	<	1.2	<	<	<	<	<
Sodium	10	"	1100	100	100	60	55	49	49	55	76
Thallium	10	"	96	97	<	<	<	<	<	<	<
Vanadium	1	"	78	100	26	25	24	30	23	20	26
Zinc	1	"	460	100	130	730	590	76	480	230	620

	Client ID:		OSO2-8	OSO2-9	OSO2-10	OSO2-11	OSO2-12	OSO2-13	OSO2-BW2	OSO2-14	OSO2-15
	Lab No.:		022734 02	022735 02	022736 02	022737 02	022738 02	022739 02	022740 02	022741 02	022742 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	11000	10000	15000	8400	12000	9500	11000	15000	11000
Barium	0.5	"	130	83	130	60	130	110	110	96	87
Beryllium	0.1	"	0.8	0.5	0.8	0.4	0.7	0.7	0.7	0.7	0.6
Cadmium	1	"	1.0	<	<	<	1.0	3.0	3.0	<	2.0
Calcium	20	"	8700	6700	5200	17000	10000	7500	7800	2900	10000
Chromium	1	"	17	20	20	12	16	21	23	19	19
Cobalt	5	"	8.0	6.0	10	5.0	13	7.0	7.0	10	7.0
Copper	1	"	1300	260	110	25	550	1700	1200	67	440
Iron	5	"	27000	20000	29000	16000	34000	25000	26000	30000	24000
Lead	5	"	1200	600	140	39	690	2100	1800	120	800
Magnesium	5	"	3100	3100	4900	8700	5800	2600	3100	3600	4300
Manganese	1	"	440	300	590	370	1200	530	540	720	410
Molybdenum	1	"	2.0	2.0	2.0	1.0	3.0	3.0	3.0	2.0	2.0
Nickel	5	"	32	21	29	12	22	40	37	19	24
Phosphorus	10	"	830	1100	600	710	640	1000	1100	560	940
Potassium	100	"	1200	1200	1500	950	1200	1200	1400	1200	1300
Silver	1.0	"	<	<	<	<	<	1.4	1.1	<	<
Sodium	10	"	120	96	180	55	67	83	73	47	56
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	27	22	31	19	34	26	28	31	26
Zinc	1	"	830	470	180	95	550	1400	1200	140	600

Client ID:			OSO2-16	OSO2-16	OSO2-16	OSO2-16	OSO2-16	OSO2-16	OSO2-17	OSO2-18	OSO2-19
Lab No.:			022743 02	022743 02	022743 02	022743 02	022743 02	022743 02	022744 02	022745 02	022746 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**		**Duplicate**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**			
Aluminum	3	mg/kg	13000	12000	14000	980(1)	15000	(1)	6700	14000	7900
Barium	0.5	"	74	73	170	97	180	100	110	90	76
Beryllium	0.1	"	0.6	0.6	51	100	52	100	0.5	0.7	0.5
Cadmium	1	"	<	<	49	98	51	100	4.0	<	3.0
Calcium	20	"	2700	2700	3600	95	3700	110	8900	2300	8100
Chromium	1	"	15	15	110	100	120	100	22	16	20
Cobalt	5	"	8.0	8.0	110	100	110	110	7.0	10	6.0
Copper	1	"	42	40	140	95	140	98	1400	29	790
Iron	5	"	26000	26000	27000	91	28000	170	23000	29000	20000
Lead	5	"	50	45	140	94	150	99	2800	25	1700
Magnesium	5	"	3100	3100	4200	100	4300	110	1900	3500	2600
Manganese	1	"	560	570	650	87	660	96	650	520	390
Molybdenum	1	"	2.0	1.0	49	95	51	98	3.0	1.0	2.0
Nickel	5	"	13	14	65	100	67	110	37	19	31
Phosphorus	10	"	380	370	770	78	790	83	1100	310	1200
Potassium	100	"	930	890	1900	(1)	2000	110	780	1100	870
Silver	1.0	"	<	<	49	98	50	100	1.1	<	<
Sodium	10	"	44	44	1000	97	1100	100	410	370	68
Thallium	10	"	<	<	98	93	100	96	<	<	<
Vanadium	1	"	29	28	79	100	81	110	22	31	22
Zinc	1	"	89	87	290	100	300	110	1800	96	990

	Client ID:		OSO2-20	OSO2-21	OSO2-22	OSO2-BW3	OSO2-23	OSO2-24	OSO2-25	OSO2-26	OSO2-27
	Lab No.:		022747 02	022748 02	022749 02	022750 02	022751 02	022752 02	022753 02	022754 02	022755 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	12000	6800	12000	12000	7700	13000	8200	10000	11000
Barium	0.5	"	75	100	70	69	130	89	78	76	96
Beryllium	0.1	"	0.6	0.6	0.6	0.6	0.5	0.7	0.5	0.5	0.6
Cadmium	1	"	<	4.0	<	<	2.0	<	<	<	1.0
Calcium	20	"	2000	8200	2000	2100	7700	2300	7000	2900	40000
Chromium	1	"	15	21	14	14	19	15	25	12	18
Cobalt	5	"	6.0	7.0	7.0	7.0	7.0	9.0	8.0	7.0	9.0
Copper	1	"	23	2000	70	79	800	27	130	78	160
Iron	5	"	23000	23000	24000	24000	20000	27000	21000	20000	24000
Lead	5	"	18	2900	82	89	1800	29	290	120	290
Magnesium	5	"	2700	1900	2900	2800	2200	3500	2800	2500	15000
Manganese	1	"	450	520	440	480	430	370	360	370	470
Molybdenum	1	"	<	3.0	1.0	2.0	2.0	<	<	1.0	1.0
Nickel	5	"	13	38	14	14	23	19	17	15	24
Phosphorus	10	"	280	1400	410	410	920	320	1200	470	710
Potassium	100	"	790	690	810	800	820	1100	2000	660	1700
Silver	1.0	"	<	2.0	<	<	<	<	<	<	<
Sodium	10	"	36	250	120	120	410	270	52	77	100
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	27	22	27	26	23	29	29	22	24
Zinc	1	"	57	1400	97	100	1000	100	230	110	330

Client ID:			OSO2-28	OSO2-29	OSO2-30	OSO2-31	OSO2-32	OSO2-BW4	OSO2-33	OSO2-34	OSO2-34
Lab No.:			022756 02	022757 02	022758 02	022759 02	022760 02	022761 02	022762 02	022763 02	022763 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									**Duplicate**
										(1)	
Aluminum	3	mg/kg	11000	7600	11000	11000	11000	11000	9300	12000	12000
Barium	0.5	"	150	120	67	110	88	90	68	99	98
Beryllium	0.1	"	0.6	0.6	0.5	0.6	0.6	0.6	0.5	0.7	0.6
Cadmium	1	"	1.0	4.0	<	1.0	<	<	<	<	<
Calcium	20	"	12000	7100	2900	33000	55000	60000	4100	29000	28000
Chromium	1	"	16	22	12	19	17	18	14	16	16
Cobalt	5	"	8.0	7.0	7.0	9.0	10	10	7.0	9.0	9.0
Copper	1	"	330	1000	83	430	120	110	67	41	37
Iron	5	"	24000	24000	21000	25000	25000	26000	20000	25000	25000
Lead	5	"	630	2100	100	690	130	130	120	44	44
Magnesium	5	"	5500	2000	2400	13000	18000	19000	2700	11000	11000
Manganese	1	"	370	490	460	450	440	460	430	510	500
Molybdenum	1	"	1.0	2.0	<	1.0	1.0	1.0	1.0	1.0	1.0
Nickel	5	"	19	36	13	27	25	25	18	22	22
Phosphorus	10	"	610	1000	390	760	600	600	820	540	540
Potassium	100	"	1100	1200	850	1700	1700	1800	920	1200	1200
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	98	170	100	110	120	120	40	70	67
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	26	23	23	25	23	24	21	26	26
Zinc	1	"	480	1500	120	610	170	160	140	86	84

Client ID:			OSO2-34	OSO2-34	OSO2-34	OSO2-34	OSO2-35	OSO2-36	OSO2-37	OSO2-38	OSO2-39
Lab No.:			022763 02	022763 02	022763 02	022763 02	022764 02	022765 02	022766 02	022767 02	022768 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**					
Aluminum	3	mg/kg	14000	720	14000	**560**	8500	10000	6700	10000	7200
Barium	0.5	"	200	99	200	**97**	90	93	140	170	59
Beryllium	0.1	"	50	98	50	98	0.5	0.6	0.4	0.6	0.4
Cadmium	1	"	49	98	49	98	<	1.0	1.0	2.0	<
Calcium	20	"	29000	30	29000	<	13000	32000	31000	40000	7900
Chromium	1	"	110	96	110	95	15	17	15	18	12
Cobalt	5	"	110	97	110	96	6.0	9.0	6.0	9.0	6.0
Copper	1	"	140	97	130	96	180	360	320	490	160
Iron	5	"	26000	62	26000	62	19000	24000	17000	24000	18000
Lead	5	"	140	94	140	95	440	450	800	700	310
Magnesium	5	"	13000	100	12000	85	5900	12000	13000	13000	4000
Manganese	1	"	600	91	610	110	380	440	320	470	370
Molybdenum	1	"	47	91	47	92	2.0	2.0	2.0	2.0	1.0
Nickel	5	"	70	97	70	95	20	27	18	28	16
Phosphorus	10	"	1000	93	1000	91	790	670	1300	2200	640
Potassium	100	"	2200	110	2200	110	1100	1300	1200	1800	1200
Silver	1.0	"	49	99	49	99	<	<	<	<	<
Sodium	10	"	1100	100	1100	99	62	120	110	120	50
Thallium	10	"	91	89	93	92	<	<	<	<	<
Vanadium	1	"	75	98	75	98	20	24	17	24	18
Zinc	1	"	280	97	280	97	340	440	610	900	260

	Client ID:		OSO2-40	OSO2-41	OSO2-BW5	OSO2-42	OSO2-43	OSO2-44	OSO2-45	OSO2-46	OSO2-47
	Lab No.:		022769 02	022770 02	022771 02	022772 02	022773 02	022774 02	022775 02	022776 02	022777 02
	Date Sampled:		24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	7700	12000	12000	12000	9800	13000	9600	13000	11000
Barium	0.5	"	66	100	100	130	75	110	100	190	57
Beryllium	0.1	"	0.4	0.7	0.7	0.6	0.5	0.7	0.6	0.9	0.5
Cadmium	1	"	<	<	<	1.0	2.0	<	1.0	<	<
Calcium	20	"	9500	4300	4400	4300	7700	29000	7200	5800	3300
Chromium	1	"	10	16	16	17	18	19	25	18	18
Cobalt	5	"	6.0	8.0	8.0	8.0	7.0	11	6.0	8.0	6.0
Copper	1	"	38	110	120	230	180	180	170	180	140
Iron	5	"	17000	26000	26000	27000	22000	28000	17000	25000	21000
Lead	5	"	30	270	280	450	420	220	410	260	290
Magnesium	5	"	5000	3300	3300	3300	4300	12000	3200	2900	2700
Manganese	1	"	380	420	410	410	520	560	240	410	300
Molybdenum	1	"	1.0	3.0	2.0	2.0	2.0	2.0	1.0	3.0	2.0
Nickel	5	"	15	20	21	19	21	27	20	20	18
Phosphorus	10	"	420	930	980	830	990	630	1200	1100	540
Potassium	100	"	850	1200	1200	1100	1400	1600	1100	1200	900
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	42	44	47	69	52	92	53	100	61
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	18	24	24	27	22	28	21	33	22
Zinc	1	"	62	220	220	310	380	230	390	260	280

Client ID:			OSO2-48	OSO2-49	OSO2-50	OSO2-51	OSO2-52	OSO2-53	OSO2-53	OSO2-53	OSO2-53
Lab No.:			022778 02	022779 02	022780 02	022781 02	022782 02	022783 02	022783 02	022783 02	022783 02
Date Sampled:			24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	24-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**						(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**
Aluminum	3	mg/kg	10000	9700	12000	11000	18000	11000	11000	14000	<99
Barium	0.5	"	86	89	90	77	130	88	87	190	99
Beryllium	0.1	"	0.5	0.6	0.6	0.6	1.2	0.6	0.6	51	100
Cadmium	1	"	<	1.0	<	<	<	<	<	51	99
Calcium	20	"	21000	14000	30000	3300	2500	4700	4700	5600	90
Chromium	1	"	19	26	17	15	21	16	17	120	100
Cobalt	5	"	7.0	7.0	9.0	8.0	18	8.0	7.0	110	100
Copper	1	"	200	210	150	120	43	170	170	270	97
Iron	5	"	20000	21000	25000	25000	36000	25000	24000	26000	92
Lead	5	"	330	470	160	190	46	280	270	370	96
Magnesium	5	"	8900	7100	11000	3200	5400	3400	3400	4500	110
Manganese	1	"	360	410	420	390	840	350	320	430	98
Molybdenum	1	"	2.0	1.0	2.0	2.0	<	2.0	2.0	49	95
Nickel	5	"	19	20	22	18	32	20	18	71	100
Phosphorus	10	"	610	730	520	590	330	860	840	1200	74
Potassium	100	"	1000	1300	1400	1200	1600	1400	1400	2400	100
Silver	1.0	"	<	<	<	<	<	<	<	50	100
Sodium	10	"	64	58	78	30	33	31	31	1000	99
Thallium	10	"	<	<	<	<	<	<	<	98	98
Vanadium	1	"	22	23	26	26	34	27	26	78	100
Zinc	1	"	330	410	180	160	110	260	250	470	110

	Client ID:		OSO2-53	OSO2-53	OSO2-BW6	OSO2-54	OSO2-55	OSO2-56	OSO2-57	OSO2-58	OSO2-59
	Lab No.:		022783 02	022783 02	022784 02	022785 02	022786 02	022787 02	022788 02	022789 02	022790 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**	**MS Dup**	**MSD % Rec.**							
Aluminum	3	mg/kg	13000	800	11000	12000	4500	7900	8000	10000	8700
Barium	0.5	"	180	95	85	88	120	140	160	92	97
Beryllium	0.1	"	50	99	0.6	0.6	0.4	0.8	0.4	0.5	0.5
Cadmium	1	"	50	98	<	<	3.0	<	2.0	<	1.0
Calcium	20	"	5500	77	4500	3600	76000	13000	6400	3800	25000
Chromium	1	"	120	98	15	15	24	14	24	14	22
Cobalt	5	"	110	100	7.0	9.0	<	9.0	5.0	5.0	6.0
Copper	1	"	260	93	160	160	310	170	480	230	240
Iron	5	"	25000	39	24000	26000	19000	21000	18000	18000	21000
Lead	5	"	370	91	270	230	910	310	1200	390	550
Magnesium	5	"	4400	94	3300	3300	6100	3700	2100	2300	6500
Manganese	1	"	420	85	320	470	290	350	280	250	420
Molybdenum	1	"	49	95	2.0	2.0	2.0	3.0	2.0	2.0	2.0
Nickel	5	"	70	100	17	17	22	21	21	15	18
Phosphorus	10	"	1200	68	790	570	910	800	780	480	720
Potassium	100	"	2300	<	1200	1000	700	1100	920	750	1100
Silver	1.0	"	49	98	<	<	<	<	<	<	<
Sodium	10	"	1000	98	30	33	95	200	58	39	86
Thallium	10	"	95	95	<	<	<	<	<	<	<
Vanadium	1	"	77	100	26	28	15	42	19	20	21
Zinc	1	"	460	100	240	190	950	270	940	320	680

	Client ID:		OSO2-60	OSO2-61	OSO2-62	OSO2-63	OSO2-64	OSO2-BW7	OSO2-65	OSO2-66	OSO2-67
	Lab No.:		022791 02	022792 02	022793 02	022794 02	022795 02	022796 02	022797 02	022798 02	022799 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	11000	6400	9700	9800	10000	8800	9200	10000	9400
Barium	0.5	"	87	65	130	170	75	260	230	300	170
Beryllium	0.1	"	0.5	0.3	0.5	0.5	0.5	0.6	0.6	0.7	0.5
Cadmium	1	"	<	<	2.0	1.0	<	2.0	1.0	2.0	2.0
Calcium	20	"	18000	23000	17000	8200	3700	15000	14000	11000	6800
Chromium	1	"	14	11	15	26	11	22	21	20	16
Cobalt	5	"	6.0	<	6.0	7.0	6.0	7.0	7.0	7.0	7.0
Copper	1	"	110	86	160	210	170	300	350	360	310
Iron	5	"	20000	12000	21000	22000	22000	21000	22000	23000	22000
Lead	5	"	230	150	350	770	160	890	990	770	690
Magnesium	5	"	6700	10000	5500	3400	2000	6600	6500	4400	4000
Manganese	1	"	320	240	300	320	230	340	360	350	450
Molybdenum	1	"	1.0	1.0	1.0	2.0	2.0	2.0	2.0	2.0	2.0
Nickel	5	"	16	11	18	18	12	21	23	18	21
Phosphorus	10	"	470	760	940	730	400	1800	1800	1300	840
Potassium	100	"	900	920	880	990	500	1800	1800	1300	1200
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	110	57	64	68	73	130	120	91	44
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	23	14	22	23	24	22	23	27	22
Zinc	1	"	210	190	390	540	130	680	740	620	550

	Client ID:		OSO2-68	OSO2-69	OSO2-70	OSO2-71	OSO2-71	OSO2-71	OSO2-71	OSO2-71	OSO2-71
	Lab No.:		022800 02	022801 02	022802 02	022803 02	022803 02	022803 02	022803 02	022803 02	022803 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**				(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**
Aluminum	3	mg/kg	12000	8000	8500	10000	10000	13000	<99	12000	<99
Barium	0.5	"	180	73	83	140	140	240	100	230	96
Beryllium	0.1	"	0.6	0.4	0.5	0.6	0.6	50	100	50	100
Cadmium	1	"	1.0	1.0	1.0	1.0	2.0	51	100	52	100
Calcium	20	"	4600	7100	12000	8800	8800	9800	96	9800	98
Chromium	1	"	14	13	13	21	21	120	100	120	100
Cobalt	5	"	8.0	<	5.0	7.0	7.0	110	100	110	100
Copper	1	"	130	160	300	270	270	390	110	370	94
Iron	5	"	24000	18000	19000	24000	24000	26000	160	25000	94
Lead	5	"	180	410	530	810	800	920	110	890	83
Magnesium	5	"	3400	3500	6200	4000	3900	5200	120	5200	120
Manganese	1	"	500	240	300	360	360	460	100	460	95
Molybdenum	1	"	2.0	2.0	2.0	2.0	2.0	50	95	50	95
Nickel	5	"	20	15	15	28	27	80	100	87	120
Phosphorus	10	"	600	1000	600	1800	1800	2100	75	2100	67
Potassium	100	"	1100	720	670	1300	1300	2400	110	2500	120
Silver	1.0	"	<	<	<	<	<	49	98	49	98
Sodium	10	"	50	56	79	110	110	1100	99	1100	98
Thallium	10	"	<	<	<	<	<	96	92	93	90
Vanadium	1	"	26	20	21	25	25	78	100	77	100
Zinc	1	"	400	320	400	630	620	850	110	820	97

Client ID:			OSO2-72	OSO2-73	OSO2-BW8	OSO2-74	OSO2-75	OSO2-76	OSO2-77	OSO2-78	OSO2-79
Lab No.:			022804 02	022805 02	022806 02	022807 02	022808 02	022809 02	022810 02	022811 02	022812 02
Date Sampled:			25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	13000	11000	11000	12000	9000	10000	11000	11000	11000
Barium	0.5	"	110	86	85	87	75	65	73	86	82
Beryllium	0.1	"	0.7	0.6	0.6	0.6	0.5	0.5	0.5	0.6	0.6
Cadmium	1	"	<	<	<	1.0	<	<	<	<	<
Calcium	20	"	5800	28000	29000	56000	17000	12000	4600	3000	18000
Chromium	1	"	18	19	19	17	18	13	13	13	18
Cobalt	5	"	9.0	8.0	7.0	8.0	6.0	7.0	<	8.0	7.0
Copper	1	"	240	190	190	200	140	84	64	29	130
Iron	5	"	28000	24000	24000	23000	19000	20000	18000	22000	23000
Lead	5	"	790	410	390	270	350	160	180	75	300
Magnesium	5	"	4000	6100	6100	7200	8700	6300	2500	2800	7900
Manganese	1	"	580	480	460	510	390	310	260	290	430
Molybdenum	1	"	2.0	2.0	2.0	2.0	2.0	2.0	1.0	<	2.0
Nickel	5	"	21	23	24	23	17	15	14	15	22
Phosphorus	10	"	550	850	850	570	820	480	580	440	800
Potassium	100	"	1300	1600	1600	1300	960	670	1100	880	1600
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	92	54	56	64	63	49	31	31	58
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	30	24	24	23	21	21	22	26	25
Zinc	1	"	360	350	340	270	390	210	170	88	290

Client ID:			OSO2-80	OSO2-81	OSO2-82	OSO2-83	OSO2-BW9	OSO2-84	OSO2-85	OSO2-86	OSO2-87
Lab No.:			022813 02	022814 02	022815 02	022816 02	022817 02	022818 02	022819 02	022820 02	022821 02
Date Sampled:			25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**									
Aluminum	3	mg/kg	12000	12000	13000	11000	12000	15000	13000	19000	11000
Barium	0.5	"	89	89	91	80	83	110	78	110	89
Beryllium	0.1	"	0.6	0.6	0.6	0.5	0.6	0.7	0.6	0.8	0.6
Cadmium	1	"	<	<	<	<	<	<	<	<	2.0
Calcium	20	"	36000	6100	7900	8300	8500	12000	5200	2500	11000
Chromium	1	"	20	18	17	15	16	18	16	20	19
Cobalt	5	"	7.0	8.0	9.0	6.0	6.0	9.0	6.0	13	8.0
Copper	1	"	120	140	130	48	50	44	65	22	500
Iron	5	"	23000	26000	27000	20000	21000	27000	22000	36000	24000
Lead	5	"	250	260	200	150	150	110	180	35	1200
Magnesium	5	"	10000	4500	5300	4700	5200	7400	3200	4700	3300
Manganese	1	"	440	460	570	300	300	480	230	300	390
Molybdenum	1	"	2.0	1.0	2.0	<	1.0	1.0	1.0	<	2.0
Nickel	5	"	20	23	21	17	18	22	19	24	26
Phosphorus	10	"	690	760	560	660	710	640	900	290	1000
Potassium	100	"	1300	1400	1200	1400	1700	1700	1500	1600	1700
Silver	1.0	"	<	<	<	<	<	<	<	<	<
Sodium	10	"	76	49	55	49	54	65	62	56	77
Thallium	10	"	<	<	<	<	<	<	<	<	<
Vanadium	1	"	26	27	29	21	23	28	25	34	26
Zinc	1	"	250	260	210	180	190	160	220	87	890

Client ID:			OSO2-88	OSO2-89	OSO2-89	OSO2-89	OSO2-89	OSO2-89	OSO2-89	OSO2-90	OSO2-91
Lab No.:			022822 02	022823 02	022823 02	022823 02	022823 02	022823 02	022823 02	022824 02	022825 02
Date Sampled:			25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**		(1)(2)	**Duplicate**	**M. Spike**	**MS % Rec.**	**MS Dup**	**MSD % Rec.**		
Aluminum	3	mg/kg	14000	12000	13000	15000	<99	14000	700	13000	11000
Barium	0.5	"	95	78	80	180	100	180	99	80	110
Beryllium	0.1	"	0.7	0.6	0.6	51	100	50	98	0.6	0.6
Cadmium	1	"	<	<	<	50	100	49	97	<	2.0
Calcium	20	"	6400	8500	8500	9400	88	9100	59	4500	8700
Chromium	1	"	18	19	18	120	100	120	96	15	22
Cobalt	5	"	10	7.0	8.0	110	100	110	99	8.0	7.0
Copper	1	"	810	93	95	190	100	190	96	78	280
Iron	5	"	31000	25000	25000	26000	99	25000	13	25000	24000
Lead	5	"	830	210	210	300	94	290	80	170	620
Magnesium	5	"	3900	4200	4300	5800	140	5600	120	3300	3800
Manganese	1	"	430	440	450	540	99	540	100	470	390
Molybdenum	1	"	3.0	2.0	2.0	50	96	49	94	2.0	2.0
Nickel	5	"	28	19	18	70	100	66	95	16	22
Phosphorus	10	"	550	680	710	1100	78	1100	71	460	770
Potassium	100	"	1400	1400	1400	2600	120	2400	<	1000	1200
Silver	1.0	"	<	<	<	50	100	49	98	<	<
Sodium	10	"	65	77	77	1100	100	1100	98	89	64
Thallium	10	"	<	<	<	96	94	94	92	<	<
Vanadium	1	"	33	27	28	80	110	77	99	28	26
Zinc	1	"	670	240	250	440	100	430	94	170	690

	Client ID:		OSO2-92	OSO2-93	OSO2-94
	Lab No.:		022826 02	022827 02	022828 02
	Date Sampled:		25-Apr-2002	25-Apr-2002	25-Apr-2002
Component	**MDL**	**Units**			
Aluminum	3	mg/kg	13000	12000	13000
Barium	0.5	"	110	81	87
Beryllium	0.1	"	0.6	0.6	0.6
Cadmium	1	"	<	<	<
Calcium	20	"	33000	5400	3400
Chromium	1	"	32	17	16
Cobalt	5	"	10	7.0	9.0
Copper	1	"	460	180	160
Iron	5	"	28000	24000	27000
Lead	5	"	400	410	240
Magnesium	5	"	12000	2800	3000
Manganese	1	"	710	470	580
Molybdenum	1	"	2.0	2.0	2.0
Nickel	5	"	27	16	18
Phosphorus	10	"	580	870	570
Potassium	100	"	1700	1200	1100
Silver	1.0	"	<	<	<
Sodium	10	"	90	83	66
Thallium	10	"	<	<	<
Vanadium	1	"	28	28	30
Zinc	1	"	540	370	260

Batch Code:	0508SSZ1	0502SSX1	0502SSX2	0502SSX3	0503SSY1	0503SSY2
Aluminum	022725 02	022743 02	022763 02	022783 02	022803 02	022823 02
	022726 02	022744 02	022764 02	022784 02	022804 02	022824 02
	022727 02	022745 02	022765 02	022785 02	022805 02	022825 02
	022728 02	022746 02	022766 02	022786 02	022806 02	022826 02
	022729 02	022747 02	022767 02	022787 02	022807 02	022827 02
	022730 02	022748 02	022768 02	022788 02	022808 02	022828 02
	022731 02	022749 02	022769 02	022789 02	022809 02	
	022732 02	022750 02	022770 02	022790 02	022810 02	
	022733 02	022751 02	022771 02	022791 02	022811 02	
	022734 02	022752 02	022772 02	022792 02	022812 02	
	022735 02	022753 02	022773 02	022793 02	022813 02	
	022736 02	022754 02	022774 02	022794 02	022814 02	
	022737 02	022755 02	022775 02	022795 02	022815 02	
	022738 02	022756 02	022776 02	022796 02	022816 02	
	022739 02	022757 02	022777 02	022797 02	022817 02	
	022740 02	022758 02	022778 02	022798 02	022818 02	
	022741 02	022759 02	022779 02	022799 02	022819 02	
	022742 02	022760 02	022780 02	022800 02	022820 02	
		022761 02	022781 02	022801 02	022821 02	
		022762 02	022782 02	022802 02	022822 02	
Date Analysed:	02/05/08	02/05/03	02/05/06	02/05/06	02/05/06	02/05/06
Date Prepared:	02/05/08	02/05/02	02/05/02	02/05/02	02/05/03	02/05/03

3. RAW DATA

Thermo Jarrel Ash ICAP 61E												Waters
Methods: STD_MTD		Autosampler Tables:		6010 EPA Qc format								
Element		Wavelength (nm)	BKG (nm)	LDR (mg/L)	RDL (mg/L)	Std	StdAHigh StdBHigh (mg/L)	ICVA ICVB (mg/L)	CCVA CCVB (mg/L)	Spk (mg/L)	ICSA (mg/L)	ICSAB (mg/L)
Calcium	Ca	315.887	315.964	3000	0.200	A	100	50	20	10	500	500
Magnesium	Mg1	279.553	279.476	200	0.050	B	10	5	2	*1		
Magnesium	Mg2	383.231	383.154	1000	**	A	100	50	20	*10	500	500
Sodium	Na	588.995	589.050	3000	0.100	A	100	50	20	10		
Potassium	K	766.490	766.413	1000	1.000	A	100	50	20	10		
Aluminum	Al	308.215	308.270	400	0.030	A	20	10	4	2	300	300
Barium	Ba	493.409	496.332	400	0.001	A	10	5	2	1		0.5
Beryllium	Be	313.042	312.965	100	0.001	A	5	2.5	1	0.5		0.5
Boron	B	249.678	249.639	300	0.010	A	10	5	2	1		
Cadmium	Cd	228.802	228.838	300	0.005	A	5	2.5	1	0.5		1
Chromium	Cr	267.716	267.639	300	0.004	A	10	5	2	1		0.5
Cobalt	Co	228.616	228.539	200	0.010	A	10	5	2	1		0.5
Copper	Cu	324.754	324.677	70	0.006	A	10	5	2	1		0.5
Iron	Fe1	259.940	259.995	200	0.010	A	20	10	4	*2		
Iron	Fe2	271.441	271.364	3000	**	B	100	50	20	*10	200	200
Lead	Pb	220.353	220.276	300	0.020	A	10	5	2	1		1
Manganese	Mn	257.610	257.665	50	0.005	A	10	5	2	1		0.5
Molybdenum	Mo	202.030	201.978	300	0.010	B	5	2.5	1	0.5		
Nickel	Ni	231.604	231.565	300	0.010	A	5	2.5	1	0.5		1
Phosphorus	P	178.287	178.210	500	0.060	A	50	25	10	5		
Silicon	Si	251.612	251.560	300	0.050	B	10	5	2	1		
Silver	Ag	328.068	328.140	200	0.010	A	5	2.5	1	0.5		1
Strontium	Sr	421.552	421.475	300	0.001	A	5	2.5	1	0.5		
Sulphur	S	180.731	180.654	1000	0.060	B	10	5	2	1		
Thallium	Tl	190.801	190.762	100	0.060	A	10	5	2	1		
Titanium	Ti	334.941	334.864	300	0.010	B	10	5	2	1		
Vanadium	V	292.402	292.325	50	0.005	A	5	2.5	1	0.5		0.5
Zinc	Zn	213.856	213.911	300	0.005	A	20	10	4	2		1
Zirconium	Zr	339.198	339.121	200	0.010	B	10	5	2	1		
Arsenic	As	193.696	193.740	300	0.020	A	5	2.5	1	0.5		1
Selenium	Se	196.026	195.949	300	0.060	A	5	2.5	1	0.5		1
Antimony	Sb	206.838	206.893	300	0.030	B	5	2.5	1	0.5		1
Bismuth	Bi	223.061/2	223.097	300	0.050	A	5	2.5	1	0.5		
Tin	Sn	189.989	189.937	300	0.050	B	10	5	2	1		
All concentrations are in mg/L												
* Solutions A & B combined to give a single result for Magnesium 11mg/L and Iron 12mg/L												
**Once Magnesium line (279.5) and Iron line (259.9) exceed 50ppm they switch to the lower sensitivity line Mg (383.2) and Fe (271.4)												

22726

Inorganic Analysis Action/Comment Form

* Please note any action or anomalies impacting this set of samples

* For additional comments, please staple additional pages(s)

Client ID: XCG-US

PSC sample ID range: 22725-828

Analysis: ICP

Submission #: 2D1046

Actions:	Impacted sample Ids
Additional digestion needed	#:
Re-analysis needed (alternate technique)	#:
Re-analysis needed (contract technique)	#:
Bottle discrepancies	#:
Interferences observed	#:
Dilutions needed	#:
Internal calculations modified	#:
Field/Trip blanks missing	#:
Other _____	#: 22763 22783 22743 22726

Explanation/comments:

SAMPLES 22726, 22743, 22763, 22783 HAD DUPLICATES, SPIKES AND SPIKED DUPLICATES DONE .

SOME ELEMENTS DID NOT RECOVERY WITHIN THE 75-125% RANGE DUE TO HIGH LEVELS IN THE SAMPLES, SAMPLES NOT BEING HOMOGENOUS OR INTERFERENCES.

NR

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022725	XCG-US	Method Blank	Calcium	PV	-20.	-99999	1020.	101.	1030.	102.	02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		-5.	-99999	1080.	98.	1090.	99.					14.	12.	
			Sodium		-10.	-99999	977.	98.	1010.	101.					14.	12.	
			Potassium		-100.	-99999	976.	104.	828.	89.					14.	12.	
			Aluminum		**-3.**	**-99999**	**201.**	**99.**	**204.**	**101.**					**14.**	**12.**	
			Barium		-0.5	-99999.	99.4	100.	102.0	103.					14.	12.	
			Beryllium		-0.1	-99999.	49.7	99.	50.6	101.					14.	12.	
			Cadmium		-1.	-99999	49.	97.	49.	98.					14.	12.	
			Chromium		-1.	-99999	99.	99.	100.	99.					14.	12.	
			Cobalt		-5.	-99999	102.	102.	103.	103.					14.	12.	
			Copper		-1.	-99999	99.	99.	101.	101.					14.	12.	
			Iron		-5.	-99999	1210.	101.	1230.	102.					14.	12.	
			Lead		-5.	-99999	101.	101.	95.	95.					14.	12.	
			Manganese		-1.	-99999	99.	99.	101.	101.					14.	12.	
			Molybdenum		-1.	-99999	50.	100.	50.	100.					14.	12.	
			Nickel		-5.	-99999	50.	100.	50.	101.					14.	12.	
			Phosphorus		-10.	-99999	490.	97.	500.	99.					14.	12.	
			Silver		-1.0	-99999.	50.5	100.	51.9	102.					14.	12.	
			Thallium		-10.	-99999	96.	95.	97.	97.					14.	12.	
			Vanadium		-1.	-99999	50.	99.	50.	100.					14.	12.	
			Zinc		-1.	-99999	194.	97.	198.	99.					14.	12.	
022726	XCG-US	OSO2-1	Calcium	PV	6930.	6860.	7930.	104.	7810.	91.	02/05/08	SSZ1	02/05/08	NR01	14.	12.	*CTHSPK/INT* 020508.PR
			Magnesium		3660.	3680.	5110.	131.	5130.	133.					14.	12.	
			Sodium		44.	44.	1060.	101.	1050.	101.					14.	12.	
			Potassium		1460.	1400.	2600.	116.	2570.	113.					14.	12.	
			Aluminum		11800.	11900.	14400.	-99.	14300.	-99.					14.	12.	
			Barium		85.1	86.4	190.0	104.	188.0	102.					14.	12.	
			Beryllium		0.6	0.6	51.3	101.	51.1	101.					14.	12.	
			Cadmium		-1.	-1.	50.	99.	50.	99.					14.	12.	
			Chromium		21.	20.	121.	101.	121.	101.					14.	12.	
			Cobalt		7.	7.	110.	103.	109.	102.					14.	12.	
			Copper		114.	116.	221.	106.	217.	102.					14.	12.	
			Iron		21300.	21900.	23700.	176.	22900.	110.					14.	12.	
			Lead		286.	289.	397.	110.	382.	95.					14.	12.	
			Manganese		446.	476.	571.	111.	545.	85.					14.	12.	
			Molybdenum		2.	1.	50.	98.	50.	97.					14.	12.	
			Nickel		16.	16.	67.	102.	68.	104.					14.	12.	
			Phosphorus		928.	946.	1360.	84.	1330.	78.					14.	12.	
			Silver		-1.0	-1.0	50.9	101.	50.7	100.					14.	12.	
			Thallium		-10.	-10.	93.	94.	96.	97.					14.	12.	
			Vanadium		26.	26.	79.	106.	78.	104.					14.	12.	
			Zinc		254.	253.	466.	106.	462.	104.					14.	12.	
022727	XCG-US	OSO2-2	Calcium	PV	58000.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		18000.										14.	12.	
			Sodium		101.										14.	12.	
			Potassium		1770.										14.	12.	
			Aluminum		12400.										14.	12.	
			Barium		92.2										14.	12.	
			Beryllium		0.6										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		20.										14.	12.	
			Cobalt		10.										14.	12.	
			Copper		79.										14.	12.	
			Iron		26300.										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		87.										14.	12.	
			Manganese		506.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		26.										14.	12.	
			Phosphorus		**603.**										**14.**	**12.**	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		26.										14.	12.	
			Zinc		125.										14.	12.	
022728	XCG-US	OSO2-3	Calcium	PV	7170.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3390.										14.	12.	
			Sodium		60.										14.	12.	
			Potassium		1020.										14.	12.	
			Aluminum		9930.										14.	12.	
			Barium		99.6										14.	12.	
			Beryllium		0.6										14.	12.	
			Cadmium		2.										14.	12.	
			Chromium		43.										14.	12.	
			Cobalt		7.										14.	12.	
			Copper		456.										14.	12.	
			Iron		22300.										14.	12.	
			Lead		1060.										14.	12.	
			Manganese		357.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		24.										14.	12.	
			Phosphorus		1180.										14.	12.	
			Silver		1.2										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		25.										14.	12.	
			Zinc		731.										14.	12.	
022729	XCG-US	OSO2-BW1	Calcium	PV	6550.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3170.										14.	12.	
			Sodium		55.										14.	12.	
			Potassium		955.										14.	12.	
			Aluminum		9490.										14.	12.	
			Barium		91.7										14.	12.	
			Beryllium		0.5										14.	12.	
			Cadmium		2.										14.	12.	
			Chromium		36.										14.	12.	
			Cobalt		6.										14.	12.	
			Copper		358.										14.	12.	
			Iron		21300.										14.	12.	
			Lead		837.										14.	12.	
			Manganese		344.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		20.										14.	12.	
			Phosphorus		1070.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		24.										14.	12.	
			Zinc		590.										14.	12.	
022730	XCG-US	OSO2-4	Calcium	PV	3440.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3000.										14.	12.	
			Sodium		49.										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Potassium		1090.										14.	12.	
			Aluminum		12600.										14.	12.	
			Barium		92.5										14.	12.	
			Beryllium		0.6										14.	12.	
			Cadmium		**-1.**										**14.**	**12.**	
			Chromium		16.										14.	12.	
			Cobalt		10.										14.	12.	
			Copper		37.										14.	12.	
			Iron		28400.										14.	12.	
			Lead		47.										14.	12.	
			Manganese		636.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		14.										14.	12.	
			Phosphorus		371.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		30.										14.	12.	
			Zinc		76.										14.	12.	
022731	XCG-US	OSO2-5	Calcium	PV	6860.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3300.										14.	12.	
			Sodium		49.										14.	12.	
			Potassium		1050.										14.	12.	
			Aluminum		9430.										14.	12.	
			Barium		74.1										14.	12.	
			Beryllium		0.5										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		30.										14.	12.	
			Cobalt		7.										14.	12.	
			Copper		238.										14.	12.	
			Iron		20900.										14.	12.	
			Lead		674.										14.	12.	
			Manganese		347.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		20.										14.	12.	
			Phosphorus		868.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		23.										14.	12.	
			Zinc		481.										14.	12.	
022732	XCG-US	OSO2-6	Calcium	PV	14200.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		5900.										14.	12.	
			Sodium		55.										14.	12.	
			Potassium		962.										14.	12.	
			Aluminum		8080.										14.	12.	
			Barium		70.3										14.	12.	
			Beryllium		0.5										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		15.										14.	12.	
			Cobalt		7.										14.	12.	
			Copper		174.										14.	12.	
			Iron		22200.										14.	12.	
			Lead		332.										14.	12.	
			Manganese		404.										14.	12.	
			Molybdenum		2.										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Nickel		20.										14.	12.	
			Phosphorus		575.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		**20.**										**14.**	**12.**	
			Zinc		230.										14.	12.	
022733	XCG-US	OSO2-7	Calcium	PV	11100.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		5280.										14.	12.	
			Sodium		76.										14.	12.	
			Potassium		1750.										14.	12.	
			Aluminum		11400.										14.	12.	
			Barium		101.0										14.	12.	
			Beryllium		0.7										14.	12.	
			Cadmium		1.										14.	12.	
			Chromium		28.										14.	12.	
			Cobalt		8.										14.	12.	
			Copper		312.										14.	12.	
			Iron		25300.										14.	12.	
			Lead		826.										14.	12.	
			Manganese		495.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		27.										14.	12.	
			Phosphorus		1230.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		26.										14.	12.	
			Zinc		619.										14.	12.	
022734	XCG-US	OSO2-8	Calcium	PV	8690.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3120.										14.	12.	
			Sodium		120.										14.	12.	
			Potassium		1210.										14.	12.	
			Aluminum		10500.										14.	12.	
			Barium		131.0										14.	12.	
			Beryllium		0.8										14.	12.	
			Cadmium		1.										14.	12.	
			Chromium		17.										14.	12.	
			Cobalt		8.										14.	12.	
			Copper		1300.										14.	12.	
			Iron		27000.										14.	12.	
			Lead		1150.										14.	12.	
			Manganese		435.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		32.										14.	12.	
			Phosphorus		831.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		27.										14.	12.	
			Zinc		828.										14.	12.	
022735	XCG-US	OSO2-9	Calcium	PV	6720.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3130.										14.	12.	
			Sodium		96.										14.	12.	
			Potassium		1220.										14.	12.	
			Aluminum		10000.										14.	12.	
			Barium		83.1										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Beryllium		0.5										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		20.										14.	12.	
			Cobalt		6.										14.	12.	
			Copper		**262.**										**14.**	**12.**	
			Iron		20300.										14.	12.	
			Lead		603.										14.	12.	
			Manganese		303.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		21.										14.	12.	
			Phosphorus		1120.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		22.										14.	12.	
			Zinc		470.										14.	12.	
022736	XCG-US	OS02-10	Calcium	PV	5240.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		4850.										14.	12.	
			Sodium		179.										14.	12.	
			Potassium		1510.										14.	12.	
			Aluminum		15400.										14.	12.	
			Barium		133.0										14.	12.	
			Beryllium		0.8										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		20.										14.	12.	
			Cobalt		10.										14.	12.	
			Copper		114.										14.	12.	
			Iron		28900.										14.	12.	
			Lead		144.										14.	12.	
			Manganese		591.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		29.										14.	12.	
			Phosphorus		595.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		31.										14.	12.	
			Zinc		182.										14.	12.	
022737	XCG-US	OS02-11	Calcium	PV	16900.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		8690.										14.	12.	
			Sodium		55.										14.	12.	
			Potassium		952.										14.	12.	
			Aluminum		8410.										14.	12.	
			Barium		60.0										14.	12.	
			Beryllium		0.4										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		12.										14.	12.	
			Cobalt		5.										14.	12.	
			Copper		25.										14.	12.	
			Iron		15700.										14.	12.	
			Lead		39.										14.	12.	
			Manganese		371.										14.	12.	
			Molybdenum		1.										14.	12.	
			Nickel		12.										14.	12.	
			Phosphorus		710.										14.	12.	
			Silver		-1.0										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Thallium		-10.										14.	12.	
			Vanadium		19.										14.	12.	
			Zinc		95.										14.	12.	
022738	XCG-US	OSO2-12	Calcium	PV	10400.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		**5770.**										**14.**	**12.**	
			Sodium		67.										14.	12.	
			Potassium		1210.										14.	12.	
			Aluminum		11900.										14.	12.	
			Barium		131.0										14.	12.	
			Beryllium		0.7										14.	12.	
			Cadmium		1.										14.	12.	
			Chromium		16.										14.	12.	
			Cobalt		13.										14.	12.	
			Copper		552.										14.	12.	
			Iron		33700.										14.	12.	
			Lead		686.										14.	12.	
			Manganese		1170.										14.	12.	
			Molybdenum		3.										14.	12.	
			Nickel		22.										14.	12.	
			Phosphorus		644.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		34.										14.	12.	
			Zinc		552.										14.	12.	
022739	XCG-US	OSO2-13	Calcium	PV	7480.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		2610.										14.	12.	
			Sodium		83.										14.	12.	
			Potassium		1200.										14.	12.	
			Aluminum		9450.										14.	12.	
			Barium		111.0										14.	12.	
			Beryllium		0.7										14.	12.	
			Cadmium		3.										14.	12.	
			Chromium		21.										14.	12.	
			Cobalt		7.										14.	12.	
			Copper		1670.										14.	12.	
			Iron		24800.										14.	12.	
			Lead		2120.										14.	12.	
			Manganese		532.										14.	12.	
			Molybdenum		3.										14.	12.	
			Nickel		40.										14.	12.	
			Phosphorus		998.										14.	12.	
			Silver		1.4										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		26.										14.	12.	
			Zinc		1360.										14.	12.	
022740	XCG-US	OSO2-BW2	Calcium	PV	7830.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3100.										14.	12.	
			Sodium		73.										14.	12.	
			Potassium		1380.										14.	12.	
			Aluminum		10700.										14.	12.	
			Barium		107.0										14.	12.	
			Beryllium		0.7										14.	12.	
			Cadmium		3.										14.	12.	
			Chromium		23.										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Cobalt		7.										14.	12.	
			Copper		1230.										14.	12.	
			Iron		26100.										14.	12.	
			Lead		1750.										14.	12.	
			Manganese		**542.**										**14.**	**12.**	
			Molybdenum		3.										14.	12.	
			Nickel		37.										14.	12.	
			Phosphorus		1060.										14.	12.	
			Silver		1.1										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		28.										14.	12.	
			Zinc		1190.										14.	12.	
022741	XCG-US	OSO2-14	Calcium	PV	2940.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		3580.										14.	12.	
			Sodium		47.										14.	12.	
			Potassium		1170.										14.	12.	
			Aluminum		14600.										14.	12.	
			Barium		95.9										14.	12.	
			Beryllium		0.7										14.	12.	
			Cadmium		-1.										14.	12.	
			Chromium		19.										14.	12.	
			Cobalt		10.										14.	12.	
			Copper		67.										14.	12.	
			Iron		29500.										14.	12.	
			Lead		116.										14.	12.	
			Manganese		719.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		19.										14.	12.	
			Phosphorus		557.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		31.										14.	12.	
			Zinc		141.										14.	12.	
022742	XCG-US	OSO2-15	Calcium	PV	10400.						02/05/08	SSZ1	02/05/08	NR01	14.	12.	020508.prn
			Magnesium		4340.										14.	12.	
			Sodium		56.										14.	12.	
			Potassium		1290.										14.	12.	
			Aluminum		10800.										14.	12.	
			Barium		86.6										14.	12.	
			Beryllium		0.6										14.	12.	
			Cadmium		2.										14.	12.	
			Chromium		19.										14.	12.	
			Cobalt		7.										14.	12.	
			Copper		443.										14.	12.	
			Iron		23500.										14.	12.	
			Lead		801.										14.	12.	
			Manganese		413.										14.	12.	
			Molybdenum		2.										14.	12.	
			Nickel		24.										14.	12.	
			Phosphorus		944.										14.	12.	
			Silver		-1.0										14.	12.	
			Thallium		-10.										14.	12.	
			Vanadium		26.										14.	12.	
			Zinc		602.										14.	12.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
BL0508	INTERNAL		Calcium	PV	-20.	-99999	1020.	101.	1030.	102.	02/05/08	SSZ1	02/05/08	NR01	$$$	$$$	020508.prn
			Magnesium		-5.	-99999	1080.	98.	1090.	99.					$$$	$$$	
			Sodium		-10.	-99999	977.	98.	1010.	101.					$$$	$$$	
			Potassium		-100.	-99999	976.	104.	828.	89.					$$$	$$$	
			Aluminum		**-3.**	**-99999**	**201.**	**99.**	**204.**	**101.**					$$$	$$$	
			Barium		-0.5	-99999.	99.4	100.	102.0	103.					$$$	$$$	
			Beryllium		-0.1	-99999.	49.7	99.	50.6	101.					$$$	$$$	
			Cadmium		-1.	-99999	49.	97.	49.	98.					$$$	$$$	
			Chromium		-1.	-99999	99.	99.	100.	99.					$$$	$$$	
			Cobalt		-5.	-99999	102.	102.	103.	103.					$$$	$$$	
			Copper		-1.	-99999	99.	99.	101.	101.					$$$	$$$	
			Iron		-5.	-99999	1210.	101.	1230.	102.					$$$	$$$	
			Lead		-5.	-99999	101.	101.	95.	95.					$$$	$$$	
			Manganese		-1.	-99999	99.	99.	101.	101.					$$$	$$$	
			Molybdenum		-1.	-99999	50.	100.	50.	100.					$$$	$$$	
			Nickel		-5.	-99999	50.	100.	50.	101.					$$$	$$$	
			Phosphorus		-10.	-99999	490.	97.	500.	99.					$$$	$$$	
			Silver		-1.0	-99999.	50.5	100.	51.9	102.					$$$	$$$	
			Thallium		-10.	-99999	96.	95.	97.	97.					$$$	$$$	
			Vanadium		-1.	-99999	50.	99.	50.	100.					$$$	$$$	
			Zinc		-1.	-99999	194.	97.	198.	99.					$$$	$$$	

19 Tests for 6010-S with an MDL of 20 mg/kg Validated By NR Control Chart Updated _____ IO Requirements met ____

Revision 1
Effective 001017

EPA 3050B SOIL PREPARATION LOG

00035

DG3050B

Check List

- ✓ Digest Code done/Tubes labeled
- ✓ Samples weighed out
- ✓ Samples spiked
- ✓ Acids added
- ✓ Samples digested
- ✓ Peroxide step performed
- ✓ HCL acid added
- ✓ Samples bulked/centrifuged
- ✓ Rack order checked

	#	Sample I.D.	B.Code	Init.Wt.	F. Vol.	Dil.	Comment
	1	BL 0508	5521	0.5	50 ml.	100	23517
	2	BL S	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	3	BL DS	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	4	External Reference Material		0.496	"	"	ERA 249
1	5	22726	"	0.502	"	"	
1	6	D	"	0.505	"	"	
1	7	S	"	0.499	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
1	8	DS	"	0.498	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
2	9	27	"	0.504	"	"	
3	10	28	"	0.497	"	"	
4	11	29	"	0.503	"	"	
5	12	30	"	0.504	"	"	
6	13	31	"	0.500	"	"	
	14	32	"	0.500	"	"	
8	15	33	"	0.497	"	"	
9	16	34	"	0.498	"	"	
10	17	35	"	0.504	"	"	
11	18	36	"	0.498	"	"	
12	19	37	"	0.504	"	"	
13	20	38	"	0.504	"	"	
14	21	39	"	0.502	"	"	
15	22	40	"	0.501	"	"	
16	23	41	"	0.505	"	"	
17	24	42	"	0.503	"	"	
18	25	23518	"	0.496	"	"	
19	26		"	"	"	"	
20	27		"	"	"	"	

Notes:

***DO NOT CENTRIFUGE THE FINAL DIGEST AT SPEEDS GREATER THAN 2000 RPM

ICP AUTOSAMPLER RUN LOG Analyst: NR Run Date: 020508 Run Code: NR01

R2	PASC I.D.	DILUTION	BATCH
1	BL0508	100x	SSA1
2	BL0508S		
3	ERA 249		
4	024606		
5	606 D		
6	606 S		
7	607		
8	608		
9	025196		
10	197		
11	186		
12	187		
13	193		
14	194		
15	024943		
16	BL0506	1x	HRA2
17	BL0506S		
18	024060		
19	060D		
20	060S		
21	023990		
22	024061		
23	062		
24	063		
25	064		
26	065	5x	
27	066	1x	
28	067		
29	025045		
30	BL0506	1x	STA2
31	BL0506S		
32	024069		
33	069D		
34	069S		
35	070		
36	071		
37	072	5x	
38	073	1x	
39	024168 NL	1x	
40	161	5x	
41	162	1x	
42	024307		
43	353		
44	BL0502	1x	STC1
45	BL0502S		
46	BL0502x		
47	023294	1000x	
48	294D		
49	294S		
50	294x		
51	295		
52	296		
53	297		
54	298		
55	299		
56	300		
57	301		
58	302		
59	DC 302	5000x	
60	023303	100x	

R3	PASC I.D.	DILUTION	BATCH
1	023304	100x	STC1
2	305		
3	306		
4	307		
5	308		
6	309		
7	310		
8	311		
9	DC 311	500x	
10	024250	1x	
11	251	10x	
12	BL0508	100x	SSZ1
13	BL0508S		
14	BL0508x		
15	ERA 249		
16	022726		
17	726D		
18	726S		
19	726x		
20	727		
21	728		
22	729		
23	730		
24	731		
25	732		
26	733		
27	734		
28	735		
29	736		
30	737		
31	738		
32	739		
33	740		
34	741		
35	742		
36	DC 742	500x	
37	023518	100x	
38	BL0501	4000x	MNB1
39	BL0501S MS		
40	023360		
41	361		
42	361D		
43	361S MS		
44	362		
45	363		
46	364		
47	365		
48	366		
49	DC 366	20000	
50	BL0507	100x	HRA4
51	BL0507S		
52	ERA 249		
53	024378		
54	378D		
55	378S		
56	389		
57	390		
58	391		
59	392		
60	024393	↓	

5 ANALYSES

33	STDLOW
42	STDAHIGH
33	STDBHIGH
18	ICVA
16	ICVB

49	ICSA
43	ICSAB
103	CCVA
101	CCVB
120	CCB/ICB

(HF matrix standards are prepared fresh for each day's analysis as required)

023505 . NK21

R4	PASC I.D.	DILUTION	BATCH
1	024394	100 x	HRA4
2	395		
3	396		
4	397		
5	BL0507	100 x	HRA5
6	BL0507S		
7	024398		
8	398 D		
9	398S		
10	399		
11	400		
12	024593		
13	024643		
14	644		
15	645		
16	646		
17	647		
18	648		
19	BL0507	100 x	HRA6
20	BL0507S		
21	024694		
22	694D		
23	694S		
24	700		
25	701		
26	702		
27	703		
28	704		
29	705		
30	024603		
31	604		
32	605		
33	BL0508	50 x	SSS1
34	BL0508S		
35	025434		
36	LOP 434D		
37	PDS 434S		
38	440		
39	BL0503	1 x	STA2
40	BL0503S		
41	023574	2.4	
42	574D	DIL	REQ.
43	574S		
44	538		
45	539		
46	540		
47	541		
48	542	10 x	
49	543	10x	
50	544	10x	
51	545	10 x	
52	546	10 x	
53	BL0503	1 x	STA3
54	BL0503S		
55	NK ~~023651~~ 023561		
56	023561 D		
57	561 S		
58	547	10 x	
59	548	10 x	
60	549	1 x	

R5	PASC I.D.	DILUTION	BATCH
1	023562	1 x	STA3
2	563		
3	564		
4	565	DWU - DIL REQ.	
5	566		
6	023573		
7			
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Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/08/02 10:47:43
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0151	-.0215	.0061	-.0006	-.00006	-.0018	-.0049
SDev	.0141	.0079	.0053	.0011	.00000	.0001	.0043
%RSD	93.78	36.74	87.75	173.2	6.6327	4.352	86.68
#1	.0256	-.0190	.0101	-.0019	-.00005	-.0019	-.0074
#2	-.0010	-.0303	.0000	.0000	-.00006	-.0018	-.0074
#3	.0206	-.0152	.0081	-.0000	-.00006	-.0019	.0000

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	-.0040	-.0040	.0046	-.0140	.0005	-.0003
SDev	.0011	.0023	.0005	.0020	.0051	.0000	.0003
%RSD	28.39	56.74	12.99	43.30	36.27	.0000	91.58
#1	-.0053	-.0062	-.0043	.0058	-.0089	.0005	-.0000
#2	-.0036	-.0017	-.0043	.0058	-.0139	.0005	-.0003
#3	-.0031	-.0040	-.0034	.0023	-.0190	.0005	-.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0019	-.4988	-.0313	.0015	-.0432	-.0027
SDev	.0034	.0143	.4842	.0074	.0038	.0124	.0149
%RSD	188.4	750.2	97.06	23.70	260.0	28.64	553.8
#1	.0049	.0015	-.0147	-.0292	.0058	-.0297	.0103
#2	-.0018	-.0122	-.4988	-.0252	-.0007	Q-.0540	-.0190
#3	.0022	.0164	-.9830	-.0396	-.0007	-.0459	.0006

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	.0009	.0041	.0017	.0003	-.0248	-.0037
SDev	.0015	.0005	.0000	.0193	.0040	.0153	.0139
%RSD	79.38	58.28	.0929	1112.	1513.	61.87	379.4
#1	-.0030	.0014	.0041	-.0148	.0045	-.0412	.0059
#2	-.0024	.0006	.0041	.0230	-.0034	-.0108	-.0196
#3	-.0002	.0005	.0041	-.0030	-.0003	-.0225	.0027

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm-
Avge	.0421	-.0002	-.0038	-.0021	-.0000	.0044
SDev	.0082	.0004	.0045	.0009	.0000	.0035
%RSD	19.58	173.2	119.4	43.30	86.68	79.39
#1	.0340	.0002	-.0023	-.0026	-.0000	.0085
#2	.0417	-.0005	-.0089	-.0026	-.0000	.0024
#3	Q.0505	-.0005	-.0002	-.0010	.0000	.0024

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/08/02 10:51:32
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	-.0126	.0041	-.0006	-.00012	-.0018	-.0012
SDev	.0111	.0095	.0054	.0011	.00010	.0001	.0057
%RSD	199.1	75.50	131.7	173.2	85.221	4.483	462.9
#1	.0182	-.0038	.0102	-.0019	-.00024	-.0019	-.0074
#2	-.0029	-.0228	.0000	-.0000	-.00006	-.0018	.0037
#3	.0014	-.0114	.0020	-.0000	-.00006	-.0018	.0000

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0007	-.0039	-.0030	.0052	-.0211	.0004	-.0003
SDev	.0017	.0017	.0022	.0020	.0127	.0001	.0001
%RSD	229.2	42.76	72.34	38.49	60.16	34.64	34.59
#1	-.0026	-.0043	-.0056	.0075	-.0342	.0005	-.0002
#2	-.0004	-.0053	-.0016	.0041	-.0202	.0002	-.0003
#3	.0007	-.0020	-.0019	.0041	-.0089	.0005	-.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	-.0010	-.4402	-.0226	.0013	-.0459	-.0119
SDev	.0018	.0043	.1779	.0207	.0018	.0214	.0225
%RSD	28.12	454.3	40.42	91.59	138.9	46.68	188.3
#1	.0045	-.0059	-.2788	-.0461	.0019	-.0216	-.0206
#2	.0081	.0010	-.4108	-.0148	.0028	Q-.0621	-.0287
#3	.0067	.0021	-.6309	-.0070	-.0007	Q-.0540	.0136

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	.0000	.0020	-.0083	.0003	-.0006	.0064
SDev	.0021	.0005	.0054	.0249	.0016	.0014	.0183
%RSD	126.2	5283.	263.8	301.3	625.4	217.1	285.8
#1	-.0041	-.0003	.0000	-.0317	.0021	-.0014	-.0116
#2	-.0008	-.0003	.0081	-.0109	-.0003	-.0014	.0249
#3	-.0002	.0006	-.0020	.0178	-.0011	.0009	.0058

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm-
Avge	.0410	-.0000	-.0010	-.0021	-.0000	-.0012
SDev	.0028	.0004	.0035	.0009	.0000	.0012
%RSD	6.741	3322000.	349.8	43.30	462.9	100.6
#1	.0406	.0002	-.0041	-.0026	-.0000	-.0018
#2	.0384	.0002	.0028	-.0026	.0000	-.0020
#3	.0439	-.0005	-.0017	-.0010	.0000	.0002

Method: STD_MTD Standard: STDLOW
Run Time: 05/08/02 10:57:08

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Avge	.0067	-.0003	.0005	-.0003	.00080	.0001	.0005
SDev	.0020	.0007	.0005	.0002	.00000	.0001	.0002
%RSD	30.35	210.7	94.37	86.60	.00000	86.60	49.49
#1	.0056	-.0010	.0010	-.0004	.00080	.0000	.0006
#2	.0090	.0004	.0006	.0000	.00080	.0002	.0006
#3	.0054	-.0004	.0000	-.0004	.00080	.0002	.0002

Elem	Cr	Co	Cu	Fe	Fe	Pb	Mg
Avge	-.0005	-.0010	-.0009	-.0014	-.0003	-.0004	.0002
SDev	.0003	.0009	.0008	.0032	.0005	.0010	.0007
%RSD	65.47	87.18	81.13	226.8	173.2	259.8	346.4
#1	-.0004	.0000	-.0004	.0022	-.0008	-.0010	.0010
#2	-.0002	-.0014	-.0006	-.0026	.0000	-.0010	-.0002
#3	-.0008	-.0016	-.0018	-.0038	.0000	.0008	-.0002

Elem	Mg	Mn	Hg	Ni	K	Se	Ag
Avge	.0000	.0002	.0009	-.0002	.0107	-.0014	.0029
SDev	.0000	.0000	.0029	.0009	.0022	.0023	.0012
%RSD	.0000	.0000	312.2	458.3	20.74	164.8	39.95
#1	.0000	.0002	-.0014	.0006	.0130	.0010	.0016
#2	.0000	.0002	.0042	-.0012	.0086	-.0036	.0034
#3	.0000	.0002	.0000	.0000	.0104	-.0016	.0038

Elem	Na	Tl	V	Zn	B	Bi	Mo
Avge	.0228	-.0003	-.0016	-.0004	.0002	.0013	-.0005
SDev	.0003	.0025	.0002	.0004	.0002	.0017	.0004
%RSD	1.519	759.7	12.50	100.0	100.0	132.4	89.21
#1	.0230	-.0032	-.0014	-.0008	.0000	.0004	-.0008
#2	.0230	.0016	-.0018	.0000	.0004	.0002	.0000
#3	.0224	.0006	-.0016	-.0004	.0002	.0032	-.0006

Elem	P	S	Si	Sr	Sn	Ti	Y
Avge	.0060	.0013	.0045	-.0001	-.0019	-.0003	-.0001
SDev	.0043	.0037	.0009	.0001	.0063	.0002	.0001
%RSD	71.72	278.7	20.38	173.2	324.2	86.60	173.2
#1	.0016	-.0012	.0040	-.0002	.0050	-.0004	-.0002
#2	.0062	.0056	.0056	.0000	-.0072	.0000	.0000
#3	.0102	-.0004	.0040	.0000	-.0036	-.0004	.0000

Elem	Zr
Avge	.0006
SDev	.0006
%RSD	100.0
#1	.0006
#2	.0012
#3	.0000

Method: STD_MTD Standard: STDAHIGH
Run Time: 05/08/02 11:01:01

Elem	Al	As	Ba	Be	Cd	Ca	Cr
Avge	6.160	.4761	1.962	5.2045	1.305	5.281	3.533
SDev	.053	.0057	.017	.0480	.010	.049	.031
%RSD	.8683	1.199	.8784	.92224	.7479	.9189	.8673
#1	6.221	.4826	1.981	5.2596	1.316	5.337	3.568
#2	6.133	.4718	1.950	5.1818	1.299	5.251	3.514
#3	6.125	.4740	1.954	5.1720	1.299	5.254	3.517

Elem	Co	Cu	Fe	Pb	Mg	Mn	Hg
Avge	6.043	6.165	8.833	1.582	4.470	11.55	.8625
SDev	.057	.050	.079	.015	.038	.10	.0200
%RSD	.9361	.8029	.8998	.9782	.8423	.8379	2.322
#1	6.108	6.222	8.925	1.600	4.513	11.66	.8840
#2	6.006	6.137	8.785	1.573	4.452	11.49	.8590
#3	6.015	6.135	8.790	1.573	4.444	11.49	.8444

Elem	Ni	K	Se	Ag	Na	Tl	V
Avge	1.692	.4310	.7472	2.179	2.289	1.219	1.705
SDev	.016	.0035	.0083	.020	.020	.016	.014
%RSD	.9310	.8037	1.113	.9256	.8895	1.308	.8331
#1	1.709	.4290	.7562	2.202	2.312	1.238	1.721
#2	1.690	.4290	.7456	2.168	2.280	1.209	1.697
#3	1.678	.4350	.7398	2.167	2.274	1.211	1.697

Elem	Zn	B	Bi	P	Sr	Y
Avge	8.907	.9265	.7330	20.72	1.332	1.762
SDev	.073	.0059	.0085	.20	.012	.016
%RSD	.8148	.6364	1.160	.9494	.8889	.9125
#1	8.991	.9332	.7416	20.95	1.346	1.781
#2	8.868	.9244	.7328	20.60	1.325	1.752
#3	8.862	.9220	.7246	20.62	1.325	1.754

Method: STD_MTD Standard: STDBHIGH
Run Time: 05/08/02 11:05:42

Elem	Sb	Fe	Mg	Mo	S	Si	Sn
Avge	.2501	6.687	8.011	1.210	1.183	3.452	6.482
SDev	.0034	.051	.054	.010	.009	.038	.032
%RSD	1.377	.7696	.6701	.8036	.7958	1.089	.4906
#1	.2462	6.684	7.965	1.200	1.174	3.411	6.452
#2	.2512	6.740	8.070	1.219	1.193	3.484	6.515
#3	.2528	6.638	7.999	1.210	1.183	3.462	6.478

Elem	Ti	Zr
Avge	2.442	6.790
SDev	.018	.046
%RSD	.7473	.6806
#1	2.427	6.751
#2	2.462	6.841
#3	2.437	6.777

Method: STD_MTD Sample Name: ICVA Operator: NR
Run Time: 05/08/02 11:09:52
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.969	.0945	2.507	5.006	2.4959	2.502	52.07
SDev	.036	.0174	.017	.017	.0063	.008	.17
%RSD	.3596	18.42	.6683	.3402	.25125	.3084	.3191
#1	10.00	.1145	2.526	5.021	2.5029	2.509	52.19
#2	9.970	.0825	2.496	5.009	2.4940	2.504	52.14
#3	9.933	.0865	2.499	4.987	2.4907	2.494	51.88

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.029	5.158	4.970	10.13	5.087	47.71	5.021
SDev	.010	.013	.014	.01	.034	.10	.011
%RSD	.2003	.2502	.2813	.1257	.6765	.2151	.2179
#1	5.036	5.165	4.986	10.13	5.119	47.81	5.031
#2	5.033	5.166	4.965	10.14	5.092	47.72	5.024
#3	5.017	5.143	4.960	10.11	5.051	47.60	5.009

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.386	2.533	49.48	2.491	2.514	49.65	5.081
SDev	.022	.013	.73	.020	.008	.14	.077
%RSD	1.567	.4983	1.475	.8123	.3251	.2896	1.518
#1	1.407	2.543	49.13	2.484	2.522	49.81	5.167
#2	1.388	2.539	50.32	2.514	2.512	49.58	5.060
#3	1.364	2.519	48.99	2.475	2.506	49.55	5.017

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.499	10.03	5.029	2.517	.0118	25.08	.0396
SDev	.005	.02	.014	.037	.0017	.09	.0225
%RSD	.1831	.1786	.2768	1.461	14.55	.3719	56.69
#1	2.502	10.05	5.035	2.477	.0124	25.15	.0151
#2	2.501	10.02	5.013	2.550	.0132	25.11	.0445
#3	2.494	10.02	5.039	2.525	.0099	24.97	.0593

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0155	2.478	-.0051	.0033	4.972	-.0124
SDev	.0071	.008	.0090	.0009	.019	.0019
%RSD	45.83	.3192	176.4	28.87	.3900	15.61
#1	.0217	2.485	-.0138	.0027	4.990	-.0141
#2	.0170	2.479	.0042	.0044	4.974	-.0103
#3	.0077	2.469	-.0057	.0027	4.952	-.0127

Method: STD_MTD Sample Name: ICVB Operator: NR
Run Time: 05/08/02 11:14:37
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1079	2.500	-.0053	.0007	-.00038	-.0008	-.0393
SDev	.0099	.039	.0037	.0012	.00000	.0001	.0100
%RSD	9.161	1.552	69.57	173.2	.58942	7.312	25.52
#1	.1193	2.491	-.0032	-.0007	-.00038	-.0008	-.0507
#2	.1010	2.543	-.0096	.0014	-.00038	-.0007	-.0355
#3	.1036	2.467	-.0031	.0014	-.00038	-.0008	-.0317

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0077	.0030	51.11	.0116	5.067	-.0005
SDev	.0015	.0017	.0022	.36	.0129	.035	.0001
%RSD	1148.	22.04	72.93	.7097	111.1	.6954	17.05
#1	-.0018	.0061	.0005	51.45	.0035	5.065	-.0005
#2	.0010	.0095	.0048	50.73	.0264	5.103	-.0006
#3	.0004	.0075	.0038	51.14	.0048	5.033	-.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0071	-.3144	-.0198	.0416	-.0026	-.3014
SDev	.0061	.0026	.7639	.0105	.0035	.0101	.0287
%RSD	2005.	36.32	243.0	53.30	8.432	386.0	9.521
#1	-.0012	-.0100	-1.026	-.0319	.0424	.0032	-.2882
#2	.0062	-.0059	-.4102	-.0143	.0378	-.0143	-.2817
#3	-.0059	-.0053	.4929	-.0131	.0446	.0033	-.3343

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	-.0074	.0072	-.0917	2.538	.0248	5.029
SDev	.0009	.0005	.0033	.0258	.022	.0162	.023
%RSD	30.69	6.703	45.87	28.17	.8516	65.49	.4600
#1	-.0031	-.0071	.0043	-.0803	2.518	.0382	5.033
#2	-.0019	-.0080	.0108	-.1213	2.561	.0293	5.049
#3	-.0037	-.0071	.0065	-.0735	2.536	.0068	5.004

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.076	-.0000	5.084	4.988	.0004	4.988
SDev	.033	.0004	.022	.034	.0000	.037
%RSD	.6529	110200.	.4396	.6850	.0053	.7476
#1	5.060	-.0005	5.095	4.984	.0004	4.997
#2	5.114	.0002	5.099	5.024	.0004	5.020
#3	5.054	.0002	5.058	4.956	.0004	4.947

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/08/02 11:18:29
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0570	.0266	-.0061	.0007	.00006	-.0004	.0063
SDev	.0050	.0183	.0087	.0012	.00011	.0001	.0076
%RSD	8.816	68.74	142.1	173.2	169.16	30.84	121.0
#1	Q.0625	.0106	-.0148	.0014	.00000	-.0003	-.0013
#2	Q.0559	.0466	-.0061	-.0007	-.00000	-.0004	.0063
#3	Q.0526	.0226	.0026	.0014	.00018	-.0006	.0139

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0010	.0016	.0078	.0067	.0007	.0005
SDev	.0023	.0018	.0022	.0004	.0162	.0000	.0001
%RSD	151.6	176.6	136.1	5.771	243.4	.0000	21.67
#1	-.0009	-.0010	-.0001	.0083	-.0039	.0007	.0003
#2	.0036	.0017	.0009	.0074	-.0014	.0007	.0005
#3	.0019	.0023	.0041	.0078	.0253	.0007	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0061	-.0063	Q-1.488	-.0103	.0086	Q-.1177	-.0038
SDev	.0068	.0075	.165	.0215	.0032	.0051	.0143
%RSD	112.7	118.7	11.06	209.4	37.60	4.330	370.8
#1	.0002	-.0077	Q-1.393	-.0348	.0116	Q-.1148	-.0121
#2	-.0050	-.0130	Q-1.678	.0053	.0089	Q-.1236	-.0121
#3	-.0134	.0018	Q-1.393	-.0014	.0052	Q-.1148	.0126

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0018	-.0000	.0137	.0050	-.0220	.0174
SDev	.0026	.0009	.0057	.0123	.0060	.0129	.0398
%RSD	338.0	48.90	344300.	90.10	120.6	58.45	228.7
#1	-.0018	.0027	-.0065	.0255	.0118	-.0357	Q.0564
#2	.0006	.0009	.0043	.0009	.0019	-.0101	-.0232
#3	.0035	.0018	.0022	.0146	.0011	-.0203	.0190

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0654	.0003	.0032	.0016	.0026	.0078
SDev	.0058	.0000	.0086	.0009	.0020	.0031
%RSD	8.935	.0302	268.8	57.74	74.23	39.53
#1	Q.0715	.0003	.0110	.0027	.0004	.0112
#2	Q.0646	.0003	.0045	.0011	.0038	.0068
#3	Q.0599	.0003	-.0060	.0011	.0038	.0053

Method: STD_MTD Sample Name: ICB Operator: NR
Run Time: 05/08/02 11:24:04
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0244	.0146	-.0009	Q.0014	-.00000	-.0018	.0050
SDev	.0107	.0040	.0069	.0000	.00000	.0016	.0022
%RSD	44.06	27.27	803.6	.0005	99.978	86.64	43.02
#1	.0285	.0186	.0071	Q.0014	-.00000	-.0006	.0063
#2	.0122	.0106	-.0059	Q.0014	-.00000	-.0012	.0025
#3	Q.0324	.0146	-.0038	Q.0014	-.00000	Q-.0036	.0063

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0003	.0014	.0023	.0021	.0002	.0001
SDev	.0010	.0024	.0008	.0014	.0149	.0001	.0001
%RSD	520.0	721.2	53.29	61.11	718.7	86.60	86.64
#1	-.0009	.0003	.0018	.0020	-.0140	.0000	.0002
#2	.0008	-.0030	.0005	.0011	.0152	.0002	-.0000
#3	.0008	.0017	.0018	.0038	.0050	.0002	.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0022	-.5540	.0160	.0060	.0383	.0038
SDev	.0046	.0049	.3335	.0232	.0051	.0334	.0354
%RSD	173.3	227.1	60.20	144.6	85.07	87.37	920.8
#1	-.0026	.0006	-.5857	-.0094	.0066	.0530	.0340
#2	.0053	-.0018	-.8706	.0361	.0006	-.0000	-.0351
#3	.0053	.0077	-.2058	.0214	Q.0107	.0618	.0126

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.0018	.0022	-.0145	.0030	.0011	-.0226
SDev	.0006	.0009	.0022	.0241	.0013	.0007	.0196
%RSD	99.98	49.18	99.80	165.8	41.65	65.40	86.45
#1	.0012	.0018	.0022	-.0305	.0028	.0019	-.0452
#2	.0006	.0009	.0000	-.0264	.0019	.0010	-.0113
#3	.0000	.0027	.0043	.0132	.0044	.0005	-.0114

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0097	-.0003	.0053	.0005	.0004	.0008
SDev	.0018	.0004	.0047	.0009	.0000	.0007
%RSD	18.33	173.2	89.86	173.2	.0012	86.60
#1	.0077	.0003	.0011	.0011	.0004	-.0000
#2	.0112	-.0005	.0042	-.0005	.0004	.0012
#3	.0101	-.0005	.0104	.0011	.0004	.0012

Method: STD_MTD Sample Name: CRI Operator: NR
Run Time: 05/08/02 11:30:56
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1950	.1677	.0933	Q.0075	.00506	.0103	.5441
SDev	.0094	.0083	.0024	.0000	.00011	.0005	.0038
%RSD	4.797	4.956	2.624	.0002	2.2072	4.581	.6972
#1	Q.1913	.1584	.0947	Q.0075	.00494	.0097	.5403
#2	Q.2056	.1704	.0946	Q.0075	.00512	.0105	.5479
#3	Q.1881	.1744	.0905	Q.0075	.00513	.0106	.5441

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0238	.0578	.0345	.0554	.1194	.2586	.0258
SDev	.0029	.0023	.0018	.0012	.0152	.0020	.0007
%RSD	11.98	4.019	5.180	2.163	12.69	.7661	2.685
#1	.0211	.0576	.0346	.0545	Q.1241	.2571	.0251
#2	Q.0268	.0556	Q.0362	.0568	Q.1316	.2579	.0258
#3	.0234	Q.0602	.0327	.0549	.1025	.2609	.0265

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	.0561	2.201	.3232	Q.0144	.5620	.3160
SDev	.0005	.0124	.598	.0182	.0024	.0051	.0279
%RSD	36.68	22.06	27.15	5.635	16.88	.9072	8.823
#1	-.0018	.0591	Q1.647	.3089	Q.0162	.5650	.2923
#2	-.0008	Q.0668	2.834	.3170	Q.0153	.5561	.3467
#3	-.0018	.0425	2.122	.3437	Q.0117	.5650	.3088

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0291	.0267	Q.1325	.2739	.0559	.2441	.2905
SDev	.0021	.0009	.0045	.0106	.0019	.0128	.0277
%RSD	7.070	3.313	3.399	3.890	3.413	5.252	9.550
#1	.0293	.0258	Q.1340	.2793	.0548	Q.2293	.3210
#2	Q.0311	.0276	Q.1362	.2616	.0581	.2515	.2667
#3	.0270	.0268	Q.1275	.2807	.0548	.2515	.2837

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5250	.0055	.2631	.0524	.0049	.0411
SDev	.0072	.0008	.0028	.0009	.0000	.0065
%RSD	1.373	13.62	1.061	1.804	.0002	15.71
#1	.5211	.0055	.2629	.0519	.0049	Q.0339
#2	.5205	Q.0063	.2604	.0535	.0049	.0433
#3	.5333	.0048	.2660	.0519	.0049	.0463

Method: STD_MTD Sample Name: ICSA Operator: NR
Run Time: 05/08/02 11:34:49
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	298.3	.0186	.0084	-.0001	.00031	-.0035	491.0
SDev	3.8	.0174	.0135	.0000	.00011	.0041	4.1
%RSD	1.266	93.40	160.7	10.69	35.396	115.8	.8258
#1	302.2	-.0013	-.0050	-.0001	.00019	-.0010	495.3
#2	294.7	.0266	.0082	-.0001	.00039	Q-.0082	487.2
#3	297.9	.0306	.0221	-.0001	.00037	-.0014	490.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-.0026	.0050	203.5	-.0014	486.2	-.0073
SDev	.0036	.0013	.0032	.2	.0211	6.4	.0002
%RSD	183.5	50.95	65.33	.0942	1521.	1.325	2.502
#1	-.0058	-.0041	.0018	203.7	-.0255	493.1	-.0074
#2	.0013	-.0024	.0083	203.3	.0134	480.3	-.0074
#3	-.0014	-.0014	.0048	203.6	.0080	485.1	-.0071

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	Q-.0093	Q-.4019	-.0810	-.0022	-.1397	.0085
SDev	.0066	.0171	.5669	.0338	.0027	.0244	.0327
%RSD	211.4	184.3	141.0	41.69	123.1	17.47	384.5
#1	-.0022	Q-.0290	Q-.9287	-.0468	-.0042	-.1585	.0211
#2	.0030	.0006	Q-.4751	-.1143	.0009	-.1121	.0331
#3	-.0101	.0006	.1980	-.0820	-.0033	-.1483	-.0286

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0062	.0049	-.0072	.0079	.0151	.0286	.1140
SDev	.0030	.0010	.0045	.0139	.0037	.0151	.1100
%RSD	48.27	19.98	62.52	175.7	24.54	52.74	96.49
#1	.0029	.0039	-.0022	-.0081	.0154	.0286	-.0107
#2	.0087	.0051	-.0086	.0149	.0186	.0135	.1553
#3	.0070	.0058	-.0108	.0169	.0112	.0436	.1974

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0499	.0117	.0034	.0076	.0006	.0067
SDev	.0088	.0008	.0070	.0016	.0013	.0017
%RSD	17.65	7.151	207.2	21.43	215.8	25.09
#1	.0483	.0112	-.0004	.0060	-.0009	.0053
#2	.0594	.0126	.0115	.0093	.0014	.0085
#3	.0420	.0112	-.0010	.0076	.0014	.0062

Method: STD_MTD Sample Name: ICSAB Operator: NR
Run Time: 05/08/02 11:39:01
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	296.9	1.006	1.033	.4892	.47279	.9819	486.2
SDev	1.1	.038	.025	.0020	.00135	.0073	1.3
%RSD	.3655	3.772	2.381	.4160	.28589	.7437	.2714
#1	297.1	.9691	1.052	.4892	.47291	.9778	485.7
#2	295.8	1.005	1.005	.4872	.47137	.9777	485.2
#3	297.9	1.045	1.042	.4913	.47407	.9904	487.7

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4721	.4807	.5184	202.9	.9662	485.1	.4598
SDev	.0011	.0014	.0015	.7	.0232	1.6	.0016
%RSD	.2357	.2988	.2890	.3659	2.401	.3366	.3421
#1	.4720	.4802	.5192	203.5	.9683	485.4	.4598
#2	.4732	.4823	.5192	202.1	.9421	483.3	.4582
#3	.4710	.4796	.5166	203.2	.9883	486.5	.4613

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0133	.9460	.0074	.8969	.9941	-.1333	.0045
SDev	.0082	.0283	.6490	.0404	.0021	.0359	.0303
%RSD	61.71	2.988	8791.	4.502	.2117	26.90	672.6
#1	-.0125	.9135	-.5604	.8526	.9923	-.1748	.0062
#2	-.0218	.9596	.7148	.9064	.9937	-.1122	-.0266
#3	-.0055	.9649	-.1323	.9316	.9964	-.1131	.0340

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4815	.9869	.0136	-.0294	.0113	.0202	.0236
SDev	.0006	.0015	.0054	.0217	.0022	.0115	.0981
%RSD	.1269	.1516	39.97	73.76	19.21	56.59	415.2
#1	.4815	.9865	.0187	-.0321	.0089	.0112	-.0842
#2	.4809	.9856	.0143	-.0065	.0130	.0331	.1077
#3	.4821	.9885	.0078	-.0497	.0122	.0164	.0474

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7696	.0156	.0019	.0082	.0006	.0036
SDev	.0012	.0000	.0108	.0009	.0006	.0021
%RSD	.1569	.0845	559.3	11.55	110.0	56.95
#1	.7682	.0156	-.0093	.0076	.0002	.0038
#2	.7700	.0156	.0122	.0093	.0013	.0056
#3	.7706	.0156	.0029	.0076	.0002	.0015

Method: STD_MTD Sample Name: STDAHIGH Operator: NR
Run Time: 05/08/02 11:44:48
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.00	.1478	5.101	10.04	5.0134	5.017	100.0
SDev	.15	.0151	.029	.08	.0326	.043	.8
%RSD	.7525	10.23	.5647	.8378	.65106	.8608	.8033
#1	19.85	.1305	5.080	9.956	4.9786	4.969	99.11
#2	20.15	.1544	5.134	10.12	5.0433	5.054	100.7
#3	20.00	.1584	5.089	10.04	5.0184	5.026	100.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.04	10.02	10.01	20.02	10.04	100.0	10.06
SDev	.08	.08	.07	.16	.07	.7	.08
%RSD	.8028	.7775	.7420	.8097	.6659	.6718	.7921
#1	9.952	9.935	9.938	19.85	9.968	99.33	9.969
#2	10.11	10.09	10.09	20.17	10.09	100.7	10.13
#3	10.06	10.04	10.01	20.05	10.07	100.1	10.07

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.929	5.028	99.22	5.051	5.028	99.88	10.06
SDev	.023	.020	.20	.018	.031	.87	.08
%RSD	1.210	.3998	.1979	.3574	.6147	.8721	.8414
#1	1.942	5.007	99.38	5.051	4.998	99.08	9.971
#2	1.943	5.047	99.00	5.069	5.060	100.8	10.06
#3	1.902	5.029	99.29	5.033	5.025	99.76	10.14

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.021	20.01	10.05	5.032	.0102	50.25	.0649
SDev	.041	.13	.08	.010	.0051	.40	.0132
%RSD	.8188	.6498	.7714	.2042	49.50	.7991	20.31
#1	4.976	19.87	9.968	5.040	.0047	49.79	.0656
#2	5.057	20.13	10.12	5.021	.0147	50.51	.0514
#3	5.029	20.04	10.07	5.037	.0113	50.45	.0778

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0263	5.022	-.0082	.0055	10.03	-.0270
SDev	.0065	.039	.0089	.0009	.07	.0003
%RSD	24.56	.7700	109.6	17.32	.7366	1.260
#1	.0205	4.984	-.0007	.0044	9.952	-.0274
#2	.0251	5.061	-.0057	.0060	10.10	-.0268
#3	.0333	5.021	-.0181	.0060	10.03	-.0268

Method: STD_MTD Sample Name: STDBHIGH Operator: NR
Run Time: 05/08/02 11:49:39
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1554	5.039	-.0139	.0000	-.00088	-.0010	-.0748
SDev	.0023	.014	.0163	.0012	.00011	.0002	.0044
%RSD	1.478	.2858	117.6	524200.	12.575	24.12	5.854
#1	.1533	5.023	.0021	.0014	-.00075	-.0013	-.0697
#2	.1578	5.051	-.0131	-.0007	-.00094	-.0010	-.0773
#3	.1552	5.043	-.0305	-.0007	-.00094	-.0008	-.0773

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0141	.0093	100.2	.0216	10.13	-.0020
SDev	.0015	.0003	.0022	.4	.0260	.05	.0004
%RSD	159.2	2.380	24.17	.3834	120.2	.5102	18.23
#1	.0002	.0145	.0119	99.98	.0402	10.17	-.0019
#2	-.0026	.0138	.0080	100.1	-.0081	10.15	-.0017
#3	-.0004	.0141	.0080	100.7	.0326	10.07	-.0025

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	-.0061	-.6968	-.0353	.0715	-.0018	-.5998
SDev	.0034	.0058	.5508	.0219	.0021	.0233	.0116
%RSD	61.25	95.48	79.05	61.88	2.965	1330.	1.926
#1	.0030	-.0089	-1.330	-.0308	.0703	.0160	-.5878
#2	.0095	.0006	-.3331	-.0161	.0703	-.0282	-.6108
#3	.0044	-.0100	-.4267	-.0591	.0740	.0070	-.6008

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0084	-.0167	.0065	-.1804	5.050	.0358	10.12
SDev	.0003	.0009	.0022	.0347	.020	.0063	.04
%RSD	3.921	5.441	33.45	19.23	.3989	17.59	.4394
#1	-.0080	-.0167	.0086	-.1426	5.035	.0374	10.15
#2	-.0086	-.0158	.0065	-.1877	5.073	.0412	10.13
#3	-.0086	-.0176	.0043	-.2108	5.043	.0289	10.06

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.10	.0002	10.07	10.06	.0019	10.07
SDev	.05	.0000	.05	.04	.0013	.04
%RSD	.4494	.0175	.4789	.3659	69.29	.3887
#1	10.05	.0002	10.11	10.08	.0026	10.09
#2	10.14	.0002	10.08	10.09	.0004	10.09
#3	10.11	.0002	10.01	10.02	.0026	10.02

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/08/02 11:53:32
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0416	-.0067	.0092	.0007	.00000	.0019	-.0013
SDev	.0056	.0100	.0108	.0012	.00000	.0045	.0114
%RSD	13.36	151.0	117.8	173.2	377.81	232.1	885.8
#1	.0364	-.0173	.0092	.0014	.00000	.0071	-.0126
#2	.0474	.0027	.0200	.0014	-.00000	-.0008	.0101
#3	.0409	-.0053	-.0017	-.0007	.00000	-.0005	-.0013

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	-.0030	-.0014	.0080	-.0081	.0009	-.0000
SDev	.0017	.0036	.0034	.0020	.0219	.0003	.0002
%RSD	152.7	122.2	243.1	25.52	268.8	31.49	58680.
#1	-.0026	-.0066	-.0050	.0101	-.0331	.0012	.0002
#2	.0008	.0007	.0018	.0078	.0075	.0007	-.0000
#3	-.0015	-.0030	-.0011	.0060	.0012	.0007	-.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	-.0022	Q-1.361	-.0125	.0067	Q-.1118	-.0071
SDev	.0019	.0086	.476	.0115	.0021	.0102	.0200
%RSD	75.69	397.4	34.94	92.29	31.49	9.115	281.3
#1	-.0036	-.0118	Q-1.393	-.0227	.0080	Q-.1060	-.0170
#2	-.0003	.0006	-.8706	-.0000	.0080	Q-.1060	-.0203
#3	-.0036	.0047	Q-1.820	-.0147	.0043	Q-.1236	.0159

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0012	.0043	.0214	.0063	-.0142	.0372
SDev	.0015	.0010	.0022	.0250	.0050	.0135	.0069
%RSD	377.8	82.57	49.80	117.0	79.69	95.55	18.57
#1	-.0018	.0001	.0022	.0432	.0118	-.0280	.0295
#2	.0012	.0018	.0065	.0268	.0052	-.0010	.0428
#3	-.0006	.0018	.0043	-.0059	.0019	-.0135	.0395

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0777	-.0000	.0078	.0011	.0008	.0079
SDev	.0185	.0004	.0071	.0000	.0007	.0037
%RSD	23.80	3400000.	90.41	.0000	86.61	47.48
#1	Q.0901	-.0005	.0135	.0011	.0004	.0112
#2	Q.0866	.0003	.0101	.0011	.0015	.0085
#3	Q.0565	.0003	-.0001	.0011	.0004	.0038

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/08/02 11:57:23
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0376	.0160	.0019	-.0007	-.00000	-.0005	.0063
SDev	.0057	.0061	.0144	.0000	.00000	.0002	.0038
%RSD	15.15	38.19	743.2	.0017	45.818	39.84	60.07
#1	.0442	.0226	-.0017	-.0007	-.00000	-.0005	.0025
#2	.0350	.0106	.0178	-.0007	-.00001	-.0008	.0063
#3	.0337	.0146	-.0103	-.0007	-.00000	-.0004	.0101

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0003	.0010	.0065	.0080	.0007	.0002
SDev	.0003	.0027	.0012	.0008	.0048	.0001	.0004
%RSD	28.88	799.2	126.2	12.09	60.49	21.65	156.3
#1	.0008	-.0023	-.0004	.0074	.0025	.0007	.0003
#2	.0013	.0003	.0018	.0060	.0101	.0007	-.0002
#3	.0013	.0030	.0015	.0060	.0114	.0005	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0086	-.0049	Q-1.361	.0040	.0051	Q-.1177	-.0088
SDev	.0030	.0150	.384	.0145	.0026	.0051	.0190
%RSD	35.49	303.9	28.20	361.4	51.67	4.330	216.1
#1	-.0054	.0112	Q-1.298	.0160	.0080	Q-.1148	-.0236
#2	-.0115	-.0183	Q-1.013	-.0120	.0043	Q-.1236	-.0154
#3	-.0087	-.0077	Q-1.773	.0080	.0029	Q-.1148	.0126

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0009	-.0000	.0009	.0008	-.0111	.0123
SDev	.0009	.0001	.0037	.0119	.0019	.0101	.0188
%RSD	45.82	6.282	676400.	1294.	230.8	90.80	152.3
#1	.0012	.0009	.0022	-.0127	-.0014	-.0227	-.0045
#2	.0029	.0010	.0022	.0091	.0019	-.0043	.0090
#3	.0018	.0009	-.0043	.0064	.0019	-.0063	.0326

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0518	.0000	.0100	.0005	.0000	.0017
SDev	.0042	.0004	.0044	.0009	.0029	.0003
%RSD	8.072	688600.	43.78	173.2	23e6	20.38
#1	.0472	.0003	.0076	.0011	.0004	.0021
#2	Q.0553	.0003	.0151	.0011	-.0030	.0015
#3	Q.0530	-.0005	.0073	-.0005	.0026	.0015

Method: STD_MTD Sample Name: BL0508 100 Operator: NR1
Run Time: 05/08/02 18:48:30
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0281	.0093	.0056	-.0007	-.00000	-.0006	.0846
SDev	.0029	.0100	.0125	.0000	.00000	.0002	.0087
%RSD	10.41	107.9	221.8	.0039	380600.	31.40	10.33
#1	.0253	.0106	-.0016	-.0007	.00000	-.0005	.0745
#2	.0279	.0186	-.0016	-.0007	-.00000	-.0005	.0897
#3	.0311	-.0013	.0200	-.0007	-.00000	-.0008	.0896

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0007	-.0001	.0097	.0029	.0050	.0001
SDev	.0015	.0030	.0029	.0000	.0153	.0022	.0001
%RSD	113.2	450.7	2666.	.0017	525.4	43.59	86.93
#1	-.0004	-.0023	-.0034	.0097	-.0128	.0075	.0002
#2	.0019	.0007	.0009	.0097	.0177	.0040	.0002
#3	.0025	.0036	.0022	.0097	.0037	.0035	-.0000

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	-.0024	-.6143	.0058	.0070	-.0530	.0060
SDev	.0033	.0099	.2500	.0205	.0024	.0318	.0146
%RSD	210.5	420.6	40.70	353.8	34.53	60.09	242.3
#1	-.0050	-.0100	-.8978	-.0067	.0043	-.0618	-.0055
#2	-.0012	.0089	-.4253	.0294	.0080	-.0795	.0011
#3	.0016	-.0059	-.5198	-.0054	.0089	-.0177	.0225

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0018	-.0014	.0023	-.0006	.0380	.0182
SDev	.0015	.0009	.0033	.0223	.0014	.0080	.0223
%RSD	373100.	50.57	228.7	979.6	259.9	21.05	122.3
#1	-.0018	.0027	-.0022	-.0168	-.0014	.0463	.0420
#2	.0006	.0018	-.0043	-.0032	.0011	.0372	-.0021
#3	.0012	.0009	.0022	.0268	-.0014	.0304	.0148

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	-.0002	.0065	.0000	.0004	-.0008
SDev	.0024	.0004	.0068	.0009	.0000	.0008
%RSD	208.2	173.8	104.5	2437e6	.0046	108.3
#1	-.0015	-.0005	.0141	-.0005	.0004	-.0018
#2	.0019	-.0005	.0042	-.0005	.0004	-.0003
#3	.0031	.0003	.0011	.0011	.0004	-.0003

Method: STD_MTD Sample Name: BL0508S 100 Operator: NR1
Run Time: 05/08/02 18:52:34
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.007	.4952	.4807	.9943	.49670	.4847	10.18
SDev	.021	.0061	.0200	.0124	.00657	.0066	.09
%RSD	1.041	1.232	4.161	1.247	1.3229	1.373	.9217
#1	2.020	.4899	.4901	.9881	.49351	.4775	10.10
#2	2.019	.4939	.4942	1.009	.50426	.4907	10.28
#3	1.983	.5019	.4577	.9861	.49234	.4858	10.14

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9885	1.018	.9870	12.08	1.008	10.75	.9890
SDev	.0093	.010	.0118	.13	.011	.12	.0098
%RSD	.9445	1.023	1.197	1.070	1.067	1.078	.9918
#1	.9807	1.009	.9808	12.00	1.012	10.69	.9828
#2	.9988	1.029	1.001	12.22	1.016	10.89	1.000
#3	.9858	1.015	.9795	12.00	.9960	10.68	.9838

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0864	.4954	9.763	.5072	.5048	9.775	.9588
SDev	.0048	.0032	.929	.0235	.0049	.114	.0100
%RSD	5.602	.6570	9.511	4.629	.9734	1.164	1.039
#1	.0808	.4922	9.070	.4978	.5038	9.742	.9681
#2	.0892	.4952	9.402	.5339	.5102	9.901	.9483
#3	.0892	.4987	10.82	.4898	.5006	9.681	.9599

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4958	1.938	.9910	.4842	.4969	4.897	.9761
SDev	.0071	.022	.0135	.0238	.0019	.103	.0406
%RSD	1.431	1.151	1.361	4.926	.3845	2.107	4.165
#1	.4903	1.925	.9866	.4906	.4947	4.854	.9763
#2	.5038	1.964	1.006	.5042	.4980	5.015	1.017
#3	.4932	1.926	.9802	.4578	.4980	4.823	.9353

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9721	.4947	.9651	.9816	.9824	.9733
SDev	.0102	.0067	.0108	.0118	.0105	.0112
%RSD	1.051	1.360	1.121	1.207	1.067	1.155
#1	.9626	.4912	.9526	.9740	.9764	.9663
#2	.9829	.5025	.9720	.9953	.9945	.9863
#3	.9707	.4905	.9706	.9756	.9764	.9675

Method: STD_MTD Sample Name: BL0508X 100 Operator: NR1
Run Time: 05/08/02 18:56:37
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.042	.4526	.5036	1.025	.50608	.4913	10.29
SDev	.021	.0848	.0307	.011	.01507	.0097	.36
%RSD	1.025	18.72	6.092	1.053	2.9776	1.982	3.497
#1	2.026	.4779	.4964	1.021	.51043	.4899	10.38
#2	2.066	.5218	.5372	1.037	.51849	.5017	10.59
#3	2.036	L.3581	.4772	1.017	.48931	.4824	9.892

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9956	1.027	1.006	12.27	.9514	10.94	1.009
SDev	.0366	.040	.024	.28	.0978	.28	.023
%RSD	3.674	3.854	2.351	2.319	10.28	2.546	2.266
#1	1.005	1.038	1.011	12.32	.9933	11.00	1.012
#2	1.027	1.060	1.026	12.53	1.021	11.18	1.030
#3	.9553	.9832	.9798	11.97	L.8396	10.64	.9845

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0783	.5005	L8.284	.4527	.5188	10.08	.9714
SDev	.0106	.0216	2.880	.0750	.0081	.17	.0362
%RSD	13.59	4.309	34.77	16.57	1.567	1.691	3.728
#1	.0817	.5147	10.02	.4736	.5148	10.04	.9680
#2	.0868	.5111	9.875	.5150	.5281	10.26	1.009
#3	.0664	.4757	L4.959	L.3694	.5134	9.928	.9369

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4973	1.976	1.017	.4760	.4994	5.003	1.010
SDev	.0211	.041	.025	.0111	.0070	.186	.056
%RSD	4.250	2.090	2.447	2.331	1.409	3.710	5.588
#1	.5032	1.986	1.036	.4838	.5022	5.079	1.024
#2	.5149	2.011	1.025	.4633	.5046	5.139	1.059
#3	.4739	1.930	.9889	.4810	.4914	4.791	.9483

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9898	.5095	.9735	.9991	1.008	.9875
SDev	.0122	.0068	.0322	.0216	.014	.0241
%RSD	1.231	1.337	3.311	2.165	1.351	2.441
#1	.9898	.5085	.9640	1.003	1.008	.9925
#2	1.002	.5168	1.009	1.018	1.022	1.009
#3	.9777	.5033	.9470	.9756	.9945	.9613

Method: STD_MTD Sample Name: ERA249 100 Operator: NR1
Run Time: 05/08/02 19:02:34
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	78.57	.4247	1.428	8.415	.99917	.5662	127.0
SDev	.47	.0092	.011	.050	.00607	.0059	.5
%RSD	.6033	2.172	.7492	.5989	.60793	1.046	.4141
#1	78.27	.4140	1.424	8.392	.99448	.5624	126.8
#2	78.32	.4300	1.421	8.380	.99699	.5631	126.6
#3	79.11	.4300	1.441	8.472	1.0060	.5730	127.6

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.493	.5461	1.629	153.0	.5482	29.28	4.921
SDev	.008	.0071	.010	1.9	.0186	.14	.027
%RSD	.5624	1.301	.6045	1.237	3.396	.4849	.5450
#1	1.488	.5469	1.623	151.5	.5281	29.20	4.906
#2	1.489	.5386	1.622	155.2	.5648	29.20	4.906
#3	1.503	.5528	1.640	152.4	.5517	29.44	4.952

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0123	.5941	33.40	.6741	1.457	7.842	1.153
SDev	.0039	.0045	.45	.0333	.009	.066	.032
%RSD	31.69	.7532	1.348	4.938	.6260	.8460	2.747
#1	.0092	.5909	32.89	.6358	1.450	7.805	1.180
#2	.0166	.5992	33.75	.6961	1.454	7.804	1.118
#3	.0110	.5921	33.55	.6903	1.467	7.919	1.160

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3882	6.412	.7387	-.0338	1.290	12.21	6.465
SDev	.0029	.028	.0150	.0215	.005	.08	.029
%RSD	.7366	.4391	2.027	63.76	.4201	.6431	.4556
#1	.3867	6.391	.7301	-.0585	1.285	12.17	6.436
#2	.3863	6.401	.7301	-.0188	1.296	12.17	6.462
#3	.3915	6.444	.7560	-.0241	1.289	12.30	6.495

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.454	1.007	.8701	1.841	.0891	.0714
SDev	.035	.006	.0048	.010	.0011	.0049
%RSD	.4637	.5829	.5523	.5270	1.273	6.872
#1	7.456	1.004	.8754	1.835	.0880	.0769
#2	7.419	1.003	.8659	1.836	.0903	.0698
#3	7.488	1.013	.8692	1.852	.0892	.0675

Method: STD_MTD Sample Name: 022726 100 Operator: NR1
Run Time: 05/08/02 19:06:38
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	117.5	.0466	.0809	.8507	.00589	.0086	69.28
SDev	1.6	.0317	.0095	.0116	.00001	.0007	.77
%RSD	1.330	68.03	11.76	1.363	.09432	8.517	1.112
#1	116.9	.0346	.0901	.8473	.00590	.0092	69.01
#2	119.3	.0825	.0815	.8636	.00589	.0078	70.15
#3	116.4	.0226	.0711	.8412	.00590	.0087	68.69

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2143	.0707	1.143	213.3	2.856	36.55	4.456
SDev	.0035	.0023	.015	1.8	.023	.44	.058
%RSD	1.614	3.292	1.352	.8640	.7990	1.213	1.298
#1	.2148	.0681	1.137	211.5	2.862	36.37	4.433
#2	.2176	.0726	1.161	213.2	2.876	37.06	4.522
#3	.2107	.0715	1.131	215.2	2.831	36.23	4.413

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0038	.1611	14.65	L-.0560	.0065	.4430	.0064
SDev	.0085	.0096	.53	.0168	.0016	.0046	.0093
%RSD	222.7	5.963	3.633	30.07	24.40	1.038	144.8
#1	L-.0116	.1696	14.77	L-.0367	.0047	.4377	L-.0043
#2	.0052	.1631	14.06	L-.0642	.0074	.4457	.0108
#3	L-.0050	.1507	15.11	L-.0672	.0074	.4456	.0128

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2603	2.537	.0453	L-.0133	.0152	9.283	6.603
SDev	.0022	.032	.0022	.0337	.0033	.109	.106
%RSD	.8471	1.247	4.768	252.3	21.97	1.176	1.608
#1	.2593	2.528	.0431	L-.0426	.0133	9.204	6.523
#2	.2628	2.573	.0453	.0234	.0133	9.407	6.723
#3	.2588	2.511	.0475	L-.0208	.0190	9.237	6.562

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.869	.1828	.3334	1.244	.0837	.0313
SDev	.091	.0024	.0120	.015	.0017	.0032
%RSD	1.327	1.324	3.600	1.219	2.072	10.36
#1	6.884	.1818	.3369	1.239	.0822	.0345
#2	6.952	.1856	.3432	1.261	.0856	.0280
#3	6.771	.1811	.3200	1.233	.0834	.0315

Method: STD_MTD Sample Name: 022726D 100 Operator: NR1
Run Time: 05/08/02 19:10:41
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	119.2	.0333	.1124	.8636	.00582	.0078	68.62
SDev	1.7	.0151	.0174	.0143	.00011	.0019	.87
%RSD	1.419	45.43	15.48	1.652	1.8056	24.19	1.267
#1	117.5	.0506	.0932	.8493	.00570	.0091	67.69
#2	119.2	.0266	.1170	.8636	.00588	.0056	68.74
#3	120.9	.0226	.1271	.8779	.00588	.0086	69.42

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2025	.0731	1.162	218.7	2.885	36.83	4.758
SDev	.0017	.0014	.017	1.4	.026	.46	.065
%RSD	.8175	1.920	1.429	.6285	.9120	1.244	1.357
#1	.2008	.0716	1.147	217.1	2.858	36.36	4.692
#2	.2041	.0744	1.159	219.5	2.887	36.85	4.759
#3	.2024	.0734	1.180	219.5	2.911	37.28	4.822

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.1586	14.01	L-.0468	.0028	.4443	L-.0281
SDev	.0054	.0160	.11	.0131	.0024	.0094	.0123
%RSD	2284.	10.12	.7674	28.05	87.19	2.114	43.66
#1	L-.0060	.1566	14.07	L-.0546	.0046	.4538	L-.0212
#2	.0038	.1755	13.89	L-.0542	.0037	.4441	L-.0422
#3	.0029	.1436	14.08	L-.0316	.0000	.4350	L-.0208

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2635	2.528	.0482	L-.0560	.0124	9.461	6.577
SDev	.0025	.031	.0013	.0046	.0000	.130	.103
%RSD	.9475	1.223	2.596	8.197	.0570	1.371	1.570
#1	.2607	2.498	.0496	L-.0559	.0124	9.358	6.548
#2	.2643	2.528	.0475	L-.0514	.0124	9.418	6.491
#3	.2655	2.559	.0475	L-.0606	.0124	9.607	6.691

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.077	.1861	.3396	1.285	.0845	.0292
SDev	.082	.0026	.0048	.018	.0020	.0010
%RSD	1.164	1.421	1.423	1.370	2.328	3.499
#1	6.985	.1833	.3389	1.268	.0822	.0298
#2	7.104	.1863	.3351	1.285	.0856	.0298
#3	7.144	.1886	.3447	1.303	.0856	.0280

Method: STD_MTD Sample Name: 022726S 100 Operator: NR1
Run Time: 05/08/02 19:14:45
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	144.1	.3727	.5914	1.898	.51259	.5005	79.35
SDev	.8	.0289	.0058	.013	.00245	.0010	.47
%RSD	.5676	7.751	.9789	.6981	.47817	.1931	.5952
#1	144.4	.3541	.5849	1.906	.51317	.5011	79.48
#2	144.8	.4060	.5960	1.905	.51470	.4994	79.74
#3	143.2	.3581	.5934	1.883	.50990	.5010	78.82

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.214	1.100	2.210	237.1	3.973	51.13	5.715
SDev	.009	.008	.014	2.1	.026	.27	.034
%RSD	.7750	.6974	.6318	.9058	.6480	.5309	.6003
#1	1.215	1.101	2.217	234.7	3.975	51.19	5.724
#2	1.222	1.108	2.218	237.9	3.997	51.37	5.743
#3	1.204	1.092	2.194	238.8	3.946	50.83	5.677

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0847	.6717	25.96	.4232	.5092	10.57	.9277
SDev	.0079	.0106	.77	.0183	.0008	.11	.0321
%RSD	9.328	1.579	2.948	4.328	.1562	1.015	3.457
#1	.0914	.6677	25.15	.4168	.5096	10.63	.9460
#2	.0760	.6636	26.05	.4439	.5096	10.63	.9465
#3	.0867	.6837	26.67	.4090	.5083	10.45	.8907

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7906	4.656	.9714	.4306	.5039	13.55	7.731
SDev	.0035	.024	.0078	.0305	.0017	.07	.084
%RSD	.4422	.5159	.8018	7.085	.3421	.4831	1.081
#1	.7905	4.666	.9778	.4501	.5053	13.60	7.718
#2	.7941	4.674	.9735	.4462	.5045	13.58	7.820
#3	.7871	4.629	.9627	.3954	.5020	13.48	7.654

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.546	.6986	1.228	1.976	1.085	.1514
SDev	.081	.0048	.013	.011	.008	.0021
%RSD	.9487	.6830	1.036	.5657	.7244	1.362
#1	8.620	.7014	1.229	1.984	1.090	.1491
#2	8.558	.7014	1.240	1.981	1.090	.1529
#3	8.459	.6931	1.214	1.963	1.076	.1523

Method: STD_MTD Sample Name: 022726X 100 Operator: NR1
Run Time: 05/08/02 19:18:49
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	143.2	.3514	.6174	1.879	.51063	.5014	78.08
SDev	.4	.0180	.0132	.007	.00163	.0008	.30
%RSD	.3044	5.124	2.130	.3557	.31916	.1632	.3865
#1	143.2	.3701	.6092	1.878	.51070	.5023	78.05
#2	142.8	.3501	.6326	1.873	.50897	.5012	77.79
#3	143.7	.3341	.6106	1.886	.51222	.5008	78.39

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.214	1.091	2.174	229.2	3.821	51.34	5.452
SDev	.006	.006	.006	.7	.008	.18	.022
%RSD	.4974	.5882	.2963	.3191	.2016	.3443	.4003
#1	1.215	1.091	2.172	228.6	3.813	51.34	5.451
#2	1.207	1.085	2.169	228.9	3.821	51.16	5.431
#3	1.219	1.098	2.181	230.0	3.828	51.51	5.475

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0861	.6780	25.67	.4193	.5069	10.55	.9547
SDev	.0143	.0210	.33	.0060	.0042	.02	.0156
%RSD	16.61	3.100	1.299	1.436	.8303	.2084	1.638
#1	.0728	.6689	25.70	.4123	.5106	10.53	.9727
#2	.0844	.7020	25.32	.4230	.5023	10.55	.9464
#3	.1012	.6630	25.99	.4225	.5078	10.57	.9449

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7803	4.619	.9750	.4669	.4976	13.27	7.690
SDev	.0037	.012	.0033	.0212	.0038	.06	.060
%RSD	.4726	.2588	.3382	4.540	.7665	.4637	.7769
#1	.7791	4.613	.9779	.4469	.4954	13.27	7.758
#2	.7773	4.611	.9714	.4891	.5020	13.20	7.669
#3	.7844	4.633	.9757	.4648	.4954	13.33	7.644

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.481	.6913	1.228	1.930	1.080	.1624
SDev	.009	.0026	.007	.005	.003	.0012
%RSD	.1021	.3817	.5424	.2649	.3154	.7330
#1	8.471	.6916	1.236	1.929	1.080	.1617
#2	8.485	.6886	1.224	1.926	1.076	.1617
#3	8.488	.6938	1.226	1.936	1.083	.1638

Method: STD_MTD Sample Name: 022727 100 Operator: NR1
Run Time: 05/08/02 19:24:46
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	124.2	.0319	.1251	.9219	.00615	L-.0011	580.0
SDev	1.4	.0197	.0311	.0104	.00010	.0018	5.3
%RSD	1.096	61.66	24.88	1.133	1.6263	157.8	.9060
#1	123.7	.0186	.1610	.9192	.00609	L-.0022	577.5
#2	123.1	.0546	.1053	.9130	.00609	L-.0021	576.5
#3	125.7	.0226	.1090	.9334	.00626	.0009	586.1

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1985	.1030	.7863	262.8	.8675	180.2	5.055
SDev	.0037	.0015	.0094	2.6	.0049	2.1	.053
%RSD	1.877	1.482	1.193	1.003	.5631	1.167	1.058
#1	.1971	.1040	.7829	260.0	.8631	179.4	5.033
#2	.1958	.1037	.7791	263.1	.8668	178.6	5.016
#3	.2028	.1012	.7969	265.2	.8727	182.6	5.116

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0061	.2635	17.65	L-.0739	L-.0002	1.005	L-.0273
SDev	.0054	.0089	.28	.0233	.0034	.004	.0310
%RSD	88.62	3.386	1.582	31.49	1753.	.4352	113.4
#1	L-.0050	.2541	17.33	L-.0503	L-.0014	1.000	L-.0403
#2	L-.0120	.2718	17.81	L-.0968	.0036	1.009	.0081
#3	L-.0013	.2647	17.82	L-.0745	L-.0028	1.007	L-.0498

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2622	1.254	.0669	L-.0514	.0199	6.028	1.400
SDev	.0046	.016	.0043	.0152	.0019	.102	.052
%RSD	1.763	1.281	6.465	29.57	9.616	1.694	3.697
#1	.2608	1.249	.0712	L-.0612	.0177	6.058	1.347
#2	.2585	1.242	.0669	L-.0339	.0210	5.914	1.402
#3	.2674	1.273	.0625	L-.0592	.0211	6.112	1.450

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.900	.7672	.1064	1.702	.1237	.0673
SDev	.081	.0089	.0023	.017	.0013	.0041
%RSD	.9126	1.160	2.153	.9943	1.068	6.137
#1	8.900	.7649	.1038	1.697	.1230	.0630
#2	8.818	.7596	.1078	1.688	.1230	.0675
#3	8.981	.7770	.1077	1.721	.1252	.0713

Method: STD_MTD Sample Name: 022728 100 Operator: NR1
Run Time: 05/08/02 19:28:49
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	99.31	.0879	.1618	.9961	.00574	.0205	71.66
SDev	1.14	.0140	.0114	.0127	.00001	.0002	.90
%RSD	1.153	15.96	7.038	1.278	.19584	.9348	1.249
#1	98.36	.0865	.1496	.9859	.00575	.0207	70.96
#2	98.99	.0745	.1636	.9920	.00574	.0205	71.35
#3	100.6	.1025	.1722	1.010	.00572	.0203	72.67

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4320	.0695	4.558	223.2	10.63	33.92	3.571
SDev	.0048	.0032	.053	3.2	.13	.35	.044
%RSD	1.104	4.595	1.153	1.442	1.224	1.039	1.219
#1	.4278	.0660	4.513	220.9	10.53	33.65	3.535
#2	.4311	.0722	4.545	221.9	10.59	33.81	3.559
#3	.4372	.0704	4.616	226.9	10.78	34.32	3.619

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	.2397	10.19	L-.0709	.0121	.5986	L-.0185
SDev	.0065	.0038	.50	.0069	.0018	.0273	.0130
%RSD	202.4	1.585	4.934	9.792	15.21	4.567	70.36
#1	.0053	.2370	9.870	L-.0629	.0121	.5788	L-.0216
#2	L-.0041	.2440	10.77	L-.0753	.0139	.5873	L-.0297
#3	.0085	.2381	9.932	L-.0744	.0103	.6298	L-.0042

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2461	7.315	.0583	.0150	.0187	11.84	7.366
SDev	.0045	.087	.0022	.0509	.0005	.12	.113
%RSD	1.811	1.194	3.702	338.6	2.558	1.009	1.531
#1	.2427	7.239	.0561	L-.0367	.0190	11.76	7.268
#2	.2445	7.296	.0604	.0167	.0182	11.79	7.340
#3	.2511	7.410	.0583	.0650	.0190	11.98	7.489

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.660	.2399	1.418	1.167	.0773	.0353
SDev	.024	.0031	.025	.014	.0007	.0019
%RSD	.3671	1.306	1.738	1.169	.8490	5.373
#1	6.658	.2374	1.394	1.156	.0766	.0374
#2	6.637	.2389	1.416	1.162	.0777	.0345
#3	6.686	.2434	1.443	1.182	.0777	.0339

Method: STD_MTD Sample Name: 022729 100 Operator: NR1
Run Time: 05/08/02 19:32:53
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	94.92	.0719	.1423	.9166	.00538	.0167	65.48
SDev	1.13	.0161	.0107	.0114	.00018	.0004	.58
%RSD	1.187	22.45	7.526	1.238	3.3982	2.598	.8906
#1	95.22	.0905	.1343	.9187	.00520	.0171	65.45
#2	93.67	.0626	.1380	.9044	.00538	.0162	64.91
#3	95.86	.0626	.1544	.9268	.00556	.0168	66.07

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3559	.0628	3.583	212.8	8.373	31.74	3.438
SDev	.0035	.0026	.044	2.4	.034	.31	.035
%RSD	.9934	4.163	1.229	1.147	.4118	.9836	1.022
#1	.3539	.0603	3.598	210.0	8.360	31.80	3.443
#2	.3537	.0627	3.534	213.6	8.347	31.40	3.401
#3	.3599	.0655	3.618	214.7	8.412	32.01	3.471

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0023	.2011	9.550	L-.0573	.0089	.5522	.0092
SDev	.0042	.0065	.333	.0183	.0020	.0057	.0121
%RSD	180.2	3.237	3.484	31.96	22.51	1.029	131.6
#1	L-.0055	.2086	9.606	L-.0779	.0075	.5558	.0214
#2	.0025	.1968	9.850	L-.0427	.0112	.5551	L-.0028
#3	L-.0041	.1980	9.192	L-.0514	.0080	.5456	.0089

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2351	5.899	.0504	L-.0018	.0192	10.69	6.949
SDev	.0040	.055	.0012	.0302	.0053	.14	.060
%RSD	1.698	.9297	2.472	1704.	27.28	1.265	.8640
#1	.2317	5.909	.0496	.0237	.0132	10.73	6.939
#2	.2342	5.839	.0496	L-.0352	.0223	10.54	6.894
#3	.2395	5.948	.0518	.0062	.0223	10.80	7.013

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.986	.2171	1.096	1.092	.0735	.0324
SDev	.062	.0027	.027	.011	.0007	.0028
%RSD	.8847	1.249	2.488	1.050	.8912	8.767
#1	7.054	.2178	1.107	1.097	.0743	.0292
#2	6.933	.2141	1.065	1.079	.0731	.0345
#3	6.970	.2193	1.116	1.100	.0731	.0336

Method: STD_MTD Sample Name: 022730 100 Operator: NR1
Run Time: 05/08/02 19:36:57
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	125.8	.0426	.1115	.9249	.00598	L-.0008	34.36
SDev	1.1	.0106	.0055	.0093	.00000	.0016	.18
%RSD	.8393	24.80	4.961	1.010	.05985	207.0	.5104
#1	127.0	.0506	.1054	.9351	.00598	L-.0002	34.56
#2	124.9	.0466	.1161	.9167	.00598	.0004	34.23
#3	125.5	.0306	.1130	.9228	.00598	L-.0026	34.29

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1603	.0968	.3700	283.7	.4705	30.02	6.356
SDev	.0015	.0053	.0014	3.1	.0149	.21	.047
%RSD	.9466	5.430	.3821	1.078	3.156	.7020	.7336
#1	.1601	.0912	.3716	281.7	.4588	30.26	6.409
#2	.1588	.1016	.3694	287.2	.4656	29.86	6.321
#3	.1618	.0974	.3690	282.2	.4872	29.93	6.338

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0117	.1361	10.90	L-.0810	.0010	.4943	L-.0175
SDev	.0117	.0100	.39	.0288	.0056	.0248	.0269
%RSD	100.5	7.385	3.533	35.48	537.9	5.009	153.8
#1	L-.0182	.1247	10.87	L-.0520	L-.0039	.4800	.0119
#2	.0019	.1436	11.30	L-.0816	.0072	.5229	L-.0235
#3	L-.0187	.1400	10.54	L-.1095	L-.0002	.4801	L-.0408

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3028	.7628	.0272	L-.0448	.0176	3.713	1.734
SDev	.0014	.0053	.0013	.0370	.0055	.042	.032
%RSD	.4688	.7016	4.589	82.55	31.30	1.121	1.861
#1	.3039	.7688	.0280	L-.0788	.0223	3.760	1.768
#2	.3012	.7588	.0279	L-.0503	.0190	3.698	1.704
#3	.3033	.7606	.0258	L-.0054	.0115	3.681	1.729

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.710	.2123	.0220	.9358	.0704	.0361
SDev	.074	.0020	.0153	.0116	.0013	.0021
%RSD	.8462	.9364	69.43	1.242	1.860	5.897
#1	8.791	.2145	.0296	.9461	.0697	.0348
#2	8.691	.2108	.0319	.9232	.0719	.0386
#3	8.647	.2115	.0044	.9380	.0697	.0351

Method: STD_MTD Sample Name: 022731 100 Operator: NR1
Run Time: 05/08/02 19:41:01
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	94.26	.0532	.1267	.7406	.00495	.0087	68.58
SDev	1.23	.0323	.0084	.0096	.00011	.0001	.75
%RSD	1.306	60.62	6.669	1.301	2.1476	1.707	1.087
#1	93.38	.0346	.1229	.7331	.00483	.0087	68.04
#2	93.74	.0905	.1209	.7372	.00501	.0088	68.27
#3	95.67	.0346	.1364	.7515	.00501	.0085	69.43

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2982	.0684	2.376	208.6	6.740	33.01	3.472
SDev	.0033	.0011	.030	3.5	.052	.38	.042
%RSD	1.117	1.661	1.244	1.655	.7786	1.146	1.197
#1	.2953	.0690	2.353	205.4	6.694	32.75	3.441
#2	.2974	.0691	2.365	208.1	6.729	32.84	3.455
#3	.3018	.0671	2.409	212.3	6.798	33.44	3.519

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0056	.1980	10.49	L-.0502	.0078	.4856	.0122
SDev	.0064	.0155	.39	.0429	.0032	.0396	.0181
%RSD	114.9	7.807	3.762	85.43	41.30	8.148	149.0
#1	L-.0017	.1802	10.16	L-.0237	.0112	.5130	.0007
#2	.0104	.2050	10.93	L-.0273	.0075	.5034	.0028
#3	.0081	.2086	10.37	L-.0997	.0048	.4402	.0330

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2279	4.815	.0590	L-.0171	.0190	8.681	7.481
SDev	.0022	.057	.0033	.0113	.0025	.121	.097
%RSD	.9667	1.184	5.597	66.34	13.09	1.400	1.290
#1	.2256	4.774	.0626	L-.0178	.0165	8.621	7.389
#2	.2281	4.791	.0583	L-.0054	.0190	8.602	7.472
#3	.2300	4.880	.0561	L-.0280	.0215	8.821	7.581

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.658	.1891	.7532	1.029	.0644	.0276
SDev	.087	.0022	.0263	.012	.0007	.0018
%RSD	1.306	1.150	3.490	1.206	1.019	6.523
#1	6.638	.1878	.7368	1.020	.0641	.0280
#2	6.583	.1878	.7393	1.023	.0641	.0256
#3	6.753	.1916	.7835	1.043	.0652	.0292

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/08/02 19:47:34
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.106	.0453	1.025	2.067	1.0351	1.020	21.36
SDev	.012	.0151	.008	.009	.0043	.011	.10
%RSD	.2923	33.41	.7919	.4474	.41357	1.097	.4769
#1	4.094	.0626	1.016	2.057	1.0302	1.009	21.24
#2	4.118	.0346	1.029	2.076	1.0373	1.021	21.42
#3	4.107	.0386	1.031	2.069	1.0379	1.031	21.41

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.080	2.135	2.052	4.184	2.102	20.30	2.082
SDev	.009	.009	.009	.022	.021	.09	.010
%RSD	.4118	.4385	.4318	.5339	1.006	.4449	.4801
#1	2.070	2.124	2.043	4.158	2.121	20.19	2.071
#2	2.087	2.143	2.060	4.199	2.105	20.35	2.088
#3	2.083	2.137	2.055	4.195	2.079	20.35	2.088

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3472	1.064	20.74	1.071	1.042	20.54	2.125
SDev	.0090	.014	.75	.043	.006	.16	.009
%RSD	2.581	1.281	3.617	4.001	.5480	.7988	.4282
#1	.3457	1.054	21.02	1.030	1.035	20.36	2.134
#2	.3569	1.080	21.30	1.069	1.045	20.67	2.125
#3	.3392	1.059	19.89	Q1.115	1.045	20.58	2.116

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.042	4.104	2.081	1.068	.0028	10.42	-.0218
SDev	.005	.018	.008	.019	.0005	.09	.0280
%RSD	.5059	.4297	.3739	1.744	17.07	.8979	128.3
#1	1.037	4.083	2.073	1.076	.0033	10.32	-.0476
#2	1.048	4.115	2.088	1.080	.0025	10.42	-.0260
#3	1.042	4.113	2.083	1.046	.0025	10.51	.0080

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0166	1.027	.0007	.0022	2.055	-.0048
SDev	.0041	.006	.0127	.0009	.009	.0014
%RSD	24.50	.5584	1921.	43.30	.4430	28.28
#1	.0205	1.021	-.0094	.0027	2.045	-.0056
#2	.0124	1.032	.0150	.0011	2.064	-.0032
#3	.0170	1.028	-.0036	.0027	2.056	-.0056

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/08/02 19:51:35
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	.9904	-.0044	-.0007	-.00019	-.0019	-.0152
SDev	.0199	.0420	.0043	.0000	.00001	.0017	.0044
%RSD	41.48	4.235	98.08	.0019	2.7294	87.81	28.85
#1	.0540	.9491	-.0087	-.0007	-.00019	-.0013	-.0203
#2	.0644	1.033	-.0001	-.0007	-.00019	-.0038	-.0127
#3	.0258	.9891	-.0043	-.0007	-.00020	-.0006	-.0127

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	.0041	.0021	21.24	.0126	2.098	-.0002
SDev	.0003	.0013	.0022	.16	.0071	.015	.0001
%RSD	20.67	31.88	105.1	.7341	56.51	.6963	52.93
#1	-.0018	.0041	-.0004	21.14	.0062	2.091	-.0001
#2	-.0018	.0054	.0035	21.42	.0113	2.114	-.0003
#3	-.0012	.0028	.0031	21.15	.0203	2.087	-.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-.0010	.2268	-.0008	.0191	-.0030	-.1019
SDev	.0059	.0069	.1192	.0171	.0030	.0270	.0282
%RSD	318.4	703.1	52.58	2255.	15.63	887.9	27.72
#1	-.0087	-.0089	.1005	-.0092	.0190	.0205	-.1063
#2	.0020	.0041	.3375	-.0120	.0222	.0028	-.1277
#3	.0011	.0018	.2423	.0189	.0162	-.0324	-.0717

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0028	.0007	-.0483	1.042	.0081	2.067
SDev	.0022	.0005	.0013	.0261	.013	.0044	.005
%RSD	3512.	17.26	174.9	54.05	1.245	53.73	.2621
#1	-.0026	-.0031	.0022	-.0406	1.027	.0041	2.065
#2	.0009	-.0022	-.0000	-.0774	1.052	.0076	2.073
#3	.0015	-.0031	-.0000	-.0269	1.046	.0128	2.063

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.085	.0003	2.066	2.066	.0008	2.055
SDev	.009	.0000	.028	.014	.0007	.018
%RSD	.4176	.0176	1.361	.6648	86.61	.8932
#1	2.077	.0002	2.067	2.059	.0004	2.040
#2	2.094	.0003	2.094	2.082	.0015	2.075
#3	2.085	.0003	2.038	2.057	.0004	2.049

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/08/02 19:57:28
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0191	.0027	-.0081	-.0000	-.00001	.0001	.0050
SDev	.0104	.0160	.0044	.0012	.00000	.0012	.0058
%RSD	54.30	600.0	54.10	7808000.	24.745	956.5	114.9
#1	Q.0311	-.0133	-.0125	-.0007	-.00001	.0004	-.0013
#2	.0128	.0027	-.0080	-.0007	-.00001	-.0012	.0063
#3	.0134	.0186	-.0037	Q.0014	-.00001	.0011	.0101

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0015	.0017	.0012	.0089	.0003	.0001
SDev	.0025	.0012	.0021	.0017	.0135	.0001	.0003
%RSD	327.2	75.21	122.0	142.0	152.0	43.30	229.3
#1	-.0004	.0003	-.0004	.0020	.0037	.0002	.0002
#2	-.0009	.0017	.0018	-.0008	Q.0241	.0002	.0003
#3	.0036	.0026	.0038	.0024	-.0013	.0005	-.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-.0016	.2678	.0071	.0034	.0059	-.0159
SDev	.0010	.0038	.3820	.0063	.0024	.0284	.0124
%RSD	32.79	238.2	142.6	88.68	72.12	482.4	77.61
#1	-.0040	.0006	.3308	.0094	.0006	.0265	-.0154
#2	-.0022	-.0059	-.1418	-.0000	.0052	-.0265	-.0286
#3	-.0027	.0006	.6143	.0120	.0043	.0177	-.0039

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0012	-.0029	.0009	.0041	.0058	-.0175
SDev	.0007	.0005	.0066	.0343	.0019	.0191	.0200
%RSD	24.74	44.41	228.9	3751.	46.17	330.5	114.2
#1	.0023	.0009	-.0087	.0405	.0052	.0217	-.0299
#2	.0023	.0018	-.0043	-.0168	.0052	.0111	.0056
#3	.0035	.0009	.0043	-.0209	.0019	-.0154	-.0283

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	-.0003	.0070	.0016	.0000	.0012
SDev	.0029	.0004	.0057	.0009	.0007	.0011
%RSD	107.9	173.3	81.00	57.74	6475000.	90.14
#1	-.0004	-.0005	.0045	.0011	.0004	-.0000
#2	.0054	-.0005	.0135	.0011	.0004	.0015
#3	.0031	.0003	.0030	.0027	-.0008	.0021

Method: STD_MTD Sample Name: 022732 100 Operator: NR1
Run Time: 05/08/02 20:01:29
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.83	.0453	.1330	.7030	.00496	.0034	142.2
SDev	.90	.0140	.0063	.0085	.00011	.0059	1.3
%RSD	1.108	30.99	4.763	1.207	2.1789	171.1	.9466
#1	80.04	.0306	.1257	.6962	.00490	.0010	141.0
#2	81.81	.0466	.1357	.7125	.00508	.0101	143.7
#3	80.65	.0586	.1375	.7003	.00489	L-.0008	141.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1448	.0745	1.741	222.1	3.320	58.96	4.042
SDev	.0012	.0013	.020	3.5	.046	.62	.042
%RSD	.8530	1.703	1.122	1.588	1.383	1.047	1.036
#1	.1442	.0748	1.724	218.2	3.270	58.41	4.006
#2	.1463	.0755	1.762	225.1	3.361	59.63	4.088
#3	.1440	.0731	1.735	223.1	3.330	58.84	4.031

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0007	.2037	9.617	L-.0627	.0050	.5454	.0226
SDev	.0079	.0124	.531	.0142	.0021	.0130	.0197
%RSD	1090.	6.095	5.520	22.61	42.56	2.381	86.90
#1	.0054	.2033	9.844	L-.0471	.0038	.5349	.0171
#2	.0021	.2163	9.011	L-.0748	.0074	.5415	.0444
#3	L-.0096	.1915	9.997	L-.0661	.0037	.5599	.0063

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1992	2.303	.0374	L-.0326	.0210	5.747	2.816
SDev	.0016	.024	.0062	.0161	.0014	.064	.062
%RSD	.8160	1.053	16.70	49.39	6.860	1.108	2.197
#1	.1974	2.281	.0410	L-.0434	.0202	5.688	2.797
#2	.2007	2.329	.0410	L-.0141	.0227	5.814	2.885
#3	.1994	2.300	.0302	L-.0403	.0202	5.740	2.766

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.783	.2211	.2638	.7447	.0873	.0405
SDev	.078	.0027	.0020	.0071	.0013	.0043
%RSD	1.153	1.198	.7445	.9587	1.504	10.61
#1	6.751	.2186	.2652	.7365	.0858	.0454
#2	6.872	.2239	.2647	.7496	.0880	.0374
#3	6.726	.2208	.2616	.7480	.0880	.0386

Method: STD_MTD Sample Name: 022733 100 Operator: NR1
Run Time: 05/08/02 20:05:33
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	113.9	.0692	.1300	1.010	.00660	.0110	111.2
SDev	1.5	.0092	.0103	.014	.00010	.0026	1.2
%RSD	1.289	13.32	7.892	1.374	1.5664	24.05	1.067
#1	112.3	.0586	.1309	.9940	.00648	.0099	109.8
#2	115.1	.0745	.1397	1.020	.00666	.0090	111.9
#3	114.4	.0745	.1193	1.014	.00666	.0140	111.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2784	.0815	3.120	252.6	8.257	52.78	4.950
SDev	.0031	.0030	.041	2.4	.055	.68	.062
%RSD	1.117	3.670	1.325	.9509	.6689	1.282	1.248
#1	.2779	.0780	3.074	250.0	8.193	52.02	4.879
#2	.2756	.0827	3.153	253.0	8.283	53.32	4.992
#3	.2817	.0836	3.135	254.8	8.294	53.00	4.978

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.2691	17.51	L-.0819	.0064	.7548	.0044
SDev	.0099	.0045	.39	.0154	.0016	.0132	.0304
%RSD	668.1	1.663	2.199	18.82	24.88	1.744	696.1
#1	L-.0074	.2659	17.14	L-.0675	.0073	.7528	.0013
#2	.0122	.2742	17.48	L-.0981	.0046	.7427	.0362
#3	L-.0004	.2671	17.91	L-.0799	.0073	.7689	L-.0244

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2610	6.188	.0770	L-.0112	.0195	12.29	9.481
SDev	.0034	.072	.0025	.0122	.0033	.16	.246
%RSD	1.289	1.159	3.250	108.7	17.09	1.313	2.592
#1	.2574	6.106	.0799	L-.0067	.0201	12.11	9.206
#2	.2616	6.242	.0756	L-.0251	.0226	12.43	9.679
#3	.2640	6.214	.0756	L-.0020	.0160	12.32	9.558

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.286	.2841	1.021	1.348	.1137	.0403
SDev	.068	.0037	.025	.017	.0007	.0022
%RSD	.9303	1.307	2.494	1.284	.5783	5.492
#1	7.213	.2798	.9949	1.328	.1129	.0415
#2	7.297	.2866	1.023	1.359	.1141	.0377
#3	7.347	.2858	1.046	1.356	.1141	.0415

Method: STD_MTD Sample Name: 022734 100 Operator: NR1
Run Time: 05/08/02 20:09:37
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	105.0	.1211	.1896	1.306	.00793	.0141	86.95
SDev	2.0	.0310	.0029	.024	.00028	.0050	1.67
%RSD	1.885	25.61	1.556	1.840	3.5594	35.32	1.920
#1	102.9	.0865	.1867	1.279	.00763	.0105	85.14
#2	105.4	.1464	.1926	1.312	.00800	.0120	87.27
#3	106.7	.1305	.1894	1.326	.00818	.0197	88.43

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1741	.0821	13.00	269.5	11.54	31.21	4.349
SDev	.0015	.0038	.25	4.9	.21	.57	.083
%RSD	.8877	4.609	1.946	1.812	1.826	1.839	1.899
#1	.1725	.0786	12.73	266.2	11.31	30.59	4.260
#2	.1742	.0815	13.05	267.2	11.61	31.31	4.363
#3	.1756	.0861	13.23	275.1	11.71	31.73	4.423

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0021	.3153	12.10	L-.0682	.0046	1.198	.0127
SDev	.0024	.0076	.61	.0209	.0016	.013	.0046
%RSD	113.7	2.409	5.019	30.61	34.54	1.052	35.93
#1	L-.0041	.3067	12.80	L-.0503	.0065	1.202	.0100
#2	.0005	.3209	11.72	L-.0911	.0037	1.184	.0101
#3	L-.0027	.3185	11.79	L-.0630	.0037	1.208	.0179

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2662	8.280	.0691	.0644	.0179	8.307	7.489
SDev	.0047	.152	.0043	.0543	.0019	.179	.178
%RSD	1.771	1.832	6.259	84.39	10.67	2.160	2.374
#1	.2610	8.117	.0647	.0042	.0190	8.105	7.311
#2	.2675	8.309	.0734	.1099	.0157	8.367	7.490
#3	.2702	8.416	.0691	.0791	.0190	8.449	7.666

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.383	.4505	2.089	1.462	.0879	.0261
SDev	.128	.0088	.039	.029	.0020	.0015
%RSD	2.001	1.949	1.881	1.969	2.238	5.788
#1	6.248	.4410	2.045	1.430	.0868	.0245
#2	6.398	.4522	2.103	1.468	.0868	.0265
#3	6.502	.4583	2.120	1.487	.0902	.0274

Method: STD_MTD Sample Name: 022735 100 Operator: NR1
Run Time: 05/08/02 20:13:41
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	99.95	.0612	.0914	.8310	.00548	.0092	67.17
SDev	1.59	.0128	.0306	.0134	.00011	.0005	.94
%RSD	1.590	20.96	33.49	1.609	1.9464	5.022	1.398
#1	98.45	.0666	.0561	.8187	.00542	.0098	66.41
#2	99.80	.0466	.1074	.8289	.00542	.0090	66.89
#3	101.6	.0706	.1108	.8452	.00560	.0090	68.22

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1972	.0579	2.620	203.1	6.030	31.30	3.026
SDev	.0024	.0027	.042	1.0	.071	.43	.043
%RSD	1.214	4.667	1.588	.5049	1.173	1.382	1.429
#1	.1953	.0570	2.580	202.9	5.977	30.93	2.988
#2	.1964	.0559	2.617	204.2	6.002	31.21	3.016
#3	.1999	.0610	2.663	202.2	6.110	31.78	3.073

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.2115	12.23	L-.0560	.0063	.9545	.0143
SDev	.0005	.0108	.36	.0150	.0023	.0306	.0282
%RSD	74.16	5.120	2.929	26.80	36.44	3.204	196.2
#1	.0011	.2021	11.86	L-.0575	.0085	.9724	L-.0148
#2	.0006	.2092	12.57	L-.0701	.0039	.9719	.0414
#3	.0002	.2234	12.28	L-.0403	.0067	.9192	.0164

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2210	4.704	.0569	.0085	.0187	11.21	7.673
SDev	.0020	.064	.0062	.0277	.0037	.15	.200
%RSD	.9232	1.351	10.98	327.2	19.98	1.344	2.606
#1	.2190	4.646	.0496	.0391	.0148	11.08	7.502
#2	.2209	4.693	.0605	.0012	.0190	11.19	7.623
#3	.2231	4.772	.0605	L-.0149	.0223	11.37	7.893

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.705	.2496	.8902	1.022	.0928	.0359
SDev	.079	.0039	.0080	.016	.0017	.0009
%RSD	1.173	1.547	.8974	1.540	1.869	2.459
#1	6.621	.2464	.8833	1.005	.0924	.0368
#2	6.717	.2486	.8884	1.025	.0913	.0351
#3	6.778	.2539	.8990	1.036	.0947	.0359

Method: STD_MTD Sample Name: 022736 100 Operator: NR1
Run Time: 05/08/02 20:17:44
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	153.9	.0466	.1087	1.325	.00808	.0065	52.42
SDev	.9	.0144	.0396	.008	.00000	.0027	.41
%RSD	.5922	30.90	36.48	.6405	.04767	40.81	.7760
#1	153.2	.0306	.0798	1.318	.00809	.0096	52.01
#2	153.5	.0586	.1539	1.322	.00808	.0053	52.41
#3	154.9	.0506	.0924	1.335	.00808	.0047	52.83

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2037	.1001	1.144	289.2	1.444	48.49	5.912
SDev	.0024	.0025	.006	2.7	.028	1.60	.042
%RSD	1.161	2.475	.5557	.9479	1.950	3.299	.7026
#1	.2010	.0981	1.138	286.4	1.418	47.46	5.876
#2	.2048	.0995	1.144	289.3	1.441	47.67	5.903
#3	.2053	.1029	1.151	291.9	1.474	50.33	5.958

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0027	.2846	15.05	L-.0916	.0025	1.794	L-.0121
SDev	.0055	.0018	.79	.0290	.0029	.035	.0251
%RSD	208.1	.6343	5.239	31.69	119.2	1.951	207.0
#1	L-.0056	.2842	14.26	L-.0591	.0003	1.789	L-.0322
#2	.0037	.2830	15.07	L-.1149	.0012	1.762	L-.0202
#3	L-.0061	.2866	15.83	L-.1008	.0058	1.832	.0160

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3085	1.824	.0460	L-.0560	.0181	5.954	3.497
SDev	.0015	.013	.0025	.0489	.0031	.068	.013
%RSD	.4955	.6906	5.441	87.41	17.20	1.148	.3742
#1	.3070	1.816	.0474	L-.0621	.0167	5.875	3.485
#2	.3101	1.817	.0474	L-.1015	.0217	5.992	3.497
#3	.3084	1.838	.0431	L-.0043	.0159	5.996	3.511

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.951	.2757	.1718	1.257	.1548	.0494
SDev	.041	.0011	.0113	.008	.0000	.0014
%RSD	.5161	.4173	6.584	.5973	.0005	2.755
#1	7.926	.2747	.1587	1.250	.1548	.0486
#2	7.928	.2755	.1786	1.255	.1548	.0486
#3	7.998	.2770	.1781	1.265	.1548	.0510

Method: STD_MTD Sample Name: 022737 100 Operator: NR1
Run Time: 05/08/02 20:21:48
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	84.12	.0120	.0844	.5996	.00447	.0047	168.7
SDev	.42	.0289	.0831	.0047	.00010	.0047	.6
%RSD	.4939	241.1	98.51	.7850	2.2885	100.3	.3485
#1	84.23	L-.0213	.0518	.6023	.00452	.0025	169.1
#2	84.47	.0306	.0225	.6023	.00435	.0014	168.8
#3	83.66	.0266	.1788	.5942	.00453	.0100	168.0

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1153	.0539	.2533	156.8	.3935	86.85	3.707
SDev	.0029	.0040	.0029	7.1	.0377	.57	.016
%RSD	2.528	7.365	1.148	4.516	9.567	.6606	.4313
#1	.1170	.0556	.2552	161.0	.3539	86.97	3.714
#2	.1119	.0493	.2500	160.8	.3979	87.35	3.718
#3	.1169	.0567	.2549	148.6	.4288	86.23	3.689

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0035	.1150	9.522	L-.0446	.0195	.6128	.0160
SDev	.0104	.0030	.926	.0252	.0311	.1142	.0222
%RSD	297.7	2.636	9.729	56.41	159.8	18.63	138.6
#1	L-.0002	.1117	9.847	L-.0157	L-.0003	.5469	.0095
#2	L-.0152	.1158	8.477	L-.0570	.0034	.5469	.0407
#3	.0049	.1176	10.24	L-.0612	~~.0553~~	~~.7447~~	L-.0022

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1891	.9453	.0453	.0097	.0109	7.096	4.980
SDev	.0037	.0014	.0022	.1041	.0019	.031	.039
%RSD	1.941	.1506	4.773	1072.	17.51	.4339	.7784
#1	.1921	.9436	.0475	L-.0310	.0131	7.065	4.948
#2	.1850	.9463	.0453	L-.0678	.0098	7.094	4.970
#3	.1904	.9458	.0432	.1280	.0098	7.127	5.023

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.289	.2844	.0513	.9740	.0885	.0357
SDev	.019	.0022	.0328	.0082	.0047	.0016
%RSD	.3033	.7639	63.92	.8408	5.339	4.539
#1	6.282	.2857	.0339	.9822	.0870	.0365
#2	6.311	.2857	.0309	.9740	.0847	.0339
#3	6.275	.2819	.0891	.9658	.0938	.0368

Method: STD_MTD Sample Name: 022738 100 Operator: NR1
Run Time: 05/08/02 20:25:52
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	118.7	.1118	.1796	1.314	.00692	.0109	103.7
SDev	2.0	.0083	.0149	.024	.00010	.0012	1.3
%RSD	1.655	7.435	8.302	1.829	1.3979	10.83	1.259
#1	120.8	.1185	.1962	1.341	.00703	.0114	105.2
#2	117.0	.1025	.1754	1.294	.00686	.0118	102.7
#3	118.2	.1145	.1672	1.308	.00686	.0096	103.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1640	.1326	5.525	336.6	6.863	57.72	11.68
SDev	.0022	.0028	.098	4.0	.069	.92	.18
%RSD	1.327	2.103	1.776	1.179	1.000	1.592	1.500
#1	.1664	.1357	5.633	341.1	6.941	58.74	11.87
#2	.1633	.1316	5.443	334.8	6.836	56.96	11.53
#3	.1622	.1304	5.497	333.7	6.812	57.47	11.63

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0044	.2220	12.07	L-.1308	.0055	.6692	.0115
SDev	.0065	.0053	.09	.0066	.0045	.0096	.0312
%RSD	146.4	2.401	.7055	5.065	82.15	1.439	271.4
#1	L-.0099	.2275	11.98	L-.1297	.0005	.6735	.0002
#2	.0027	.2169	12.06	L-.1247	.0093	.6582	L-.0125
#3	L-.0061	.2216	12.15	L-.1378	.0065	.6759	.0467

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3373	5.518	.0423	L-.0125	.0271	6.441	2.535
SDev	.0058	.074	.0033	.0905	.0038	.077	.110
%RSD	1.707	1.341	7.798	725.7	14.14	1.196	4.338
#1	.3439	5.600	.0452	L-.1133	.0293	6.524	2.633
#2	.3337	5.456	.0430	.0617	.0227	6.372	2.555
#3	.3342	5.498	.0387	.0142	.0293	6.427	2.416

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.973	.3155	.9702	1.247	.0804	.0349
SDev	.096	.0057	.0249	.025	.0017	.0017
%RSD	1.205	1.821	2.565	1.988	2.159	4.952
#1	8.080	.3218	.9893	1.275	.0823	.0342
#2	7.894	.3105	.9421	1.227	.0789	.0368
#3	7.944	.3143	.9792	1.239	.0800	.0336

Method: STD_MTD Sample Name: 022739 100 Operator: NR1
Run Time: 05/08/02 20:29:56
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	94.46	.1744	.1745	1.110	.00706	.0316	74.76
SDev	.31	.0200	.0083	.004	.00000	.0017	.31
%RSD	.3278	11.45	4.748	.3672	.02143	5.434	.4088
#1	94.15	.1944	.1682	1.106	.00706	.0296	74.53
#2	94.47	.1544	.1839	1.110	.00706	.0325	74.64
#3	94.77	.1744	.1714	1.114	.00706	.0326	75.10

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2073	.0733	16.74	247.8	21.19	26.09	5.317
SDev	.0028	.0022	.06	1.4	.09	.07	.018
%RSD	1.354	3.017	.3424	.5565	.4109	.2625	.3338
#1	.2047	.0713	16.68	247.3	21.13	26.04	5.302
#2	.2070	.0757	16.73	246.7	21.14	26.07	5.313
#3	.2103	.0728	16.80	249.3	21.29	26.17	5.337

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0072	.3967	12.01	L-.0768	.0137	.8317	L-.0248
SDev	.0080	.0088	.39	.0300	.0016	.0188	.0233
%RSD	110.6	2.211	3.288	39.14	11.62	2.255	94.06
#1	L-.0125	.3989	12.33	L-.0730	.0146	.8466	L-.0468
#2	L-.0111	.4042	11.57	L-.0488	.0146	.8379	L-.0272
#3	.0020	.3870	12.14	L-.1085	.0119	.8107	L-.0004

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2567	13.57	.0756	.0436	.0318	9.980	11.61
SDev	.0006	.05	.0057	.0364	.0029	.052	.02
%RSD	.2337	.3477	7.567	83.38	9.115	.5204	.1516
#1	.2573	13.53	.0691	.0385	.0288	9.959	11.60
#2	.2561	13.56	.0799	.0822	.0346	9.943	11.59
#3	.2568	13.62	.0777	.0101	.0321	10.04	11.63

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.235	.4901	3.762	1.446	.0641	.0154
SDev	.026	.0019	.018	.005	.0000	.0012
%RSD	.4136	.3859	.4655	.3461	.0010	7.723
#1	6.220	.4881	3.742	1.442	.0641	.0156
#2	6.220	.4904	3.769	1.445	.0641	.0141
#3	6.265	.4919	3.774	1.451	.0641	.0165

Method: STD_MTD Sample Name: 022740 100 Operator: NR1
Run Time: 05/08/02 20:34:00
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.2	.1478	.1620	1.068	.00695	.0285	78.25
SDev	1.2	.0115	.0019	.014	.00011	.0012	.64
%RSD	1.103	7.802	1.181	1.299	1.5410	4.140	.8166
#1	106.7	.1544	.1612	1.063	.00682	.0296	77.92
#2	108.6	.1345	.1642	1.084	.00700	.0288	78.99
#3	106.4	.1544	.1607	1.057	.00701	.0273	77.85

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2261	.0721	12.35	261.1	17.49	30.96	5.420
SDev	.0020	.0017	.15	.2	.11	.30	.054
%RSD	.8802	2.402	1.251	.0681	.6349	.9579	.9956
#1	.2241	.0711	12.28	261.1	17.44	30.83	5.396
#2	.2280	.0741	12.53	260.9	17.62	31.30	5.482
#3	.2263	.0711	12.24	261.3	17.42	30.75	5.382

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0045	.3705	13.77	L-.0810	.0110	.7320	L-.0223
SDev	.0101	.0168	.29	.0082	.0037	.0205	.0229
%RSD	227.6	4.542	2.070	10.07	33.58	2.803	102.7
#1	L-.0027	.3740	13.50	L-.0733	.0146	.7439	L-.0486
#2	.0047	.3853	13.74	L-.0895	.0073	.7083	L-.0108
#3	L-.0153	.3522	14.07	L-.0800	.0110	.7438	L-.0074

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2756	11.94	.0842	.0150	.0294	10.58	11.32
SDev	.0024	.12	.0057	.0194	.0005	.08	.11
%RSD	.8832	1.015	6.790	129.9	1.605	.7181	.9962
#1	.2737	11.88	.0799	L-.0020	.0297	10.56	11.23
#2	.2784	12.08	.0907	.0107	.0289	10.66	11.45
#3	.2749	11.86	.0821	.0362	.0297	10.52	11.28

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.460	.4539	3.110	1.418	.0698	.0187
SDev	.065	.0058	.040	.015	.0011	.0016
%RSD	1.003	1.286	1.284	1.081	1.628	8.696
#1	6.427	.4521	3.074	1.412	.0686	.0186
#2	6.534	.4604	3.153	1.436	.0709	.0171
#3	6.418	.4491	3.103	1.407	.0698	.0203

Method: STD_MTD Sample Name: 022741 100 Operator: NR1
Run Time: 05/08/02 20:38:03
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	145.9	.0466	.1125	.9589	.00660	L-.0004	29.35
SDev	2.2	.0301	.0138	.0158	.00011	.0056	.38
%RSD	1.519	64.71	12.24	1.652	1.6297	1545.	1.285
#1	147.7	.0785	.0986	.9718	.00653	.0061	29.69
#2	146.6	.0426	.1262	.9636	.00672	L-.0037	29.43
#3	143.4	.0186	.1128	.9412	.00655	L-.0035	28.94

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1921	.0964	.6707	294.6	1.160	35.75	7.186
SDev	.0006	.0017	.0079	2.7	.015	.49	.102
%RSD	.3186	1.754	1.173	.9045	1.267	1.359	1.423
#1	.1924	.0971	.6753	297.5	1.176	36.16	7.272
#2	.1926	.0976	.6753	292.3	1.158	35.88	7.212
#3	.1914	.0944	.6616	294.0	1.147	35.22	7.073

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.1861	11.69	L-.1032	.0057	.4708	.0228
SDev	.0024	.0066	.10	.0186	.0020	.0143	.0132
%RSD	798.9	3.535	.8778	18.06	35.37	3.044	57.92
#1	L-.0019	.1932	11.58	L-.0861	.0034	.4551	.0375
#2	.0028	.1850	11.75	L-.1231	.0066	.4743	.0186
#3	L-.0000	.1802	11.76	L-.1005	.0071	.4831	.0122

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3113	1.412	.0352	L-.0788	.0196	5.571	2.687
SDev	.0039	.022	.0025	.0433	.0029	.083	.083
%RSD	1.264	1.550	7.094	54.87	14.84	1.483	3.106
#1	.3139	1.429	.0366	L-.0370	.0199	5.606	2.732
#2	.3131	1.419	.0366	L-.1233	.0224	5.630	2.737
#3	.3067	1.387	.0323	L-.0762	.0166	5.477	2.590

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.025	.2535	.1354	1.090	.0602	.0420
SDev	.144	.0047	.0063	.016	.0013	.0019
%RSD	1.790	1.851	4.654	1.513	2.178	4.561
#1	8.162	.2573	.1423	1.105	.0617	.0401
#2	8.036	.2550	.1300	1.092	.0594	.0421
#3	7.876	.2482	.1338	1.072	.0594	.0439

Method: STD_MTD Sample Name: 022742 100 Operator: NR1
Run Time: 05/08/02 20:42:07
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	108.4	.0812	.1293	.8662	.00610	.0176	103.5
SDev	.6	.0046	.0261	.0051	.00001	.0006	.6
%RSD	.5860	5.679	20.20	.5922	.11139	3.542	.5341
#1	108.2	.0785	.1324	.8655	.00609	.0170	103.6
#2	109.1	.0865	.1537	.8716	.00610	.0183	104.0
#3	107.9	.0785	.1018	.8615	.00610	.0175	102.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1937	.0738	4.434	234.5	8.010	43.44	4.132
SDev	.0010	.0017	.024	.3	.072	.22	.024
%RSD	.5049	2.355	.5311	.1480	.9039	.5120	.5723
#1	.1948	.0757	4.430	234.6	8.044	43.42	4.131
#2	.1931	.0731	4.459	234.8	8.059	43.67	4.156
#3	.1932	.0725	4.412	234.1	7.927	43.23	4.109

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0021	.2366	12.86	L-.0863	.0096	.5583	.0070
SDev	.0011	.0159	.31	.0169	.0021	.0133	.0085
%RSD	51.52	6.704	2.443	19.57	21.64	2.384	120.6
#1	L-.0008	.2488	13.13	L-.0752	.0116	.5553	.0093
#2	L-.0027	.2423	12.51	L-.0780	.0074	.5728	.0142
#3	L-.0027	.2186	12.93	L-.1058	.0097	.5467	L-.0023

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2561	6.025	.0950	L-.0154	.0227	9.441	11.01
SDev	.0027	.033	.0022	.0186	.0005	.072	.04
%RSD	1.052	.5423	2.278	121.2	2.086	.7588	.3919
#1	.2591	6.014	.0929	L-.0040	.0224	9.433	11.05
#2	.2556	6.061	.0972	L-.0052	.0224	9.516	11.03
#3	.2538	5.999	.0950	L-.0369	.0233	9.374	10.96

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.250	.4339	1.166	1.264	.0868	.0276
SDev	.050	.0026	.020	.007	.0000	.0003
%RSD	.7956	.6088	1.717	.5184	.0013	1.233
#1	6.254	.4336	1.155	1.264	.0868	.0280
#2	6.297	.4366	1.189	1.270	.0868	.0274
#3	6.198	.4314	1.155	1.257	.0868	.0274

Method: STD_MTD Sample Name: DC022742 500 Operator: NR1
Run Time: 05/08/02 20:46:11
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.90	.0226	.0384	.1746	.00122	.0010	21.34
SDev	.48	.0106	.0184	.0041	.00001	.0042	.42
%RSD	2.213	46.69	47.96	2.335	.54874	436.2	1.965
#1	21.84	.0266	.0257	.1746	.00122	L-.0012	21.24
#2	21.44	.0306	.0300	.1705	.00121	.0058	20.98
#3	22.41	.0106	.0595	.1787	.00122	L-.0017	21.80

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0390	.0155	.8962	44.96	1.675	9.269	.8487
SDev	.0023	.0014	.0208	.98	.035	.193	.0181
%RSD	5.841	9.139	2.316	2.181	2.100	2.080	2.135
#1	.0367	.0153	.8932	44.80	1.645	9.241	.8454
#2	.0413	.0171	.8770	44.08	1.666	9.091	.8324
#3	.0389	.0142	.9182	46.02	1.714	9.474	.8682

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0494	2.590	L-.0183	.0057	.1286	.0065
SDev	.0033	.0121	.147	.0194	.0023	.0182	.0169
%RSD	1616.	24.56	5.667	106.1	39.73	14.20	259.9
#1	.0005	.0355	2.621	L-.0405	.0046	.1080	L-.0056
#2	.0033	.0555	2.430	L-.0095	.0083	.1348	L-.0008
#3	L-.0032	.0573	2.719	L-.0048	.0042	.1429	.0259

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0529	1.236	.0166	.0054	.0048	1.934	2.247
SDev	.0027	.025	.0062	.0430	.0029	.052	.041
%RSD	5.000	2.034	37.72	788.4	60.13	2.677	1.808
#1	.0523	1.231	.0130	.0386	.0079	1.924	2.227
#2	.0558	1.213	.0129	.0208	.0021	1.888	2.220
#3	.0506	1.263	.0238	L-.0431	.0046	1.990	2.293

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.378	.0878	.2452	.2571	.0174	.0046
SDev	.032	.0019	.0007	.0057	.0000	.0014
%RSD	2.333	2.157	.2815	2.237	.0048	29.48
#1	1.392	.0875	.2459	.2566	.0174	.0038
#2	1.341	.0860	.2446	.2517	.0174	.0062
#3	1.401	.0898	.2449	.2632	.0174	.0038

Method: STD_MTD Sample Name: 023518 100 Operator: NR1
Run Time: 05/08/02 20:50:15
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5127	L-.0027	.0188	.2881	.00012	.0016	10.91
SDev	.0183	.0083	.0153	.0024	.00011	.0042	.06
%RSD	3.565	312.2	81.33	.8170	89.737	272.4	.5919
#1	.4942	L-.0053	.0052	.2868	L-.00000	.0064	10.84
#2	.5131	.0067	.0159	.2868	.00019	L-.0007	10.90
#3	.5308	L-.0093	.0353	.2908	.00019	L-.0010	10.97

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0134	.0001	.0025	.0930	.0103	.3701	.0022
SDev	.0029	.0011	.0030	.0021	.0104	.0014	.0004
%RSD	21.70	1031.	119.5	2.232	100.2	.3895	18.36
#1	.0102	L-.0003	L-.0001	.0948	.0015	.3692	.0017
#2	.0142	L-.0007	.0018	.0907	.0078	.3692	.0024
#3	.0159	.0013	.0057	.0934	.0217	.3717	.0024

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0039	.0065	L-.3167	.0303	.0049	.0617	L-.0011
SDev	.0056	.0029	.4391	.0328	.0030	.0088	.0250
%RSD	145.0	45.45	138.6	108.5	60.97	14.31	2186.
#1	L-.0059	.0095	L-.6159	L-.0014	.0047	.0529	L-.0055
#2	.0025	.0065	L-.5215	.0280	.0080	.0705	.0258
#3	L-.0083	.0035	.1874	.0642	.0020	.0617	L-.0237

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	.0183	.0029	.0056	.0052	.0433	7.695
SDev	.0007	.0005	.0013	.0032	.0000	.0039	.053
%RSD	31.43	2.817	43.24	56.50	.0040	9.012	.6924
#1	.0018	.0188	.0022	.0092	.0052	.0391	7.755
#2	.0018	.0180	.0022	.0038	.0052	.0468	7.655
#3	.0029	.0180	.0043	.0038	.0052	.0439	7.674

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0750	.1019	.0027	.0016	.0004	.0000
SDev	.0053	.0004	.0089	.0019	.0000	.0027
%RSD	7.086	.4257	336.2	115.5	.0323	.0000
#1	.0692	.1017	.0011	L-.0005	.0004	L-.0029
#2	.0762	.1017	L-.0054	.0027	.0004	.0006
#3	.0797	.1024	.0122	.0027	.0004	.0024

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/08/02 20:56:49
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.004	.0479	.9906	2.000	.99722	.9914	20.60
SDev	.023	.0023	.0163	.009	.00352	.0113	.07
%RSD	.5773	4.811	1.646	.4709	.35317	1.136	.3523
#1	3.979	.0466	.9929	1.994	.99601	.9851	20.57
#2	4.024	.0466	1.006	2.011	1.0012	1.004	20.68
#3	4.011	.0506	.9732	1.994	.99446	.9846	20.55

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.007	2.059	1.986	4.039	2.024	19.54	2.008
SDev	.006	.008	.007	.017	.008	.07	.007
%RSD	.2944	.3715	.3624	.4129	.4134	.3401	.3672
#1	2.003	2.051	1.979	4.024	2.031	19.49	2.003
#2	2.014	2.066	1.994	4.057	2.025	19.62	2.016
#3	2.005	2.060	1.985	4.037	2.015	19.52	2.005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3442	1.038	19.85	1.001	1.012	19.83	2.044
SDev	.0024	.005	.60	.012	.007	.05	.013
%RSD	.6849	.4520	3.014	1.242	.6982	.2284	.6457
#1	.3467	1.036	19.18	1.004	1.007	19.84	2.043
#2	.3420	1.034	20.31	1.011	1.020	19.87	2.057
#3	.3439	1.043	20.07	.9870	1.008	19.78	2.031

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.008	3.965	2.002	1.008	.0033	10.04	-.0030
SDev	.005	.015	.014	.030	.0036	.03	.0256
%RSD	.4736	.3853	.6854	2.999	108.7	.3273	844.4
#1	1.004	3.954	1.986	.9863	.0058	10.01	-.0145
#2	1.013	3.982	2.010	1.042	-.0008	10.08	-.0209
#3	1.006	3.957	2.010	.9945	.0050	10.04	.0263

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0151	.9922	.0043	.0027	1.988	-.0044
SDev	.0029	.0044	.0063	.0000	.009	.0010
%RSD	19.36	.4433	145.2	.0000	.4285	23.09
#1	.0147	.9905	.0024	.0027	1.983	-.0050
#2	.0182	.9973	-.0007	.0027	1.998	-.0050
#3	.0124	.9890	.0113	.0027	1.983	-.0032

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/08/02 21:00:49
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0476	.9651	-.0022	.0007	-.00020	.0004	-.0139
SDev	.0120	.0366	.0037	.0012	.00000	.0016	.0079
%RSD	25.14	3.792	170.0	173.2	1.2900	383.4	56.44
#1	.0382	.9332	.0000	-.0007	-.00020	.0009	-.0202
#2	.0611	.9571	-.0001	.0014	-.00020	.0017	-.0051
#3	.0435	1.005	-.0065	.0014	-.00019	-.0013	-.0165

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0035	.0036	20.37	.0100	2.008	.0001
SDev	.0023	.0026	.0029	.24	.0187	.021	.0002
%RSD	209.5	73.06	82.49	1.166	186.3	1.070	136.6
#1	-.0012	.0006	.0009	20.27	.0202	2.000	.0003
#2	.0034	.0052	.0067	20.19	.0214	1.991	-.0000
#3	.0011	.0048	.0031	20.64	-.0116	2.032	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	-.0002	-.3740	-.0049	.0188	.0002	-.1042
SDev	.0070	.0082	.7740	.0222	.0037	.0223	.0393
%RSD	408.3	4139.	206.9	449.5	19.59	14660.	37.69
#1	-.0017	-.0095	-1.225	-.0303	.0226	.0208	-.1360
#2	.0053	.0030	-.1854	.0112	.0185	.0031	-.0603
#3	-.0087	.0059	.2883	.0043	.0153	-.0235	-.1163

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.0027	-.0043	-.0429	1.002	.0114	1.976
SDev	.0010	.0005	.0022	.0368	.018	.0211	.031
%RSD	68.74	17.48	49.84	85.76	1.818	185.2	1.584
#1	.0020	-.0030	-.0065	-.0106	.9894	.0231	1.946
#2	.0020	-.0030	-.0022	-.0829	.9927	.0240	2.009
#3	.0003	-.0022	-.0043	-.0351	1.022	-.0130	1.973

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.019	.0003	1.985	1.984	.0004	1.974
SDev	.020	.0008	.034	.025	.0000	.025
%RSD	.9922	300.2	1.726	1.265	.0042	1.254
#1	2.002	.0002	1.959	1.973	.0004	1.960
#2	2.013	.0010	1.971	1.966	.0004	1.960
#3	2.041	-.0005	2.024	2.012	.0004	2.003

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/08/02 21:06:43
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0452	.0200	.0069	Q.0014	.00005	Q.0027	.0076
SDev	.0168	.0161	.0174	.0000	.00011	.0045	.0058
%RSD	37.10	80.83	251.1	.0013	194.23	163.8	76.79
#1	Q.0552	Q.0386	.0069	Q.0014	.00018	Q.0079	.0139
#2	.0259	.0106	Q.0244	Q.0014	-.00001	-.0001	.0063
#3	Q.0546	.0106	-.0104	Q.0014	-.00000	.0004	.0025

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0013	.0036	.0035	.0168	.0004	.0004
SDev	.0015	.0010	.0018	.0009	.0143	.0003	.0002
%RSD	79.40	74.85	50.07	27.15	84.59	69.28	49.50
#1	.0036	.0003	.0054	.0042	Q.0202	.0002	.0005
#2	.0008	.0013	.0035	.0038	.0012	.0002	.0002
#3	.0013	.0023	.0018	.0024	Q.0291	.0007	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0042	.0000	.0473	.0013	.0054	.0265	.0093
SDev	.0028	.0031	.4037	.0343	.0023	.0177	.0214
%RSD	66.95	8058e6	854.3	2586.	42.26	66.68	229.5
#1	-.0069	-.0012	.0945	-.0027	.0043	.0441	-.0038
#2	-.0045	.0035	-.3780	.0374	.0080	.0088	.0340
#3	-.0012	-.0024	.4253	-.0308	.0038	.0265	-.0022

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	-.0000	-.0014	.0309	.0028	-.0011	-.0136
SDev	.0021	.0009	.0013	.0098	.0022	.0157	.0217
%RSD	55.45	13610.	86.57	31.80	79.34	1398.	159.5
#1	Q.0059	.0009	-.0000	.0391	.0019	-.0058	-.0047
#2	.0035	-.0009	-.0022	.0337	.0052	.0164	.0022
#3	.0018	.0000	-.0022	.0200	.0011	-.0140	-.0384

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0081	.0003	.0103	.0022	.0000	.0028
SDev	.0055	.0008	.0093	.0009	.0007	.0012
%RSD	67.51	299.9	90.08	43.30	4315000.	43.07
#1	.0101	Q.0010	.0157	.0027	.0004	.0038
#2	.0124	-.0005	-.0004	.0027	-.0008	.0032
#3	.0019	.0003	.0157	.0011	.0004	.0015

Method: STD_MTD Sample Name: ICSA Operator: NR1
Run Time: 05/08/02 21:10:44
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	297.2	.0546	Q.0925	-.0001	.00037	-.0022	479.8
SDev	.2	.0301	.0503	.0000	.00000	.0009	.3
%RSD	.0812	55.24	54.39	1.143	.45295	43.51	.0636
#1	297.0	.0825	Q.0827	-.0001	.00037	-.0015	480.0
#2	297.5	.0226	.0478	-.0001	.00037	-.0018	479.9
#3	297.2	.0586	Q.1470	-.0001	.00037	-.0033	479.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0031	-.0033	.0016	199.7	-.0208	483.4	-.0074
SDev	.0012	.0016	.0020	.9	.0034	.4	.0002
%RSD	36.71	49.73	122.2	.4717	16.36	.0803	2.539
#1	-.0022	-.0052	-.0001	200.8	-.0246	483.0	-.0076
#2	-.0044	-.0027	.0012	199.1	-.0180	483.7	-.0073
#3	-.0028	-.0020	.0038	199.2	-.0199	483.6	-.0074

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0112	Q-.0059	.1146	-.0640	-.0042	-.1765	-.0136
SDev	.0027	.0012	.2163	.0235	.0016	.0182	.0568
%RSD	23.65	20.00	188.8	36.73	38.11	10.31	418.5
#1	-.0120	Q-.0071	.0691	-.0666	-.0033	-.1561	-.0633
#2	-.0134	Q-.0047	Q-.0753	-.0861	-.0060	-.1911	-.0258
#3	-.0083	Q-.0059	.3500	-.0393	-.0033	-.1822	.0484

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	.0051	-.0122	-.0379	.0153	.0276	.1096
SDev	.0007	.0014	.0033	.0201	.0033	.0205	.0179
%RSD	9.135	26.62	26.99	52.97	21.56	74.37	16.34
#1	.0069	.0053	-.0086	-.0147	.0186	.0119	.1288
#2	.0068	.0037	-.0151	-.0502	.0120	.0509	.0934
#3	.0080	.0063	-.0130	-.0489	.0153	.0201	.1067

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0485	.0113	.0071	.0076	Q-.0024	.0050
SDev	.0018	.0004	.0096	.0000	.0007	.0010
%RSD	3.651	3.841	135.8	.0000	26.78	20.38
#1	.0489	.0111	.0067	.0076	Q-.0032	.0044
#2	.0466	.0118	-.0024	.0076	Q-.0021	.0062
#3	.0501	.0110	.0168	.0076	Q-.0021	.0044

Method: STD_MTD Sample Name: ICSAB Operator: NR1
Run Time: 05/08/02 21:14:47
Comment: 0508 SSZ1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	290.8	.9345	.9952	.4804	.46259	.9529	468.6
SDev	.8	.0092	.0298	.0012	.00125	.0037	.8
%RSD	.2750	.9869	2.998	.2447	.27025	.3924	.1616
#1	290.3	.9452	.9710	.4791	.46253	.9486	468.0
#2	290.3	.9292	.9860	.4811	.46137	.9554	468.3
#3	291.7	.9292	1.029	.4811	.46387	.9547	469.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4584	.4612	.4961	199.2	.9337	474.2	.4497
SDev	.0013	.0009	.0007	1.9	.0092	1.4	.0012
%RSD	.2832	.1973	.1361	.9300	.9822	.2903	.2724
#1	.4569	.4602	.4968	198.4	.9322	473.4	.4486
#2	.4592	.4619	.4955	197.9	.9435	473.5	.4495
#3	.4591	.4616	.4959	201.3	.9254	475.8	.4510

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0154	.9021	.5252	.8903	.9730	-.1305	-.0386
SDev	.0061	.0168	.5973	.0418	.0016	.0211	.0230
%RSD	39.29	1.858	113.7	4.699	.1636	16.18	59.66
#1	-.0213	.8952	1.042	.9150	.9712	-.1184	-.0155
#2	-.0158	.8899	.6626	.9138	.9739	-.1182	-.0387
#3	-.0092	.9212	-.1288	.8420	.9739	-.1549	-.0616

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4755	.9568	.0122	-.0291	.0161	.0386	.0624
SDev	.0024	.0036	.0057	.0144	.0036	.0192	.0708
%RSD	.5060	.3749	46.87	49.58	22.20	49.82	113.4
#1	.4731	.9573	.0057	-.0324	.0178	.0568	.0220
#2	.4754	.9529	.0144	-.0133	.0186	.0184	.1441
#3	.4779	.9600	.0165	-.0415	.0120	.0407	.0211

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7588	.0159	.0034	.0076	-.0021	.0020
SDev	.0015	.0004	.0088	.0000	.0000	.0011
%RSD	.1924	2.671	260.7	.0000	.0725	56.79
#1	.7572	.0162	-.0052	.0076	-.0021	.0015
#2	.7590	.0162	.0030	.0076	-.0021	.0012
#3	.7601	.0155	.0124	.0076	-.0021	.0032

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022743	XCG-US	OSO2-16	Calcium	PV	2700.	2650.	3630.	95.	3730.	106.	02/05/02	SSX1	02/05/03	NR01	8.	6.	*CTHSPK* 020503.PRN
			Magnesium		3120.	3080.	4230.	103.	4330.	112.					8.	6.	
			Sodium		44.	44.	1020.	97.	1050.	100.					8.	6.	
			Potassium		926.	893.	1860.	95.	1970.	106.					8.	6.	
			Aluminum		**12500.**	**12300.**	**14300.**	**977.**	**14800.**	**-99.**					8.	6.	
			Barium		73.7	72.7	170.0	97.	175.0	102.					8.	6.	
			Beryllium		0.6	0.6	50.6	100.	52.0	103.					8.	6.	
			Cadmium		-1.	-1.	49.	98.	51.	101.					8.	6.	
			Chromium		15.	15.	114.	100.	117.	103.					8.	6.	
			Cobalt		8.	8.	111.	102.	113.	105.					8.	6.	
			Copper		42.	40.	136.	95.	139.	98.					8.	6.	
			Iron		26000.	25500.	26800.	91.	27800.	167.					8.	6.	
			Lead		50.	45.	141.	94.	146.	99.					8.	6.	
			Manganese		558.	565.	649.	87.	658.	96.					8.	6.	
			Molybdenum		2.	1.	49.	95.	51.	98.					8.	6.	
			Nickel		13.	14.	65.	103.	67.	107.					8.	6.	
			Phosphorus		381.	373.	766.	78.	793.	83.					8.	6.	
			Silver		-1.0	-1.0	49.0	98.	50.3	100.					8.	6.	
			Thallium		-10.	-10.	98.	93.	100.	96.					8.	6.	
			Vanadium		29.	28.	79.	101.	81.	106.					8.	6.	
			Zinc		89.	87.	292.	102.	298.	105.					8.	6.	
022744	XCG-US	OSO2-17	Calcium	PV	8910.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		1940.										8.	6.	
			Sodium		413.										8.	6.	
			Potassium		780.										8.	6.	
			Aluminum		6740.										8.	6.	
			Barium		109.0										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		4.										8.	6.	
			Chromium		22.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		1430.										8.	6.	
			Iron		22500.										8.	6.	
			Lead		2780.										8.	6.	
			Manganese		652.										8.	6.	
			Molybdenum		3.										8.	6.	
			Nickel		37.										8.	6.	
			Phosphorus		1090.										8.	6.	
			Silver		1.1										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		1780.										8.	6.	
022745	XCG-US	OSO2-18	Calcium	PV	2280.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		3520.										8.	6.	
			Sodium		367.										8.	6.	
			Potassium		1080.										8.	6.	
			Aluminum		13500.										8.	6.	
			Barium		90.0										8.	6.	
			Beryllium		0.7										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		16.										8.	6.	
			Cobalt		10.										8.	6.	
			Copper		29.										8.	6.	
			Iron		28500.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		25.										8.	6.	
			Manganese		516.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		19.										8.	6.	
			Phosphorus		**313.**										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		31.										8.	6.	
			Zinc		96.										8.	6.	
022746	XCG-US	OSO2-19	Calcium	PV	8060.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2640.										8.	6.	
			Sodium		68.										8.	6.	
			Potassium		867.										8.	6.	
			Aluminum		7890.										8.	6.	
			Barium		76.1										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		3.										8.	6.	
			Chromium		20.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		789.										8.	6.	
			Iron		19900.										8.	6.	
			Lead		1720.										8.	6.	
			Manganese		394.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		31.										8.	6.	
			Phosphorus		1150.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		992.										8.	6.	
022747	XCG-US	OSO2-20	Calcium	PV	1950.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2650.										8.	6.	
			Sodium		36.										8.	6.	
			Potassium		786.										8.	6.	
			Aluminum		11900.										8.	6.	
			Barium		74.7										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		15.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		23.										8.	6.	
			Iron		23100.										8.	6.	
			Lead		18.										8.	6.	
			Manganese		451.										8.	6.	
			Molybdenum		-1.										8.	6.	
			Nickel		13.										8.	6.	
			Phosphorus		284.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		27.										8.	6.	
			Zinc		57.										8.	6.	
022748	XCG-US	OSO2-21	Calcium	PV	8230.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		1890.										8.	6.	
			Sodium		246.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Potassium		694.										8.	6.	
			Aluminum		6820.										8.	6.	
			Barium		101.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		**4.**										**8.**	**6.**	
			Chromium		21.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		2030.										8.	6.	
			Iron		22800.										8.	6.	
			Lead		2910.										8.	6.	
			Manganese		522.										8.	6.	
			Molybdenum		3.										8.	6.	
			Nickel		38.										8.	6.	
			Phosphorus		1390.										8.	6.	
			Silver		2.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		1350.										8.	6.	
022749	XCG-US	OSO2-22	Calcium	PV	2030.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2900.										8.	6.	
			Sodium		121.										8.	6.	
			Potassium		809.										8.	6.	
			Aluminum		12000.										8.	6.	
			Barium		69.8										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		14.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		70.										8.	6.	
			Iron		24400.										8.	6.	
			Lead		82.										8.	6.	
			Manganese		440.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		14.										8.	6.	
			Phosphorus		407.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		27.										8.	6.	
			Zinc		97.										8.	6.	
022750	XCG-US	OSO2-BW3	Calcium	PV	2060.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2790.										8.	6.	
			Sodium		122.										8.	6.	
			Potassium		796.										8.	6.	
			Aluminum		11900.										8.	6.	
			Barium		68.7										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		14.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		79.										8.	6.	
			Iron		23600.										8.	6.	
			Lead		89.										8.	6.	
			Manganese		478.										8.	6.	
			Molybdenum		2.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Nickel		14.										8.	6.	
			Phosphorus		409.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		**26.**										**8.**	**6.**	
			Zinc		100.										8.	6.	
022751	XCG-US	OSO2-23	Calcium	PV	7730.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2210.										8.	6.	
			Sodium		409.										8.	6.	
			Potassium		820.										8.	6.	
			Aluminum		7700.										8.	6.	
			Barium		127.0										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		2.										8.	6.	
			Chromium		19.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		797.										8.	6.	
			Iron		19800.										8.	6.	
			Lead		1770.										8.	6.	
			Manganese		433.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		23.										8.	6.	
			Phosphorus		923.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		23.										8.	6.	
			Zinc		1010.										8.	6.	
022752	XCG-US	OSO2-24	Calcium	PV	2250.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		3520.										8.	6.	
			Sodium		269.										8.	6.	
			Potassium		1080.										8.	6.	
			Aluminum		13300.										8.	6.	
			Barium		88.6										8.	6.	
			Beryllium		0.7										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		15.										8.	6.	
			Cobalt		9.										8.	6.	
			Copper		27.										8.	6.	
			Iron		27300.										8.	6.	
			Lead		29.										8.	6.	
			Manganese		367.										8.	6.	
			Molybdenum		-1.										8.	6.	
			Nickel		19.										8.	6.	
			Phosphorus		320.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		29.										8.	6.	
			Zinc		103.										8.	6.	
022753	XCG-US	OSO2-25	Calcium	PV	6950.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2750.										8.	6.	
			Sodium		52.										8.	6.	
			Potassium		1980.										8.	6.	
			Aluminum		8170.										8.	6.	
			Barium		78.4										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		25.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		**129.**										**8.**	**6.**	
			Iron		21400.										8.	6.	
			Lead		289.										8.	6.	
			Manganese		358.										8.	6.	
			Molybdenum		-1.										8.	6.	
			Nickel		17.										8.	6.	
			Phosphorus		1210.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		29.										8.	6.	
			Zinc		232.										8.	6.	
022754	XCG-US	OSO2-26	Calcium	PV	2910.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2510.										8.	6.	
			Sodium		77.										8.	6.	
			Potassium		660.										8.	6.	
			Aluminum		10300.										8.	6.	
			Barium		76.1										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		12.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		78.										8.	6.	
			Iron		20100.										8.	6.	
			Lead		124.										8.	6.	
			Manganese		374.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		15.										8.	6.	
			Phosphorus		466.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		108.										8.	6.	
022755	XCG-US	OSO2-27	Calcium	PV	39500.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		14600.										8.	6.	
			Sodium		101.										8.	6.	
			Potassium		1660.										8.	6.	
			Aluminum		10500.										8.	6.	
			Barium		95.7										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		18.										8.	6.	
			Cobalt		9.										8.	6.	
			Copper		163.										8.	6.	
			Iron		23500.										8.	6.	
			Lead		294.										8.	6.	
			Manganese		469.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		24.										8.	6.	
			Phosphorus		712.										8.	6.	
			Silver		-1.0										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Thallium		-10.										8.	6.	
			Vanadium		24.										8.	6.	
			Zinc		326.										8.	6.	
022756	XCG-US	OSO2-28	Calcium	PV	11700.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		**5470.**										8.	6.	
			Sodium		98.										8.	6.	
			Potassium		1120.										8.	6.	
			Aluminum		10800.										8.	6.	
			Barium		149.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		16.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		332.										8.	6.	
			Iron		23500.										8.	6.	
			Lead		626.										8.	6.	
			Manganese		368.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		19.										8.	6.	
			Phosphorus		605.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		26.										8.	6.	
			Zinc		482.										8.	6.	
022757	XCG-US	OSO2-29	Calcium	PV	7100.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2000.										8.	6.	
			Sodium		167.										8.	6.	
			Potassium		1170.										8.	6.	
			Aluminum		7600.										8.	6.	
			Barium		122.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		4.										8.	6.	
			Chromium		22.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		1030.										8.	6.	
			Iron		23500.										8.	6.	
			Lead		2070.										8.	6.	
			Manganese		489.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		36.										8.	6.	
			Phosphorus		1040.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		23.										8.	6.	
			Zinc		1530.										8.	6.	
022758	XCG-US	OSO2-30	Calcium	PV	2930.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2430.										8.	6.	
			Sodium		100.										8.	6.	
			Potassium		847.										8.	6.	
			Aluminum		10500.										8.	6.	
			Barium		66.9										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		12.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Cobalt		7.										8.	6.	
			Copper		83.										8.	6.	
			Iron		21400.										8.	6.	
			Lead		102.										8.	6.	
			Manganese		**458.**										**8.**	**6.**	
			Molybdenum		-1.										8.	6.	
			Nickel		13.										8.	6.	
			Phosphorus		393.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		23.										8.	6.	
			Zinc		117.										8.	6.	
022759	XCG-US	OSO2-31	Calcium	PV	32500.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		12700.										8.	6.	
			Sodium		105.										8.	6.	
			Potassium		1680.										8.	6.	
			Aluminum		10500.										8.	6.	
			Barium		113.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		19.										8.	6.	
			Cobalt		9.										8.	6.	
			Copper		431.										8.	6.	
			Iron		24700.										8.	6.	
			Lead		686.										8.	6.	
			Manganese		449.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		27.										8.	6.	
			Phosphorus		764.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		25.										8.	6.	
			Zinc		613.										8.	6.	
022760	XCG-US	OSO2-32	Calcium	PV	55200.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		18200.										8.	6.	
			Sodium		115.										8.	6.	
			Potassium		1650.										8.	6.	
			Aluminum		10700.										8.	6.	
			Barium		88.2										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		17.										8.	6.	
			Cobalt		10.										8.	6.	
			Copper		115.										8.	6.	
			Iron		25100.										8.	6.	
			Lead		132.										8.	6.	
			Manganese		442.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		25.										8.	6.	
			Phosphorus		600.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		23.										8.	6.	
			Zinc		166.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022761	XCG-US	OSO2-BW4	Calcium	PV	60000.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		19400.										8.	6.	
			Sodium		121.										8.	6.	
			Potassium		1750.										8.	6.	
			Aluminum		**10900.**										**8.**	**6.**	
			Barium		89.6										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		18.										8.	6.	
			Cobalt		10.										8.	6.	
			Copper		107.										8.	6.	
			Iron		26200.										8.	6.	
			Lead		130.										8.	6.	
			Manganese		461.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		25.										8.	6.	
			Phosphorus		602.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		24.										8.	6.	
			Zinc		159.										8.	6.	
022762	XCG-US	OSO2-33	Calcium	PV	4060.						02/05/02	SSX1	02/05/03	NR01	8.	6.	020503.prn
			Magnesium		2740.										8.	6.	
			Sodium		40.										8.	6.	
			Potassium		924.										8.	6.	
			Aluminum		9330.										8.	6.	
			Barium		68.2										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		14.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		67.										8.	6.	
			Iron		19700.										8.	6.	
			Lead		123.										8.	6.	
			Manganese		434.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		18.										8.	6.	
			Phosphorus		815.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		21.										8.	6.	
			Zinc		142.										8.	6.	
BL0502	INTERNAL		Calcium	PV	-20.	-99999	1060.	104.	1060.	105.	02/05/02	SSX1	02/05/03	NR01	$$$	$$$	*PLC* 020503.PRN
			Magnesium		-5.	-99999	1090.	99.	1100.	100.					$$$	$$$	
			Sodium		-10.	-99999	1000.	100.	1010.	101.					$$$	$$$	
			Potassium		-100.	-99999	951.	96.	1010.	102.					$$$	$$$	
			Aluminum		-3.	-99999	203.	101.	205.	101.					$$$	$$$	
			Barium		-0.5	-99999.	101.0	101.	102.0	102.					$$$	$$$	
			Beryllium		-0.1	-99999.	51.1	102.	51.5	103.					$$$	$$$	
			Cadmium		-1.	-99999	50.	100.	50.	101.					$$$	$$$	
			Chromium		2.	-99999	103.	101.	103.	101.					$$$	$$$	
			Cobalt		-5.	-99999	105.	105.	106.	106.					$$$	$$$	
			Copper		-1.	-99999	99.	99.	100.	100.					$$$	$$$	
			Iron		8.	-99999	1240.	102.	1240.	103.					$$$	$$$	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		-5.	-99999	102.	102.	102.	102.					$$$	$$$	
			Manganese		-1.	-99999	101.	101.	102.	102.					$$$	$$$	
			Molybdenum		-1.	-99999	50.	101.	50.	101.					$$$	$$$	
			Nickel		-5.	-99999	52.	101.	52.	100.					$$$	$$$	
			Phosphorus		**-10.**	**-99999**	**508.**	**101.**	**511.**	**102.**					**$$$**	**$$$**	
			Silver		-1.0	-99999.	51.5	103.	51.9	103.					$$$	$$$	
			Thallium		-10.	-99999	96.	95.	98.	97.					$$$	$$$	
			Vanadium		-1.	-99999	51.	101.	51.	102.					$$$	$$$	
			Zinc		-1.	-99999	201.	100.	202.	101.					$$$	$$$	

21 Tests for 6010-S with an MDL of 20 mg/kg Validated By NR Control Chart Updated N/A IO Requirements met N/A

96033

ICP AUTOSAMPLER RUN LOG

Analyst: NR Run Date: 020503 Run Code: NR01

R2	PASC I.D.	DILUTION	BATCH
1	BL0501	10x	STHI
2	BL0501S		
3	023596		
4	596D		
5	PDS 596S		
6	597		
7	599		
8	600		
9	601		
10	602		
11	603		
12	BL0503	12x	NRA1
13	BL0503S		
14	023579		
15	580		
16	581		
17	582		
18	583		
19	584		
20	585		
21	586		
22	587		
23	588		
24	BL0503	12x	NRA2
25	BL0503S		
26	023589		
27	590		
28	591		
29	592		
30	593		
31	594		
32	BL0503	2x	SS81
33	BL0503S		
34	023170		
35	170D		
36	170S		
37	171		
38	023992		
39	993		
40	994		
41	995		
42	024193		
43	194		
44	195		
45	196		
46	BL0502	100x	SSX1
47	BL0502S		
48	BL0502X		
49	ERA249		
50	022743		
51	743D		
52	743S		
53	743X		
54	744		
55	745		
56	746		
57	747		
58	748		
59	022749		
60			

R3	PASC I.D.	DILUTION	BATCH
1	022750	100x	SSX1
2	751		
3	752		
4	753		
5	754		
6	755		
7	756		
8	757		
9	758		
10	759		
11	760		
12	761		
13	762		
14	DC 762	500x	
15	BL0502	100x	SSX2
16	BL0502S	"	PROBE JAMMED AT START OF THIS BATCH
17	BL0502X		PRINT OUT FROM
18	022763		HERE ON DISCARDED
19	763D		ALSO LATER ON
20	763S	"	THERE WAS A
21	763X		CONTROLLER COMMUN
22	764		-TION ERROR
23	765		
24	766		NRUSOG
25	767		
26	768		
27	769		
28	770		
29	771		
30	772		
31	773		
32	774		
33	775		
34	776		
35	777		
36	778		
37	779		
38	780		
39	781		
40	782		
41	BL0502	100x	SSX3
42	BL0502S		
43	BL0502X		
44	ERA249		
45	022783		
46	783D		
47	783S		
48	783X		
49	784		
50	785		
51	786		
52	787		
53	788		
54	789		
55	790		
56	791		
57	792		
58	793		
59	794		
60	022795		

33	STDLOW
42	STDAHIGH
33	STDBHIGH
18	ICVA
16	ICVB

49	ICSA
43	ICSAB
103	CCVA
100	CCVB
120	CCB/ICB

(HF matrix standards are prepared fresh for each day's analysis as required)

020503 : NR01

R4	PASC I.D.	DILUTION	BATCH
1	022746	100x	SS43
2	797		
3	798		
4	799		
5	800		
6	801		
7	802		
8	BLOSC3	100x	SS41
9	BLOSC3S		
10	BLOSC3x		
11	ERA249		
12	022303		
13	803D		
14	803S		
15	803x		
16	804		
17	805		
18	806		
19	807		
20	808		
21	809		
22	810		
23	811		
24	812		
25	813		
26	814		
27	815		
28	816		
29	817		
30	818		
31	819		
32	820		
33	821		
34	822		
35	BLOSC3	100x	SS43
36	BLOSC3x		
37	BLOSC3x		
38	022326		
39	326D		
40	326S		
41	326x		
42	327		
43	DC 327	500x	
44	022326	200x	
45	326D		
46	PDS 326S		
47	327		
48			
49			
50	NR.		
51			
52			
53			
54			
55			
56			
57			
58			
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R5	PASC I.D.	DILUTION	BATCH
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EPA 3050B SOIL PREPARATION LOG

DG3050B

Check List

- [x] Digest Code done/Tubes labeled
- [x] Samples weighed out
- [x] Samples spiked
- [x] Acids added
- [x] Samples digested
- [x] Peroxide step performed
- [x] HCL acid added
- [x] Samples bulked/centrifuged
- [x] Rack order checked

#	Sample I.D.	B.Code	Init.Wt.	F. Vol.	Dil.	Comment
1	BL 0502	SSX1	0.5	50 ml.	100	
2	BL S	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
3	BL DS	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
4	External Reference Material		0.505	"	"	ERA249
1 5	22743	"	0.504	"	"	
1 6	D	"	0.502	"	"	
1 7	S	"	0.500	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
1 8	DS	"	0.497	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
2 9	44	"	0.500	"	"	
3 10	45	"	0.500	"	"	
4 11	46	"	0.499	"	"	
5 12	47	"	0.500	"	"	
6 13	48	"	0.502	"	"	
14	49	"	0.500	"	"	
8 15	50	"	0.503	"	"	
9 16	51	"	0.504	"	"	
10 17	52	"	0.500	"	"	
11 18	53	"	0.500	"	"	
12 19	54	"	0.503	"	"	
13 20	55	"	0.504	"	"	
14 21	56	"	0.501	"	"	
15 22	57	"	0.504	"	"	
16 23	58	"	0.499	"	"	
17 24	59	"	0.500	"	"	
18 25	60	"	0.498	"	"	
19 26	61	"	0.499	"	"	
20 27	62	"	0.500	"	"	

Notes:

***DO NOT CENTRIFUGE THE FINAL DIGEST AT SPEEDS GREATER THAN 2000 RPM

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/03/02 08:16:17
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0209	-.0146	.0040	-.0000	-.00013	-.0001	.0014
SDev	.0118	.0273	.0110	.0012	.00012	.0002	.0066
%RSD	56.20	187.3	274.9	27e6	91.363	276.3	464.8
#1	.0344	-.0233	.0048	-.0013	-.00005	-.0001	-.0057
#2	.0126	-.0365	.0146	.0007	-.00026	-.0002	.0028
#3	.0158	.0160	-.0074	.0007	-.00007	.0001	.0071

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	-.0017	.0001	.0103	-.0011	.0004	.0005
SDev	.0023	.0030	.0029	.0027	.0129	.0002	.0002
%RSD	154.5	174.4	2787.	26.51	1227.	43.30	37.54
#1	-.0040	-.0052	-.0032	.0132	-.0157	.0005	.0003
#2	-.0008	.0004	.0009	.0098	.0040	.0003	.0007
#3	.0004	-.0004	.0025	.0078	.0085	.0003	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0024	-.0799	-.0258	-.0008	-.0423	-.0477
SDev	.0024	.0013	.3845	.0149	.0030	.0176	.0079
%RSD	52.70	54.55	481.4	57.68	389.2	41.63	16.59
#1	.0067	.0024	-.4794	-.0407	.0023	-.0282	-.0562
#2	.0020	.0011	-.0479	-.0258	-.0009	Q-.0620	-.0405
#3	.0049	.0037	.2877	-.0109	-.0037	-.0367	-.0464

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	.0013	.0208	.0019	-.0009	-.0073	Q.3130
SDev	.0022	.0006	.0033	.0131	.0011	.0145	.2742
%RSD	87.81	44.35	15.78	675.2	115.4	198.2	87.61
#1	-.0048	.0016	.0172	.0029	-.0016	-.0111	Q.6290
#2	-.0023	.0016	.0215	.0146	-.0016	-.0195	Q.1724
#3	-.0004	.0006	.0237	-.0117	.0003	.0087	Q.1376

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0519	-.0002	-.0006	-.0006	.0020	.0010
SDev	.0118	.0004	.0044	.0010	.0000	.0006
%RSD	22.70	173.2	691.9	173.2	.0007	62.45
#1	.0410	-.0007	-.0035	-.0017	.0020	.0005
#2	Q.0503	.0000	.0044	.0000	.0020	.0008
#3	Q.0644	.0000	-.0028	.0000	.0020	.0017

Analysis Report QC Standard 05/03/02 08:23:50 AM page 1

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/03/02 08:20:07
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0299	-.0058	.0161	.0007	-.00013	-.0002	-.0000
SDev	.0134	.0191	.0050	.0000	.00012	.0001	.0025
%RSD	44.64	326.9	31.32	.0011	90.130	31.38	11470.
#1	.0145	-.0277	.0121	.0007	-.00026	-.0002	-.0014
#2	.0370	.0029	.0218	.0007	-.00006	-.0003	.0028
#3	.0383	.0073	.0144	.0007	-.00007	-.0002	-.0015

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	-.0015	.0008	.0086	.0100	.0004	.0006
SDev	.0010	.0004	.0010	.0006	.0109	.0002	.0003
%RSD	57.27	24.94	114.6	6.535	108.9	43.30	50.95
#1	-.0008	-.0018	.0019	.0083	.0131	.0003	.0009
#2	-.0015	-.0011	.0000	.0083	.0191	.0003	.0005
#3	-.0027	-.0015	.0006	.0093	-.0021	.0005	.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0068	-.8310	-.0203	-.0022	Q-.0536	.0020
SDev	.0031	.0062	.6986	.0023	.0030	.0147	.0267
%RSD	799.6	89.92	84.07	11.18	137.7	27.34	1356.
#1	-.0016	.0051	-.0959	-.0184	-.0000	Q-.0620	-.0189
#2	.0032	.0137	Q-1.486	-.0228	-.0009	-.0367	.0320
#3	-.0028	.0018	-.9109	-.0199	-.0056	Q-.0620	-.0072

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0019	.0251	-.0223	.0009	.0075	.0494
SDev	.0014	.0005	.0025	.0069	.0005	.0052	.0145
%RSD	115.5	28.15	9.896	30.83	57.73	68.80	29.35
#1	-.0004	.0016	.0237	-.0248	.0003	.0134	Q.0540
#2	-.0029	.0025	.0237	-.0146	.0012	.0050	Q.0609
#3	-.0004	.0016	.0280	-.0277	.0012	.0040	.0331

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0825	-.0005	.0001	.0000	.0020	.0004
SDev	.0298	.0004	.0031	.0000	.0000	.0013
%RSD	36.11	86.60	2497.	.0000	.0003	312.2
#1	Q.0595	-.0007	-.0020	.0000	.0020	.0014
#2	Q.0718	-.0007	.0036	.0000	.0020	-.0010
#3	Q.1161	-.0000	-.0013	.0000	.0020	.0008

Method: STD_MTD Standard: STDLOW
Run Time: 05/03/02 08:25:44

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Avge	.0202	-.0006	.0004	-.0001	.00080	.0001	.0004
SDev	.0068	.0002	.0018	.0002	.00000	.0003	.0005
%RSD	33.44	33.33	458.3	173.2	.00000	229.1	132.3
#1	.0240	-.0008	.0000	-.0004	.00080	-.0002	-.0002
#2	.0242	-.0006	.0024	.0000	.00080	.0002	.0006
#3	.0124	-.0004	-.0012	.0000	.00080	.0004	.0008

Elem	Cr	Co	Cu	Fe	Fe	Pb	Mg
Avge	-.0009	-.0011	-.0015	-.0025	.0008	-.0005	-.0001
SDev	.0009	.0022	.0022	.0022	.0008	.0012	.0022
%RSD	98.97	206.5	150.2	87.32	100.0	261.9	1618.
#1	-.0020	-.0036	-.0040	-.0028	.0008	.0006	-.0026
#2	-.0004	.0000	.0000	-.0046	.0016	-.0002	.0008
#3	-.0004	.0004	-.0004	-.0002	.0000	-.0018	.0014

Elem	Mg	Mn	Hg	Ni	K	Se	Ag
Avge	.0001	-.0002	-.0012	-.0012	.0069	-.0015	.0043
SDev	.0001	.0010	.0005	.0047	.0008	.0001	.0006
%RSD	86.60	500.0	44.10	393.0	11.77	7.531	14.32
#1	.0000	-.0002	-.0014	-.0064	.0064	-.0016	.0044
#2	.0002	.0008	-.0006	.0028	.0064	-.0016	.0036
#3	.0002	-.0012	-.0016	.0000	.0078	-.0014	.0048

Elem	Na	Tl	V	Zn	B	Bi	Mo
Avge	.0195	-.0009	-.0017	.0005	.0034	.0027	.0002
SDev	.0004	.0015	.0012	.0002	.0009	.0017	.0009
%RSD	2.131	176.3	69.28	43.30	25.64	64.66	435.9
#1	.0200	-.0022	-.0030	.0008	.0038	.0042	-.0008
#2	.0194	-.0012	-.0010	.0004	.0040	.0008	.0006
#3	.0192	.0008	-.0010	.0004	.0024	.0030	.0008

Elem	P	S	Si	Sr	Sn	Ti	Y
Avge	-.0005	.0009	.0155	.0000	-.0020	-.0003	.0000
SDev	.0038	.0038	.0043	.0002	.0042	.0002	.0000
%RSD	818.0	439.3	27.65	.0000	209.5	86.60	.0000
#1	.0024	-.0028	.0204	-.0002	-.0030	-.0004	.0000
#2	.0010	.0048	.0132	.0002	.0026	.0000	.0000
#3	-.0048	.0006	.0128	.0000	-.0056	-.0004	.0000

Elem	Zr
Avge	-.0010
SDev	.0017
%RSD	173.2
#1	-.0030
#2	.0000
#3	.0000

Method: STD_MTD Standard: STDAHIGH
Run Time: 05/03/02 08:29:36

Elem	Al	As	Ba	Be	Cd	Ca	Cr
Avge	5.770	.3969	1.856	4.7428	1.157	4.491	3.076
SDev	.020	.0028	.007	.0174	.003	.009	.006
%RSD	.3448	.7151	.3898	.36784	.2484	.2026	.1859
#1	5.789	.3994	1.863	4.7614	1.160	4.501	3.082
#2	5.772	.3938	1.855	4.7268	1.154	4.489	3.071
#3	5.749	.3974	1.849	4.7402	1.155	4.484	3.074

Elem	Co	Cu	Fe	Pb	Mg	Mn	Hg
Avge	5.142	5.950	7.855	1.299	4.220	10.13	.7389
SDev	.011	.020	.014	.005	.014	.02	.0136
%RSD	.2189	.3338	.1756	.3564	.3325	.2040	1.843
#1	5.155	5.973	7.871	1.298	4.236	10.15	.7542
#2	5.136	5.938	7.850	1.305	4.210	10.11	.7342
#3	5.136	5.939	7.845	1.296	4.214	10.13	.7282

Elem	Ni	K	Se	Ag	Na	Tl	V
Avge	1.447	.4100	.6443	2.047	2.251	1.001	1.526
SDev	.008	.0030	.0036	.009	.013	.005	.004
%RSD	.5355	.7382	.5599	.4213	.5561	.5373	.2763
#1	1.454	.4076	.6406	2.056	2.263	.9974	1.531
#2	1.448	.4134	.6446	2.045	2.251	.9980	1.524
#3	1.439	.4090	.6478	2.039	2.238	1.007	1.523

Elem	Zn	B	Bi	P	Sr	Y
Avge	7.896	.8729	.6585	18.21	1.251	1.605
SDev	.021	.0035	.0031	.04	.005	.006
%RSD	.2704	.4036	.4650	.2229	.4146	.3994
#1	7.918	.8762	.6566	18.25	1.257	1.611
#2	7.875	.8692	.6568	18.21	1.250	1.604
#3	7.894	.8734	.6620	18.17	1.247	1.599

Method: STD_MTD Standard: STDBHIGH
Run Time: 05/03/02 08:34:17

Elem	Sb	Fe	Mg	Mo	S	Si	Sn
Avge	.2183	5.822	7.105	1.026	1.072	3.313	5.209
SDev	.0018	.032	.035	.009	.017	.035	.036
%RSD	.8213	.5538	.4885	.8445	1.589	1.044	.6951
#1	.2162	5.785	7.065	1.016	1.053	3.273	5.193
#2	.2192	5.846	7.124	1.028	1.082	3.336	5.183
#3	.2194	5.834	7.126	1.033	1.083	3.329	5.250

Elem	Ti	Zr
Avge	2.248	6.185
SDev	.011	.021
%RSD	.5036	.3355
#1	2.235	6.162
#2	2.254	6.193
#3	2.255	6.201

Method: STD_MTD Sample Name: ICVA Operator: NR
Run Time: 05/03/02 08:38:27
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.04	.0761	2.481	5.018	2.5312	2.499	51.62
SDev	.04	.0211	.031	.011	.0110	.006	.11
%RSD	.4269	27.71	1.246	.2235	.43405	.2468	.2072
#1	10.02	.0640	2.507	5.010	2.5224	2.492	51.50
#2	10.01	.0640	2.489	5.015	2.5277	2.499	51.71
#3	10.09	.1005	2.447	5.031	2.5435	2.505	51.64

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.014	5.133	4.979	10.13	4.910	50.23	5.038
SDev	.011	.003	.020	.03	.007	.18	.014
%RSD	.2271	.0588	.4002	.3094	.1447	.3664	.2765
#1	5.003	5.130	4.965	10.09	4.902	50.08	5.025
#2	5.013	5.136	4.970	10.13	4.914	50.17	5.037
#3	5.025	5.132	5.002	10.16	4.914	50.44	5.052

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.247	2.547	49.61	2.505	2.522	50.78	5.016
SDev	.014	.020	1.19	.038	.012	.29	.013
%RSD	1.087	.7901	2.395	1.522	.4621	.5788	.2603
#1	1.263	2.525	50.78	2.469	2.514	50.52	5.030
#2	1.242	2.554	49.65	2.545	2.518	50.74	5.004
#3	1.237	2.563	48.41	2.501	2.536	51.10	5.016

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.506	10.10	5.146	2.476	.0069	25.31	.0532
SDev	.007	.03	.035	.024	.0054	.13	.0125
%RSD	.2764	.3106	.6706	.9767	77.45	.5054	23.56
#1	2.503	10.06	5.118	2.467	.0131	25.19	.0431
#2	2.501	10.10	5.136	2.458	.0043	25.31	.0672
#3	2.514	10.13	5.184	2.503	.0034	25.44	.0492

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0103	2.489	-.0061	.0036	4.963	-.0131
SDev	.0091	.007	.0043	.0010	.008	.0019
%RSD	88.50	.2730	70.10	28.87	.1672	14.41
#1	-.0044	2.484	-.0016	.0047	4.954	-.0110
#2	-.0057	2.487	-.0066	.0030	4.965	-.0139
#3	-.0208	2.497	-.0101	.0030	4.970	-.0145

Method: STD_MTD Sample Name: ICVB Operator: NR
Run Time: 05/03/02 08:43:13
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0423	2.486	-.0083	.0007	-.00021	-.0008	-.0372
SDev	.0270	.020	.0058	.0000	.00001	.0001	.0051
%RSD	63.76	.8013	70.06	.0021	2.5450	10.67	13.80
#1	.0237	2.463	-.0117	.0007	-.00021	-.0008	-.0402
#2	.0300	2.495	-.0117	.0007	-.00020	-.0008	-.0402
#3	.0733	2.499	-.0016	.0007	-.00021	-.0009	-.0313

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0019	.0083	.0106	50.91	.0231	4.997	-.0005
SDev	.0016	.0006	.0024	.65	.0048	.060	.0003
%RSD	86.39	6.607	22.84	1.271	20.69	1.204	54.04
#1	.0016	.0089	.0119	51.63	.0283	5.059	-.0003
#2	.0004	.0082	.0078	50.38	.0221	4.994	-.0005
#3	.0036	.0078	.0122	50.71	.0189	4.938	-.0009

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0054	.0030	.8544	.0008	.0342	-.0173	-.3104
SDev	.0062	.0189	.7334	.0214	.0020	.0052	.0030
%RSD	113.6	630.4	85.83	2563.	5.962	30.20	.9728
#1	.0082	.0186	1.351	-.0040	.0326	-.0205	-.3130
#2	.0098	-.0180	1.200	.0243	.0336	-.0202	-.3112
#3	-.0016	.0083	.0121	-.0177	.0365	-.0113	-.3071

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0013	-.0094	.0023	-.0777	2.482	.0454	5.043
SDev	.0021	.0005	.0023	.0315	.017	.0238	.062
%RSD	161.4	5.015	100.6	40.48	.6814	52.35	1.229
#1	-.0021	-.0088	.0046	-.0868	2.493	.0211	5.115
#2	-.0029	-.0096	-.0000	-.1036	2.491	.0465	5.006
#3	.0011	-.0097	.0023	-.0427	2.463	.0686	5.008

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.893	-.0003	4.966	4.927	.0017	4.909
SDev	.038	.0005	.039	.069	.0014	.075
%RSD	.7799	173.0	.7821	1.408	86.61	1.528
#1	4.928	-.0000	4.983	5.001	-.0000	4.987
#2	4.898	-.0008	4.993	4.918	.0025	4.900
#3	4.853	-.0000	4.921	4.863	.0025	4.838

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/03/02 08:47:04
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0126	.0183	.0155	.0007	-.00000	.0021	.0089
SDev	.0073	.0046	.0130	.0022	.00001	.0049	.0000
%RSD	58.36	25.00	83.55	300.0	224.93	232.6	.0694
#1	.0119	.0183	.0285	.0029	-.00000	.0078	.0089
#2	.0202	.0137	.0155	-.0014	-.00001	-.0008	.0089
#3	.0056	.0228	.0026	.0007	.00000	-.0006	.0089

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	-.0008	.0055	.0076	.0082	.0009	.0006
SDev	.0016	.0008	.0000	.0028	.0101	.0003	.0002
%RSD	58.08	104.0	.0000	37.12	123.1	30.00	33.37
#1	.0011	.0001	.0055	.0102	.0098	.0012	.0004
#2	.0043	-.0014	.0055	.0081	.0175	.0007	.0006
#3	.0030	-.0010	.0055	.0046	-.0026	.0009	.0008

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0038	.0087	-.1320	.0258	.0072	Q-.1136	-.0073
SDev	.0059	.0063	.3513	.0102	.0067	.0090	.0072
%RSD	154.5	71.64	266.1	39.36	93.72	7.895	98.45
#1	.0027	.0021	-.0660	.0351	.0145	Q-.1046	-.0154
#2	-.0087	.0145	.1816	.0150	.0013	Q-.1225	-.0053
#3	-.0054	.0097	-.5116	.0274	.0057	Q-.1136	-.0013

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	-.0004	.0023	-.0010	.0046	.0027	.0391
SDev	.0020	.0010	.0023	.0275	.0055	.0080	.0155
%RSD	224.9	267.1	99.89	2715.	121.8	291.1	39.74
#1	.0009	.0007	.0046	-.0294	.0107	-.0064	.0441
#2	.0028	-.0004	.0000	.0010	.0000	.0084	Q.0516
#3	-.0011	-.0014	.0023	.0254	.0029	.0062	.0217

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0378	.0000	.0044	.0024	.0000	.0100
SDev	.0080	.0000	.0062	.0010	.0000	.0063
%RSD	21.30	.0694	141.6	43.30	.0694	62.80
#1	.0332	.0000	.0108	.0030	.0000	.0171
#2	.0332	.0000	.0038	.0030	.0000	.0078
#3	.0471	.0000	-.0015	.0012	.0000	.0052

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Method: STD_MTD Sample Name: ICB Operator: NR
Run Time: 05/03/02 08:52:40
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0147	.0213	.0035	-.0000	-.00000	.0014	.0045
SDev	.0109	.0279	.0189	.0012	.00001	.0025	.0089
%RSD	74.12	130.9	534.7	9335000.	330.44	176.0	199.6
#1	-.0203	Q.0457	.0131	.0007	-.00001	.0010	.0045
#2	-.0216	-.0091	.0158	Q-.0014	.00001	-.0008	-.0044
#3	-.0021	.0274	-.0182	.0007	-.00001	Q.0041	.0134

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0012	.0008	.0012	.0114	.0002	.0007
SDev	.0025	.0032	.0029	.0011	.0139	.0002	.0003
%RSD	189.3	277.6	371.2	89.25	122.5	86.60	45.83
#1	.0024	.0048	.0025	-.0000	Q.0253	.0004	.0010
#2	-.0015	-.0014	-.0026	.0020	.0114	.0001	.0006
#3	.0030	.0001	.0025	.0015	-.0026	.0001	.0004

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0043	.0032	-.8087	.0196	.0024	-.0030	.0241
SDev	.0044	.0160	.3430	.0228	.0044	.0104	.0103
%RSD	102.2	495.3	42.42	116.3	179.3	346.5	42.75
#1	.0092	Q-.0117	Q-1.205	-.0005	.0052	-.0149	.0267
#2	.0005	Q.0200	-.6107	.0150	-.0026	.0030	.0127
#3	.0033	.0014	-.6107	.0444	.0047	.0030	.0328

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0010	.0008	-.0147	-.0049	.0053	.0031
SDev	.0036	.0006	.0013	.0044	.0029	.0100	.0197
%RSD	330.4	57.59	174.1	29.88	59.99	187.7	643.5
#1	.0035	-.0013	-.0000	-.0173	-.0049	.0068	.0255
#2	-.0031	-.0014	.0023	-.0173	-.0020	-.0053	-.0118
#3	.0028	-.0003	-.0000	-.0096	-.0078	.0145	-.0045

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0273	-.0003	.0077	.0012	.0008	.0025
SDev	.0055	.0005	.0060	.0000	.0014	.0016
%RSD	20.16	173.2	78.59	.0000	173.2	65.65
#1	-.0214	.0000	.0065	.0012	Q.0025	.0042
#2	-.0323	-.0000	.0023	.0012	-.0000	.0010
#3	-.0281	-.0008	.0142	.0012	.0000	.0023

Method: STD_MTD Sample Name: CRI Operator: NR
Run Time: 05/03/02 08:56:30
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1554	.1691	.1072	Q.0065	.00507	Q.0077	.5433
SDev	.0080	.0121	.0143	.0012	.00014	.0054	.0077
%RSD	5.132	7.151	13.35	19.25	2.6610	69.65	1.422
#1	.1610	.1553	.0925	.0050	.00523	Q.0015	.5388
#2	.1462	.1736	Q.1211	Q.0072	.00500	.0107	.5388
#3	.1588	.1782	.1080	Q.0072	.00499	.0109	.5522

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0260	.0565	Q.0364	.0543	.0996	.2588	.0260
SDev	.0054	.0021	.0035	.0031	.0237	.0032	.0001
%RSD	20.81	3.645	9.593	5.729	23.78	1.254	.4391
#1	.0199	.0542	.0324	.0550	Q.0728	.2619	.0259
#2	Q.0277	.0581	Q.0384	.0509	.1177	.2591	.0261
#3	Q.0303	.0573	Q.0384	.0570	.1084	.2554	.0261

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0511	2.377	.3049	Q.0080	.5379	.3226
SDev	.0052	.0073	.627	.0082	.0057	.0103	.0404
%RSD	170.8	14.24	26.37	2.693	71.36	1.925	12.51
#1	-.0022	.0435	2.262	.3080	Q.0018	.5319	.2852
#2	.0081	.0518	Q1.816	.3111	Q.0131	.5319	Q.3654
#3	.0032	.0580	Q3.054	.2956	Q.0092	.5498	.3173

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0290	.0244	Q.1305	.2690	.0569	.2641	.3021
SDev	.0052	.0016	.0027	.0374	.0028	.0063	.0067
%RSD	17.90	6.426	2.038	13.90	4.950	2.392	2.212
#1	.0231	.0248	Q.1289	.3101	.0536	.2577	.2946
#2	Q.0310	.0258	Q.1289	.2599	.0585	.2643	.3040
#3	Q.0329	.0227	Q.1335	Q.2371	.0585	.2703	.3076

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4864	.0051	.2551	.0516	Q.0071	.0413
SDev	.0009	.0005	.0084	.0010	.0019	.0079
%RSD	.1905	9.106	3.311	1.991	26.95	19.14
#1	.4856	.0048	.2502	.0510	.0050	Q.0327
#2	.4874	.0056	.2502	.0510	Q.0075	.0430
#3	.4862	.0048	.2649	.0528	Q.0087	.0482

Method: STD_MTD Sample Name: ICSA Operator: NR
Run Time: 05/03/02 09:00:20
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	298.6	.0061	.0118	-.0000	.00040	-.0016	486.1
SDev	2.2	.0372	.0093	.0012	.00001	.0106	1.4
%RSD	.7434	610.8	79.03	5851.	1.2323	675.1	.2796
#1	296.5	.0228	.0020	.0014	.00040	-.0020	484.8
#2	300.9	-.0366	.0206	-.0007	.00041	Q-.0119	487.5
#3	298.4	.0320	.0127	-.0007	.00040	Q.0092	485.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0013	.0015	201.7	-.0259	486.4	-.0067
SDev	.0021	.0036	.0018	.9	.0098	4.1	.0003
%RSD	10420.	280.3	119.9	.4360	37.90	.8457	4.052
#1	.0024	.0026	.0035	200.7	-.0157	482.8	-.0064
#2	-.0015	-.0046	.0004	202.2	-.0267	490.9	-.0070
#3	-.0009	-.0018	.0004	202.2	-.0353	485.6	-.0066

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0121	.0090	.8634	-.0522	-.0026	-.1482	.0065
SDev	.0095	.0073	.2082	.0041	.0042	.0111	.0420
%RSD	78.27	81.04	24.12	7.829	157.6	7.515	645.5
#1	-.0027	.0159	.6898	-.0485	-.0028	-.1353	.0257
#2	-.0217	.0014	.8060	-.0515	-.0067	-.1550	-.0416
#3	-.0120	.0097	1.094	-.0566	.0016	-.1542	.0355

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0078	.0049	-.0161	-.0389	.0075	.0286	.1969
SDev	.0020	.0011	.0061	.0704	.0020	.0284	.0758
%RSD	25.26	22.93	37.81	180.8	26.90	99.19	38.51
#1	.0095	.0061	Q-.0207	-.0673	.0068	.0546	.1139
#2	.0056	.0048	-.0184	-.0907	.0059	.0330	.2142
#3	.0083	.0039	-.0092	.0412	.0097	-.0017	Q.2625

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0188	.0118	.0154	.0077	.0006	.0105
SDev	.0050	.0005	.0028	.0010	.0007	.0014
%RSD	26.86	3.932	17.93	13.32	128.8	12.88
#1	.0228	.0120	.0179	.0083	.0010	.0120
#2	.0131	.0121	.0159	.0065	-.0003	.0094
#3	.0204	.0113	.0125	.0083	.0010	.0100

Method: STD_MTD Sample Name: ICSAB Operator: NR
Run Time: 05/03/02 09:04:14
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	299.2	1.045	.9853	.4928	.47150	.9751	479.0
SDev	1.8	.041	.0376	.0037	.00834	.0076	7.7
%RSD	.5897	3.968	3.812	.7588	1.7692	.7781	1.612
#1	301.1	1.014	.9705	.4950	.47762	.9817	485.2
#2	298.6	1.028	1.028	.4885	.47489	.9668	481.4
#3	297.7	1.092	.9574	.4950	.46200	.9767	470.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4711	.4777	.4913	200.6	.9509	488.9	.4585
SDev	.0041	.0083	.0010	3.8	.0482	3.2	.0057
%RSD	.8679	1.747	.1975	1.905	5.072	.6515	1.253
#1	.4746	.4839	.4924	203.8	.9220	492.0	.4638
#2	.4720	.4809	.4907	201.7	.9242	489.1	.4594
#3	.4666	.4682	.4907	196.4	1.007	485.6	.4524

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0079	.9407	1.230	.9194	.9914	-.1662	.0006
SDev	.0105	.0317	.020	.0163	.0030	.0348	.0272
%RSD	134.0	3.374	1.661	1.772	.3003	20.95	4924.
#1	.0012	.9764	1.208	.9336	.9948	-.1466	-.0089
#2	-.0195	.9301	1.249	.9016	.9894	-.1455	-.0207
#3	-.0053	.9156	1.233	.9231	.9899	-.2063	.0312

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4825	.9827	.0076	-.0599	.0125	.0524	.1645
SDev	.0052	.0137	.0035	.0401	.0022	.0280	.0944
%RSD	1.067	1.396	45.83	66.92	17.70	53.49	57.37
#1	.4881	.9935	.0107	-.0157	.0099	.0307	.1839
#2	.4814	.9874	.0084	-.0940	.0138	.0841	.0620
#3	.4779	.9673	.0038	-.0700	.0138	.0424	.2478

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7131	.0162	.0019	.0083	-.0003	.0060
SDev	.0073	.0004	.0159	.0000	.0012	.0013
%RSD	1.031	2.382	835.7	.0000	428.5	21.65
#1	.7143	.0160	.0054	.0083	-.0003	.0068
#2	.7052	.0160	-.0155	.0083	-.0015	.0045
#3	.7197	.0167	.0158	.0083	.0009	.0068

Analysis Report QC Standard 05/03/02 09:13:38 AM page 1

Method: STD_MTD Sample Name: STDAHIGH Operator: NR
Run Time: 05/03/02 09:09:53
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.05	.1614	5.009	10.04	5.0567	5.012	99.19
SDev	.11	.0070	.043	.08	.0349	.019	.87
%RSD	.5594	4.323	.8654	.7501	.68970	.3857	.8819
#1	20.06	.1691	5.009	10.08	5.0198	5.018	99.97
#2	20.16	.1599	5.053	10.08	5.0891	5.028	99.34
#3	19.93	.1553	4.966	9.950	5.0612	4.990	98.24

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.02	9.995	10.17	19.95	9.869	101.1	10.05
SDev	.06	.063	.08	.10	.131	.7	.05
%RSD	.6445	.6261	.8201	.5149	1.322	.6705	.4728
#1	10.06	10.04	10.08	19.99	10.00	100.5	10.07
#2	10.06	10.02	10.25	20.03	9.868	101.8	10.09
#3	9.943	9.923	10.16	19.83	9.740	101.0	10.00

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.903	4.997	100.4	5.017	5.043	101.7	9.880
SDev	.026	.002	.7	.028	.024	1.3	.059
%RSD	1.349	.0348	.7289	.5609	.4821	1.296	.5990
#1	1.919	4.997	101.2	5.042	5.029	100.8	9.886
#2	1.918	4.995	100.1	5.022	5.071	103.3	9.936
#3	1.874	4.999	99.90	4.987	5.030	101.2	9.818

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.010	20.16	10.24	4.984	.0067	50.42	.0992
SDev	.027	.11	.16	.043	.0026	.23	.0188
%RSD	.5441	.5425	1.562	.8617	38.36	.4554	18.98
#1	5.022	20.06	10.06	5.018	.0096	50.16	.0792
#2	5.030	20.28	10.34	4.998	.0058	50.61	.1020
#3	4.979	20.15	10.33	4.936	.0048	50.48	.1166

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0075	5.021	.0009	.0042	9.916	-.0277
SDev	.0052	.032	.0075	.0010	.131	.0030
%RSD	69.28	.6373	856.2	24.74	1.326	10.78
#1	-.0026	5.036	.0081	.0047	10.05	-.0242
#2	-.0069	5.042	-.0070	.0047	9.917	-.0294
#3	-.0129	4.984	.0016	.0030	9.784	-.0294

Method: STD_MTD Sample Name: STDBHIGH Operator: NR
Run Time: 05/03/02 09:14:39
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1108	5.030	-.0149	.0007	-.00083	-.0022	-.0804
SDev	.0143	.058	.0083	.0022	.00001	.0012	.0118
%RSD	12.88	1.160	55.72	299.9	.91427	55.87	14.66
#1	.1076	5.094	-.0183	-.0014	-.00082	-.0019	-.0937
#2	.0984	5.017	-.0210	.0029	-.00084	-.0036	-.0759
#3	.1264	4.980	-.0054	.0007	-.00083	-.0012	-.0715

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	.0122	.0120	98.81	.0229	10.07	-.0011
SDev	.0064	.0028	.0033	1.06	.0148	.18	.0003
%RSD	354300.	23.00	27.66	1.072	64.86	1.836	23.93
#1	-.0074	.0090	.0082	99.05	.0203	10.27	-.0011
#2	.0043	.0144	.0142	99.72	.0095	10.03	-.0009
#3	.0031	.0130	.0136	97.65	.0388	9.901	-.0014

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0102	-.0104	.7611	-.0433	.0691	-.0009	-.6026
SDev	.0014	.0014	.7571	.0182	.0023	.0262	.0152
%RSD	13.40	13.33	99.47	42.00	3.275	2779.	2.519
#1	.0087	-.0117	-.1127	-.0496	.0678	-.0160	-.5852
#2	.0114	-.0104	1.176	-.0576	.0678	-.0161	-.6132
#3	.0103	-.0090	1.220	-.0228	.0717	.0293	-.6094

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0067	-.0177	.0015	-.1586	4.992	.0522	10.02
SDev	.0030	.0011	.0013	.0224	.053	.0052	.26
%RSD	45.13	5.981	87.85	14.15	1.060	9.946	2.642
#1	-.0099	-.0167	.0023	-.1840	5.042	.0543	10.27
#2	-.0040	-.0188	.0023	-.1413	4.998	.0463	10.06
#3	-.0061	-.0176	-.0000	-.1505	4.936	.0560	9.744

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.838	-.0000	9.991	10.00	.0012	9.974
SDev	.118	.0000	.138	.22	.0013	.221
%RSD	1.199	14.66	1.379	2.198	100.0	2.219
#1	9.964	-.0000	10.13	10.24	.0025	10.21
#2	9.822	-.0000	9.990	9.965	-.0000	9.940
#3	9.730	-.0000	9.853	9.803	.0012	9.771

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/03/02 09:18:50
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0228	.0060	.0007	.00006	-.0033	.0104
SDev	.0332	.0320	.0059	.0000	.00012	.0047	.0026
%RSD	5001.	140.0	96.94	.0011	187.89	140.5	24.51
#1	.0328	Q.0594	.0128	.0007	.00021	-.0087	.0134
#2	-.0336	.0091	.0028	.0007	-.00000	-.0006	.0090
#3	.0028	.0000	.0026	.0007	-.00001	-.0006	.0089

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.0001	.0058	.0056	.0036	.0010	.0007
SDev	.0006	.0031	.0017	.0062	.0147	.0004	.0008
%RSD	37.49	2390.	28.85	110.6	408.7	41.66	113.6
#1	.0017	.0001	.0058	.0127	-.0042	.0015	.0014
#2	.0011	-.0030	.0041	.0015	-.0056	.0009	-.0002
#3	.0024	.0032	.0075	.0025	.0206	.0007	.0010

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.0018	.1320	.0072	.0044	Q-.1166	-.0020
SDev	.0059	.0044	.5837	.0280	.0042	.0207	.0114
%RSD	124.6	241.1	442.1	386.6	94.47	17.76	569.6
#1	.0114	.0069	.2806	-.0005	.0091	Q-.1046	-.0114
#2	.0022	-.0000	.6272	.0383	.0013	Q-.1405	.0107
#3	.0005	-.0014	-.5116	-.0160	.0028	Q-.1046	-.0054

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0022	-.0007	-.0023	-.0244	.0052	.0086	Q.0534
SDev	.0006	.0012	.0023	.0266	.0059	.0140	.0050
%RSD	30.00	165.7	99.88	109.2	113.0	162.6	9.293
#1	.0022	.0006	-.0000	-.0020	.0107	.0156	.0478
#2	.0015	-.0014	-.0046	Q-.0538	.0059	-.0075	Q.0572
#3	.0028	-.0014	-.0023	-.0173	-.0010	.0178	Q.0553

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0481	.0000	.0062	.0030	.0012	.0120
SDev	.0071	.0000	.0072	.0018	.0022	.0068
%RSD	14.77	24.51	117.1	60.00	173.2	57.21
#1	Q.0562	.0000	.0142	.0047	.0037	.0197
#2	.0429	.0000	.0004	.0012	.0000	.0094
#3	.0453	.0000	.0038	.0030	.0000	.0068

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Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/03/02 09:22:42
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0063	.0183	-.0008	-.0000	-.00014	.0021	.0059
SDev	.0106	.0121	.0084	.0012	.00013	.0045	.0068
%RSD	167.7	66.14	990.5	6994000.	86.303	217.5	114.6
#1	-.0098	.0320	.0053	-.0014	-.00000	.0072	.0000
#2	-.0147	.0137	.0026	.0007	-.00022	-.0006	.0134
#3	.0056	.0091	-.0104	.0007	-.00021	-.0004	.0044

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0009	.0048	.0032	.0021	.0007	.0008
SDev	.0017	.0022	.0012	.0011	.0225	.0000	.0005
%RSD	72.17	238.5	24.17	32.88	1084.	.0000	66.16
#1	.0011	-.0010	.0041	.0036	.0036	.0007	.0012
#2	.0043	.0005	.0062	.0020	.0237	.0007	.0010
#3	.0017	.0032	.0041	.0041	-.0212	.0007	.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	-.0016	-.0990	.0026	.0039	Q-.1106	-.0207
SDev	.0053	.0067	.3513	.0015	.0045	.0187	.0220
%RSD	126.7	416.3	354.8	59.91	115.4	16.88	106.1
#1	.0054	.0041	-.4126	.0010	.0091	Q-.1046	-.0454
#2	.0087	-.0000	-.1650	.0026	.0013	Q-.1315	-.0134
#3	-.0016	-.0090	.2806	.0041	.0013	Q-.0956	-.0034

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.0003	-.0000	-.0076	-.0042	.0015	.0360
SDev	.0017	.0010	.0023	.0038	.0039	.0043	.0125
%RSD	113.4	304.3	151600.	50.35	93.28	291.1	34.57
#1	.0002	-.0014	.0023	-.0081	-.0019	-.0020	.0330
#2	.0035	-.0004	-.0023	-.0112	-.0019	.0002	.0254
#3	.0009	.0007	-.0000	-.0036	-.0088	.0062	.0497

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0277	.0000	.0126	.0012	.0000	.0045
SDev	.0101	.0000	.0037	.0000	.0000	.0012
%RSD	36.45	114.6	29.10	.0000	114.6	25.75
#1	.0204	.0000	.0127	.0012	.0000	.0042
#2	.0235	.0000	.0162	.0012	.0000	.0058
#3	.0392	.0000	.0089	.0012	.0000	.0036

Method: STD_MTD Sample Name: BL0502 100 Operator: NR1
Run Time: 05/03/02 15:50:06
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0238	.0094	.0164	.0015	.00014	-.0002	.1661
SDev	.0098	.0047	.0045	.0013	.00000	.0001	.0051
%RSD	41.39	50.00	27.23	86.63	1.8230	27.17	3.091
#1	.0149	.0047	.0138	.0030	.00014	-.0002	.1720
#2	.0344	.0094	.0216	.0007	.00014	-.0003	.1631
#3	.0221	.0140	.0138	.0007	.00014	-.0002	.1631

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0192	.0026	.0057	H.0754	.0030	.0056	.0031
SDev	.0011	.0020	.0016	.0021	.0122	.0006	.0003
%RSD	5.903	75.68	28.93	2.774	411.2	10.17	11.07
#1	H.0199	.0044	.0063	H.0730	.0100	.0056	.0033
#2	H.0199	.0029	.0070	H.0766	.0100	.0050	.0033
#3	H.0179	.0005	.0038	H.0766	-.0111	.0062	.0027

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0023	.0166	-.0881	.0159	.0022	.0127	.0094
SDev	.0052	.0044	.2918	.0267	.0044	.0336	.0146
%RSD	229.5	26.79	331.0	167.8	199.8	263.9	154.9
#1	.0068	.0148	.1061	.0467	.0047	.0095	.0188
#2	.0034	.0217	.0531	.0005	.0047	.0478	.0168
#3	-.0034	.0134	-.4236	.0005	-.0029	-.0191	-.0074

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0058	.0032	.0036	-.0023	.0138	.0095
SDev	.0010	.0039	.0037	.0062	.0017	.0086	.0232
%RSD	57.18	67.85	114.7	171.0	74.26	61.94	244.2
#1	.0016	.0103	.0072	.0036	-.0033	.0185	.0218
#2	.0029	.0040	-.0000	-.0026	-.0003	.0039	.0239
#3	.0009	.0030	.0024	.0099	-.0033	.0191	-.0173

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0122	.0008	-.0028	.0018	-.0008	.0015
SDev	.0053	.0005	.0100	.0011	.0000	.0020
%RSD	43.07	57.63	355.5	57.74	.0012	129.2
#1	.0063	.0014	.0086	.0031	-.0008	.0018
#2	.0165	.0006	-.0070	.0012	-.0008	.0034
#3	.0139	.0006	-.0101	.0012	-.0008	-.0005

Method: STD_MTD Sample Name: BL0502S 100 Operator: NR1
Run Time: 05/03/02 15:54:10
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.034	.4958	.4850	1.012	.51120	.5011	10.58
SDev	.029	.0047	.0093	.009	.00449	.0088	.08
%RSD	1.439	.9434	1.915	.9197	.87840	1.755	.7888
#1	2.004	.4958	.4948	1.009	.51069	.4968	10.53
#2	2.036	.5005	.4763	1.005	.50698	.4953	10.53
#3	2.062	.4911	.4840	1.023	.51592	.5112	10.68

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.025	1.055	.9931	12.36	1.019	10.92	1.014
SDev	.007	.009	.0076	.11	.021	.09	.009
%RSD	.7038	.8210	.7691	.8522	2.046	.8527	.8549
#1	1.025	1.050	.9887	12.33	.9949	10.89	1.011
#2	1.018	1.050	.9887	12.28	1.029	10.85	1.008
#3	1.033	1.065	1.002	12.48	1.032	11.03	1.024

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0875	.5240	9.510	.5209	.5151	10.04	.9634
SDev	.0111	.0121	.133	.0083	.0013	.12	.0257
%RSD	12.62	2.317	1.398	1.587	.2583	1.243	2.671
#1	.0766	.5247	9.528	.5114	.5161	9.939	.9465
#2	.0987	.5115	9.633	.5257	.5156	9.997	.9930
#3	.0873	.5358	9.369	.5257	.5136	10.18	.9505

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5063	2.010	1.008	.4630	.5010	5.085	.9967
SDev	.0020	.018	.015	.0171	.0039	.090	.0150
%RSD	.4034	.9177	1.455	3.697	.7862	1.776	1.502
#1	.5045	2.006	.9955	.4744	.5010	5.078	.9972
#2	.5058	1.995	1.005	.4713	.4971	4.998	.9815
#3	.5085	2.031	1.024	L.4433	.5049	5.178	1.011

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9907	.5040	.9900	.9919	1.003	.9829
SDev	.0161	.0050	.0129	.0090	.010	.0105
%RSD	1.621	1.001	1.300	.9118	.9528	1.072
#1	.9858	.5015	.9791	.9877	.9992	.9735
#2	.9776	.5006	.9867	.9858	.9967	.9808
#3	1.009	.5098	1.004	1.002	1.014	.9943

Method: STD_MTD Sample Name: BL0502X 100 Operator: NR1
Run Time: 05/03/02 15:58:13
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.051	.5223	.4718	1.020	.51526	.5034	10.62
SDev	.010	.0328	.0203	.006	.00265	.0052	.04
%RSD	.5070	6.290	4.291	.6331	.51475	1.031	.3891
#1	2.040	.5192	.4553	1.016	.51395	.4974	10.59
#2	2.060	.4911	.4944	1.027	.51831	.5066	10.67
#3	2.054	H.5566	.4657	1.016	.51351	.5061	10.61

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.032	1.061	1.003	12.41	1.021	11.00	1.022
SDev	.008	.003	.004	.06	.025	.05	.005
%RSD	.7490	.3002	.3912	.5197	2.483	.4973	.4798
#1	1.025	1.058	1.001	12.35	.9918	10.96	1.018
#2	1.040	1.064	1.007	12.48	1.032	11.06	1.027
#3	1.030	1.062	1.001	12.40	1.038	10.98	1.020

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0885	.5152	10.08	.5321	.5189	10.12	.9781
SDev	.0054	.0116	.46	.0388	.0032	.03	.0095
%RSD	6.109	2.259	4.591	7.292	.6233	.2726	.9763
#1	.0851	.5254	10.59	H.5767	.5176	10.10	.9889
#2	.0856	.5178	9.687	.5129	.5226	10.15	.9748
#3	.0947	.5025	9.952	.5065	.5166	10.10	.9707

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5103	2.024	1.015	.4874	.5023	5.111	1.017
SDev	.0010	.009	.010	.0466	.0046	.026	.027
%RSD	.2002	.4507	1.032	9.557	.9053	.5162	2.641
#1	.5092	2.014	1.003	.5008	.4971	5.080	1.008
#2	.5112	2.032	1.022	.5257	.5049	5.125	.9959
#3	.5105	2.025	1.020	L.4355	.5049	5.127	1.047

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9978	.5081	.9956	.9962	1.010	.9907
SDev	.0077	.0029	.0120	.0053	.007	.0069
%RSD	.7714	.5654	1.206	.5313	.7108	.6922
#1	.9928	.5064	.9825	.9932	1.004	.9870
#2	1.007	.5114	.9981	1.002	1.018	.9986
#3	.9940	.5064	1.006	.9932	1.008	.9864

Method: STD_MTD Sample Name: ERA249 100 Operator: NR1
Run Time: 05/03/02 16:04:10
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	67.45	.3804	1.371	8.180	.99637	.5807	130.9
SDev	.85	.0231	.014	.102	.01261	.0055	1.3
%RSD	1.258	6.065	.9893	1.242	1.2659	.9404	1.005
#1	66.49	.3648	1.369	8.065	.98234	.5775	129.5
#2	67.74	.4069	1.359	8.218	1.0000	.5776	131.2
#3	68.11	.3695	1.386	8.257	1.0068	.5870	132.1

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.523	.5526	1.601	135.6	.5394	27.28	4.503
SDev	.014	.0038	.021	1.3	.0066	.31	.053
%RSD	.9263	.6923	1.329	.9274	1.214	1.152	1.175
#1	1.507	.5485	1.577	134.6	.5344	26.93	4.444
#2	1.528	.5532	1.608	135.2	.5468	27.37	4.518
#3	1.534	.5561	1.617	137.0	.5370	27.54	4.547

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0189	.6113	32.61	.6660	1.478	7.593	1.162
SDev	.0051	.0055	.43	.0261	.018	.117	.044
%RSD	27.16	.8996	1.324	3.927	1.200	1.542	3.754
#1	.0197	.6175	32.91	.6946	1.458	7.459	1.121
#2	.0237	.6071	32.12	.6433	1.482	7.640	1.208
#3	.0135	.6092	32.81	.6602	1.493	7.678	1.158

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3437	6.433	.7168	-.0452	1.260	10.96	6.640
SDev	.0014	.074	.0132	.0203	.016	.14	.162
%RSD	.4034	1.150	1.846	44.88	1.302	1.259	2.444
#1	.3423	6.350	.7032	-.0454	1.241	10.80	6.455
#2	.3437	6.456	.7176	-.0654	1.265	11.02	6.708
#3	.3451	6.493	.7296	-.0248	1.273	11.06	6.757

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.596	.8194	.8274	1.439	.0752	.0647
SDev	.096	.0102	.0182	.016	.0000	.0070
%RSD	1.113	1.245	2.201	1.144	.0035	10.78
#1	8.507	.8078	.8089	1.420	.0752	.0726
#2	8.586	.8236	.8454	1.445	.0752	.0621
#3	8.697	.8269	.8280	1.452	.0752	.0594

Method: STD_MTD Sample Name: 022743 100 Operator: NR1
Run Time: 05/03/02 16:08:13
[redacted]mment: 0502 SSX1 DG3050B
[redacted]de: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	125.0	.0265	.1013	.7370	.00597	.0050	26.96
SDev	.8	.0164	.0135	.0046	.00021	.0050	.22
%RSD	.6730	61.97	13.36	.6314	3.6037	99.91	.8315
#1	124.0	.0281	.1153	.7318	.00576	.0108	26.70
#2	125.6	.0421	.0883	.7407	.00619	.0022	27.08
#3	125.3	.0094	.1003	.7385	.00597	.0020	27.09

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1488	.0816	.4244	259.9	.4979	31.15	5.579
SDev	.0013	.0001	.0043	4.5	.0083	.21	.040
%RSD	.8426	.0842	1.008	1.726	1.668	.6890	.7099
#1	.1480	.0815	.4195	254.7	.4884	30.90	5.534
#2	.1483	.0816	.4275	262.8	.5016	31.29	5.607
#3	.1503	.0816	.4261	262.1	.5037	31.26	5.597

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	.0005	.1328	9.257	L-.1013	.0003	.4412	.0579
[redacted]Dev	.0049	.0052	.836	.0217	.0028	.0049	.0156
%RSD	900.2	3.916	9.028	21.44	886.9	1.109	26.90
#1	L-.0028	.1298	9.704	L-.0766	.0005	.4396	.0403
#2	L-.0017	.1388	8.293	L-.1177	L-.0025	.4468	.0638
#3	.0062	.1298	9.775	L-.1095	.0030	.4374	.0697

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2847	.8941	.0255	L-.0641	.0159	3.814	1.976
SDev	.0019	.0044	.0014	.0373	.0026	.021	.057
%RSD	.6506	.4939	5.442	58.11	16.33	.5536	2.860
#1	.2827	.8891	.0263	L-.0645	.0179	3.791	1.911
#2	.2851	.8976	.0263	L-.1012	.0169	3.832	2.001
#3	.2864	.8956	.0239	L-.0267	.0130	3.819	2.015

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.111	.2404	.0340	.9950	.0598	.0398
SDev	.039	.0017	.0116	.0066	.0000	.0011
%RSD	.4332	.6905	34.00	.6644	.0007	2.664
#1	9.070	.2388	.0437	.9877	.0598	.0390
#2	9.116	.2421	.0370	1.000	.0598	.0393
[redacted]	9.148	.2405	.0212	.9968	.0598	.0410

Method: STD_MTD Sample Name: 022743D 100 Operator: NR1
Run Time: 05/03/02 16:12:17
[redacted]mment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	122.8	.0078	.0924	.7266	.00577	.0013	26.52
SDev	2.1	.0357	.0099	.0123	.00021	.0015	.35
%RSD	1.672	458.3	10.76	1.695	3.6964	112.7	1.306
#1	120.6	.0468	.0864	.7139	.00555	L-.0004	26.16
#2	124.7	L-.0234	.1039	.7385	.00598	.0020	26.85
#3	123.0	L-.0000	.0869	.7273	.00576	.0023	26.55

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1457	.0804	.4009	255.0	.4469	30.78	5.652
SDev	.0014	.0014	.0056	1.0	.0159	.44	.087
%RSD	.9347	1.744	1.390	.3741	3.565	1.436	1.535
#1	.1447	.0792	.3955	254.7	.4294	30.33	5.562
#2	.1473	.0819	.4066	254.2	.4508	31.21	5.735
#3	.1452	.0802	.4007	256.0	.4605	30.80	5.658

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	.0013	.1402	8.927	L-.0564	.0040	.4397	.0311
[redacted]Dev	.0047	.0112	.839	.0077	.0061	.0166	.0175
%RSD	359.3	7.954	9.394	13.58	153.4	3.777	56.41
#1	.0051	.1388	8.008	L-.0475	.0110	.4496	.0121
#2	.0028	.1520	9.650	L-.0606	L-.0000	.4205	.0343
#3	L-.0040	.1298	9.124	L-.0610	.0010	.4489	.0467

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2799	.8653	.0327	L-.0498	.0130	3.730	1.934
SDev	.0022	.0116	.0037	.0391	.0039	.077	.029
%RSD	.7676	1.344	11.23	78.48	30.39	2.052	1.486
#1	.2774	.8535	.0335	L-.0077	.0090	3.650	1.902
#2	.2814	.8767	.0287	L-.0566	.0169	3.802	1.958
#3	.2808	.8658	.0359	L-.0849	.0130	3.737	1.942

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.313	.2366	.0354	.9082	.0598	.0372
SDev	.111	.0042	.0033	.0138	.0000	.0005
%RSD	1.514	1.766	9.430	1.515	.0012	1.352
#1	7.202	.2321	.0319	.8941	.0598	.0367
#2	7.423	.2404	.0386	.9216	.0598	.0377
[redacted]	7.315	.2371	.0357	.9088	.0598	.0373

Method: STD_MTD Sample Name: 022743S 100 Operator: NR1
Run Time: 05/03/02 16:17:05
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	143.4	.2993	.5817	1.701	.50606	.4913	36.28
SDev	1.1	.0169	.0250	.016	.00413	.0052	.19
%RSD	.7561	5.634	4.303	.9234	.81662	1.052	.5346
#1	143.3	.3134	.6076	1.702	.50606	.4880	36.30
#2	142.4	.3040	.5576	1.684	.50193	.4887	36.07
#3	144.5	.2806	.5800	1.716	.51019	.4973	36.46

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.143	1.105	1.358	268.3	1.408	42.26	6.487
SDev	.007	.006	.011	3.6	.004	.26	.043
%RSD	.6028	.5321	.8133	1.332	.2793	.6148	.6684
#1	1.142	1.106	1.356	264.2	1.409	42.26	6.489
#2	1.136	1.099	1.348	270.4	1.411	42.00	6.442
#3	1.150	1.111	1.370	270.3	1.404	42.52	6.529

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0898	.6494	18.56	.4153	.4902	10.15	.9789
SDev	.0016	.0092	.71	.0171	.0040	.09	.0342
%RSD	1.831	1.411	3.810	4.108	.8214	.8918	3.492
#1	.0907	.6529	17.80	.4246	.4943	10.19	.9917
#2	.0908	.6390	18.71	.3956	.4862	10.05	1.005
#3	.0879	.6563	19.19	.4257	.4902	10.22	.9401

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7849	2.915	.8336	.4389	.4900	7.657	2.970
SDev	.0050	.018	.0073	.0343	.0044	.047	.046
%RSD	.6372	.6016	.8795	7.804	.9068	.6181	1.544
#1	.7849	2.915	.8320	.4719	.4897	7.618	3.015
#2	.7798	2.898	.8272	.4036	.4858	7.645	2.970
#3	.7898	2.933	.8416	.4413	.4946	7.710	2.923

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.419	.7289	.9331	1.221	1.033	.1712
SDev	.056	.0063	.0090	.009	.008	.0029
%RSD	.7492	.8591	.9632	.7511	.7469	1.725
#1	7.425	.7297	.9373	1.221	1.035	.1678
#2	7.361	.7223	.9228	1.211	1.025	.1728
#3	7.471	.7347	.9392	1.230	1.040	.1731

Method: STD_MTD Sample Name: 022743X 100 Operator: NR1
Run Time: 05/03/02 16:21:08
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	147.6	.3165	.5619	1.751	.52025	.5097	37.29
SDev	.5	.0435	.0087	.008	.00235	.0062	.08
%RSD	.3236	13.73	1.546	.4531	.45181	1.211	.2075
#1	148.0	.3368	.5717	1.759	.52127	.5027	37.36
#2	147.9	.3461	.5589	1.749	.52191	.5145	37.31
#3	147.1	.2666	.5551	1.743	.51756	.5119	37.21

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.173	1.129	1.388	277.5	1.462	43.26	6.575
SDev	.002	.002	.004	3.0	.010	.13	.023
%RSD	.1632	.1520	.2574	1.089	.6775	.3021	.3546
#1	1.172	1.130	1.387	274.9	1.473	43.34	6.592
#2	1.176	1.130	1.392	276.8	1.454	43.34	6.586
#3	1.172	1.127	1.385	280.8	1.460	43.11	6.549

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0854	.6723	19.70	.3927	.5032	10.45	1.002
SDev	.0036	.0042	1.36	.0286	.0028	.04	.012
%RSD	4.218	.6269	6.902	7.275	.5509	.3358	1.212
#1	.0896	.6674	18.14	.3951	.5033	10.46	1.011
#2	.0833	.6743	20.63	.4200	.5058	10.48	1.006
#3	.0833	.6750	20.33	.3630	.5003	10.41	.9881

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8104	2.981	.8680	.4983	.5065	7.927	3.003
SDev	.0028	.007	.0105	.0095	.0043	.069	.087
%RSD	.3439	.2409	1.207	1.896	.8476	.8696	2.913
#1	.8081	2.981	.8800	.5044	.5084	7.868	2.983
#2	.8135	2.988	.8632	.5029	.5094	8.003	3.099
#3	.8096	2.973	.8608	.4874	.5015	7.909	2.928

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.319	.7497	.9384	1.313	1.060	.1773
SDev	.037	.0038	.0137	.005	.005	.0017
%RSD	.4424	.5070	1.463	.4032	.4766	.9538
#1	8.310	.7530	.9428	1.316	1.065	.1754
#2	8.359	.7505	.9494	1.316	1.060	.1787
#3	8.287	.7455	.9230	1.307	1.055	.1777

Method: STD_MTD Sample Name: 022744 100 Operator: NR1
Run Time: 05/03/02 16:27:05
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	67.40	.1996	.1982	1.093	.00534	.0366	89.09
SDev	.37	.0177	.0305	.006	.00013	.0022	.53
%RSD	.5479	8.873	15.38	.5903	2.3428	6.140	.5987
#1	67.16	.1918	.2308	1.089	.00526	.0343	88.86
#2	67.21	.2198	.1704	1.089	.00526	.0388	88.71
#3	67.82	.1871	.1934	1.101	.00548	.0367	89.70

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2174	.0729	14.32	224.6	27.78	19.36	6.517
SDev	.0014	.0009	.08	.8	.18	.11	.037
%RSD	.6414	1.288	.5593	.3477	.6448	.5511	.5635
#1	.2158	.0723	14.25	225.5	27.73	19.30	6.500
#2	.2185	.0724	14.29	224.2	27.64	19.29	6.492
#3	.2178	.0740	14.41	224.1	27.99	19.48	6.560

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	.3727	7.798	L-.0278	.0108	4.127	.0065
SDev	.0029	.0060	.294	.0268	.0020	.025	.0092
%RSD	65.22	1.603	3.765	96.40	18.88	.6172	142.6
#1	.0069	.3792	7.535	L-.0158	.0119	4.098	.0046
#2	.0052	.3716	8.115	L-.0091	.0084	4.137	L-.0017
#3	.0012	.3674	7.744	L-.0585	.0119	4.146	.0165

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2196	17.76	.1072	.0789	.0315	10.94	14.36
SDev	.0004	.10	.0037	.0116	.0065	.09	.08
%RSD	.1675	.5769	3.423	14.72	20.49	.7810	.5332
#1	.2194	17.69	.1032	.0794	.0325	10.85	14.41
#2	.2194	17.72	.1080	.0902	.0246	10.96	14.27
#3	.2200	17.88	.1104	.0670	.0374	11.02	14.40

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.786	.4448	4.295	1.307	.0515	.0199
SDev	.048	.0024	.036	.008	.0019	.0026
%RSD	.7073	.5394	.8400	.6116	3.745	13.26
#1	6.751	.4434	4.265	1.301	.0511	.0225
#2	6.765	.4434	4.285	1.303	.0498	.0199
#3	6.841	.4475	4.335	1.316	.0536	.0172

Method: STD_MTD Sample Name: 022745 100 Operator: NR1
Run Time: 05/03/02 16:31:08
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	134.8	.0125	.0885	.8995	.00672	L-.0018	22.83
SDev	2.5	.0118	.0324	.0205	.00012	.0023	.35
%RSD	1.876	94.37	36.58	2.278	1.7294	127.9	1.536
#1	132.7	.0140	.0514	.8816	.00658	.0008	22.50
#2	134.2	L-.0000	.1111	.8950	.00679	L-.0028	22.80
#3	137.6	.0234	.1031	.9219	.00678	L-.0036	23.19

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1566	.1000	.2845	285.4	.2516	35.23	5.156
SDev	.0039	.0030	.0034	4.4	.0114	.56	.089
%RSD	2.460	3.001	1.207	1.545	4.525	1.597	1.735
#1	.1522	.0967	.2806	282.3	.2396	34.74	5.077
#2	.1587	.1024	.2862	283.5	.2529	35.11	5.137
#3	.1590	.1010	.2869	290.5	.2622	35.85	5.253

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0047	.1873	10.81	L-.1051	L-.0018	3.668	L-.0195
SDev	.0126	.0067	.52	.0100	.0047	.059	.0482
%RSD	270.4	3.567	4.812	9.479	255.9	1.614	247.1
#1	L-.0023	.1797	10.99	L-.1071	L-.0040	3.634	L-.0153
#2	.0192	.1901	11.21	L-.1140	.0035	3.633	L-.0696
#3	L-.0029	.1921	10.22	L-.0944	L-.0050	3.736	.0264

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3065	.9615	.0295	L-.0528	.0104	3.128	1.425
SDev	.0049	.0141	.0084	.0135	.0023	.059	.052
%RSD	1.588	1.466	28.65	25.53	21.80	1.899	3.676
#1	.3019	.9495	.0383	L-.0477	.0091	3.130	1.393
#2	.3060	.9581	.0215	L-.0426	.0130	3.067	1.398
#3	.3116	.9770	.0287	L-.0681	.0091	3.186	1.486

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.703	.2056	.0036	1.052	.0998	.0366
SDev	.107	.0042	.0016	.020	.0007	.0010
%RSD	1.387	2.018	45.15	1.927	.7311	2.752
#1	7.601	.2014	.0054	1.033	.0990	.0377
#2	7.695	.2056	.0024	1.050	.1002	.0364
#3	7.814	.2097	.0029	1.074	.1002	.0357

Method: STD_MTD Sample Name: 022746 100 Operator: NR1
Run Time: 05/03/02 16:35:12
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	78.86	.1123	.1275	.7614	.00547	.0253	80.61
SDev	.41	.0214	.0122	.0034	.00001	.0002	.29
%RSD	.5158	19.09	9.568	.4484	.13828	.6966	.3591
#1	78.56	.1076	.1396	.7585	.00548	.0252	80.33
#2	79.32	.1356	.1276	.7652	.00547	.0253	80.91
#3	78.70	.0935	.1152	.7607	.00548	.0255	80.59

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1945	.0572	7.893	199.4	17.16	26.37	3.940
SDev	.0016	.0010	.046	1.5	.02	.10	.016
%RSD	.8266	1.691	.5802	.7462	.0940	.3872	.4075
#1	.1928	.0583	7.860	198.6	17.14	26.29	3.928
#2	.1948	.0567	7.946	198.5	17.17	26.49	3.958
#3	.1960	.0565	7.875	201.1	17.18	26.34	3.933

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.3062	8.671	L-.0499	.0099	.6833	.0028
SDev	.0050	.0028	.614	.0220	.0021	.0057	.0381
%RSD	745.0	.9144	7.086	44.10	21.13	.8422	1374.
#1	.0046	.3058	8.016	L-.0289	.0082	.6899	.0100
#2	.0024	.3037	9.234	L-.0480	.0092	.6803	L-.0384
#3	L-.0050	.3092	8.763	L-.0727	.0123	.6797	.0367

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2225	9.916	.0872	L-.0135	.0221	11.52	13.93
SDev	.0030	.037	.0028	.0221	.0023	.06	.08
%RSD	1.349	.3745	3.181	163.4	10.30	.5421	.5481
#1	.2196	9.888	.0888	.0014	.0208	11.45	13.85
#2	.2256	9.958	.0840	L-.0388	.0247	11.54	13.98
#3	.2224	9.903	.0888	L-.0031	.0208	11.57	13.98

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.866	.4897	2.643	1.224	.0654	.0188
SDev	.036	.0022	.018	.007	.0007	.0005
%RSD	.5214	.4485	.6677	.5400	1.114	2.680
#1	6.836	.4881	2.641	1.219	.0662	.0182
#2	6.906	.4922	2.661	1.232	.0650	.0189
#3	6.856	.4889	2.626	1.222	.0650	.0192

Method: STD_MTD Sample Name: 022747 100 Operator: NR1
Run Time: 05/03/02 16:39:16
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	119.0	.0359	.0748	.7467	.00602	.0080	19.51
SDev	1.4	.0211	.0262	.0101	.00000	.0021	.16
%RSD	1.146	58.82	34.99	1.350	.02498	26.40	.8146
#1	119.5	.0374	.0453	.7475	.00602	.0102	19.45
#2	120.0	.0561	.0839	.7564	.00602	.0060	19.69
#3	117.5	.0140	.0952	.7363	.00602	.0077	19.39

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1449	.0630	.2247	231.1	.1843	26.47	4.515
SDev	.0025	.0019	.0011	1.6	.0129	.25	.047
%RSD	1.727	3.072	.4981	.7116	7.019	.9283	1.042
#1	.1439	.0622	.2238	229.4	.1712	26.53	4.521
#2	.1431	.0616	.2242	232.7	.1971	26.69	4.559
#3	.1478	.0652	.2259	231.2	.1845	26.20	4.465

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0002	.1326	7.859	L-.0982	L-.0026	.3578	.0004
SDev	.0096	.0138	.479	.0294	.0038	.0112	.0069
%RSD	5782.	10.44	6.095	29.98	148.3	3.131	1758.
#1	.0108	.1416	7.785	L-.0860	L-.0069	.3518	.0075
#2	L-.0039	.1395	7.422	L-.1318	L-.0009	.3508	L-.0000
#3	L-.0073	.1166	8.371	L-.0768	.0001	.3707	L-.0063

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2650	.5719	.0199	L-.0282	.0086	2.842	1.079
SDev	.0006	.0062	.0014	.0547	.0034	.029	.042
%RSD	.2251	1.088	6.949	194.3	39.94	1.032	3.887
#1	.2656	.5734	.0191	L-.0012	.0090	2.821	1.125
#2	.2644	.5772	.0191	L-.0911	.0050	2.875	1.068
#3	.2650	.5650	.0215	.0078	.0119	2.829	1.043

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.698	.2133	L-.0094	.8893	.0606	.0332
SDev	.036	.0025	.0122	.0104	.0015	.0025
%RSD	.5343	1.188	129.7	1.172	2.405	7.456
#1	6.715	.2138	L-.0090	.8923	.0598	.0331
#2	6.722	.2155	L-.0219	.8978	.0623	.0308
#3	6.657	.2105	.0026	.8776	.0598	.0357

Method: STD_MTD Sample Name: 022748 100 Operator: NR1
Run Time: 05/03/02 16:43:19
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	68.15	.2666	.2197	1.013	.00635	.0365	82.28
SDev	.59	.0162	.0081	.010	.00000	.0020	.60
%RSD	.8615	6.077	3.697	.9616	.05218	5.436	.7260
#1	68.59	.2572	.2112	1.020	.00635	.0381	82.71
#2	67.49	.2572	.2275	1.002	.00635	.0343	81.60
#3	68.38	.2853	.2203	1.018	.00635	.0371	82.54

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2119	.0713	20.33	228.0	29.12	18.85	5.217
SDev	.0025	.0015	.20	2.0	.14	.15	.042
%RSD	1.187	2.107	.9748	.8880	.4641	.7730	.7996
#1	.2148	.0729	20.47	227.4	29.25	18.97	5.248
#2	.2100	.0700	20.10	230.2	28.98	18.69	5.170
#3	.2109	.0711	20.42	226.3	29.14	18.90	5.233

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0060	.3790	6.941	L-.0442	.0203	2.456	L-.0215
SDev	.0047	.0038	.160	.0206	.0038	.037	.0153
%RSD	79.62	1.007	2.301	46.67	18.62	1.493	71.27
#1	.0114	.3834	6.799	L-.0218	.0166	2.472	L-.0391
#2	.0035	.3771	6.911	L-.0624	.0242	2.414	L-.0144
#3	.0029	.3764	7.114	L-.0485	.0201	2.482	L-.0110

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2218	13.48	.0952	.0833	.0315	13.92	16.08
SDev	.0013	.09	.0014	.0413	.0017	.09	.14
%RSD	.5926	.6499	1.455	49.64	5.420	.6401	.8927
#1	.2228	13.54	.0960	.0378	.0325	13.99	16.19
#2	.2203	13.38	.0936	.1185	.0295	13.82	15.91
#3	.2221	13.51	.0960	.0936	.0325	13.95	16.13

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.626	.6028	4.520	1.392	.0549	.0137
SDev	.045	.0060	.046	.012	.0000	.0010
%RSD	.6728	.9961	1.024	.8769	.0022	7.332
#1	6.668	.6067	4.556	1.400	.0549	.0146
#2	6.579	.5959	4.468	1.378	.0549	.0139
#3	6.632	.6058	4.537	1.398	.0549	.0126

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Method: STD_MTD Sample Name: 022748 100 Operator: NR1
Run Time: 05/03/02 16:43:19
[redacted]mment: 0502 SSX1 DG3050B
[redacted]de: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	68.15	.2666	.2197	1.013	.00635	.0365	82.28
SDev	.59	.0162	.0081	.010	.00000	.0020	.60
%RSD	.8615	6.077	3.697	.9616	.05218	5.436	.7260
#1	68.59	.2572	.2112	1.020	.00635	.0381	82.71
#2	67.49	.2572	.2275	1.002	.00635	.0343	81.60
#3	68.38	.2853	.2203	1.018	.00635	.0371	82.54

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2119	.0713	20.33	228.0	29.12	18.85	5.217
SDev	.0025	.0015	.20	2.0	.14	.15	.042
%RSD	1.187	2.107	.9748	.8880	.4641	.7730	.7996
#1	.2148	.0729	20.47	227.4	29.25	18.97	5.248
#2	.2100	.0700	20.10	230.2	28.98	18.69	5.170
#3	.2109	.0711	20.42	226.3	29.14	18.90	5.233

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	.0060	.3790	6.941	L-.0442	.0203	2.456	L-.0215
[redacted]Dev	.0047	.0038	.160	.0206	.0038	.037	.0153
%RSD	79.62	1.007	2.301	46.67	18.62	1.493	71.27
#1	.0114	.3834	6.799	L-.0218	.0166	2.472	L-.0391
#2	.0035	.3771	6.911	L-.0624	.0242	2.414	L-.0144
#3	.0029	.3764	7.114	L-.0485	.0201	2.482	L-.0110

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2218	13.48	.0952	.0833	.0315	13.92	16.08
SDev	.0013	.09	.0014	.0413	.0017	.09	.14
%RSD	.5926	.6499	1.455	49.64	5.420	.6401	.8927
#1	.2228	13.54	.0960	.0378	.0325	13.99	16.19
#2	.2203	13.38	.0936	.1185	.0295	13.82	15.91
#3	.2221	13.51	.0960	.0936	.0325	13.95	16.13

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.626	.6028	4.520	1.392	.0549	.0137
SDev	.045	.0060	.046	.012	.0000	.0010
%RSD	.6728	.9961	1.024	.8769	.0022	7.332
#1	6.668	.6067	4.556	1.400	.0549	.0146
#2	6.579	.5959	4.468	1.378	.0549	.0139
[redacted]	6.632	.6058	4.537	1.398	.0549	.0126

Method: STD_MTD Sample Name: 022749 100 Operator: NR1
Run Time: 05/03/02 16:47:23
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	120.3	.0094	.0978	.6983	.00573	.0052	20.31
SDev	1.1	.0260	.0147	.0067	.00012	.0071	.10
%RSD	.8829	278.4	15.02	.9606	2.1271	138.6	.5033
#1	119.2	.0327	.1143	.6916	.00559	.0082	20.20
#2	121.3	.0140	.0925	.7050	.00580	.0103	20.40
#3	120.5	L-.0187	.0864	.6983	.00580	L-.0030	20.34

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1423	.0724	.7032	244.1	.8230	28.98	4.397
SDev	.0019	.0023	.0086	1.4	.0193	.19	.032
%RSD	1.369	3.129	1.216	.5684	2.343	.6672	.7356
#1	.1402	.0748	.6959	242.6	.8444	28.77	4.363
#2	.1440	.0722	.7126	244.5	.8174	29.15	4.427
#3	.1427	.0702	.7011	245.3	.8071	29.01	4.401

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0017	.1425	8.088	L-.0837	.0005	1.211	.0456
SDev	.0020	.0064	.794	.0166	.0041	.011	.0104
%RSD	121.6	4.492	9.820	19.81	904.4	.9364	22.94
#1	L-.0039	.1388	7.184	L-.0661	.0041	1.218	.0574
#2	L-.0011	.1499	8.672	L-.0861	L-.0039	1.217	.0416
#3	.0000	.1388	8.409	L-.0990	.0011	1.198	.0377

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2647	.9720	.0247	L-.0331	.0129	4.069	2.138
SDev	.0016	.0061	.0050	.0201	.0039	.052	.015
%RSD	.6037	.6254	20.23	60.83	30.39	1.274	.6970
#1	.2629	.9679	.0287	L-.0194	.0169	4.011	2.142
#2	.2656	.9790	.0263	L-.0562	.0130	4.083	2.150
#3	.2657	.9692	.0191	L-.0237	.0090	4.112	2.121

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.575	.2329	.1152	1.005	.0527	.0345
SDev	.051	.0025	.0198	.010	.0007	.0013
%RSD	.7701	1.068	17.16	1.004	1.385	3.617
#1	6.524	.2304	.0989	.9950	.0522	.0350
#2	6.625	.2354	.1372	1.015	.0522	.0354
#3	6.576	.2329	.1095	1.006	.0535	.0331

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Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/03/02 16:53:19
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.025	.0249	.9829	2.007	1.0158	1.016	21.35
SDev	.036	.0071	.0077	.027	.0110	.008	.24
%RSD	.8925	28.64	.7867	1.370	1.0787	.8159	1.131
#1	4.006	.0327	.9787	1.997	1.0110	1.012	21.27
#2	4.002	.0234	.9918	1.985	1.0081	1.012	21.16
#3	4.066	.0187	.9782	2.038	1.0284	1.026	21.62

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.057	2.122	1.967	4.113	2.046	19.88	2.049
SDev	.025	.023	.024	.041	.025	.22	.024
%RSD	1.199	1.103	1.225	.9906	1.210	1.110	1.173
#1	2.049	2.118	1.955	4.094	2.053	19.79	2.039
#2	2.038	2.102	1.951	4.085	2.019	19.71	2.031
#3	2.085	2.148	1.994	4.160	2.067	20.13	2.076

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4315	1.049	19.46	1.002	1.013	19.99	2.108
SDev	.0147	.024	.40	.014	.013	.27	.051
%RSD	3.419	2.296	2.041	1.435	1.237	1.366	2.428
#1	.4280	1.071	19.69	1.001	1.007	19.88	2.049
#2	.4189	1.024	19.69	1.017	1.005	19.80	2.130
#3	.4477	1.053	19.00	.9886	1.027	20.31	2.144

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	4.070	2.023	1.015	-.0044	10.24	.0621
SDev	.012	.043	.027	.017	.0028	.06	.0470
%RSD	1.162	1.054	1.349	1.709	65.31	.6322	75.60
#1	1.017	4.051	2.001	1.022	-.0027	10.22	.1113
#2	1.012	4.039	2.015	.9957	-.0076	10.19	.0575
#3	1.035	4.119	2.053	1.028	-.0027	10.32	.0177

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0076	.9974	-.0043	.0031	2.011	-.0054
SDev	.0046	.0138	.0128	.0000	.026	.0012
%RSD	60.09	1.384	295.9	.0000	1.307	21.50
#1	.0127	.9916	.0089	.0031	2.003	-.0042
#2	.0063	.9875	-.0166	.0031	1.990	-.0055
#3	.0038	1.013	-.0052	.0031	2.041	-.0065

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Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/03/02 16:57:19
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0244	.9900	.0020	-.0015	-.00014	.0084	-.0253
SDev	.0304	.0231	.0122	.0000	.00012	.0005	.0051
%RSD	124.9	2.330	596.6	.0010	88.762	5.801	20.27
#1	.0532	.9635	.0158	-.0015	-.00007	.0085	-.0193
#2	-.0074	1.006	-.0073	-.0015	-.00028	.0089	-.0282
#3	.0272	1.001	-.0023	-.0015	-.00006	.0079	-.0282

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	.0009	-.0006	20.84	-.0041	2.050	-.0001
SDev	.0019	.0016	.0022	.16	.0046	.014	.0003
%RSD	88.96	172.5	381.1	.7697	113.7	.6903	337.4
#1	.0001	.0026	.0007	20.65	-.0051	2.034	.0002
#2	-.0032	.0007	-.0031	20.95	.0010	2.061	-.0004
#3	-.0032	-.0005	.0007	20.92	-.0081	2.055	-.0000

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	.0037	-1.272	-.0070	.0164	.0419	-.1209
SDev	.0070	.0109	.505	.0373	.0041	.0253	.0218
%RSD	79.28	294.7	39.72	535.6	24.79	60.41	18.00
#1	.0051	-.0039	-.9545	.0260	.0208	.0707	-.1115
#2	.0170	.0162	-1.007	-.0474	.0157	.0228	-.1458
#3	.0045	-.0012	-1.854	.0005	.0127	.0324	-.1054

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0038	-.0036	.0024	-.0184	1.014	.0136	1.970
SDev	.0023	.0016	.0042	.0326	.014	.0036	.026
%RSD	61.92	45.93	173.3	177.5	1.414	26.06	1.319
#1	-.0016	-.0021	.0048	-.0438	.9978	.0096	1.940
#2	-.0062	-.0053	-.0024	.0184	1.020	.0148	1.979
#3	-.0035	-.0032	.0048	-.0298	1.024	.0164	1.989

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.022	-.0000	2.063	2.003	-.0008	1.995
SDev	.018	.0005	.021	.017	.0000	.019
%RSD	.9118	189400.	.9969	.8354	.0012	.9688
#1	2.001	-.0003	2.043	1.983	-.0008	1.973
#2	2.036	-.0003	2.062	2.014	-.0008	2.009
#3	2.030	.0006	2.084	2.011	-.0008	2.003

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/03/02 17:03:13
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0356	-.0000	.0007	.0000	-.00007	-.0000	-.0030
SDev	.0235	.0187	.0051	.0013	.00000	.0001	.0026
%RSD	65.87	29e9	766.5	14e6	5.9372	765.0	85.30
#1	.0092	-.0000	-.0044	.0007	-.00007	.0001	-.0059
#2	Q.0539	-.0187	.0006	.0007	-.00008	-.0000	-.0015
#3	Q.0438	.0187	.0058	Q-.0015	-.00008	-.0001	-.0015

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0003	.0021	.0029	-.0061	.0004	.0001
SDev	.0015	.0023	.0007	.0022	.0179	.0002	.0003
%RSD	115.5	878.6	33.33	73.47	294.4	43.30	459.1
#1	.0022	-.0014	.0014	.0005	-.0141	.0005	.0003
#2	.0022	-.0006	.0028	.0036	-.0187	.0005	-.0003
#3	-.0004	.0029	.0021	.0047	.0145	.0002	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.0018	-.4591	.0122	.0010	.0574	.0027
SDev	.0077	.0049	.8092	.0145	.0006	.0253	.0161
%RSD	510.0	262.5	176.3	118.4	57.74	44.10	599.7
#1	.0096	-.0039	.4238	.0181	.0007	.0382	-.0135
#2	.0006	.0037	-.6357	.0228	.0017	.0860	.0027
#3	-.0057	-.0053	Q-1.165	-.0043	.0007	.0478	.0188

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0000	-.0008	.0026	-.0003	-.0026	-.0078
SDev	.0018	.0010	.0028	.0385	.0026	.0048	.0398
%RSD	198.4	36330.	345.8	1483.	794.3	182.3	509.1
#1	-.0011	-.0010	-.0024	-.0041	.0007	-.0062	-.0431
#2	.0016	-.0000	-.0024	.0441	-.0033	.0028	-.0157
#3	.0022	.0011	.0024	-.0321	.0016	-.0045	.0353

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.0003	-.0042	.0012	-.0004	.0012
SDev	.0067	.0005	.0113	.0000	.0015	.0007
%RSD	105.8	173.2	270.3	.0000	346.4	56.77
#1	.0038	.0006	-.0173	.0012	Q-.0021	.0014
#2	.0013	.0006	.0025	.0012	.0004	.0004
#3	.0139	-.0003	.0022	.0012	.0004	.0018

Method: STD_MTD Sample Name: 022750 100 Operator: NR1
Run Time: 05/03/02 17:07:14
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	118.5	.0327	.0796	.6871	.00596	.0091	20.60
SDev	1.1	.0094	.0193	.0081	.00013	.0008	.14
%RSD	.9322	28.57	24.29	1.173	2.1626	8.834	.6903
#1	118.1	.0327	.0793	.6849	.00603	.0097	20.54
#2	119.8	.0234	.0990	.6960	.00581	.0094	20.76
#3	117.7	.0421	.0604	.6804	.00603	.0081	20.50

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1390	.0699	.7853	235.7	.8937	27.87	4.781
SDev	.0019	.0017	.0067	1.1	.0099	.23	.040
%RSD	1.405	2.463	.8600	.4847	1.105	.8090	.8387
#1	.1371	.0704	.7819	234.9	.8876	27.79	4.767
#2	.1410	.0680	.7930	235.2	.9051	28.13	4.826
#3	.1390	.0713	.7808	237.0	.8884	27.70	4.750

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0041	.1413	7.960	L-.0638	.0001	1.217	.0274
SDev	.0090	.0076	.348	.0359	.0000	.022	.0242
%RSD	219.0	5.400	4.367	56.29	4.279	1.832	88.32
#1	L-.0017	.1339	7.640	L-.0540	.0001	1.230	.0509
#2	L-.0141	.1492	8.330	L-.1036	.0001	1.230	.0025
#3	.0034	.1409	7.910	L-.0339	.0001	1.191	.0290

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2619	1.003	.0191	L-.0063	.0156	4.090	2.229
SDev	.0013	.008	.0042	.0390	.0023	.031	.041
%RSD	.4946	.7939	21.77	617.5	14.59	.7508	1.821
#1	.2619	.9996	.0167	L-.0370	.0169	4.114	2.249
#2	.2632	1.012	.0167	L-.0196	.0129	4.101	2.257
#3	.2606	.9978	.0239	.0376	.0169	4.056	2.183

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.015	.2307	.1142	.9394	.0535	.0386
SDev	.069	.0021	.0106	.0092	.0000	.0050
%RSD	.9777	.9050	9.294	.9824	.0005	12.83
#1	7.021	.2304	.1074	.9381	.0535	.0436
#2	7.080	.2329	.1264	.9492	.0535	.0383
#3	6.943	.2288	.1087	.9308	.0535	.0337

Analysis Report 05/03/02 05:15:14 PM

Method: STD_MTD Sample Name: 022751 100 Operator: NR1
Run Time: 05/03/02 17:11:17
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	76.97	.1216	.2141	1.269	.00538	.0240	77.30
SDev	.58	.0169	.0247	.015	.00012	.0004	.57
%RSD	.7595	13.87	11.54	1.173	2.2843	1.490	.7405
#1	76.97	.1263	.2395	1.273	.00545	.0237	77.37
#2	77.55	.1356	.2127	1.282	.00544	.0240	77.83
#3	76.38	.1029	.1901	1.253	.00523	.0244	76.69

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1905	.0708	7.968	198.0	17.74	22.09	4.335
SDev	.0023	.0026	.065	2.5	.12	.16	.035
%RSD	1.224	3.695	.8181	1.267	.6697	.7414	.8162
#1	.1920	.0695	7.983	195.1	17.78	22.11	4.342
#2	.1918	.0738	8.024	199.3	17.84	22.24	4.366
#3	.1879	.0691	7.897	199.7	17.61	21.92	4.296

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0027	.2270	8.202	L-.0720	.0062	4.085	L-.0063
SDev	.0082	.0008	.748	.0210	.0027	.044	.0191
%RSD	299.8	.3524	9.116	29.13	43.09	1.075	300.8
#1	L-.0107	.2275	9.060	L-.0535	.0092	4.095	.0107
#2	L-.0033	.2261	7.852	L-.0948	.0042	4.123	L-.0028
#3	.0058	.2275	7.694	L-.0677	.0052	4.037	L-.0270

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2332	10.13	.0832	L-.0020	.0220	9.227	12.02
SDev	.0022	.07	.0060	.0519	.0060	.100	.07
%RSD	.9343	.7151	7.270	2571.	27.31	1.081	.6000
#1	.2321	10.14	.0768	L-.0239	.0286	9.274	12.08
#2	.2357	10.20	.0840	.0572	.0207	9.294	12.05
#3	.2317	10.06	.0888	L-.0394	.0168	9.112	11.94

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.815	.4035	2.199	1.156	.0599	.0214
SDev	.043	.0038	.016	.010	.0000	.0040
%RSD	.7345	.9432	.7127	.8738	.0019	18.55
#1	5.816	.4043	2.191	1.156	.0599	.0252
#2	5.858	.4068	2.217	1.166	.0599	.0219
#3	5.772	.3993	2.188	1.145	.0599	.0172

Method: STD_MTD Sample Name: 022752 100 Operator: NR1
Run Time: 05/03/02 17:15:21
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	133.4	.0296	.1109	.8861	.00698	L-.0003	22.50
SDev	1.3	.0378	.0075	.0118	.00013	.0014	.25
%RSD	.9668	127.6	6.770	1.335	1.8603	458.2	1.098
#1	132.0	.0234	.1196	.8727	.00706	L-.0001	22.22
#2	133.9	.0702	.1070	.8906	.00705	.0010	22.64
#3	134.5	L-.0047	.1061	.8950	.00683	L-.0017	22.65

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1543	.0904	.2664	272.6	.2847	35.18	3.671
SDev	.0004	.0009	.0020	3.4	.0094	.33	.038
%RSD	.2394	.9867	.7430	1.247	3.304	.9367	1.030
#1	.1539	.0894	.2642	271.8	.2813	34.81	3.628
#2	.1546	.0911	.2681	269.7	.2954	35.31	3.685
#3	.1543	.0906	.2670	276.3	.2775	35.43	3.699

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0046	.1903	10.78	L-.0675	L-.0013	2.693	.0412
SDev	.0034	.0130	.53	.0301	.0049	.027	.0146
%RSD	75.50	6.853	4.877	44.68	367.4	1.012	35.39
#1	L-.0068	.2053	10.71	L-.0511	L-.0033	2.662	.0539
#2	L-.0063	.1838	11.34	L-.0490	.0042	2.710	.0253
#3	L-.0006	.1817	10.29	L-.1023	L-.0048	2.708	.0445

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2893	1.033	.0263	L-.0422	.0094	3.200	1.559
SDev	.0027	.009	.0024	.0291	.0006	.066	.085
%RSD	.9434	.8653	9.138	69.09	6.061	2.071	5.485
#1	.2861	1.022	.0239	L-.0638	.0091	3.135	1.550
#2	.2907	1.038	.0287	L-.0090	.0091	3.197	1.478
#3	.2910	1.038	.0263	L-.0537	.0101	3.268	1.648

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.739	.2216	.0074	.9498	.0867	.0367
SDev	.034	.0024	.0067	.0104	.0015	.0014
%RSD	.5014	1.081	90.49	1.098	1.681	3.915
#1	6.710	.2188	.0148	.9381	.0851	.0373
#2	6.730	.2230	.0059	.9528	.0876	.0377
#3	6.776	.2230	.0016	.9583	.0876	.0350

Method: STD_MTD Sample Name: 022753 100 Operator: NR1
Run Time: 05/03/02 17:19:25
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	81.70	.0249	.0973	.7838	.00503	.0084	69.54
SDev	.50	.0097	.0083	.0065	.00013	.0011	.32
%RSD	.6159	39.03	8.513	.8233	2.5064	13.29	.4559
#1	81.99	.0140	.0957	.7876	.00488	.0079	69.58
#2	81.12	.0281	.0899	.7764	.00510	.0097	69.21
#3	81.99	.0327	.1062	.7876	.00510	.0077	69.84

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2472	.0760	1.294	213.7	2.893	27.52	3.583
SDev	.0017	.0016	.009	1.2	.034	.13	.019
%RSD	.6874	2.158	.7069	.5569	1.173	.4829	.5411
#1	.2470	.0742	1.297	213.5	2.870	27.59	3.593
#2	.2456	.0764	1.284	214.9	2.877	27.37	3.560
#3	.2490	.0774	1.301	212.6	2.932	27.60	3.595

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0027	.1649	19.83	L-.0628	.0003	.5228	L-.1128
SDev	.0078	.0011	.45	.0076	.0010	.0097	.0525
%RSD	293.5	.6418	2.285	12.15	396.5	1.853	46.57
#1	L-.0085	.1658	19.66	L-.0628	L-.0008	.5132	L-.1357
#2	L-.0057	.1651	20.35	L-.0552	.0003	.5225	L-.0527
#3	.0062	.1637	19.50	L-.0705	.0013	.5326	L-.1500

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2850	2.317	.0287	L-.0527	.0093	12.13	11.48
SDev	.0013	.009	.0024	.0063	.0034	.03	.12
%RSD	.4504	.3843	8.373	11.95	37.05	.2628	1.058
#1	.2850	2.322	.0287	L-.0563	.0090	12.11	11.54
#2	.2837	2.307	.0311	L-.0564	.0129	12.12	11.34
#3	.2863	2.322	.0263	L-.0455	.0060	12.17	11.56

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.992	.2859	.2858	2.894	.0843	.0241
SDev	.012	.0024	.0084	.020	.0007	.0019
%RSD	.2049	.8381	2.956	.6861	.8652	7.909
#1	5.998	.2873	.2871	2.905	.0839	.0219
#2	5.977	.2832	.2767	2.871	.0839	.0252
#3	6.000	.2873	.2935	2.906	.0852	.0252

Method: STD_MTD Sample Name: 022754 100 Operator: NR1
Run Time: 05/03/02 17:23:29
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	102.6	.0218	.0960	.7609	.00526	L-.0001	29.10
SDev	1.6	.0189	.0170	.0140	.00001	.0048	.37
%RSD	1.598	86.60	17.75	1.835	.11507	3262.	1.259
#1	100.7	.0327	.1157	.7452	.00527	L-.0031	28.68
#2	103.8	.0327	.0861	.7720	.00526	.0053	29.37
#3	103.3	L-.0000	.0862	.7653	.00526	L-.0027	29.25

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1164	.0698	.7783	200.6	1.240	25.11	3.743
SDev	.0010	.0002	.0112	2.3	.016	.34	.055
%RSD	.8787	.2831	1.445	1.142	1.297	1.352	1.457
#1	.1163	.0700	.7659	198.2	1.222	24.72	3.681
#2	.1155	.0696	.7878	202.7	1.246	25.35	3.781
#3	.1175	.0698	.7812	201.0	1.253	25.25	3.768

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0042	.1448	6.600	L-.0745	L-.0018	.7696	.0197
SDev	.0076	.0050	.246	.0243	.0054	.0227	.0219
%RSD	180.0	3.461	3.726	32.67	300.6	2.952	111.1
#1	L-.0010	.1416	6.541	L-.0464	.0027	.7833	.0038
#2	.0012	.1506	6.870	L-.0881	L-.0079	.7434	.0106
#3	L-.0129	.1423	6.389	L-.0891	L-.0003	.7822	.0447

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2197	1.078	.0151	L-.0167	.0106	4.659	1.945
SDev	.0024	.016	.0056	.0029	.0021	.069	.090
%RSD	1.094	1.481	36.75	17.09	19.37	1.486	4.638
#1	.2169	1.060	.0119	L-.0188	.0099	4.586	1.957
#2	.2211	1.090	.0215	L-.0180	.0089	4.724	2.029
#3	.2210	1.084	.0119	L-.0135	.0129	4.665	1.849

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.185	.3911	.1043	.7530	.0699	.0292
SDev	.083	.0073	.0125	.0115	.0000	.0013
%RSD	1.594	1.853	11.98	1.521	.0011	4.270
#1	5.092	.3831	.0925	.7401	.0699	.0301
#2	5.251	.3972	.1174	.7621	.0699	.0298
#3	5.211	.3930	.1031	.7566	.0699	.0278

Method: STD_MTD Sample Name: 022755 100 Operator: NR1
Run Time: 05/03/02 17:27:33
[redacted]ment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	104.6	.0327	.1346	.9565	.00574	.0113	394.9
SDev	.7	.0353	.0308	.0081	.00012	.0005	2.2
%RSD	.6840	107.9	22.88	.8421	2.1454	4.164	.5538
#1	103.8	.0655	.1128	.9476	.00567	.0116	392.6
#2	105.2	.0374	.1212	.9632	.00566	.0115	396.9
#3	104.9	L-.0047	.1699	.9587	.00588	.0108	395.4

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1765	.0938	1.628	234.6	2.936	145.9	4.692
SDev	.0017	.0036	.012	1.8	.028	1.0	.028
%RSD	.9787	3.842	.7243	.7681	.9442	.7128	.5967
#1	.1745	.0967	1.614	232.7	2.918	144.7	4.661
#2	.1771	.0897	1.635	236.2	2.968	146.6	4.716
#3	.1778	.0949	1.634	235.1	2.922	146.3	4.699

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	L-.0033	.2416	16.64	L-.0527	L-.0014	1.006	.0001
[redacted]Dev	.0099	.0042	.73	.0245	.0022	.006	.1024
%RSD	299.6	1.752	4.376	46.42	152.4	.5990	108500.
#1	.0069	.2379	15.81	L-.0304	.0001	1.010	L-.0102
#2	L-.0039	.2406	16.98	L-.0489	L-.0040	.9988	.1073
#3	L-.0129	.2462	17.14	L-.0789	L-.0004	1.009	L-.0968

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2345	3.265	.0623	L-.0052	.0106	7.118	4.096
SDev	.0018	.023	.0042	.0296	.0029	.071	.014
%RSD	.7820	.7024	6.676	573.4	27.73	.9953	.3518
#1	.2324	3.239	.0599	L-.0184	.0106	7.041	4.081
#2	.2352	3.284	.0599	.0287	.0077	7.181	4.110
#3	.2359	3.271	.0671	L-.0258	.0136	7.131	4.097

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.435	.5335	.3082	1.189	.1077	.0442
SDev	.043	.0038	.0046	.007	.0015	.0019
%RSD	.6608	.7163	1.475	.5558	1.358	4.243
#1	6.391	.5293	.3128	1.182	.1060	.0436
#2	6.475	.5368	.3037	1.195	.1085	.0426
[redacted]	6.439	.5343	.3082	1.191	.1085	.0462

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Method: STD_MTD Sample Name: 022756 100 Operator: NR1
Run Time: 05/03/02 17:31:36
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.7	.0530	.1996	1.495	.00612	.0119	116.6
SDev	1.4	.0195	.0099	.019	.00013	.0034	1.3
%RSD	1.261	36.74	4.954	1.245	2.0998	28.98	1.084
#1	106.2	.0468	.2049	1.474	.00605	.0079	115.4
#2	108.8	.0748	.1882	1.510	.00603	.0135	117.9
#3	108.0	.0374	.2057	1.501	.00626	.0142	116.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1571	.0800	3.324	234.6	6.255	54.69	3.682
SDev	.0030	.0041	.043	1.6	.079	.73	.044
%RSD	1.927	5.095	1.306	.6982	1.268	1.330	1.203
#1	.1539	.0765	3.275	236.4	6.187	53.88	3.636
#2	.1600	.0844	3.357	234.2	6.342	55.27	3.724
#3	.1574	.0791	3.341	233.2	6.237	54.93	3.686

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.1938	11.18	L-.0803	L-.0011	.9767	L-.0003
SDev	.0121	.0080	.43	.0344	.0023	.0309	.0197
%RSD	696.5	4.144	3.834	42.81	203.7	3.165	5837.
#1	L-.0079	.1977	10.69	L-.0856	.0002	.9414	.0209
#2	L-.0022	.1991	11.37	L-.0436	.0002	.9989	L-.0180
#3	.0153	.1845	11.48	L-.1117	L-.0038	.9897	L-.0040

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2567	4.819	.0303	L-.0283	.0107	6.055	2.515
SDev	.0040	.053	.0137	.0382	.0045	.099	.024
%RSD	1.574	1.091	45.07	134.9	42.54	1.640	.9470
#1	.2533	4.762	.0263	L-.0130	.0133	5.940	2.490
#2	.2612	4.866	.0455	L-.0001	.0133	6.118	2.517
#3	.2558	4.827	.0191	L-.0719	.0054	6.105	2.538

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.798	.3082	.6771	1.004	.0865	.0348
SDev	.077	.0035	.0134	.010	.0022	.0015
%RSD	1.132	1.124	1.976	1.017	2.530	4.371
#1	6.715	.3043	.6745	.9932	.0852	.0357
#2	6.866	.3110	.6916	1.013	.0890	.0331
#3	6.812	.3093	.6652	1.006	.0853	.0357

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Method: STD_MTD Sample Name: 022757 100 Operator: NR1
Run Time: 05/03/02 17:35:40
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	76.02	.1278	.1799	1.219	.00632	.0376	70.97
SDev	.74	.0135	.0169	.014	.00021	.0010	.69
%RSD	.9733	10.56	9.424	1.145	3.3451	2.609	.9699
#1	76.05	.1356	.1989	1.224	.00632	.0374	71.03
#2	76.74	.1123	.1665	1.230	.00653	.0387	71.64
#3	75.26	.1356	.1743	1.203	.00611	.0368	70.26

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2240	.0683	10.33	234.8	20.67	19.99	4.892
SDev	.0036	.0006	.10	1.3	.21	.19	.050
%RSD	1.626	.9151	1.012	.5425	1.032	.9526	1.025
#1	.2234	.0685	10.35	233.3	20.71	20.01	4.893
#2	.2279	.0687	10.43	235.5	20.86	20.17	4.941
#3	.2207	.0676	10.22	235.5	20.44	19.79	4.841

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0037	.3603	11.71	L-.0399	.0084	1.669	.0173
SDev	.0103	.0044	.65	.0071	.0035	.022	.0628
%RSD	281.1	1.221	5.558	17.74	41.88	1.307	362.0
#1	.0018	.3577	12.43	L-.0437	.0081	1.657	L-.0287
#2	L-.0056	.3653	11.17	L-.0317	.0121	1.694	.0888
#3	.0148	.3577	11.54	L-.0443	.0051	1.656	L-.0082

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2332	15.27	.0784	.0230	.0246	10.41	13.04
SDev	.0027	.13	.0097	.0463	.0000	.15	.16
%RSD	1.145	.8450	12.39	201.1	.0139	1.407	1.248
#1	.2331	15.26	.0840	.0053	.0246	10.40	13.11
#2	.2359	15.40	.0840	.0755	.0246	10.56	13.16
#3	.2305	15.14	.0672	L-.0118	.0246	10.27	12.86

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.202	.7331	3.026	1.400	.0641	.0183
SDev	.063	.0086	.027	.015	.0007	.0014
%RSD	1.012	1.178	.8862	1.049	1.139	7.479
#1	6.198	.7359	3.041	1.400	.0637	.0179
#2	6.267	.7400	3.042	1.414	.0650	.0199
#3	6.141	.7235	2.995	1.385	.0637	.0172

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Method: STD_MTD Sample Name: 022758 100 Operator: NR1
Run Time: 05/03/02 17:39:44
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	105.3	.0203	.0962	.6692	.00501	.0060	29.33
SDev	.9	.0266	.0179	.0059	.00001	.0006	.24
%RSD	.8753	131.2	18.56	.8839	.11094	10.62	.8085
#1	104.8	.0421	.0758	.6669	.00502	.0054	29.21
#2	104.8	L-.0094	.1041	.6647	.00501	.0059	29.19
#3	106.4	.0281	.1088	.6759	.00501	.0067	29.61

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1197	.0719	.8254	213.5	1.016	24.34	4.577
SDev	.0026	.0016	.0081	2.5	.004	.19	.038
%RSD	2.148	2.221	.9810	1.155	.3704	.7740	.8237
#1	.1174	.0717	.8181	210.7	1.014	24.22	4.554
#2	.1192	.0705	.8240	215.2	1.015	24.25	4.558
#3	.1225	.0736	.8341	214.7	1.021	24.56	4.621

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0101	.1309	8.465	L-.0887	L-.0012	.9986	.0122
SDev	.0050	.0088	.268	.0308	.0023	.0169	.0264
%RSD	49.80	6.700	3.163	34.74	187.0	1.693	217.3
#1	L-.0061	.1215	8.688	L-.0988	L-.0039	1.009	L-.0172
#2	L-.0158	.1388	8.540	L-.0541	.0001	.9791	.0340
#3	L-.0084	.1326	8.168	L-.1131	.0001	1.008	.0198

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2331	1.171	.0191	L-.0250	.0080	3.932	2.220
SDev	.0022	.011	.0042	.0249	.0017	.056	.046
%RSD	.9459	.9203	21.79	99.55	21.46	1.428	2.089
#1	.2315	1.165	.0143	.0028	.0060	3.882	2.167
#2	.2323	1.165	.0215	L-.0452	.0089	3.920	2.240
#3	.2356	1.183	.0215	L-.0325	.0089	3.993	2.254

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.139	.5572	.1054	.8508	.0544	.0298
SDev	.053	.0050	.0073	.0059	.0007	.0029
%RSD	.8617	.9056	6.908	.6928	1.342	9.587
#1	6.105	.5547	.1138	.8465	.0548	.0281
#2	6.112	.5539	.1006	.8483	.0535	.0331
#3	6.200	.5630	.1019	.8575	.0548	.0281

Method: STD_MTD Sample Name: 022759 100 Operator: NR1
Run Time: 05/03/02 17:43:48
[redacted]mment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	105.3	.0499	.1310	1.134	.00607	.0114	324.5
SDev	1.2	.0150	.0131	.014	.00001	.0007	4.2
%RSD	1.173	30.14	10.00	1.204	.14000	6.219	1.286
#1	104.2	.0561	.1160	1.122	.00608	.0122	320.5
#2	105.1	.0608	.1400	1.131	.00607	.0110	324.2
#3	106.6	.0327	.1370	1.149	.00606	.0110	328.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1878	.0919	4.312	246.6	6.861	127.1	4.490
SDev	.0037	.0046	.052	.9	.090	1.5	.054
%RSD	1.970	4.971	1.210	.3549	1.312	1.143	1.209
#1	.1840	.0869	4.263	246.0	6.782	125.8	4.439
#2	.1880	.0959	4.306	246.3	6.842	126.9	4.486
#3	.1914	.0930	4.367	247.6	6.959	128.7	4.547

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	L-.0039	.2741	16.81	L-.0745	L-.0041	1.052	.0036
[redacted]Dev	.0093	.0052	.44	.0224	.0008	.014	.0464
%RSD	238.8	1.897	2.605	30.07	18.66	1.343	1290.
#1	L-.0147	.2794	17.30	L-.0631	L-.0049	1.037	.0353
#2	.0018	.2739	16.67	L-.0600	L-.0034	1.056	.0251
#3	.0012	.2690	16.46	L-.1003	L-.0039	1.064	L-.0496

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2457	6.129	.0864	L-.0263	.0143	7.639	5.493
SDev	.0034	.076	.0048	.0429	.0000	.113	.119
%RSD	1.372	1.238	5.557	163.0	.1487	1.476	2.166
#1	.2423	6.057	.0816	L-.0753	.0143	7.529	5.365
#2	.2457	6.122	.0912	L-.0082	.0143	7.634	5.516
#3	.2491	6.209	.0864	.0046	.0143	7.755	5.600

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.535	.5005	.8895	1.552	.1118	.0350
SDev	.079	.0063	.0181	.020	.0015	.0032
%RSD	1.052	1.259	2.029	1.300	1.311	9.069
#1	7.451	.4946	.8713	1.532	.1109	.0314
#2	7.545	.4996	.8899	1.551	.1109	.0364
[redacted]	7.609	.5071	.9074	1.573	.1135	.0373

Method: STD_MTD Sample Name: 022760 100 Operator: NR1
Run Time: 05/03/02 17:47:52
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.2	.0249	.1092	.8823	.00552	.0012	552.0
SDev	.6	.0054	.0045	.0045	.00013	.0001	2.4
%RSD	.5444	21.65	4.111	.5060	2.3081	5.838	.4381
#1	106.6	.0281	.1131	.8778	.00545	.0011	549.7
#2	107.8	.0281	.1043	.8867	.00544	.0012	554.5
#3	107.2	.0187	.1101	.8823	.00567	.0011	551.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1716	.0971	1.152	251.1	1.324	182.1	4.419
SDev	.0024	.0027	.005	1.3	.009	.9	.019
%RSD	1.393	2.787	.4425	.5306	.7028	.5041	.4257
#1	.1690	.1003	1.147	249.6	1.335	181.2	4.401
#2	.1736	.0954	1.157	251.6	1.319	183.0	4.439
#3	.1722	.0957	1.151	252.1	1.319	182.0	4.417

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	.2538	16.55	L-.0779	L-.0026	1.150	L-.0517
SDev	.0101	.0082	.40	.0367	.0023	.014	.0385
%RSD	398.4	3.218	2.410	47.12	89.38	1.230	74.49
#1	L-.0033	.2517	16.83	L-.0451	.0001	1.135	L-.0161
#2	.0142	.2469	16.73	L-.0711	L-.0039	1.153	L-.0463
#3	L-.0033	.2628	16.09	L-.1176	L-.0039	1.163	L-.0926

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2325	1.661	.0711	L-.0216	.0148	6.003	2.254
SDev	.0024	.008	.0037	.0198	.0006	.044	.054
%RSD	1.049	.4958	5.159	91.51	3.861	.7288	2.410
#1	.2305	1.654	.0719	L-.0047	.0151	5.961	2.316
#2	.2352	1.670	.0671	L-.0168	.0151	6.048	2.229
#3	.2319	1.658	.0743	L-.0433	.0141	5.999	2.217

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.423	.7913	.1352	1.613	.1114	.0682
SDev	.039	.0044	.0083	.007	.0000	.0031
%RSD	.5285	.5574	6.125	.4188	.0043	4.489
#1	7.423	.7879	.1387	1.608	.1114	.0647
#2	7.463	.7963	.1411	1.621	.1114	.0696
#3	7.384	.7896	.1257	1.611	.1114	.0703

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Method: STD_MTD Sample Name: 022761 100 Operator: NR1
Run Time: 05/03/02 17:51:56
[redacted]mment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	108.5	.0218	.1118	.8963	.00551	.0008	600.4
SDev	1.1	.0211	.0086	.0101	.00012	.0048	4.3
%RSD	1.059	96.63	7.728	1.124	2.2005	580.1	.7125
#1	108.2	.0234	.1106	.8955	.00544	L-.0024	598.5
#2	109.8	.0421	.1210	.9067	.00565	.0063	605.3
#3	107.5	L-.0000	.1038	.8866	.00544	L-.0014	597.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1778	.1040	1.070	262.0	1.304	194.4	4.613
SDev	.0028	.0039	.015	.5	.027	2.1	.043
%RSD	1.573	3.758	1.357	.2092	2.054	1.082	.9366
#1	.1773	.0996	1.067	262.1	1.283	193.9	4.600
#2	.1808	.1055	1.085	261.3	1.295	196.7	4.661
#3	.1753	.1069	1.057	262.4	1.334	192.6	4.577

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	L-.0026	.2501	17.48	L-.0856	L-.0036	1.213	L-.0310
[redacted]Dev	.0020	.0033	.13	.0137	.0043	.038	.0657
%RSD	77.64	1.309	.7661	15.98	117.6	3.174	212.0
#1	L-.0005	.2476	17.34	L-.0952	L-.0080	1.178	.0263
#2	L-.0045	.2538	17.61	L-.0916	.0006	1.254	L-.0166
#3	L-.0028	.2489	17.50	L-.0699	L-.0035	1.207	L-.1027

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2388	1.588	.0631	L-.0743	.0133	6.021	2.142
SDev	.0020	.016	.0028	.0216	.0065	.080	.141
%RSD	.8456	1.023	4.404	29.13	48.71	1.329	6.579
#1	.2370	1.583	.0647	L-.0521	.0064	5.966	2.126
#2	.2410	1.606	.0647	L-.0953	.0192	6.113	2.291
#3	.2384	1.574	.0599	L-.0755	.0142	5.984	2.010

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.722	.8352	.1335	1.756	.1157	.0850
SDev	.068	.0092	.0131	.016	.0015	.0019
%RSD	.8754	1.103	9.840	.9058	1.265	2.271
#1	7.699	.8340	.1184	1.752	.1165	.0828
[redacted]2	7.798	.8449	.1427	1.773	.1165	.0864
[redacted]3	7.669	.8266	.1393	1.742	.1140	.0858

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Method: STD_MTD Sample Name: 022762 100 Operator: NR1
Run Time: 05/03/02 17:56:00
[redacted]ment: 0502 SSX1 DG3050B
[redacted]de: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	93.33	.0218	.1045	.6818	.00507	.0054	40.59
SDev	.11	.0177	.0415	.0013	.00001	.0006	.14
%RSD	.1170	81.13	39.72	.1893	.10212	11.83	.3570
#1	93.22	.0421	.1234	.6826	.00508	.0057	40.49
#2	93.34	.0094	.1332	.6803	.00507	.0047	40.52
#3	93.44	.0140	.0569	.6826	.00507	.0058	40.76

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1427	.0684	.6728	197.3	1.229	27.43	4.335
SDev	.0018	.0009	.0014	.5	.021	.05	.010
%RSD	1.232	1.388	.2091	.2782	1.696	.1668	.2383
#1	.1434	.0674	.6712	197.1	1.208	27.38	4.326
#2	.1407	.0692	.6736	198.0	1.230	27.43	4.334
#3	.1441	.0685	.6736	196.9	1.250	27.47	4.346

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	.0013	.1771	9.242	L-.0638	.0020	.3952	.0155
[redacted]dev	.0000	.0056	.282	.0141	.0020	.0112	.0271
%RSD	.3325	3.161	3.047	22.03	103.1	2.831	174.5
#1	.0013	.1720	9.136	L-.0797	.0001	.4017	.0464
#2	.0013	.1762	9.562	L-.0529	.0016	.3823	L-.0039
#3	.0013	.1831	9.029	L-.0589	.0042	.4017	.0040

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2098	1.421	.0239	L-.0043	.0146	8.152	4.142
SDev	.0021	.006	.0042	.0382	.0021	.013	.118
%RSD	.9792	.4343	17.40	887.5	14.08	.1536	2.856
#1	.2075	1.416	.0263	L-.0173	.0139	8.138	4.016
#2	.2116	1.419	.0263	L-.0343	.0129	8.156	4.251
#3	.2102	1.428	.0191	.0387	.0168	8.162	4.158

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.243	.1110	.0976	.7365	.0800	.0364
SDev	.010	.0005	.0101	.0018	.0000	.0037
%RSD	.1629	.4322	10.38	.2490	.0004	10.09
#1	6.247	.1104	.0875	.7346	.0800	.0403
#2	6.231	.1112	.0975	.7365	.0800	.0357
[redacted]	6.250	.1112	.1077	.7383	.0800	.0331

Method: STD_MTD Sample Name: DC022762 500 Operator: NR1
Run Time: 05/03/02 18:00:42
[redacted]mment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al 94.5	Sb	As	Ba	Be	Cd	Ca 42.64
Units	ppm 16%	ppm	ppm	ppm	ppm	ppm	ppm 3.6%
Avge	18.96	.0016	.0151	.1393	.00098	.0040	8.408
SDev	.06	.0177	.0031	.0000	.00013	.0062	.032
%RSD	.3257	1136.	20.72	.0001	12.969	155.6	.3749
#1	18.91	.0140	.0136	.1393	.00113	L-.0005	8.380
#2	18.94	.0094	.0187	.1393	.00090	.0111	8.402
#3	19.03	L-.0187	.0130	.1393	.00091	.0013	8.442

Elem	Cr	Co	Cu	Fe 185.0	Pb 1.312	Mg	Mn 4.45
Units	ppm	ppm	ppm	ppm 6.2%	ppm 6.75%	ppm	ppm 26%
Avge	.0330	.0179	.1399	37.01	.2624	5.751	.8899
SDev	.0020	.0018	.0028	.16	.0167	.020	.0034
%RSD	6.088	9.892	1.974	.4455	6.376	.3400	.3810
#1	.0334	.0180	.1389	36.85	.2605	5.732	.8865
#2	.0347	.0196	.1431	37.00	.2800	5.748	.8900
#3	.0308	.0160	.1379	37.18	.2467	5.771	.8932

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	L-.0003	.0346	1.260	L-.0182	.0022	.1530	.0133
[redacted]Dev	.0017	.0083	.347	.0131	.0025	.0336	.0384
%RSD	619.4	23.86	27.55	71.80	110.8	21.99	288.6
#1	L-.0007	.0321	1.207	L-.0070	.0006	.1881	L-.0237
#2	L-.0018	.0279	1.631	L-.0151	.0051	.1498	.0530
#3	.0016	.0439	.9430	L-.0327	.0011	.1210	.0107

Elem	V	Zn 1.46 ✓	B	Bi	Mo	P 8.41	S
Units	ppm	ppm	ppm	ppm	ppm	ppm 3.2%	ppm
Avge	.0443	.2920	.0040	L-.0018	L-.0012	1.682	.8387
SDev	.0014	.0015	.0037	.0123	.0026	.027	.0133
%RSD	3.131	.5268	92.39	675.7	213.5	1.577	1.591
#1	.0438	.2907	.0072	.0028	.0017	1.700	.8474
#2	.0459	.2917	L-.0000	.0075	L-.0022	1.695	.8453
#3	.0432	.2937	.0048	L-.0158	L-.0032	1.652	.8233

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.315	.0230	.0275	.1522	.0143	.0083
SDev	.022	.0000	.0105	.0011	.0000	.0032
%RSD	1.684	.0014	38.21	.6956	.0004	38.07
#1	1.324	.0230	.0159	.1516	.0143	.0070
#2	1.331	.0230	.0303	.1534	.0143	.0120
[redacted]3	1.290	.0230	.0364	.1516	.0143	.0060

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Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/03/02 18:06:37
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.993	.0171	1.026	1.997	1.0112	1.011	21.17
SDev	.013	.0258	.020	.005	.0014	.000	.05
%RSD	.3258	150.2	1.927	.2646	.14221	.0297	.2453
#1	3.980	.0047	1.029	2.001	1.0125	1.011	21.13
#2	4.006	-.0000	1.005	1.998	1.0114	1.011	21.16
#3	3.992	.0468	1.044	1.991	1.0097	1.011	21.23

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.047	2.112	1.958	4.082	2.052	19.83	2.039
SDev	.005	.004	.001	.007	.018	.02	.002
%RSD	.2589	.1793	.0641	.1722	.8951	.0828	.1113
#1	2.041	2.111	1.959	4.075	2.032	19.81	2.037
#2	2.048	2.109	1.958	4.083	2.056	19.84	2.041
#3	2.052	2.116	1.956	4.089	2.069	19.84	2.040

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4283	1.049	19.66	1.026	1.009	19.98	2.126
SDev	.0066	.017	.13	.018	.004	.06	.011
%RSD	1.532	1.651	.6780	1.718	.4261	.2805	.5296
#1	.4251	1.049	19.80	1.043	1.005	20.02	2.124
#2	.4240	1.066	19.64	1.029	1.010	19.91	2.138
#3	.4359	1.032	19.53	1.008	1.013	20.00	2.116

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.015	4.045	2.011	1.029	-.0004	10.20	-.0041
SDev	.003	.004	.011	.025	.0030	.01	.0261
%RSD	.2964	.0915	.5647	2.409	711.8	.1384	640.6
#1	1.012	4.041	1.998	1.050	.0002	10.21	-.0187
#2	1.015	4.046	2.020	1.036	-.0037	10.19	.0261
#3	1.018	4.048	2.015	1.002	.0022	10.22	-.0197

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0093	.9919	.0020	.0012	1.997	-.0059
SDev	.0064	.0024	.0050	.0018	.004	.0010
%RSD	68.63	.2413	247.2	150.0	.1931	16.04
#1	.0025	.9933	-.0018	-.0006	1.998	-.0065
#2	.0101	.9933	.0078	.0012	2.001	-.0065
#3	.0152	.9891	.0001	.0031	1.993	-.0048

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/03/02 18:10:38
Comment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0236	.9635	-.0050	.0007	-.00015	-.0004	-.0104
SDev	.0126	.0416	.0093	.0000	.00013	.0086	.0044
%RSD	53.37	4.315	187.7	.0018	88.938	2342.	42.62
#1	.0091	.9167	-.0153	.0007	-.00007	.0081	-.0149
#2	.0322	.9775	.0028	.0007	-.00007	-.0091	-.0060
#3	.0293	.9963	-.0024	.0007	-.00030	-.0001	-.0104

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0046	.0041	.0031	20.73	.0080	2.044	-.0004
SDev	.0026	.0014	.0009	.12	.0068	.010	.0001
%RSD	56.38	33.63	29.40	.5961	85.30	.4968	32.36
#1	.0020	.0026	.0021	20.59	.0085	2.034	-.0004
#2	.0046	.0042	.0035	20.84	.0145	2.054	-.0004
#3	.0073	.0054	.0038	20.75	.0009	2.044	-.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0051	.6702	.0111	.0151	.0452	-.1115
SDev	.0074	.0062	.6208	.0092	.0021	.0055	.0140
%RSD	560.0	121.2	92.62	82.71	13.89	12.21	12.55
#1	.0096	.0120	.4227	.0165	.0157	.0420	-.1196
#2	-.0045	.0002	.2114	.0164	.0167	.0419	-.0954
#3	-.0011	.0030	1.377	.0005	.0127	.0515	-.1196

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0036	-.0016	-.0173	1.014	.0106	2.003
SDev	.0020	.0006	.0037	.0591	.012	.0052	.022
%RSD	449.1	17.10	228.1	340.5	1.186	48.76	1.076
#1	-.0016	-.0043	-.0024	-.0842	1.001	.0163	1.993
#2	.0005	-.0032	-.0048	.0044	1.024	.0063	2.028
#3	.0024	-.0032	.0024	.0277	1.017	.0091	1.989

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.019	.0006	2.042	1.996	-.0008	1.988
SDev	.018	.0000	.029	.011	.0000	.015
%RSD	.9007	.0080	1.436	.5736	.0011	.7435
#1	2.005	.0006	2.014	1.983	-.0008	1.971
#2	2.040	.0006	2.072	2.005	-.0008	1.999
#3	2.013	.0006	2.041	2.000	-.0008	1.995

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/03/02 18:16:31
[redacted]ment: 0502 SSX1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0195	.0094	.0042	.0007	-.00008	-.0001	.0044
SDev	.0105	.0081	.0055	.0000	.00000	.0001	.0068
%RSD	53.99	86.60	129.8	.0027	4.3894	128.8	152.9
#1	.0084	.0187	.0060	.0007	-.00008	-.0001	.0030
#2	.0293	.0047	-.0019	.0007	-.00008	.0000	.0118
#3	.0207	.0047	.0086	.0007	-.00007	-.0001	-.0015

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0042	.0007	.0019	.0040	-.0041	.0006	.0001
SDev	.0034	.0029	.0011	.0016	.0202	.0002	.0002
%RSD	82.05	442.1	60.27	39.85	497.9	28.87	150.2
#1	.0022	.0017	.0010	.0057	-.0126	.0008	.0001
#2	Q.0081	.0029	.0031	.0036	.0190	.0005	.0003
#3	.0022	-.0026	.0014	.0026	-.0186	.0005	-.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
[redacted]vge	.0019	.0072	-.6180	-.0159	.0002	.0351	.0054
[redacted]Dev	.0053	.0062	.2718	.0245	.0009	.0241	.0234
%RSD	279.2	86.01	43.99	153.7	516.6	68.64	434.7
#1	-.0040	.0023	-.6886	-.0441	.0007	.0382	-.0195
#2	.0062	.0051	-.8476	.0005	.0007	.0574	.0269
#3	.0034	Q.0141	-.3178	-.0043	-.0008	.0096	.0088

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	-.0000	-.0064	-.0078	-.0046	.0032	-.0020
SDev	.0013	.0011	.0050	.0086	.0023	.0135	.0269
%RSD	85.71	3260.	77.97	110.3	49.50	426.8	1343.
#1	.0016	.0010	-.0048	-.0119	-.0033	-.0017	-.0255
#2	.0029	-.0000	-.0024	.0021	-.0033	.0185	.0273
#3	.0002	-.0011	Q-.0120	-.0135	-.0072	-.0073	-.0078

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0006	-.0036	.0012	Q-.0017	.0014
SDev	.0022	.0000	.0060	.0000	.0007	.0023
%RSD	57.74	.0123	168.3	.0000	43.30	161.5
#1	.0013	.0006	-.0047	.0012	Q-.0021	.0014
#2	.0051	.0006	.0029	.0012	-.0008	.0037
[redacted]3	.0051	.0006	-.0089	.0012	Q-.0021	-.0009

- PROBE JAMMED AFTER THIS SAMPLE SET
- AUTO CONTROLLER COMMUNICATIONS ERROR LATER IN RUN - SO RUN WAS STOPPED.

NR

Method: STD_MTD Sample Name: BL0502 100 Operator: NR1
Run Time: 05/03/02 18:20:33
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0053	-.0109	.0113	-.0000	-.00014	-.0002	.0193
SDev	.0121	.0221	.0090	.0013	.00012	.0001	.0068
%RSD	226.9	202.5	79.37	2233000.	84.879	79.80	35.22
#1	.0193	.0140	.0165	-.0015	-.00007	-.0002	.0207
#2	-.0016	-.0187	.0009	.0007	-.00028	-.0000	.0119
#3	-.0017	-.0281	.0166	.0007	-.00007	-.0003	.0252

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	-.0012	-.0019	.0299	-.0110	.0082	.0005
SDev	.0033	.0037	.0021	.0073	.0099	.0021	.0002
%RSD	136.3	315.9	114.6	24.60	89.33	25.16	37.61
#1	-.0024	-.0010	-.0014	.0378	-.0126	.0105	.0005
#2	-.0057	-.0049	-.0042	.0233	-.0201	.0065	.0007
#3	.0009	.0025	-.0000	.0285	-.0005	.0076	.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	.0023	-.5473	-.0096	.0027	.2709	-.0121
SDev	.0051	.0069	.4894	.0201	.0022	.0146	.0275
%RSD	194.7	300.0	89.41	209.6	81.79	5.390	227.0
#1	-.0074	-.0046	-.2648	-.0282	.0052	.2868	-.0336
#2	-.0034	.0023	-1.112	-.0122	.0017	.2582	-.0215
#3	.0028	.0092	-.2648	.0117	.0012	.2677	.0188

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0010	L-.0200	.0254	-.0030	-.0091	-.0048
SDev	.0028	.0000	.0037	.0175	.0035	.0093	.0011
%RSD	138.9	2.800	18.31	68.99	117.0	101.9	22.41
#1	-.0011	.0011	-.0168	.0145	-.0033	-.0078	-.0041
#2	-.0051	.0010	L-.0240	.0161	.0007	-.0006	-.0060
#3	.0002	.0010	-.0192	.0456	-.0062	-.0190	-.0042

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0270	.0003	-.0023	.0018	-.0008	-.0008
SDev	.0490	.0005	.0102	.0011	.0000	.0033
%RSD	181.6	173.1	443.0	57.74	.0016	422.8
#1	-.0038	.0006	-.0009	.0012	-.0008	.0014
#2	.0013	-.0003	-.0131	.0012	-.0008	-.0045
#3	.0835	.0006	.0071	.0031	-.0008	.0008

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022763	XCG-US	OSO2-34	Calcium	PV	28800.	28400.	28900.	30.	28600.	-2.	02/05/02	SSX2	02/05/06	NR01	8.	6.	*CTHSPK* 020506.PRN
			Magnesium		11400.	11400.	12500.	101.	12300.	85.					8.	6.	
			Sodium		70.	67.	1070.	100.	1060.	99.					8.	6.	
			Potassium		1160.	1150.	2220.	107.	2220.	107.					8.	6.	
			Aluminum		**12300.**	**12300.**	**13800.**	**724.**	**13500.**	**562.**					**8.**	**6.**	
			Barium		98.6	97.9	197.0	99.	196.0	97.					8.	6.	
			Beryllium		0.7	0.6	49.9	98.	49.5	98.					8.	6.	
			Cadmium		-1.	-1.	49.	98.	49.	98.					8.	6.	
			Chromium		16.	16.	112.	96.	111.	95.					8.	6.	
			Cobalt		9.	9.	106.	97.	105.	96.					8.	6.	
			Copper		41.	37.	135.	97.	134.	96.					8.	6.	
			Iron		25200.	25400.	26000.	62.	26000.	62.					8.	6.	
			Lead		44.	44.	138.	94.	139.	95.					8.	6.	
			Manganese		509.	500.	595.	91.	611.	107.					8.	6.	
			Molybdenum		1.	1.	47.	91.	47.	92.					8.	6.	
			Nickel		22.	22.	70.	97.	70.	95.					8.	6.	
			Phosphorus		536.	544.	1000.	93.	996.	91.					8.	6.	
			Silver		-1.0	-1.0	49.0	99.	48.7	99.					8.	6.	
			Thallium		-10.	-10.	91.	89.	93.	92.					8.	6.	
			Vanadium		26.	26.	75.	98.	75.	98.					8.	6.	
			Zinc		86.	84.	279.	97.	278.	97.					8.	6.	
022764	XCG-US	OSO2-35	Calcium	PV	12500.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		5880.										8.	6.	
			Sodium		62.										8.	6.	
			Potassium		1100.										8.	6.	
			Aluminum		8460.										8.	6.	
			Barium		89.5										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		15.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		177.										8.	6.	
			Iron		19200.										8.	6.	
			Lead		438.										8.	6.	
			Manganese		380.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		20.										8.	6.	
			Phosphorus		791.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		20.										8.	6.	
			Zinc		343.										8.	6.	
022765	XCG-US	OSO2-36	Calcium	PV	32200.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		11900.										8.	6.	
			Sodium		119.										8.	6.	
			Potassium		1330.										8.	6.	
			Aluminum		10100.										8.	6.	
			Barium		93.1										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		17.										8.	6.	
			Cobalt		9.										8.	6.	
			Copper		358.										8.	6.	
			Iron		24100.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		448.										8.	6.	
			Manganese		444.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		27.										8.	6.	
			Phosphorus		**667.**										**8.**	**6.**	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		24.										8.	6.	
			Zinc		436.										8.	6.	
022766	XCG-US	OSO2-37	Calcium	PV	31000.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		12900.										8.	6.	
			Sodium		113.										8.	6.	
			Potassium		1220.										8.	6.	
			Aluminum		6670.										8.	6.	
			Barium		135.0										8.	6.	
			Beryllium		0.4										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		15.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		316.										8.	6.	
			Iron		17400.										8.	6.	
			Lead		797.										8.	6.	
			Manganese		315.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		18.										8.	6.	
			Phosphorus		1330.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		17.										8.	6.	
			Zinc		609.										8.	6.	
022767	XCG-US	OSO2-38	Calcium	PV	40400.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		12500.										8.	6.	
			Sodium		123.										8.	6.	
			Potassium		1760.										8.	6.	
			Aluminum		10200.										8.	6.	
			Barium		167.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		2.										8.	6.	
			Chromium		18.										8.	6.	
			Cobalt		9.										8.	6.	
			Copper		486.										8.	6.	
			Iron		24400.										8.	6.	
			Lead		700.										8.	6.	
			Manganese		471.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		28.										8.	6.	
			Phosphorus		2230.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		24.										8.	6.	
			Zinc		899.										8.	6.	
022768	XCG-US	OSO2-39	Calcium	PV	7890.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		3990.										8.	6.	
			Sodium		50.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Potassium		1160.										8.	6.	
			Aluminum		7210.										8.	6.	
			Barium		59.4										8.	6.	
			Beryllium		0.4										8.	6.	
			Cadmium		**-1.**										**8.**	**6.**	
			Chromium		12.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		157.										8.	6.	
			Iron		18100.										8.	6.	
			Lead		307.										8.	6.	
			Manganese		367.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		16.										8.	6.	
			Phosphorus		644.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		18.										8.	6.	
			Zinc		264.										8.	6.	
022769	XCG-US	OSO2-40	Calcium	PV	9530.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		4960.										8.	6.	
			Sodium		42.										8.	6.	
			Potassium		846.										8.	6.	
			Aluminum		7730.										8.	6.	
			Barium		65.7										8.	6.	
			Beryllium		0.4										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		10.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		38.										8.	6.	
			Iron		17400.										8.	6.	
			Lead		30.										8.	6.	
			Manganese		380.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		15.										8.	6.	
			Phosphorus		422.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		18.										8.	6.	
			Zinc		62.										8.	6.	
022770	XCG-US	OSO2-41	Calcium	PV	4320.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		3330.										8.	6.	
			Sodium		44.										8.	6.	
			Potassium		1220.										8.	6.	
			Aluminum		11900.										8.	6.	
			Barium		99.7										8.	6.	
			Beryllium		0.7										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		16.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		113.										8.	6.	
			Iron		26400.										8.	6.	
			Lead		268.										8.	6.	
			Manganese		422.										8.	6.	
			Molybdenum		3.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Nickel		20.										8.	6.	
			Phosphorus		931.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		**24.**										**8.**	**6.**	
			Zinc		216.										8.	6.	
022771	XCG-US	OSO2-BW5	Calcium	PV	4400.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		3330.										8.	6.	
			Sodium		47.										8.	6.	
			Potassium		1240.										8.	6.	
			Aluminum		11800.										8.	6.	
			Barium		100.0										8.	6.	
			Beryllium		0.7										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		16.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		118.										8.	6.	
			Iron		26000.										8.	6.	
			Lead		277.										8.	6.	
			Manganese		413.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		21.										8.	6.	
			Phosphorus		975.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		24.										8.	6.	
			Zinc		219.										8.	6.	
022772	XCG-US	OSO2-42	Calcium	PV	4330.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		3300.										8.	6.	
			Sodium		69.										8.	6.	
			Potassium		1110.										8.	6.	
			Aluminum		12400.										8.	6.	
			Barium		134.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		17.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		229.										8.	6.	
			Iron		26700.										8.	6.	
			Lead		453.										8.	6.	
			Manganese		410.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		19.										8.	6.	
			Phosphorus		832.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		27.										8.	6.	
			Zinc		307.										8.	6.	
022773	XCG-US	OSO2-43	Calcium	PV	7730.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		4320.										8.	6.	
			Sodium		52.										8.	6.	
			Potassium		1400.										8.	6.	
			Aluminum		9820.										8.	6.	
			Barium		74.7										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Beryllium		0.5										8.	6.	
			Cadmium		2.										8.	6.	
			Chromium		18.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		**178.**										**8.**	**6.**	
			Iron		21700.										8.	6.	
			Lead		417.										8.	6.	
			Manganese		522.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		21.										8.	6.	
			Phosphorus		987.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		376.										8.	6.	
022774	XCG-US	OSO2-44	Calcium	PV	28900.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		11800.										8.	6.	
			Sodium		92.										8.	6.	
			Potassium		1560.										8.	6.	
			Aluminum		13400.										8.	6.	
			Barium		105.0										8.	6.	
			Beryllium		0.7										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		19.										8.	6.	
			Cobalt		11.										8.	6.	
			Copper		184.										8.	6.	
			Iron		27700.										8.	6.	
			Lead		219.										8.	6.	
			Manganese		561.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		27.										8.	6.	
			Phosphorus		629.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		28.										8.	6.	
			Zinc		233.										8.	6.	
022775	XCG-US	OSO2-45	Calcium	PV	7220.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		3240.										8.	6.	
			Sodium		53.										8.	6.	
			Potassium		1070.										8.	6.	
			Aluminum		9560.										8.	6.	
			Barium		104.0										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		25.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		171.										8.	6.	
			Iron		16500.										8.	6.	
			Lead		408.										8.	6.	
			Manganese		238.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		20.										8.	6.	
			Phosphorus		1180.										8.	6.	
			Silver		-1.0										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Thallium		-10.										8.	6.	
			Vanadium		21.										8.	6.	
			Zinc		388.										8.	6.	
022776	XCG-US	OSO2-46	Calcium	PV	5780.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		**2880.**										**8.**	**6.**	
			Sodium		102.										8.	6.	
			Potassium		1190.										8.	6.	
			Aluminum		13400.										8.	6.	
			Barium		186.0										8.	6.	
			Beryllium		0.9										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		18.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		184.										8.	6.	
			Iron		24600.										8.	6.	
			Lead		262.										8.	6.	
			Manganese		412.										8.	6.	
			Molybdenum		3.										8.	6.	
			Nickel		20.										8.	6.	
			Phosphorus		1050.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		33.										8.	6.	
			Zinc		257.										8.	6.	
022777	XCG-US	OSO2-47	Calcium	PV	3270.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		2650.										8.	6.	
			Sodium		61.										8.	6.	
			Potassium		896.										8.	6.	
			Aluminum		10900.										8.	6.	
			Barium		56.9										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		18.										8.	6.	
			Cobalt		6.										8.	6.	
			Copper		136.										8.	6.	
			Iron		21000.										8.	6.	
			Lead		289.										8.	6.	
			Manganese		296.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		18.										8.	6.	
			Phosphorus		544.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		280.										8.	6.	
022778	XCG-US	OSO2-48	Calcium	PV	20800.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		8890.										8.	6.	
			Sodium		64.										8.	6.	
			Potassium		1030.										8.	6.	
			Aluminum		10400.										8.	6.	
			Barium		85.6										8.	6.	
			Beryllium		0.5										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		19.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Cobalt		7.										8.	6.	
			Copper		195.										8.	6.	
			Iron		20000.										8.	6.	
			Lead		327.										8.	6.	
			Manganese		**358.**										**8.**	**6.**	
			Molybdenum		2.										8.	6.	
			Nickel		19.										8.	6.	
			Phosphorus		614.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		22.										8.	6.	
			Zinc		326.										8.	6.	
022779	XCG-US	OSO2-49	Calcium	PV	13500.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		7060.										8.	6.	
			Sodium		58.										8.	6.	
			Potassium		1330.										8.	6.	
			Aluminum		9700.										8.	6.	
			Barium		88.9										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		1.										8.	6.	
			Chromium		26.										8.	6.	
			Cobalt		7.										8.	6.	
			Copper		206.										8.	6.	
			Iron		21100.										8.	6.	
			Lead		465.										8.	6.	
			Manganese		409.										8.	6.	
			Molybdenum		1.										8.	6.	
			Nickel		20.										8.	6.	
			Phosphorus		734.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		23.										8.	6.	
			Zinc		407.										8.	6.	
022780	XCG-US	OSO2-50	Calcium	PV	30100.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		10900.										8.	6.	
			Sodium		78.										8.	6.	
			Potassium		1380.										8.	6.	
			Aluminum		12200.										8.	6.	
			Barium		89.8										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		17.										8.	6.	
			Cobalt		9.										8.	6.	
			Copper		150.										8.	6.	
			Iron		25300.										8.	6.	
			Lead		163.										8.	6.	
			Manganese		415.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		22.										8.	6.	
			Phosphorus		517.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		26.										8.	6.	
			Zinc		179.										8.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022781	XCG-US	OSO2-51	Calcium	PV	3300.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		3220.										8.	6.	
			Sodium		30.										8.	6.	
			Potassium		1230.										8.	6.	
			Aluminum		**11300.**										**8.**	**6.**	
			Barium		76.6										8.	6.	
			Beryllium		0.6										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		15.										8.	6.	
			Cobalt		8.										8.	6.	
			Copper		118.										8.	6.	
			Iron		24500.										8.	6.	
			Lead		187.										8.	6.	
			Manganese		394.										8.	6.	
			Molybdenum		2.										8.	6.	
			Nickel		18.										8.	6.	
			Phosphorus		589.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		26.										8.	6.	
			Zinc		162.										8.	6.	
022782	XCG-US	OSO2-52	Calcium	PV	2490.						02/05/02	SSX2	02/05/06	NR01	8.	6.	020506.prn
			Magnesium		5380.										8.	6.	
			Sodium		33.										8.	6.	
			Potassium		1630.										8.	6.	
			Aluminum		17600.										8.	6.	
			Barium		131.0										8.	6.	
			Beryllium		1.2										8.	6.	
			Cadmium		-1.										8.	6.	
			Chromium		21.										8.	6.	
			Cobalt		18.										8.	6.	
			Copper		43.										8.	6.	
			Iron		36200.										8.	6.	
			Lead		46.										8.	6.	
			Manganese		838.										8.	6.	
			Molybdenum		-1.										8.	6.	
			Nickel		32.										8.	6.	
			Phosphorus		325.										8.	6.	
			Silver		-1.0										8.	6.	
			Thallium		-10.										8.	6.	
			Vanadium		34.										8.	6.	
			Zinc		107.										8.	6.	
BL0502	INTERNAL		Calcium	PV	-20.	-99999	1040.	103.	1020.	102.	02/05/02	SSX2	02/05/06	NR01	$$$	$$$	020506.prn
			Magnesium		-5.	-99999	1100.	100.	1090.	99.					$$$	$$$	
			Sodium		-10.	-99999	997.	100.	983.	99.					$$$	$$$	
			Potassium		-100.	-99999	994.	109.	966.	106.					$$$	$$$	
			Aluminum		-3.	-99999	202.	100.	198.	98.					$$$	$$$	
			Barium		-0.5	-99999.	101.0	101.	99.7	100.					$$$	$$$	
			Beryllium		-0.1	-99999.	50.9	102.	50.2	100.					$$$	$$$	
			Cadmium		-1.	-99999	51.	102.	50.	100.					$$$	$$$	
			Chromium		-1.	-99999	102.	102.	100.	100.					$$$	$$$	
			Cobalt		-5.	-99999	105.	105.	103.	103.					$$$	$$$	
			Copper		-1.	-99999	101.	101.	100.	100.					$$$	$$$	
			Iron		-5.	-99999	1220.	102.	1210.	100.					$$$	$$$	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		-5.	-99999	103.	102.	102.	101.					$$$	$$$	
			Manganese		-1.	-99999	103.	103.	101.	101.					$$$	$$$	
			Molybdenum		-1.	-99999	51.	101.	50.	100.					$$$	$$$	
			Nickel		-5.	-99999	51.	103.	51.	103.					$$$	$$$	
			Phosphorus		**-10.**	**-99999**	**511.**	**102.**	**500.**	**99.**					**$$$**	**$$$**	
			Silver		-1.0	-99999.	51.2	102.	50.5	101.					$$$	$$$	
			Thallium		-10.	-99999	99.	99.	97.	98.					$$$	$$$	
			Vanadium		-1.	-99999	51.	102.	50.	100.					$$$	$$$	
			Zinc		-1.	-99999	200.	100.	196.	98.					$$$	$$$	
022783	XCG-US	OSO2-53	Calcium	PV	4740.	4690.	5610.	90.	5480.	77.	02/05/02	SSX3	02/05/06	NR01	7.	6.	*CTHSPK/INT* 020506.PR
			Magnesium		3380.	3360.	4530.	106.	4410.	94.					7.	6.	
			Sodium		31.	31.	1020.	99.	1010.	98.					7.	6.	
			Potassium		1370.	1350.	2390.	103.	2250.	88.					7.	6.	
			Aluminum		11300.	11200.	13500.	-99.	12900.	800.					7.	6.	
			Barium		88.0	86.5	186.0	99.	183.0	95.					7.	6.	
			Beryllium		0.6	0.6	50.8	100.	50.2	99.					7.	6.	
			Cadmium		-1.	-1.	51.	99.	50.	98.					7.	6.	
			Chromium		16.	17.	116.	100.	115.	98.					7.	6.	
			Cobalt		8.	7.	110.	102.	108.	101.					7.	6.	
			Copper		171.	168.	267.	97.	262.	93.					7.	6.	
			Iron		24800.	24200.	25600.	92.	25000.	39.					7.	6.	
			Lead		276.	272.	370.	96.	365.	91.					7.	6.	
			Manganese		350.	322.	434.	98.	421.	85.					7.	6.	
			Molybdenum		2.	2.	49.	95.	49.	95.					7.	6.	
			Nickel		20.	18.	71.	104.	70.	103.					7.	6.	
			Phosphorus		856.	843.	1220.	74.	1190.	68.					7.	6.	
			Silver		-1.0	-1.0	49.8	100.	49.0	98.					7.	6.	
			Thallium		-10.	-10.	98.	98.	95.	95.					7.	6.	
			Vanadium		27.	26.	78.	103.	77.	100.					7.	6.	
			Zinc		255.	253.	466.	106.	455.	101.					7.	6.	
022784	XCG-US	OSO2-BW6	Calcium	PV	4530.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		3260.										7.	6.	
			Sodium		30.										7.	6.	
			Potassium		1210.										7.	6.	
			Aluminum		10800.										7.	6.	
			Barium		85.1										7.	6.	
			Beryllium		0.6										7.	6.	
			Cadmium		-1.										7.	6.	
			Chromium		15.										7.	6.	
			Cobalt		7.										7.	6.	
			Copper		164.										7.	6.	
			Iron		24200.										7.	6.	
			Lead		272.										7.	6.	
			Manganese		322.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		17.										7.	6.	
			Phosphorus		793.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		26.										7.	6.	
			Zinc		241.										7.	6.	
022785	XCG-US	OSO2-54	Calcium	PV	3600.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		3280.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Sodium		33.										7.	6.	
			Potassium		1040.										7.	6.	
			Aluminum		11600.										7.	6.	
			Barium		88.3										7.	6.	
			Beryllium		0.6										7.	6.	
			Cadmium		-1.										7.	6.	
			Chromium		15.										7.	6.	
			Cobalt		9.										7.	6.	
			Copper		155.										7.	6.	
			Iron		26100.										7.	6.	
			Lead		230.										7.	6.	
			Manganese		467.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		17.										7.	6.	
			Phosphorus		574.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		28.										7.	6.	
			Zinc		191.										7.	6.	
022786	XCG-US	OSO2-55	Calcium	PV	76300.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		6120.										7.	6.	
			Sodium		95.										7.	6.	
			Potassium		702.										7.	6.	
			Aluminum		4480.										7.	6.	
			Barium		122.0										7.	6.	
			Beryllium		0.4										7.	6.	
			Cadmium		3.										7.	6.	
			Chromium		24.										7.	6.	
			Cobalt		-5.										7.	6.	
			Copper		310.										7.	6.	
			Iron		18500.										7.	6.	
			Lead		907.										7.	6.	
			Manganese		290.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		22.										7.	6.	
			Phosphorus		906.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		15.										7.	6.	
			Zinc		950.										7.	6.	
022787	XCG-US	OSO2-56	Calcium	PV	12700.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		3740.										7.	6.	
			Sodium		203.										7.	6.	
			Potassium		1110.										7.	6.	
			Aluminum		7880.										7.	6.	
			Barium		144.0										7.	6.	
			Beryllium		0.8										7.	6.	
			Cadmium		-1.										7.	6.	
			Chromium		14.										7.	6.	
			Cobalt		9.										7.	6.	
			Copper		173.										7.	6.	
			Iron		21200.										7.	6.	
			Lead		313.										7.	6.	
			Manganese		348.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Molybdenum		3.										7.	6.	
			Nickel		21.										7.	6.	
			Phosphorus		803.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		**-10.**										**7.**	**6.**	
			Vanadium		42.										7.	6.	
			Zinc		274.										7.	6.	
022788	XCG-US	OSO2-57	Calcium	PV	6380.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		2130.										7.	6.	
			Sodium		58.										7.	6.	
			Potassium		924.										7.	6.	
			Aluminum		7970.										7.	6.	
			Barium		161.0										7.	6.	
			Beryllium		0.4										7.	6.	
			Cadmium		2.										7.	6.	
			Chromium		24.										7.	6.	
			Cobalt		5.										7.	6.	
			Copper		479.										7.	6.	
			Iron		17700.										7.	6.	
			Lead		1240.										7.	6.	
			Manganese		282.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		21.										7.	6.	
			Phosphorus		781.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		19.										7.	6.	
			Zinc		944.										7.	6.	
022789	XCG-US	OSO2-58	Calcium	PV	3770.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		2320.										7.	6.	
			Sodium		39.										7.	6.	
			Potassium		751.										7.	6.	
			Aluminum		10100.										7.	6.	
			Barium		91.8										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		-1.										7.	6.	
			Chromium		14.										7.	6.	
			Cobalt		5.										7.	6.	
			Copper		231.										7.	6.	
			Iron		17900.										7.	6.	
			Lead		385.										7.	6.	
			Manganese		248.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		15.										7.	6.	
			Phosphorus		484.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		20.										7.	6.	
			Zinc		323.										7.	6.	
022790	XCG-US	OSO2-59	Calcium	PV	24600.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		6470.										7.	6.	
			Sodium		86.										7.	6.	
			Potassium		1130.										7.	6.	
			Aluminum		8650.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Barium		97.4										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		1.										7.	6.	
			Chromium		22.										7.	6.	
			Cobalt		**6.**										**7.**	**6.**	
			Copper		244.										7.	6.	
			Iron		20700.										7.	6.	
			Lead		554.										7.	6.	
			Manganese		422.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		18.										7.	6.	
			Phosphorus		724.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		21.										7.	6.	
			Zinc		681.										7.	6.	
022791	XCG-US	OSO2-60	Calcium	PV	17700.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		6730.										7.	6.	
			Sodium		106.										7.	6.	
			Potassium		898.										7.	6.	
			Aluminum		11200.										7.	6.	
			Barium		86.7										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		-1.										7.	6.	
			Chromium		14.										7.	6.	
			Cobalt		6.										7.	6.	
			Copper		112.										7.	6.	
			Iron		20400.										7.	6.	
			Lead		225.										7.	6.	
			Manganese		318.										7.	6.	
			Molybdenum		1.										7.	6.	
			Nickel		16.										7.	6.	
			Phosphorus		474.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		23.										7.	6.	
			Zinc		214.										7.	6.	
022792	XCG-US	OSO2-61	Calcium	PV	23400.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		10300.										7.	6.	
			Sodium		57.										7.	6.	
			Potassium		916.										7.	6.	
			Aluminum		6380.										7.	6.	
			Barium		64.7										7.	6.	
			Beryllium		0.3										7.	6.	
			Cadmium		-1.										7.	6.	
			Chromium		11.										7.	6.	
			Cobalt		-5.										7.	6.	
			Copper		86.										7.	6.	
			Iron		12200.										7.	6.	
			Lead		153.										7.	6.	
			Manganese		235.										7.	6.	
			Molybdenum		1.										7.	6.	
			Nickel		11.										7.	6.	
			Phosphorus		755.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		14.										7.	6.	
			Zinc		189.										7.	6.	
022793	**XCG-US**	**OSO2-62**	**Calcium**	**PV**	**16500.**						**02/05/02**	**SSX3**	**02/05/06**	**NR01**	**7.**	**6.**	**020506.prn**
			Magnesium		5510.										7.	6.	
			Sodium		64.										7.	6.	
			Potassium		876.										7.	6.	
			Aluminum		9680.										7.	6.	
			Barium		132.0										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		2.										7.	6.	
			Chromium		15.										7.	6.	
			Cobalt		6.										7.	6.	
			Copper		159.										7.	6.	
			Iron		20800.										7.	6.	
			Lead		349.										7.	6.	
			Manganese		296.										7.	6.	
			Molybdenum		1.										7.	6.	
			Nickel		18.										7.	6.	
			Phosphorus		941.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		22.										7.	6.	
			Zinc		393.										7.	6.	
022794	XCG-US	OSO2-63	Calcium	PV	8160.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		3430.										7.	6.	
			Sodium		68.										7.	6.	
			Potassium		986.										7.	6.	
			Aluminum		9760.										7.	6.	
			Barium		171.0										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		1.										7.	6.	
			Chromium		26.										7.	6.	
			Cobalt		7.										7.	6.	
			Copper		205.										7.	6.	
			Iron		21900.										7.	6.	
			Lead		773.										7.	6.	
			Manganese		323.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		18.										7.	6.	
			Phosphorus		726.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		23.										7.	6.	
			Zinc		540.										7.	6.	
022795	XCG-US	OSO2-64	Calcium	PV	3650.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		2020.										7.	6.	
			Sodium		73.										7.	6.	
			Potassium		500.										7.	6.	
			Aluminum		10300.										7.	6.	
			Barium		75.1										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		-1.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Chromium		11.										7.	6.	
			Cobalt		6.										7.	6.	
			Copper		173.										7.	6.	
			Iron		21500.										7.	6.	
			Lead		**158.**										**7.**	**6.**	
			Manganese		225.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		12.										7.	6.	
			Phosphorus		398.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		24.										7.	6.	
			Zinc		131.										7.	6.	
022796	XCG-US	OSO2-BW7	Calcium	PV	14500.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		6580.										7.	6.	
			Sodium		132.										7.	6.	
			Potassium		1790.										7.	6.	
			Aluminum		8840.										7.	6.	
			Barium		258.0										7.	6.	
			Beryllium		0.6										7.	6.	
			Cadmium		2.										7.	6.	
			Chromium		22.										7.	6.	
			Cobalt		7.										7.	6.	
			Copper		302.										7.	6.	
			Iron		21400.										7.	6.	
			Lead		886.										7.	6.	
			Manganese		339.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		21.										7.	6.	
			Phosphorus		1840.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		22.										7.	6.	
			Zinc		683.										7.	6.	
022797	XCG-US	OSO2-65	Calcium	PV	14100.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		6500.										7.	6.	
			Sodium		119.										7.	6.	
			Potassium		1750.										7.	6.	
			Aluminum		9160.										7.	6.	
			Barium		227.0										7.	6.	
			Beryllium		0.6										7.	6.	
			Cadmium		1.										7.	6.	
			Chromium		21.										7.	6.	
			Cobalt		7.										7.	6.	
			Copper		348.										7.	6.	
			Iron		21700.										7.	6.	
			Lead		987.										7.	6.	
			Manganese		356.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		23.										7.	6.	
			Phosphorus		1820.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		23.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Zinc		737.										7.	6.	
022798	XCG-US	OSO2-66	Calcium	PV	10600.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		4410.										7.	6.	
			Sodium		91.										7.	6.	
			Potassium		**1310.**										7.	6.	
			Aluminum		10000.										7.	6.	
			Barium		298.0										7.	6.	
			Beryllium		0.7										7.	6.	
			Cadmium		2.										7.	6.	
			Chromium		20.										7.	6.	
			Cobalt		7.										7.	6.	
			Copper		359.										7.	6.	
			Iron		22600.										7.	6.	
			Lead		768.										7.	6.	
			Manganese		345.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		18.										7.	6.	
			Phosphorus		1290.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		27.										7.	6.	
			Zinc		621.										7.	6.	
022799	XCG-US	OSO2-67	Calcium	PV	6800.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		4010.										7.	6.	
			Sodium		44.										7.	6.	
			Potassium		1210.										7.	6.	
			Aluminum		9390.										7.	6.	
			Barium		172.0										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		2.										7.	6.	
			Chromium		16.										7.	6.	
			Cobalt		7.										7.	6.	
			Copper		311.										7.	6.	
			Iron		21800.										7.	6.	
			Lead		688.										7.	6.	
			Manganese		449.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		21.										7.	6.	
			Phosphorus		844.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		22.										7.	6.	
			Zinc		545.										7.	6.	
022800	XCG-US	OSO2-68	Calcium	PV	4550.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		3420.										7.	6.	
			Sodium		50.										7.	6.	
			Potassium		1100.										7.	6.	
			Aluminum		12100.										7.	6.	
			Barium		178.0										7.	6.	
			Beryllium		0.6										7.	6.	
			Cadmium		1.										7.	6.	
			Chromium		14.										7.	6.	
			Cobalt		8.										7.	6.	
			Copper		134.										7.	6.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Iron		23900.										7.	6.	
			Lead		180.										7.	6.	
			Manganese		501.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		**20.**										**7.**	**6.**	
			Phosphorus		597.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		26.										7.	6.	
			Zinc		404.										7.	6.	
022801	XCG-US	OSO2-69	Calcium	PV	7140.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		3470.										7.	6.	
			Sodium		56.										7.	6.	
			Potassium		722.										7.	6.	
			Aluminum		8000.										7.	6.	
			Barium		72.8										7.	6.	
			Beryllium		0.4										7.	6.	
			Cadmium		1.										7.	6.	
			Chromium		13.										7.	6.	
			Cobalt		-5.										7.	6.	
			Copper		158.										7.	6.	
			Iron		17700.										7.	6.	
			Lead		412.										7.	6.	
			Manganese		240.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		15.										7.	6.	
			Phosphorus		1040.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		20.										7.	6.	
			Zinc		324.										7.	6.	
022802	XCG-US	OSO2-70	Calcium	PV	12400.						02/05/02	SSX3	02/05/06	NR01	7.	6.	020506.prn
			Magnesium		6190.										7.	6.	
			Sodium		79.										7.	6.	
			Potassium		674.										7.	6.	
			Aluminum		8460.										7.	6.	
			Barium		83.3										7.	6.	
			Beryllium		0.5										7.	6.	
			Cadmium		1.										7.	6.	
			Chromium		13.										7.	6.	
			Cobalt		5.										7.	6.	
			Copper		304.										7.	6.	
			Iron		19200.										7.	6.	
			Lead		527.										7.	6.	
			Manganese		295.										7.	6.	
			Molybdenum		2.										7.	6.	
			Nickel		15.										7.	6.	
			Phosphorus		600.										7.	6.	
			Silver		-1.0										7.	6.	
			Thallium		-10.										7.	6.	
			Vanadium		21.										7.	6.	
			Zinc		402.										7.	6.	
BL0502	INTERNAL		Calcium	PV	-20.	-99999	1010.	100.	1040.	103.	02/05/02	SSX3	02/05/06	NR01	$$$	$$$	020506.prn
			Magnesium		-5.	-99999	1080.	98.	1100.	100.					$$$	$$$	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Sodium		-10.	-99999	980.	100.	1000.	102.					$$$	$$$	
			Potassium		-100.	-99999	968.	96.	995.	99.					$$$	$$$	
			Aluminum		-3.	-99999	198.	99.	202.	101.					$$$	$$$	
			Barium		-0.5	-99999.	98.8	99.	101.0	101.					$$$	$$$	
			Beryllium		**-0.1**	**-99999.**	**50.0**	**100.**	**51.0**	**102.**					**$$$**	**$$$**	
			Cadmium		-1.	-99999	50.	99.	51.	101.					$$$	$$$	
			Chromium		-1.	-99999	100.	100.	102.	102.					$$$	$$$	
			Cobalt		-5.	-99999	103.	103.	105.	105.					$$$	$$$	
			Copper		-1.	-99999	99.	99.	101.	101.					$$$	$$$	
			Iron		-5.	-99999	1190.	99.	1230.	102.					$$$	$$$	
			Lead		-5.	-99999	100.	100.	103.	103.					$$$	$$$	
			Manganese		-1.	-99999	101.	100.	103.	103.					$$$	$$$	
			Molybdenum		-1.	-99999	49.	98.	51.	101.					$$$	$$$	
			Nickel		-5.	-99999	51.	103.	53.	107.					$$$	$$$	
			Phosphorus		-10.	-99999	497.	99.	507.	101.					$$$	$$$	
			Silver		-1.0	-99999.	50.2	100.	51.2	102.					$$$	$$$	
			Thallium		-10.	-99999	95.	93.	101.	99.					$$$	$$$	
			Vanadium		-1.	-99999	50.	100.	51.	101.					$$$	$$$	
			Zinc		-1.	-99999	196.	98.	200.	100.					$$$	$$$	

42 Tests for 6010-S with an MDL of 20 mg/kg Validated By NR Control Chart Updated N/A IO Requirements met N/A

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022803	XCG-US	OSO2-71	Calcium	PV	8810.	8790.	9760.	96.	9780.	98.	02/05/03	SSY1	02/05/06	NR01	8.	7.	*CTHSPK/INT* 020506.PR
			Magnesium		3960.	3860.	5230.	120.	5230.	120.					8.	7.	
			Sodium		113.	110.	1100.	99.	1090.	98.					8.	7.	
			Potassium		1310.	1300.	2410.	111.	2460.	116.					8.	7.	
			Aluminum		**10400.**	**10300.**	**12700.**	**-99.**	**12400.**	**-99.**					**8.**	**7.**	
			Barium		137.0	138.0	240.0	103.	233.0	96.					8.	7.	
			Beryllium		0.6	0.6	50.4	100.	50.4	100.					8.	7.	
			Cadmium		1.	2.	51.	100.	52.	100.					8.	7.	
			Chromium		21.	21.	120.	100.	122.	102.					8.	7.	
			Cobalt		7.	7.	109.	102.	109.	102.					8.	7.	
			Copper		273.	271.	385.	112.	366.	94.					8.	7.	
			Iron		23600.	23600.	25600.	164.	24700.	94.					8.	7.	
			Lead		810.	799.	915.	111.	887.	83.					8.	7.	
			Manganese		363.	360.	462.	100.	456.	95.					8.	7.	
			Molybdenum		2.	2.	50.	95.	50.	95.					8.	7.	
			Nickel		28.	27.	80.	104.	87.	119.					8.	7.	
			Phosphorus		1770.	1760.	2140.	75.	2100.	67.					8.	7.	
			Silver		-1.0	-1.0	49.4	98.	49.1	98.					8.	7.	
			Thallium		-10.	-10.	96.	92.	93.	90.					8.	7.	
			Vanadium		25.	25.	78.	104.	77.	103.					8.	7.	
			Zinc		626.	621.	846.	111.	817.	97.					8.	7.	
022804	XCG-US	OSO2-72	Calcium	PV	5810.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		4040.										8.	7.	
			Sodium		92.										8.	7.	
			Potassium		1270.										8.	7.	
			Aluminum		12700.										8.	7.	
			Barium		108.0										8.	7.	
			Beryllium		0.7										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		18.										8.	7.	
			Cobalt		9.										8.	7.	
			Copper		242.										8.	7.	
			Iron		27800.										8.	7.	
			Lead		792.										8.	7.	
			Manganese		582.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		21.										8.	7.	
			Phosphorus		550.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		30.										8.	7.	
			Zinc		359.										8.	7.	
022805	XCG-US	OSO2-73	Calcium	PV	27700.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		6100.										8.	7.	
			Sodium		54.										8.	7.	
			Potassium		1610.										8.	7.	
			Aluminum		11400.										8.	7.	
			Barium		85.9										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		19.										8.	7.	
			Cobalt		8.										8.	7.	
			Copper		190.										8.	7.	
			Iron		23800.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		408.										8.	7.	
			Manganese		480.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		23.										8.	7.	
			Phosphorus		**853.**										**8.**	**7.**	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		24.										8.	7.	
			Zinc		348.										8.	7.	
022806	XCG-US	OSO2-BW8	Calcium	PV	28700.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		6050.										8.	7.	
			Sodium		56.										8.	7.	
			Potassium		1630.										8.	7.	
			Aluminum		11300.										8.	7.	
			Barium		84.7										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		19.										8.	7.	
			Cobalt		7.										8.	7.	
			Copper		187.										8.	7.	
			Iron		23600.										8.	7.	
			Lead		393.										8.	7.	
			Manganese		463.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		24.										8.	7.	
			Phosphorus		853.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		24.										8.	7.	
			Zinc		338.										8.	7.	
022807	XCG-US	OSO2-74	Calcium	PV	56300.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		7220.										8.	7.	
			Sodium		64.										8.	7.	
			Potassium		1280.										8.	7.	
			Aluminum		11500.										8.	7.	
			Barium		87.2										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		1.										8.	7.	
			Chromium		17.										8.	7.	
			Cobalt		8.										8.	7.	
			Copper		203.										8.	7.	
			Iron		22500.										8.	7.	
			Lead		268.										8.	7.	
			Manganese		509.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		23.										8.	7.	
			Phosphorus		571.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		23.										8.	7.	
			Zinc		274.										8.	7.	
022808	XCG-US	OSO2-75	Calcium	PV	16500.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		8740.										8.	7.	
			Sodium		63.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Potassium		956.										8.	7.	
			Aluminum		9010.										8.	7.	
			Barium		75.1										8.	7.	
			Beryllium		0.5										8.	7.	
			Cadmium		**-1.**										8.	7.	
			Chromium		18.										8.	7.	
			Cobalt		6.										8.	7.	
			Copper		136.										8.	7.	
			Iron		19400.										8.	7.	
			Lead		349.										8.	7.	
			Manganese		392.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		17.										8.	7.	
			Phosphorus		821.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		21.										8.	7.	
			Zinc		392.										8.	7.	
022809	XCG-US	OSO2-76	Calcium	PV	12100.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		6260.										8.	7.	
			Sodium		49.										8.	7.	
			Potassium		668.										8.	7.	
			Aluminum		10200.										8.	7.	
			Barium		65.4										8.	7.	
			Beryllium		0.5										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		13.										8.	7.	
			Cobalt		7.										8.	7.	
			Copper		84.										8.	7.	
			Iron		20000.										8.	7.	
			Lead		159.										8.	7.	
			Manganese		311.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		15.										8.	7.	
			Phosphorus		478.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		21.										8.	7.	
			Zinc		206.										8.	7.	
022810	XCG-US	OSO2-77	Calcium	PV	4550.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		2470.										8.	7.	
			Sodium		31.										8.	7.	
			Potassium		1140.										8.	7.	
			Aluminum		10500.										8.	7.	
			Barium		72.6										8.	7.	
			Beryllium		0.5										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		13.										8.	7.	
			Cobalt		-5.										8.	7.	
			Copper		64.										8.	7.	
			Iron		18200.										8.	7.	
			Lead		183.										8.	7.	
			Manganese		256.										8.	7.	
			Molybdenum		1.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Nickel		14.										8.	7.	
			Phosphorus		580.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		**22.**										**8.**	**7.**	
			Zinc		170.										8.	7.	
022811	XCG-US	OSO2-78	Calcium	PV	2950.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		2810.										8.	7.	
			Sodium		31.										8.	7.	
			Potassium		878.										8.	7.	
			Aluminum		11000.										8.	7.	
			Barium		86.0										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		13.										8.	7.	
			Cobalt		8.										8.	7.	
			Copper		29.										8.	7.	
			Iron		22300.										8.	7.	
			Lead		75.										8.	7.	
			Manganese		285.										8.	7.	
			Molybdenum		-1.										8.	7.	
			Nickel		15.										8.	7.	
			Phosphorus		438.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		26.										8.	7.	
			Zinc		88.										8.	7.	
022812	XCG-US	OSO2-79	Calcium	PV	17800.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		7860.										8.	7.	
			Sodium		58.										8.	7.	
			Potassium		1600.										8.	7.	
			Aluminum		11200.										8.	7.	
			Barium		82.2										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		18.										8.	7.	
			Cobalt		7.										8.	7.	
			Copper		133.										8.	7.	
			Iron		23100.										8.	7.	
			Lead		297.										8.	7.	
			Manganese		429.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		22.										8.	7.	
			Phosphorus		800.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		25.										8.	7.	
			Zinc		292.										8.	7.	
022813	XCG-US	OSO2-80	Calcium	PV	36400.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		10200.										8.	7.	
			Sodium		76.										8.	7.	
			Potassium		1290.										8.	7.	
			Aluminum		12300.										8.	7.	
			Barium		88.9										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		20.										8.	7.	
			Cobalt		7.										8.	7.	
			Copper		**124.**										**8.**	**7.**	
			Iron		23000.										8.	7.	
			Lead		252.										8.	7.	
			Manganese		436.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		20.										8.	7.	
			Phosphorus		686.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		26.										8.	7.	
			Zinc		249.										8.	7.	
022814	XCG-US	OS02-81	Calcium	PV	6120.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		4460.										8.	7.	
			Sodium		49.										8.	7.	
			Potassium		1370.										8.	7.	
			Aluminum		12100.										8.	7.	
			Barium		88.5										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		18.										8.	7.	
			Cobalt		8.										8.	7.	
			Copper		142.										8.	7.	
			Iron		26200.										8.	7.	
			Lead		264.										8.	7.	
			Manganese		462.										8.	7.	
			Molybdenum		1.										8.	7.	
			Nickel		23.										8.	7.	
			Phosphorus		758.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		27.										8.	7.	
			Zinc		260.										8.	7.	
022815	XCG-US	OS02-82	Calcium	PV	7890.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		5270.										8.	7.	
			Sodium		55.										8.	7.	
			Potassium		1240.										8.	7.	
			Aluminum		12800.										8.	7.	
			Barium		90.5										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		17.										8.	7.	
			Cobalt		9.										8.	7.	
			Copper		128.										8.	7.	
			Iron		27200.										8.	7.	
			Lead		198.										8.	7.	
			Manganese		570.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		21.										8.	7.	
			Phosphorus		560.										8.	7.	
			Silver		-1.0										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Thallium		-10.										8.	7.	
			Vanadium		29.										8.	7.	
			Zinc		210.										8.	7.	
022816	XCG-US	OSO2-83	Calcium	PV	8250.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		**4700.**										**8.**	**7.**	
			Sodium		49.										8.	7.	
			Potassium		1410.										8.	7.	
			Aluminum		10500.										8.	7.	
			Barium		79.8										8.	7.	
			Beryllium		0.5										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		15.										8.	7.	
			Cobalt		6.										8.	7.	
			Copper		48.										8.	7.	
			Iron		19600.										8.	7.	
			Lead		147.										8.	7.	
			Manganese		296.										8.	7.	
			Molybdenum		-1.										8.	7.	
			Nickel		17.										8.	7.	
			Phosphorus		658.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		21.										8.	7.	
			Zinc		175.										8.	7.	
022817	XCG-US	OSO2-BW9	Calcium	PV	8470.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		5170.										8.	7.	
			Sodium		54.										8.	7.	
			Potassium		1710.										8.	7.	
			Aluminum		11700.										8.	7.	
			Barium		82.7										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		16.										8.	7.	
			Cobalt		6.										8.	7.	
			Copper		50.										8.	7.	
			Iron		20500.										8.	7.	
			Lead		150.										8.	7.	
			Manganese		298.										8.	7.	
			Molybdenum		1.										8.	7.	
			Nickel		18.										8.	7.	
			Phosphorus		707.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		23.										8.	7.	
			Zinc		185.										8.	7.	
022818	XCG-US	OSO2-84	Calcium	PV	11500.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		7390.										8.	7.	
			Sodium		65.										8.	7.	
			Potassium		1730.										8.	7.	
			Aluminum		14700.										8.	7.	
			Barium		106.0										8.	7.	
			Beryllium		0.7										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		18.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Cobalt		9.										8.	7.	
			Copper		44.										8.	7.	
			Iron		27200.										8.	7.	
			Lead		113.										8.	7.	
			Manganese		478.										8.	7.	
			Molybdenum		1.										8.	7.	
			Nickel		22.										8.	7.	
			Phosphorus		643.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		28.										8.	7.	
			Zinc		155.										8.	7.	
022819	XCG-US	OSO2-85	Calcium	PV	5150.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		3230.										8.	7.	
			Sodium		62.										8.	7.	
			Potassium		1450.										8.	7.	
			Aluminum		12600.										8.	7.	
			Barium		78.4										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		16.										8.	7.	
			Cobalt		6.										8.	7.	
			Copper		65.										8.	7.	
			Iron		22400.										8.	7.	
			Lead		182.										8.	7.	
			Manganese		227.										8.	7.	
			Molybdenum		1.										8.	7.	
			Nickel		19.										8.	7.	
			Phosphorus		903.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		25.										8.	7.	
			Zinc		221.										8.	7.	
022820	XCG-US	OSO2-86	Calcium	PV	2500.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		4720.										8.	7.	
			Sodium		56.										8.	7.	
			Potassium		1560.										8.	7.	
			Aluminum		19300.										8.	7.	
			Barium		112.0										8.	7.	
			Beryllium		0.8										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		20.										8.	7.	
			Cobalt		13.										8.	7.	
			Copper		22.										8.	7.	
			Iron		35600.										8.	7.	
			Lead		35.										8.	7.	
			Manganese		303.										8.	7.	
			Molybdenum		-1.										8.	7.	
			Nickel		24.										8.	7.	
			Phosphorus		293.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		34.										8.	7.	
			Zinc		87.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
022821	XCG-US	OSO2-87	Calcium	PV	10800.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		3280.										8.	7.	
			Sodium		77.										8.	7.	
			Potassium		1650.										8.	7.	
			Aluminum		**10700.**										8.	7.	
			Barium		89.1										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		2.										8.	7.	
			Chromium		19.										8.	7.	
			Cobalt		8.										8.	7.	
			Copper		503.										8.	7.	
			Iron		23600.										8.	7.	
			Lead		1190.										8.	7.	
			Manganese		387.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		26.										8.	7.	
			Phosphorus		1000.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		26.										8.	7.	
			Zinc		889.										8.	7.	
022822	XCG-US	OSO2-88	Calcium	PV	6440.						02/05/03	SSY1	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		3920.										8.	7.	
			Sodium		65.										8.	7.	
			Potassium		1440.										8.	7.	
			Aluminum		13800.										8.	7.	
			Barium		95.1										8.	7.	
			Beryllium		0.7										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		18.										8.	7.	
			Cobalt		10.										8.	7.	
			Copper		809.										8.	7.	
			Iron		30700.										8.	7.	
			Lead		834.										8.	7.	
			Manganese		427.										8.	7.	
			Molybdenum		3.										8.	7.	
			Nickel		28.										8.	7.	
			Phosphorus		550.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		33.										8.	7.	
			Zinc		666.										8.	7.	
BL0503	INTERNAL		Calcium	PV	-20.	-99999	1020.	101.	1020.	102.	02/05/03	SSY1	02/05/06	NR01	$$$	$$$	020506.prn
			Magnesium		-5.	-99999	1070.	97.	1080.	98.					$$$	$$$	
			Sodium		-10.	-99999	964.	97.	975.	98.					$$$	$$$	
			Potassium		-100.	-99999	912.	95.	955.	99.					$$$	$$$	
			Aluminum		-3.	-99999	196.	98.	197.	99.					$$$	$$$	
			Barium		-0.5	-99999.	97.4	97.	98.4	98.					$$$	$$$	
			Beryllium		-0.1	-99999.	49.5	99.	50.0	100.					$$$	$$$	
			Cadmium		-1.	-99999	50.	99.	50.	100.					$$$	$$$	
			Chromium		-1.	-99999	99.	100.	100.	100.					$$$	$$$	
			Cobalt		-5.	-99999	103.	103.	104.	104.					$$$	$$$	
			Copper		-1.	-99999	98.	98.	99.	99.					$$$	$$$	
			Iron		-5.	-99999	1190.	99.	1190.	99.					$$$	$$$	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Lead		-5.	-99999	102.	103.	103.	104.					$$$	$$$	
			Manganese		-1.	-99999	100.	100.	101.	101.					$$$	$$$	
			Molybdenum		-1.	-99999	49.	97.	50.	99.					$$$	$$$	
			Nickel		-5.	-99999	52.	104.	51.	102.					$$$	$$$	
			Phosphorus		**-10.**	**-99999**	**492.**	**98.**	**502.**	**100.**					**$$$**	**$$$**	
			Silver		-1.0	-99999.	49.7	100.	50.2	101.					$$$	$$$	
			Thallium		-10.	-99999	95.	93.	**95.**	94.					$$$	$$$	
			Vanadium		-1.	-99999	49.	99.	**50.**	100.					$$$	$$$	
			Zinc		-1.	-99999	195.	98.	197.	99.					$$$	$$$	
022823	XCG-US	OSO2-89	Calcium	PV	8470.	8520.	9380.	88.	9090.	59.	02/05/03	SSY2	02/05/06	NR01	8.	7.	*CTHSPK/INT* 020506.PR
			Magnesium		4210.	4300.	5750.	136.	5560.	119.					8.	7.	
			Sodium		77.	77.	1090.	101.	1060.	98.					8.	7.	
			Potassium		1400.	1420.	2640.	123.	2380.	97.					8.	7.	
			Aluminum		12200.	12500.	14800.	-99.	13800.	702.					8.	7.	
			Barium		78.1	79.9	181.0	102.	177.0	99.					8.	7.	
			Beryllium		0.6	0.6	51.0	101.	49.7	98.					8.	7.	
			Cadmium		-1.	-1.	50.	100.	49.	97.					8.	7.	
			Chromium		19.	18.	119.	100.	115.	96.					8.	7.	
			Cobalt		7.	8.	112.	104.	106.	99.					8.	7.	
			Copper		93.	95.	194.	100.	190.	96.					8.	7.	
			Iron		24600.	24900.	25900.	99.	24900.	13.					8.	7.	
			Lead		206.	207.	301.	94.	286.	80.					8.	7.	
			Manganese		438.	445.	541.	99.	543.	102.					8.	7.	
			Molybdenum		2.	2.	50.	96.	49.	94.					8.	7.	
			Nickel		19.	18.	70.	103.	66.	95.					8.	7.	
			Phosphorus		680.	714.	1090.	78.	1050.	71.					8.	7.	
			Silver		-1.0	-1.0	50.0	100.	48.7	98.					8.	7.	
			Thallium		-10.	-10.	96.	94.	94.	92.					8.	7.	
			Vanadium		27.	28.	80.	105.	77.	99.					8.	7.	
			Zinc		241.	247.	444.	100.	432.	94.					8.	7.	
022824	XCG-US	OSO2-90	Calcium	PV	4480.						02/05/03	SSY2	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		3280.										8.	7.	
			Sodium		89.										8.	7.	
			Potassium		1020.										8.	7.	
			Aluminum		12900.										8.	7.	
			Barium		80.2										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		15.										8.	7.	
			Cobalt		8.										8.	7.	
			Copper		78.										8.	7.	
			Iron		25300.										8.	7.	
			Lead		168.										8.	7.	
			Manganese		469.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		16.										8.	7.	
			Phosphorus		459.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		28.										8.	7.	
			Zinc		172.										8.	7.	
022825	XCG-US	OSO2-91	Calcium	PV	8740.						02/05/03	SSY2	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		3790.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Sodium		64.										8.	7.	
			Potassium		1180.										8.	7.	
			Aluminum		11200.										8.	7.	
			Barium		109.0										8.	7.	
			Beryllium		**0.6**										**8.**	**7.**	
			Cadmium		2.										8.	7.	
			Chromium		22.										8.	7.	
			Cobalt		7.										8.	7.	
			Copper		278.										8.	7.	
			Iron		24200.										8.	7.	
			Lead		617.										8.	7.	
			Manganese		393.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		22.										8.	7.	
			Phosphorus		774.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		26.										8.	7.	
			Zinc		694.										8.	7.	
022826	XCG-US	OSO2-92	Calcium	PV	33000.						02/05/03	SSY2	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		11800.										8.	7.	
			Sodium		90.										8.	7.	
			Potassium		1650.										8.	7.	
			Aluminum		12800.										8.	7.	
			Barium		108.0										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		32.										8.	7.	
			Cobalt		10.										8.	7.	
			Copper		461.										8.	7.	
			Iron		27800.										8.	7.	
			Lead		400.										8.	7.	
			Manganese		705.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		27.										8.	7.	
			Phosphorus		584.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		28.										8.	7.	
			Zinc		538.										8.	7.	
022827	XCG-US	OSO2-93	Calcium	PV	5410.						02/05/03	SSY2	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		2820.										8.	7.	
			Sodium		83.										8.	7.	
			Potassium		1200.										8.	7.	
			Aluminum		12000.										8.	7.	
			Barium		80.5										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		17.										8.	7.	
			Cobalt		7.										8.	7.	
			Copper		175.										8.	7.	
			Iron		24100.										8.	7.	
			Lead		406.										8.	7.	
			Manganese		466.										8.	7.	

Zenon Number	Client	Client ID	Parameter	TS	Result	Dup.	Spike	% Rec.	Dup. Spk	% Rec.	Batch Date	Batch Code	Run Date	Run Code	Day Old	Day In	Analyst's Comments
			Molybdenum		2.										8.	7.	
			Nickel		16.										8.	7.	
			Phosphorus		866.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		**-10.**										**8.**	**7.**	
			Vanadium		28.										8.	7.	
			Zinc		366.										8.	7.	
022828	XCG-US	**OS**02-94	Calcium	PV	3350.						02/05/03	SSY2	02/05/06	NR01	8.	7.	020506.prn
			Magnesium		3000.										8.	7.	
			Sodium		66.										8.	7.	
			Potassium		1140.										8.	7.	
			Aluminum		13300.										8.	7.	
			Barium		86.6										8.	7.	
			Beryllium		0.6										8.	7.	
			Cadmium		-1.										8.	7.	
			Chromium		16.										8.	7.	
			Cobalt		9.										8.	7.	
			Copper		159.										8.	7.	
			Iron		26700.										8.	7.	
			Lead		235.										8.	7.	
			Manganese		578.										8.	7.	
			Molybdenum		2.										8.	7.	
			Nickel		18.										8.	7.	
			Phosphorus		569.										8.	7.	
			Silver		-1.0										8.	7.	
			Thallium		-10.										8.	7.	
			Vanadium		30.										8.	7.	
			Zinc		255.										8.	7.	
BL0503	INTERNAL		Calcium	PV	-20.	-99999	1040.	103.	1050.	104.	02/05/03	SSY2	02/05/06	NR01	$$$	$$$	020506.prn
			Magnesium		-5.	-99999	1080.	98.	1100.	100.					$$$	$$$	
			Sodium		-10.	-99999	986.	99.	1000.	100.					$$$	$$$	
			Potassium		-100.	-99999	981.	102.	994.	103.					$$$	$$$	
			Aluminum		-3.	-99999	199.	99.	203.	101.					$$$	$$$	
			Barium		-0.5	-99999.	98.8	99.	101.0	101.					$$$	$$$	
			Beryllium		-0.1	-99999.	50.3	101.	51.1	102.					$$$	$$$	
			Cadmium		-1.	-99999	50.	99.	51.	101.					$$$	$$$	
			Chromium		-1.	-99999	100.	100.	102.	102.					$$$	$$$	
			Cobalt		-5.	-99999	104.	104.	106.	106.					$$$	$$$	
			Copper		-1.	-99999	100.	100.	102.	102.					$$$	$$$	
			Iron		-5.	-99999	1210.	101.	1230.	102.					$$$	$$$	
			Lead		-5.	-99999	100.	101.	105.	106.					$$$	$$$	
			Manganese		-1.	-99999	100.	100.	102.	102.					$$$	$$$	
			Molybdenum		-1.	-99999	50.	100.	50.	101.					$$$	$$$	
			Nickel		-5.	-99999	51.	103.	52.	105.					$$$	$$$	
			Phosphorus		-10.	-99999	507.	100.	512.	101.					$$$	$$$	
			Silver		-1.0	-99999.	50.4	101.	51.4	103.					$$$	$$$	
			Thallium		-10.	-99999	97.	97.	98.	98.					$$$	$$$	
			Vanadium		-1.	-99999	50.	99.	51.	101.					$$$	$$$	
			Zinc		-1.	-99999	199.	99.	202.	101.					$$$	$$$	

28 Tests for 6010-S with an MDL of 20 mg/kg Validated By NE Control Chart Updated N/A IO Requirements met N/A

Effective 001017

EPA 3050B SOIL PREPARATION LOG

DG3050B

Check List

- [ ] Digest Code done/Tubes labeled
- [ ] Samples weighed out
- [ ] Samples spiked
- [ ] Acids added
- [ ] Samples digested
- [ ] Peroxide step performed
- [ ] HCL acid added
- [ ] Samples bulked/centrifuged
- [ ] Rack order checked

	#	Sample I.D.	B.Code	Init.Wt.	F. Vol.	Dil.	Comment
	1	BL 022803	SSX4	0.5	50 ml.	100	
	2	BL S	SSY1	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	3	BL DS	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	4	External Reference Material		0.500	"	"	ERA 244
1	5	22803	"	0.500	"	"	
1	6	D	"	0.503	"	"	
1	7	S	"	0.505	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
1	8	DS	"	0.505	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
2	9	04	"	0.501	"	"	
3	10	05	"	0.505	"	"	
4	11	06	"	0.503	"	"	
5	12	07	"	0.496	"	"	
6	13	08	"	0.504	"	"	
	14	09	"	0.500	"	"	
8	15	10	"	0.504	"	"	
9	16	11	"	0.503	"	"	
10	17	12	"	0.503	"	"	
11	18	13	"	0.500	"	"	
12	19	14	"	0.504	"	"	
13	20	15	"	0.497	"	"	
14	21	16	"	0.500	"	"	
15	22	17	"	0.498	"	"	
16	23	18	"	0.505	"	"	
17	24	19	"	0.504	"	"	
18	25	20	"	0.503	"	"	
19	26	21	"	0.503	"	"	
20	27	22	"	0.500	"	"	

Notes:

***DO NOT CENTRIFUGE THE FINAL DIGEST AT SPEEDS GREATER THAN 2000 RPM

Effective 001017

EPA 3050B SOIL PREPARATION LOG

DG3050B

Check List

- [x] Digest Code done/Tubes labeled
- [x] Samples weighed out
- [x] Samples spiked
- [ ] Acids added
- [x] Samples digested
- [x] Peroxide step performed
- [ ] HCL acid added
- [x] Samples bulked/centrifuged
- [x] Rack order checked

#	Sample I.D.	B.Code	Init.Wt.	F. Vol.	Dil.	Comment
1	BL 0503	SSX5	0.5	50 ml.	100	23341, 22325
2	BL S	SS42	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
3	BL DS	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
4	External Reference Material		"	"	"	
1 5	22823	"	0.503	"	"	
1 6	D	"	0.505	"	"	
1 7	S	"	0.499	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
1 8	DS	"	0.505	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
2 9	24	"	0.504	"	"	
3 10	25	"	0.500	"	"	
4 11	26	"	0.501	"	"	
5 12	27	"	0.503	"	"	
6 13	28	"	0.500	"	"	
14	23342	"	0.497	"	"	
8 15	43	"	0.500	"	"	
9 16	44	"	0.503	"	"	
10 17	45	"	0.505	"	"	
11 18	46	"	0.503	"	"	
12 19	47	"	0.505	"	"	
13 20	48	"	0.498	"	"	
14 21	49	"	0.504	"	"	
15 22	50	"	0.501	"	"	
16 23	22326	"	0.501	"	"	
17 24	26D	"	0.503	"	"	
18 25	26S	"	0.503	"	"	
19 26	26DS	"	0.505	"	"	
20 27	22327	"	0.505	"	"	

Notes:

***DO NOT CENTRIFUGE THE FINAL DIGEST AT SPEEDS GREATER THAN 2000 RPM

Revision 1
Effective 001017

EPA 3050B SOIL PREPARATION LOG

DG3050B

Check List
- ✓ Digest Code done/Tubes labeled
- ✓ Samples weighed out
- ✓ Samples spiked
- ☐ Acids added
- ✓ Samples digested
- ✓ Peroxide step performed
- ✓ HCL acid added
- ✓ Samples bulked/centrifuged
- ✓ Rack order checked

	#	Sample I.D.	B.Code	Init.Wt.	F. Vol.	Dil.	Comment
	1	BL 0502	55x2	0.5	50 ml.	100	
	2	BL S	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	3	BL DS	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	4	External Reference Material		"	"	"	
1	5	22763	"	0.499	"	"	
1	6	D	"	0.505	"	"	
1	7	S	"	0.500	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
1	8	DS	"	0.501	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
2	9	64	"	0.500	"	"	
3	10	65	"	0.505	"	"	
4	11	66	"	0.498	"	"	
5	12	67	"	0.503	"	"	
6	13	68	"	0.497	"	"	
	14	69	"	0.499	"	"	
8	15	70	"	0.505	"	"	
9	16	71	"	0.505	"	"	
10	17	72	"	0.502	"	"	
11	18	73	"	0.500	"	"	
12	19	74	"	0.503	"	"	
13	20	75	"	0.500	"	"	
14	21	76	"	0502	"	"	
15	22	77	"	0.504	"	"	
16	23	78	"	0.505	"	"	
17	24	79	"	0.504	"	"	
18	25	80	"	0.500	"	"	
19	26	81	"	0.505	"	"	
20	27	82	"	0.505	"	"	

Notes:

***DO NOT CENTRIFUGE THE FINAL DIGEST AT SPEEDS GREATER THAN 2000 RPM

Effective 001017

EPA 3050B SOIL PREPARATION LOG

DG3050B

Check List

- [x] Digest Code done/Tubes labeled
- [x] Samples weighed out
- [x] Samples spiked
- [x] Acids added

- [x] Samples digested
- [x] Peroxide step performed
- [x] HCL acid added
- [x] Samples bulked/centrifuged
- [x] Rack order checked

	#	Sample I.D.	B.Code	Init.Wt.	F. Vol.	Dil.	Comment
	1	BL 0502	SSx3	0.5	50 ml.	100	
	2	BL S	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	3	BL DS	"	"	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
	4	External Reference Material		0.502	"	"	ERA 249
1	5	22783	"	0.505	"	"	
1	6	D	"	0.505	"	"	
1	7	S	"	0.500	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
1	8	DS	"	0.498	"	"	(ICP Spike) 100 ul. Of "QCA" + 100 ul. Of "QCB"
2	9	84	"	0.505	"	"	
3	10	85	"	0.500	"	"	
4	11	86	"	0.505	"	"	
5	12	87	"	0.505	"	"	
6	13	88	"	0.505	"	"	
	14	89	"	0.505	"	"	
8	15	90	"	0.500	"	"	
9	16	91	"	0.504	"	"	
10	17	92	"	0.502	"	"	
11	18	93	"	0.505	"	"	
12	19	94	"	0.500	"	"	
13	20	95	"	0.500	"	"	
14	21	96	"	0.500	"	"	
15	22	97	"	0.498	"	"	
16	23	98	"	0.504	"	"	
17	24	99	"	0.505	"	"	
18	25	22800	"	0.505	"	"	
19	26	01	"	0.503	"	"	
20	27	02	"	0.502	"	"	

Notes:

***DO NOT CENTRIFUGE THE FINAL DIGEST AT SPEEDS GREATER THAN 2000 RPM

ICP AUTOSAMPLER RUN LOG Analyst: NR Run Date: 020506 Run Code: NR01

R2	PASC I.D.	DILUTION	BATCH
1	BL0503	100 x	SSY2
2	BL0503S		
3	BL0503X		
4	ERA 249		
5	022326		
6	326D		
7	326S		
8	326X		
9	327	100/500	
10	DC 327	2500 x	
11	022823	100x	
12	823D		
13	823S		
14	823x		
15	324		
16	825		
17	826		
18	827		
19	828		
20	023342		
21	343		
22	344		
23	345		
24	346		
25	347		
26	348		
27	349		
28	350		
29	DC 350	500x	
30	BL0501	1 x	STB1
31	BL0501S	1	
32	023510	5x	
33	R 023557	12x	
34	R 585	12x	
35	BL0506	100x	SSA6
36	BL0506S		
37	ERA 249		
38	023960		
39	960D		
40	960S		
41	961		
42	963		
43	964		
44	024103	1000x	
45	016865	100x	
46	024386		
47	387		
48	BL0502	100x	SSX2
49	BL0502S		
50	BL0502X		
51	022763		
52	763D		
53	763S		
54	763X		
55	764		
56	765		
57	766		
58	767		
59	768		
60	022769	↓	

R3	PASC I.D.	DILUTION	BATCH
1	022780 NR	100x	SSX2
2	771		
3	772		
4	773		
5	774		
6	775		
7	776		
8	777		
9	778		
10	779		
11	780		
12	781		
13	782		
14	BL0502	100x	SSX3
15	BL0503S		
16	BL0503X		
17	ERA249		
18	022783		
19	783D		
20	783S		
21	783x		
22	784		
23	785		
24	786		
25	787		
26	788		
27	789		
28	790		
29	791		
30	792		
31	793		
32	794		
33	795		
34	796		
35	797		
36	798		
37	799		
38	300		
39	801		
40	802		
41	BL0503	100x	SSY1
42	BL0503S		
43	BL0503X		
44	ERA 249		
45	022803		
46	803D		
47	803S		
48	803X		
49	804		
50	805		
51	806		
52	807		
53	808		
54	809		
55	810		
56	811		
57	812		
58	813		
59	814		
60	022815	↓	

33	STDLOW
42	STDAHIGH
33	STDBHIGH
18	ICVA
16	ICVB

49	ICSA
43	ICSAB
103	CCVA
100	CCVB
120	CCB/ICB

(HF matrix standards are prepared fresh for each day's analysis as required)

R4	PASC I.D.	DILUTION	BATCH
1	022816	100X	SSA1
2	817		
3	818		
4	819		
5	820		
6	821		
7	822		
8	BLO503	1 x	STA1
9	BLO503S		
10	024320		
11	320D		
12	320S		
13	321		
14	384		
15	023531		
16	532	10x	
17	533	10x	
18	534	10x	
19	535	1x	
20	536		
21	537		
22	BLO502	1 x	STA1
23	BLO502S		
24	024005		
25	005D		
26	005S		
27	023920		
28	921		
29	922	10x	
30	923	10x	
31	924	10x	
32	925	10x	
33	926	10x	
34	927	10x	
35	977	1x	
36	BLO502	1 x	STA2
37	BLO502S		
38	023285		
39	285D		
40	285S		
41	022980	10x	
42	023286	1x	
43	287		
44	288		
45	289		
46	290		
47	291		
48	292		
49	023530		
50	BLO502	1 x	STA3
51	BLO502S		
52	023550		
53	550D		
54	550S		
55	551		
56	552		
57	553		
58	526		
59	527		
60	023528	↓	

R5	PASC I.D.	DILUTION	BATCH
1	023708	1x	STA3
2	709		
3	710		
4	BLO501	50x	MNF2
5	BLO501S		
6	023021		
7	REP 021D		
8	PDS 021S		
9	022		
10	BLO503	600x	IRV1
11	BLO503S		
12	BLO503X		
13	023243		
14	DC 023243D	3000x	
15	243D	600x	
16	243S		
17	243X		
18	BLO506	2x	SSB1
19	BLO506S		
20	024756		
21	756D		
22	PDS 756S		
23	757		
24	758		
25	BLO506	100x	SSA1
26	BLO506S		
27	~~ERA 247~~ NC.	ANALYZED WITH SSA6	
28	023676		
29	676D		
30	676S		
31	677		
32	678		
33	679		
34	680		
35	BLO506	100x	SSA2
36	BLO506S		
37	023742		
38	742D		
39	742S		
40	743		
41	744		
42	745		
43	746		
44	022980	50x	STA2
45	R 980	2500x	↓
46	R BLO503	600x	IRV1
47			
48	NC.		
49			
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60			

0502 AS, C

0503 Cu

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/06/02 09:37:59
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0235	-.0016	.0146	.0030	.00012	.0007	.0311
SDev	.0074	.0258	.0053	.0039	.00033	.0015	.0684
%RSD	31.37	1652.	36.38	129.9	270.97	227.9	219.7
#1	.0150	-.0187	.0165	.0007	-.00007	.0024	-.0148
#2	.0275	.0281	.0186	.0075	.00051	-.0003	Q.1097
#3	.0280	-.0140	.0086	.0007	-.00007	-.0001	-.0015

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	.0083	.0125	Q.1949	.0416	.0004	.0007
SDev	.0186	.0169	.0205	.1611	.0769	.0003	.0005
%RSD	180.7	203.4	163.6	82.69	184.9	86.60	69.35
#1	-.0005	-.0015	.0010	Q.3708	-.0020	.0002	.0009
#2	.0317	.0278	.0362	Q.1595	Q.1303	.0008	.0009
#3	-.0004	-.0014	.0003	Q.0544	-.0036	.0002	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0087	.0127	Q1.060	.0440	.0020	Q-.0989	.0249
SDev	.0048	.0132	3.947	.0925	.0023	.0472	.0383
%RSD	55.16	104.1	372.4	210.2	115.8	47.75	153.8
#1	.0051	.0044	Q-1.323	-.0187	.0007	Q-.1531	-.0073
#2	.0141	.0279	Q5.616	Q.1502	.0047	Q-.0670	.0672
#3	.0068	.0058	Q-1.112	.0005	.0007	Q-.0765	.0148

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0091	.0013	-.0096	.0228	-.0016	.0068	Q.0813
SDev	.0183	.0011	.0168	.0381	.0040	.0187	.0216
%RSD	200.8	88.75	174.5	167.0	243.0	276.0	26.52
#1	-.0024	.0020	-.0216	.0223	-.0062	-.0004	Q.0570
#2	.0303	.0019	.0096	Q.0612	.0007	.0280	Q.0891
#3	-.0004	-.0000	-.0168	-.0150	.0007	-.0073	Q.0980

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1333	.0011	.0153	.0043	-.0008	.0102
SDev	.0516	.0017	.0113	.0085	.0000	.0133
%RSD	38.74	156.1	73.80	197.9	.0162	129.9
#1	Q.0886	-.0003	.0283	-.0006	-.0008	.0057
#2	Q.1215	.0030	.0082	.0141	-.0008	.0252
#3	Q.1898	.0006	.0094	-.0006	-.0008	-.0002

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/06/02 09:41:49
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0275	-.0187	.0068	.0007	.00007	-.0004	.0089
SDev	.0181	.0124	.0056	.0000	.00012	.0004	.0156
%RSD	66.05	66.14	81.35	.0063	165.09	108.2	175.9
#1	.0143	-.0234	.0087	.0007	-.00006	-.0001	-.0059
#2	.0200	-.0281	.0112	.0007	.00014	-.0002	.0074
#3	.0481	-.0047	.0006	.0007	.00014	-.0009	.0252

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0016	.0017	.0217	-.0106	.0002	.0001
SDev	.0053	.0037	.0033	.0009	.0135	.0000	.0000
%RSD	481.5	238.0	190.8	4.124	127.7	.0000	.0224
#1	-.0044	-.0022	-.0017	.0223	-.0246	.0002	.0001
#2	.0015	.0017	.0021	.0207	-.0096	.0002	.0001
#3	.0061	.0052	.0049	.0223	.0024	.0002	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	.0030	Q-1.307	.0149	.0022	-.0446	-.0034
SDev	.0046	.0037	.632	.0235	.0022	.0362	.0430
%RSD	102.5	122.1	48.37	157.9	100.7	81.11	1276.
#1	.0085	.0058	Q-1.589	-.0058	.0007	Q-.0861	-.0417
#2	.0057	-.0012	Q-1.748	.0101	.0012	-.0287	.0431
#3	-.0006	.0044	-.5827	.0404	.0047	-.0191	-.0115

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0010	-.0136	-.0078	-.0026	-.0200	Q.0835
SDev	.0032	.0010	.0050	.0045	.0021	.0098	.0299
%RSD	707.4	100.4	36.68	57.85	78.08	49.01	35.76
#1	-.0031	.0010	-.0192	-.0104	-.0043	-.0117	Q.0902
#2	.0016	-.0000	-.0120	-.0104	-.0003	-.0308	Q.0509
#3	.0029	.0020	-.0096	-.0026	-.0033	-.0173	Q.1095

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1822	.0006	.0144	.0012	-.0008	.0014
SDev	.0746	.0000	.0063	.0018	.0000	.0026
%RSD	40.92	.0282	43.72	150.0	.0037	184.6
#1	Q.1164	.0006	.0216	-.0006	-.0008	-.0012
#2	Q.1670	.0006	.0109	.0012	-.0008	.0014
#3	Q.2632	.0006	.0105	.0031	-.0008	.0041

Method: STD_MTD Standard: STDLOW
Run Time: 05/06/02 09:47:25

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Avge	.0162	-.0004	.0009	-.0003	.00087	.0001	.0008
SDev	.0063	.0003	.0007	.0002	.00012	.0003	.0004
%RSD	38.86	86.60	81.04	86.60	13.323	229.1	50.00
#1	.0180	-.0006	.0008	.0000	.00100	-.0002	.0004
#2	.0092	-.0006	.0002	-.0004	.00080	.0004	.0012
#3	.0214	.0000	.0016	-.0004	.00080	.0002	.0008

Elem	Cr	Co	Cu	Fe	Fe	Pb	Mg
Avge	-.0001	.0002	.0002	-.0023	.0011	.0013	.0015
SDev	.0003	.0016	.0005	.0008	.0005	.0025	.0011
%RSD	458.3	818.5	264.6	34.64	43.30	197.4	71.84
#1	-.0004	-.0012	.0000	-.0028	.0008	.0012	.0010
#2	.0002	.0020	.0008	-.0014	.0008	.0038	.0028
#3	.0000	-.0002	-.0002	-.0028	.0016	-.0012	.0008

Elem	Mg	Mn	Hg	Ni	K	Se	Ag
Avge	.0001	.0001	.0005	.0009	.0088	.0023	.0055
SDev	.0001	.0005	.0032	.0009	.0018	.0044	.0006
%RSD	173.2	692.8	692.8	106.6	20.83	196.2	10.43
#1	.0002	-.0002	.0010	.0014	.0084	-.0004	.0052
#2	.0000	.0006	.0034	-.0002	.0108	.0074	.0052
#3	.0000	-.0002	-.0030	.0014	.0072	-.0002	.0062

Elem	Na	Tl	V	Zn	B	Bi	Mo
Avge	.0233	-.0011	-.0011	.0001	.0004	-.0012	-.0003
SDev	.0004	.0018	.0003	.0002	.0002	.0009	.0004
%RSD	1.789	159.1	28.64	173.2	50.00	72.65	124.9
#1	.0234	-.0010	-.0014	.0004	.0004	-.0016	-.0008
#2	.0228	.0006	-.0008	.0000	.0006	-.0018	-.0002
#3	.0236	-.0030	-.0010	.0000	.0002	-.0002	.0000

Elem	P	S	Si	Sr	Sn	Ti	Y
Avge	.0049	.0017	.0232	-.0001	.0017	.0000	-.0003
SDev	.0015	.0040	.0024	.0001	.0024	.0000	.0003
%RSD	30.70	232.3	10.34	86.60	139.1	.0000	114.6
#1	.0060	.0012	.0208	-.0002	.0020	.0000	-.0006
#2	.0056	.0060	.0232	.0000	.0040	.0000	-.0002
#3	.0032	-.0020	.0256	-.0002	-.0008	.0000	.0000

Elem	Zr
Avge	.0006
SDev	.0009
%RSD	145.3
#1	.0000
#2	.0016
#3	.0002

Method: STD_MTD Standard: STDAHIGH
Run Time: 05/06/02 09:51:18

Elem	Al	As	Ba	Be	Cd	Ca	Cr
Avge	5.984	.4657	1.914	5.0751	1.260	5.205	3.422
SDev	.041	.0022	.012	.0403	.010	.029	.022
%RSD	.6832	.4750	.6065	.79428	.8315	.5582	.6348
#1	5.963	.4636	1.907	5.0394	1.251	5.186	3.403
#2	6.031	.4680	1.927	5.1188	1.271	5.238	3.446
#3	5.958	.4654	1.908	5.0670	1.258	5.190	3.416

Elem	Co	Cu	Fe	Pb	Mg	Mn	Hg
Avge	5.889	5.946	8.689	1.528	4.354	11.12	1.028
SDev	.037	.046	.058	.009	.031	.08	.016
%RSD	.6321	.7778	.6674	.5871	.7222	.6878	1.599
#1	5.866	5.909	8.644	1.526	4.331	11.05	1.044
#2	5.932	5.998	8.755	1.537	4.390	11.20	1.029
#3	5.869	5.932	8.669	1.520	4.342	11.10	1.011

Elem	Ni	K	Se	Ag	Na	Tl	V
Avge	1.642	.4171	.7280	2.116	2.224	1.186	1.644
SDev	.005	.0060	.0082	.014	.019	.007	.010
%RSD	.3104	1.445	1.125	.6449	.8737	.5905	.6117
#1	1.639	.4234	.7186	2.108	2.210	1.179	1.636
#2	1.648	.4164	.7336	2.132	2.246	1.193	1.655
#3	1.639	.4114	.7318	2.109	2.216	1.188	1.640

Elem	Zn	B	Bi	P	Sr	Y
Avge	8.669	.8998	.7159	20.10	1.298	1.717
SDev	.061	.0079	.0147	.14	.009	.008
%RSD	.7018	.8782	2.060	.7053	.6983	.4710
#1	8.622	.8920	.6990	19.98	1.292	1.712
#2	8.738	.9078	.7260	20.26	1.308	1.726
#3	8.648	.8996	.7228	20.06	1.294	1.712

Method: STD_MTD Standard: STDBHIGH
Run Time: 05/06/02 09:55:59

Elem	Sb	Fe	Mg	Mo	S	Si	Sn
Avge	.2469	6.396	7.803	1.196	1.152	3.522	6.332
SDev	.0011	.062	.030	.000	.003	.018	.023
%RSD	.4462	.9634	.3896	.0290	.2170	.5197	.3621
#1	.2458	6.462	7.825	1.195	1.155	3.525	6.341
#2	.2468	6.385	7.816	1.196	1.152	3.539	6.348
#3	.2480	6.341	7.768	1.195	1.150	3.503	6.305

Elem	Ti	Zr
Avge	2.391	6.646
SDev	.011	.030
%RSD	.4510	.4511
#1	2.399	6.668
#2	2.397	6.658
#3	2.379	6.611

Method: STD_MTD Sample Name: ICVA Operator: NR
Run Time: 05/06/02 10:00:08
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.930	.0957	2.508	4.979	2.4889	2.485	51.72
SDev	.044	.0204	.021	.025	.0103	.000	.12
%RSD	.4393	21.27	.8507	.4922	.41195	.0187	.2275
#1	9.962	.0768	2.493	5.001	2.4990	2.486	51.79
#2	9.948	.1173	2.533	4.985	2.4892	2.485	51.78
#3	9.881	.0930	2.500	4.953	2.4785	2.485	51.58

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.005	5.121	4.980	10.07	5.008	47.27	5.007
SDev	.016	.014	.022	.03	.009	.13	.015
%RSD	.3246	.2723	.4503	.3138	.1733	.2785	.3004
#1	5.016	5.133	4.999	10.09	5.010	47.37	5.019
#2	5.011	5.125	4.985	10.08	5.016	47.32	5.012
#3	4.986	5.106	4.955	10.03	4.999	47.12	4.990

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.394	2.537	49.23	2.463	2.497	49.79	5.036
SDev	.012	.009	1.28	.018	.011	.37	.017
%RSD	.8689	.3490	2.604	.7148	.4364	.7377	.3372
#1	1.394	2.545	50.30	2.459	2.508	50.12	5.039
#2	1.406	2.537	49.57	2.482	2.498	49.85	5.052
#3	1.382	2.527	47.81	2.448	2.486	49.39	5.018

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.492	9.979	5.025	2.482	.0072	24.99	.1326
SDev	.009	.033	.022	.028	.0039	.20	.0438
%RSD	.3790	.3352	.4361	1.144	53.61	.7854	33.03
#1	2.500	10.01	5.032	2.457	.0094	25.07	.0820
#2	2.495	9.988	5.043	2.475	.0094	25.13	.1569
#3	2.482	9.942	5.001	2.513	.0027	24.77	.1588

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0343	2.464	-.0064	.0017	4.932	-.0130
SDev	.0034	.011	.0024	.0000	.021	.0020
%RSD	10.000	.4410	38.00	.0000	.4227	15.71
#1	.0377	2.474	-.0090	.0017	4.950	-.0154
#2	.0309	2.466	-.0059	.0017	4.937	-.0123
#3	.0343	2.453	-.0043	.0017	4.909	-.0114

Method: STD_MTD Sample Name: ICVB Operator: NR
Run Time: 05/06/02 10:04:53
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0664	2.466	-.0207	.0014	-.00038	.0013	-.0424
SDev	.0050	.020	.0145	.0000	.00011	.0034	.0038
%RSD	7.594	.8256	69.86	.0008	29.333	264.6	9.065
#1	.0694	2.447	-.0355	.0014	-.00025	.0053	-.0424
#2	.0693	2.463	-.0066	.0014	-.00045	-.0008	-.0385
#3	.0606	2.487	-.0199	.0014	-.00045	-.0006	-.0462

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0047	.0022	50.22	.0104	4.963	-.0003
SDev	.0021	.0025	.0008	.32	.0191	.009	.0003
%RSD	174.0	52.68	37.75	.6396	184.6	.1867	115.5
#1	.0011	.0075	.0024	50.59	.0099	4.973	-.0001
#2	-.0018	.0028	.0013	50.01	-.0085	4.956	-.0001
#3	-.0030	.0038	.0030	50.07	.0297	4.959	-.0006

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	-.0108	.0125	-.0385	.0359	-.0172	-.3003
SDev	.0110	.0092	.0275	.0131	.0026	.0182	.0221
%RSD	419.4	85.16	220.3	34.16	7.258	106.3	7.363
#1	.0132	-.0020	-.0192	-.0533	.0361	-.0354	-.2794
#2	.0034	-.0100	.0282	-.0283	.0332	-.0171	-.3234
#3	-.0087	-.0203	.0284	-.0338	.0385	.0011	-.2980

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0043	-.0098	.0089	-.0663	2.480	.0267	4.920
SDev	.0006	.0006	.0059	.0078	.010	.0071	.037
%RSD	14.35	5.928	66.25	11.71	.3936	26.71	.7501
#1	-.0037	-.0102	.0022	-.0593	2.482	.0323	4.878
#2	-.0049	-.0101	.0134	-.0747	2.470	.0187	4.937
#3	-.0043	-.0091	.0111	-.0649	2.489	.0291	4.945

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.851	.0005	4.981	4.883	.0023	4.884
SDev	.013	.0000	.011	.007	.0007	.011
%RSD	.2609	.0075	.2232	.1493	28.87	.2295
#1	4.837	.0005	4.994	4.892	.0027	4.897
#2	4.857	.0005	4.979	4.878	.0027	4.877
#3	4.860	.0005	4.972	4.880	.0016	4.878

Analysis Report QC Standard 05/06/02 10:12:28 AM page 1

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/06/02 10:08:45
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0128	.0148	.0037	.0000	.00001	-.0025	-.0064
SDev	.0082	.0102	.0039	.0012	.00012	.0032	.0059
%RSD	63.74	68.63	105.1	6262000.	2268.7	130.6	91.49
#1	.0081	.0040	.0015	-.0007	-.00006	-.0062	-.0115
#2	.0223	.0162	.0014	-.0007	.00014	-.0006	-.0077
#3	.0081	.0243	.0081	.0014	-.00006	-.0007	-.0000

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0025	-.0022	-.0029	.0097	-.0154	.0002	.0005
SDev	.0026	.0019	.0011	.0019	.0290	.0000	.0001
%RSD	104.0	89.74	37.09	19.83	188.6	.0000	19.25
#1	-.0051	-.0037	-.0034	.0081	-.0347	.0002	.0005
#2	-.0027	-.0027	-.0037	.0118	-.0295	.0002	.0007
#3	.0002	-.0000	-.0017	.0091	.0180	.0002	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	-.0128	-.8963	-.0189	.0022	Q-.1666	-.0169
SDev	.0033	.0084	.2780	.0217	.0036	.0091	.0152
%RSD	82.83	65.70	31.02	114.8	163.8	5.454	90.20
#1	-.0036	-.0191	-.5867	-.0432	-.0017	Q-.1575	-.0327
#2	-.0009	-.0160	-.9778	-.0115	.0030	Q-.1666	-.0158
#3	-.0076	-.0032	Q-1.124	-.0018	.0054	Q-.1757	-.0023

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0004	.0000	.0204	.0067	-.0133	Q.0638
SDev	.0014	.0006	.0044	.0069	.0017	.0189	.0144
%RSD	69.30	156.2	123600.	33.62	26.02	142.5	22.65
#1	-.0028	.0007	-.0044	.0251	.0081	-.0277	Q.0685
#2	-.0028	.0007	.0000	.0125	.0047	-.0202	.0476
#3	-.0004	-.0003	.0045	.0237	.0072	.0081	Q.0753

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1593	.0005	.0041	-.0006	.0004	.0054
SDev	.0465	.0000	.0040	.0010	.0020	.0039
%RSD	29.19	.0114	97.47	173.2	519.6	72.22
#1	Q.1155	.0005	.0011	.0000	-.0019	.0093
#2	Q.1543	.0005	.0026	.0000	.0016	.0054
#3	Q.2081	.0005	.0087	-.0017	.0016	.0015

Method: STD_MTD Sample Name: ICB Operator: NR
Run Time: 05/06/02 10:14:20
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	.0189	-.0074	.0007	-.00006	-.0004	-.0013
SDev	.0064	.0142	.0115	.0012	.00001	.0010	.0044
%RSD	158.3	75.25	155.7	173.2	9.4555	225.6	348.8
#1	-.0107	.0202	Q-.0206	-.0007	-.00006	.0006	-.0039
#2	.0020	.0040	-.0008	Q.0014	-.00007	-.0013	.0039
#3	-.0034	Q.0324	-.0007	Q.0014	-.00006	-.0005	-.0038

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0009	-.0002	-.0014	.0062	-.0001	.0004
SDev	.0012	.0009	.0017	.0010	.0082	.0000	.0003
%RSD	599.9	94.24	769.7	69.39	133.8	.0000	76.36
#1	-.0010	-.0000	-.0017	-.0011	.0154	-.0001	.0001
#2	.0002	-.0017	.0017	-.0006	-.0004	-.0001	.0007
#3	.0014	-.0010	-.0007	-.0025	.0035	-.0001	.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0014	-.5378	-.0170	-.0000	-.0030	.0079
SDev	.0032	.0050	.5174	.0132	.0026	.0182	.0253
%RSD	153.8	350.8	96.21	77.37	769800.	600.1	319.8
#1	.0014	-.0026	-.7334	-.0032	-.0017	-.0030	.0366
#2	-.0048	.0041	-.9289	-.0294	.0030	.0151	-.0107
#3	-.0029	-.0057	.0489	-.0184	-.0013	-.0212	-.0023

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0000	.0045	.0023	.0011	-.0085	.0070
SDev	.0024	.0005	.0039	.0285	.0029	.0016	.0080
%RSD	599.9	8323.	86.58	1231.	263.4	18.91	114.7
#1	-.0028	-.0003	.0022	-.0265	.0039	-.0103	.0024
#2	.0020	.0006	.0022	.0028	-.0020	-.0078	.0162
#3	-.0004	-.0003	.0089	.0306	.0014	-.0073	.0024

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0072	-.0000	-.0013	.0006	Q.0012	.0012
SDev	.0040	.0004	.0024	.0010	.0007	.0005
%RSD	55.45	3494000.	189.4	173.2	57.74	43.30
#1	.0069	.0005	-.0040	.0000	.0004	.0006
#2	.0114	-.0003	.0004	.0017	Q.0016	.0015
#3	.0034	-.0003	-.0002	.0000	Q.0016	.0015

Method: STD_MTD Sample Name: CRI Operator: NR
Run Time: 05/06/02 10:18:23
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1540	.1591	.0965	.0056	.00507	.0098	.5342
SDev	.0105	.0102	.0200	.0000	.00011	.0012	.0038
%RSD	6.830	6.398	20.70	.0002	2.2485	12.33	.7178
#1	.1524	.1496	.1157	.0056	.00521	.0090	.5380
#2	.1443	.1577	Q.0759	.0056	.00501	.0112	.5303
#3	.1652	.1699	.0979	.0056	.00501	.0093	.5342

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0191	.0540	.0305	.0500	.1002	.2614	.0259
SDev	.0018	.0017	.0016	.0020	.0080	.0018	.0006
%RSD	9.352	3.144	5.212	4.012	7.940	.6865	2.412
#1	.0207	.0557	.0323	.0514	.0927	.2631	.0266
#2	.0171	.0523	.0293	.0509	.1085	.2614	.0255
#3	.0195	.0540	.0299	.0477	.0993	.2596	.0255

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	.0441	2.526	.2911	Q.0027	.5119	.3290
SDev	.0054	.0030	.861	.0207	.0010	.0105	.0103
%RSD	193.5	6.820	34.09	7.117	36.52	2.050	3.125
#1	-.0068	.0406	2.787	.3030	Q.0016	.5059	.3341
#2	.0033	.0461	Q1.565	.3031	Q.0035	.5059	.3172
#3	-.0049	.0455	Q3.227	.2672	Q.0030	.5240	.3358

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0251	.0253	Q.1298	.2873	.0552	.2577	.2868
SDev	.0006	.0000	.0034	.0495	.0034	.0149	.0352
%RSD	2.419	.0332	2.618	17.24	6.122	5.773	12.26
#1	.0251	.0254	Q.1336	.2771	.0516	.2549	.2683
#2	.0245	.0253	Q.1269	.3412	.0558	.2445	.2649
#3	.0257	.0253	Q.1291	.2437	.0583	.2738	.3274

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5055	.0059	.2522	.0513	Q.0066	Q.0391
SDev	.0020	.0000	.0073	.0010	.0007	.0059
%RSD	.3971	.0006	2.884	1.883	10.19	15.01
#1	.5036	.0059	.2571	.0519	Q.0074	Q.0331
#2	.5076	.0059	.2438	.0519	Q.0062	Q.0394
#3	.5053	.0059	.2555	.0502	Q.0062	.0448

Method: STD_MTD Sample Name: ICSA Operator: NR
Run Time: 05/06/02 10:22:16
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	294.4	.0202	.0143	.0006	.00032	-.0015	480.3
SDev	1.8	.0107	.0269	.0012	.00000	.0009	2.8
%RSD	.6283	52.92	188.2	187.1	.74192	55.80	.5920
#1	296.4	.0081	.0453	-.0001	.00032	-.0025	483.2
#2	294.1	.0243	-.0025	-.0000	.00032	-.0010	480.2
#3	292.7	.0283	.0001	.0021	.00032	-.0011	477.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0028	-.0040	-.0024	201.7	-.0322	479.2	-.0072
SDev	.0006	.0009	.0017	.8	.0216	3.0	.0003
%RSD	20.71	22.77	74.23	.4003	67.31	.6294	4.539
#1	-.0031	-.0031	-.0013	200.8	-.0158	482.4	-.0076
#2	-.0032	-.0050	-.0013	202.2	-.0240	479.0	-.0070
#3	-.0021	-.0039	-.0044	202.1	Q-.0567	476.3	-.0071

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0050	Q-.0012	.7424	-.1020	-.0078	-.1531	-.0008
SDev	.0047	.0126	.2265	.0090	.0019	.0141	.0431
%RSD	95.33	1030.	30.52	8.800	24.63	9.178	5382.
#1	-.0103	Q-.0130	.6146	-.1122	-.0057	-.1686	-.0415
#2	-.0033	.0120	1.004	-.0990	-.0081	-.1411	-.0052
#3	-.0013	Q-.0026	.6086	-.0950	-.0095	-.1497	.0443

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0042	.0043	-.0119	-.0133	.0145	.0445	Q.7436
SDev	.0009	.0009	.0013	.0577	.0030	.0267	.0515
%RSD	22.25	21.20	10.82	434.3	20.38	59.99	6.927
#1	.0040	.0053	-.0111	.0409	.0148	.0753	Q.6957
#2	.0052	.0042	-.0134	-.0068	.0173	.0297	Q.7370
#3	.0034	.0035	-.0111	-.0740	.0114	.0284	Q.7981

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0463	.0122	-.0070	.0078	Q-.0021	.0073
SDev	.0017	.0000	.0129	.0010	.0000	.0013
%RSD	3.704	.2321	184.8	12.37	.2650	17.11
#1	.0446	.0123	.0001	.0084	Q-.0021	.0069
#2	.0480	.0122	.0009	.0084	Q-.0021	.0087
#3	.0463	.0122	-.0219	.0067	Q-.0022	.0063

Method: STD_MTD Sample Name: ICSA Operator: NR
Run Time: 05/06/02 10:27:49
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	297.8	.0324	.0054	-.0001	.00019	.0029	483.6
SDev	2.0	.0185	.0784	.0000	.00012	.0026	2.1
%RSD	.6660	57.28	1445.	11.16	60.939	91.27	.4438
#1	296.2	.0121	.0064	-.0001	.00032	.0053	481.4
#2	300.0	.0364	Q-.0734	-.0001	.00012	.0001	485.7
#3	297.2	.0485	Q.0833	-.0001	.00012	.0033	483.6

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0041	-.0048	-.0047	202.1	-.0355	485.5	-.0067
SDev	.0015	.0014	.0009	.7	.0084	3.4	.0001
%RSD	37.46	29.39	18.90	.3348	23.76	.6997	1.617
#1	-.0044	-.0064	-.0037	202.8	-.0338	482.8	-.0066
#2	-.0024	-.0046	-.0054	201.6	Q-.0446	489.3	-.0068
#3	-.0054	-.0036	-.0050	201.8	-.0280	484.3	-.0068

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0146	.0037	.2319	-.0847	-.0095	-.1785	.0236
SDev	.0049	.0115	.7591	.0193	.0038	.0004	.0238
%RSD	33.45	315.1	327.4	22.74	39.82	.2477	100.9
#1	-.0107	Q-.0093	Q-.5527	-.0713	-.0057	-.1783	.0180
#2	-.0201	.0126	.2858	-.0760	-.0133	-.1790	.0031
#3	-.0130	.0077	.9626	-.1068	-.0095	-.1783	.0497

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0030	.0034	-.0111	-.0242	.0113	.0476	.1063
SDev	.0007	.0010	.0022	.0175	.0038	.0376	.0405
%RSD	22.34	29.95	20.02	72.46	33.89	78.91	38.09
#1	.0022	.0041	-.0111	-.0412	.0073	.0058	.0856
#2	.0034	.0039	-.0089	-.0251	.0149	.0586	.0804
#3	.0034	.0023	-.0134	-.0062	.0115	.0785	.1530

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0372	.0120	.0009	.0056	-.0018	.0059
SDev	.0083	.0004	.0170	.0010	.0007	.0003
%RSD	22.35	3.700	1866.	17.32	38.20	5.871
#1	.0377	.0123	-.0161	.0050	-.0010	.0057
#2	.0286	.0123	.0179	.0050	Q-.0021	.0063
#3	.0452	.0115	.0010	.0067	Q-.0021	.0057

Method: STD_MTD Sample Name: ICSAB Operator: NR
Run Time: 05/06/02 10:31:41
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	292.9	.9693	1.004	.4799	.46804	.9699	476.0
SDev	1.9	.0023	.032	.0032	.00228	.0065	.4
%RSD	.6435	.2409	3.197	.6654	.48697	.6667	.0918
#1	293.7	.9706	.9672	.4806	.46935	.9758	475.7
#2	294.2	.9666	1.027	.4827	.46936	.9709	475.8
#3	290.7	.9706	1.017	.4764	.46541	.9630	476.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4658	.4697	.4818	202.5	.9142	478.4	.4546
SDev	.0024	.0019	.0016	4.2	.0089	3.0	.0008
%RSD	.5138	.4010	.3299	2.053	.9795	.6370	.1863
#1	.4685	.4679	.4823	206.5	.9141	480.0	.4540
#2	.4642	.4693	.4830	198.2	.9053	480.3	.4555
#3	.4646	.4717	.4800	202.7	.9232	474.8	.4541

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0130	.9248	.9555	.8819	.9704	-.1470	.0263
SDev	.0118	.0085	.9634	.0210	.0033	.0274	.0238
%RSD	90.75	.9154	100.8	2.379	.3411	18.66	90.40
#1	-.0054	.9151	-.1566	.8679	.9737	-.1423	.0092
#2	-.0265	.9303	1.487	.8719	.9671	-.1765	.0535
#3	-.0070	.9291	1.536	.9060	.9704	-.1222	.0163

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4744	.9739	.0163	.0127	.0127	.0528	.0669
SDev	.0010	.0019	.0064	.0579	.0051	.0252	.0157
%RSD	.2097	.1929	39.47	456.8	40.36	47.81	23.46
#1	.4754	.9755	.0126	-.0274	.0082	.0311	.0785
#2	.4744	.9744	.0237	-.0137	.0183	.0467	.0490
#3	.4734	.9718	.0126	.0791	.0115	.0805	.0732

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7141	.0163	-.0182	.0072	-.0010	.0028
SDev	.0027	.0004	.0105	.0010	.0020	.0023
%RSD	.3783	2.709	57.67	13.32	204.0	80.42
#1	.7150	.0168	-.0081	.0067	-.0022	.0015
#2	.7162	.0161	-.0175	.0067	-.0022	.0015
#3	.7110	.0161	-.0291	.0084	.0013	.0054

Method: STD_MTD Sample Name: STDAHIGH Operator: NR
Run Time: 05/06/02 10:37:20
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.88	.1362	5.026	9.904	5.0234	5.006	99.35
SDev	.13	.0084	.048	.080	.0365	.039	.68
%RSD	.6529	6.183	.9482	.8071	.72758	.7832	.6838
#1	19.74	.1294	4.974	9.812	4.9828	4.967	98.58
#2	19.94	.1335	5.037	9.952	5.0335	5.004	99.59
#3	19.98	.1456	5.068	9.949	5.0538	5.046	99.88

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.01	10.01	9.950	19.89	10.09	99.45	10.06
SDev	.07	.07	.084	.14	.05	.68	.08
%RSD	.6501	.6693	.8453	.7161	.4887	.6853	.7567
#1	9.938	9.934	9.854	19.73	10.05	98.67	9.978
#2	10.04	10.03	9.983	19.93	10.09	99.75	10.09
#3	10.06	10.07	10.01	20.01	10.15	99.92	10.12

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.428	5.026	98.17	5.037	4.986	99.33	10.12
SDev	.070	.045	1.08	.046	.032	.91	.15
%RSD	4.924	.8913	1.100	.9112	.6515	.9160	1.480
#1	1.355	4.981	97.15	5.014	4.948	98.28	9.980
#2	1.496	5.027	98.08	5.007	5.002	99.92	10.11
#3	1.433	5.070	99.30	5.090	5.006	99.79	10.28

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.011	19.98	9.996	4.981	.0078	50.36	.0611
SDev	.033	.14	.106	.044	.0029	.39	.0219
%RSD	.6631	.6954	1.062	.8832	37.80	.7819	35.81
#1	4.973	19.82	9.884	4.931	.0050	49.99	.0647
#2	5.024	20.02	10.01	5.010	.0075	50.32	.0810
#3	5.035	20.09	10.10	5.003	.0109	50.77	.0377

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0080	4.971	-.0197	.0039	9.913	-.0268
SDev	.0023	.039	.0045	.0010	.070	.0011
%RSD	28.57	.7830	22.95	24.74	.7051	4.051
#1	.0103	4.926	-.0180	.0050	9.833	-.0256
#2	.0080	4.993	-.0162	.0033	9.947	-.0277
#3	.0057	4.994	-.0248	.0033	9.960	-.0271

Method: STD_MTD Sample Name: STDBHIGH Operator: NR
Run Time: 05/06/02 10:42:13
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1190	4.926	-.0280	.0021	-.00083	-.0008	-.0733
SDev	.0069	.079	.0039	.0012	.00000	.0000	.0038
%RSD	5.793	1.598	14.10	57.73	.43165	5.552	5.249
#1	.1111	4.954	-.0257	.0014	-.00083	-.0008	-.0771
#2	.1239	4.987	-.0325	.0035	-.00084	-.0008	-.0694
#3	.1219	4.837	-.0257	.0014	-.00084	-.0008	-.0732

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0120	.0059	99.69	.0124	9.955	-.0018
SDev	.0007	.0013	.0019	2.18	.0134	.103	.0001
%RSD	285.5	10.49	31.17	2.185	107.9	1.039	7.760
#1	-.0002	.0125	.0061	99.09	.0098	9.938	-.0019
#2	-.0009	.0129	.0077	102.1	.0269	10.07	-.0016
#3	.0004	.0105	.0040	97.88	.0005	9.861	-.0018

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0064	-.0063	.5284	-.0712	.0626	-.0129	-.5894
SDev	.0064	.0044	1.103	.0446	.0024	.0246	.0392
%RSD	100.4	69.78	208.8	62.65	3.781	190.3	6.645
#1	.0112	-.0075	.9344	-.1096	.0626	.0054	-.6329
#2	.0089	-.0014	-.7206	-.0223	.0649	-.0409	-.5784
#3	-.0009	-.0100	1.371	-.0817	.0602	-.0033	-.5570

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0085	-.0180	.0089	-.1512	4.963	.0409	9.964
SDev	.0014	.0002	.0039	.0162	.055	.0043	.116
%RSD	16.86	1.350	43.41	10.75	1.109	10.50	1.164
#1	-.0101	-.0180	.0044	-.1577	4.931	.0404	9.944
#2	-.0076	-.0183	.0111	-.1632	5.027	.0369	10.09
#3	-.0077	-.0178	.0111	-.1327	4.932	.0454	9.859

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.644	.0005	9.939	9.862	.0039	9.856
SDev	.103	.0000	.099	.104	.0000	.109
%RSD	1.067	.0075	.9975	1.059	.0002	1.109
#1	9.560	.0005	9.933	9.839	.0039	9.842
#2	9.758	.0005	10.04	9.977	.0039	9.972
#3	9.613	.0005	9.843	9.772	.0039	9.754

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Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/06/02 10:46:09
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0139	-.0067	.0060	-.0007	-.00012	.0018	-.0154
SDev	.0297	.0102	.0224	.0021	.00011	.0039	.0067
%RSD	214.4	151.0	370.0	300.0	90.279	216.3	43.37
#1	.0182	-.0081	.0303	-.0007	-.00006	.0063	-.0115
#2	-.0194	.0040	-.0139	-.0028	-.00025	-.0003	-.0230
#3	-.0404	-.0162	.0017	.0014	-.00006	-.0006	-.0115

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0057	-.0066	-.0058	.0061	-.0210	.0003	.0003
SDev	.0012	.0016	.0034	.0038	.0084	.0004	.0004
%RSD	20.68	24.45	58.36	62.45	40.16	152.8	120.0
#1	-.0045	-.0071	-.0040	.0104	-.0150	.0007	.0007
#2	-.0068	-.0078	-.0098	.0049	-.0307	-.0001	-.0001
#3	-.0057	-.0048	-.0037	.0031	-.0175	.0002	.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	-.0118	-.8800	-.0432	-.0008	Q-.1545	-.0028
SDev	.0021	.0042	.2541	.0243	.0059	.0053	.0248
%RSD	122.5	35.84	28.87	56.11	746.4	3.398	887.7
#1	-.0001	-.0069	-.5867	-.0336	.0058	Q-.1575	.0198
#2	-.0040	-.0142	Q-1.027	Q-.0708	-.0027	Q-.1575	.0012
#3	-.0009	-.0142	Q-1.027	-.0253	-.0055	Q-.1484	-.0293

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0043	.0004	.0030	.0459	.0033	-.0209	.0489
SDev	.0021	.0005	.0034	.0128	.0056	.0092	.0381
%RSD	50.17	144.6	114.2	27.79	166.5	44.05	77.92
#1	-.0041	.0007	.0067	Q.0599	.0081	-.0257	Q.0790
#2	-.0065	.0007	.0022	.0432	.0047	-.0267	.0061
#3	-.0022	-.0002	.0000	.0348	-.0028	-.0103	Q.0616

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1387	.0003	-.0026	-.0011	-.0008	.0045
SDev	.0163	.0004	.0029	.0026	.0020	.0057
%RSD	11.78	173.3	111.4	229.1	259.8	127.2
#1	Q.1566	.0005	-.0040	.0017	.0016	.0111
#2	Q.1349	-.0003	-.0046	-.0033	-.0019	.0015
#3	Q.1246	.0005	.0007	-.0017	-.0019	.0009

Method: STD_MTD Sample Name: HCL Operator: NR
Run Time: 05/06/02 10:49:59
Comment: Standardization
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0065	.0027	-.0059	.0007	-.00006	-.0004	.0013
SDev	.0075	.0093	.0156	.0012	.00019	.0002	.0059
%RSD	115.1	346.4	263.3	173.2	297.89	52.99	456.4
#1	.0095	-.0081	-.0074	.0014	-.00025	-.0004	-.0039
#2	-.0020	.0081	.0104	-.0007	.00013	-.0007	.0000
#3	.0121	.0081	-.0208	.0014	-.00007	-.0002	.0077

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0025	-.0011	.0060	-.0114	.0000	.0005
SDev	.0033	.0017	.0027	.0010	.0099	.0001	.0002
%RSD	333.9	68.69	240.6	16.02	86.55	.0000	37.52
#1	-.0045	-.0041	-.0037	.0063	-.0228	.0002	.0007
#2	-.0004	-.0027	-.0013	.0068	-.0057	-.0001	.0003
#3	.0019	-.0007	.0017	.0049	-.0057	-.0001	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0026	-.0097	-.8311	-.0327	-.0003	Q-.1212	.0017
SDev	.0079	.0063	.4664	.0457	.0047	.0157	.0110
%RSD	301.8	65.05	56.11	140.0	1475.	12.99	645.5
#1	-.0099	-.0118	Q-1.369	Q-.0805	.0035	Q-.1121	-.0090
#2	-.0037	-.0148	-.5378	-.0281	-.0055	Q-.1394	.0011
#3	.0057	-.0026	-.5867	.0106	.0011	Q-.1121	.0130

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0003	.0052	.0060	.0003	-.0020	Q.0579
SDev	.0036	.0005	.0026	.0265	.0019	.0131	.0046
%RSD	900.6	148.0	49.40	438.6	693.1	657.5	7.897
#1	-.0041	.0007	.0022	.0320	.0014	-.0168	Q.0597
#2	-.0004	-.0002	.0067	-.0209	-.0020	.0081	Q.0527
#3	.0032	.0006	.0067	.0070	.0014	.0027	Q.0614

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.1341	.0003	-.0029	.0006	.0027	.0016
SDev	.0507	.0004	.0096	.0010	.0020	.0023
%RSD	37.82	173.2	338.0	173.2	74.23	140.7
#1	Q.0800	-.0003	-.0062	.0000	.0016	-.0006
#2	Q.1417	.0005	-.0104	.0000	.0016	.0015
#3	Q.1806	.0005	.0080	.0017	.0050	.0039

Method: STD_MTD Sample Name: BL0503 100 Operator: NR1
Run Time: 05/06/02 10:57:43
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0153	.0283	-.0016	-.0000	-.00006	.0011	.0923
SDev	.0165	.0146	.0244	.0012	.00000	.0018	.0077
%RSD	108.2	51.51	1569.	435900.	4.9595	160.6	8.317
#1	-.0007	.0162	-.0296	-.0007	-.00006	.0031	.0846
#2	.0142	.0243	.0147	-.0007	-.00006	.0000	.0923
#3	.0323	.0445	.0102	.0014	-.00007	.0001	.0999

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0011	-.0002	.0246	-.0079	.0061	.0008
SDev	.0030	.0014	.0015	.0007	.0237	.0000	.0003
%RSD	515.0	124.7	676.4	2.865	298.8	.0000	37.16
#1	-.0039	-.0027	-.0017	.0247	-.0070	.0061	.0007
#2	.0002	-.0007	-.0003	.0252	-.0321	.0061	.0007
#3	.0020	-.0000	.0013	.0238	.0153	.0061	.0012

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	-.0037	-.4074	.0004	-.0008	-.0061	-.0034
SDev	.0018	.0122	.3921	.0194	.0021	.0139	.0120
%RSD	62.44	333.9	96.26	4310.	261.5	228.8	355.8
#1	-.0044	.0102	-.7822	-.0198	-.0022	-.0030	.0096
#2	-.0033	-.0130	-.4400	.0188	-.0017	-.0212	-.0056
#3	-.0009	-.0081	.0000	.0023	.0016	.0060	-.0141

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	.0012	-.0007	.0088	-.0006	.0518	.0036
SDev	.0013	.0005	.0026	.0272	.0019	.0121	.0355
%RSD	208.5	41.98	347.2	307.8	346.4	23.44	986.3
#1	-.0010	.0015	-.0022	.0278	-.0028	.0609	.0292
#2	-.0016	.0016	.0022	.0209	.0006	.0564	-.0370
#3	.0008	.0006	-.0022	-.0223	.0006	.0380	.0186

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0084	.0005	-.0031	.0000	.0023	.0005
SDev	.0026	.0000	.0075	.0000	.0007	.0018
%RSD	31.49	.0149	244.0	.0000	28.87	351.6
#1	.0069	.0005	-.0110	.0000	.0016	-.0015
#2	.0069	.0005	-.0021	.0000	.0027	.0012
#3	.0114	.0005	.0039	.0000	.0027	.0018

Method: STD_MTD Sample Name: BL0503S 100 Operator: NR1
Run Time: 05/06/02 11:01:52
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.985	.5231	.4835	.9877	.50269	.4974	10.37
SDev	.016	.0130	.0155	.0137	.00646	.0042	.09
%RSD	.8251	2.485	3.205	1.387	1.2859	.8393	.8199
#1	2.004	.5177	.4982	.9856	.50171	.4947	10.34
#2	1.975	.5136	.4849	1.002	.50959	.5022	10.47
#3	1.977	.5379	.4673	.9751	.49677	.4952	10.30

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.003	1.040	.9972	12.09	1.004	10.82	1.004
SDev	.008	.008	.0119	.12	.013	.11	.010
%RSD	.8150	.7632	1.197	.9911	1.277	1.009	.9653
#1	1.003	1.035	.9940	12.07	.9927	10.79	1.002
#2	1.012	1.049	1.010	12.22	1.001	10.94	1.015
#3	.9952	1.035	.9872	11.99	1.018	10.73	.9959

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0603	.5090	9.807	.4584	.5043	9.856	.9678
SDev	.0024	.0207	.500	.0131	.0038	.123	.0299
%RSD	3.940	4.067	5.095	2.850	.7592	1.245	3.091
#1	.0575	.5147	10.17	.4483	.5066	9.853	.9825
#2	.0618	.5263	10.02	.4537	.5066	9.980	.9334
#3	.0615	.4861	9.236	.4731	.4999	9.735	.9876

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4960	1.987	.9909	.4880	.4967	5.071	1.018
SDev	.0055	.020	.0180	.0309	.0058	.105	.027
%RSD	1.113	1.001	1.816	6.342	1.167	2.074	2.640
#1	.4937	1.982	.9939	.5052	.4933	5.016	.9951
#2	.5023	2.009	1.007	.4523	.5034	5.192	1.048
#3	.4919	1.971	.9717	.5065	.4933	5.005	1.011

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9370	.4936	.9675	.9685	.9800	.9587
SDev	.0083	.0063	.0030	.0104	.0123	.0093
%RSD	.8847	1.278	.3127	1.079	1.258	.9698
#1	.9288	.4921	.9687	.9651	.9754	.9535
#2	.9454	.5005	.9696	.9802	.9940	.9695
#3	.9368	.4882	.9640	.9601	.9707	.9532

Method: STD_MTD Sample Name: BL0503X 100 Operator: NR1
Run Time: 05/06/02 11:08:50
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.025	.5150	.4920	1.006	.51129	.5045	10.53
SDev	.019	.0204	.0069	.007	.00354	.0024	.05
%RSD	.9234	3.953	1.393	.6678	.69160	.4730	.4984
#1	2.016	.5177	.4979	1.009	.51313	.5068	10.55
#2	2.047	.5338	.4845	1.011	.51353	.5046	10.57
#3	2.013	.4934	.4936	.9981	.50721	.5020	10.47

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.022	1.059	1.016	12.30	1.051	11.00	1.021
SDev	.006	.005	.006	.07	.001	.07	.007
%RSD	.5728	.4910	.6259	.5686	.1247	.5969	.6467
#1	1.026	1.065	1.018	12.33	1.052	11.03	1.025
#2	1.024	1.056	1.021	12.35	1.051	11.04	1.024
#3	1.015	1.055	1.009	12.22	1.049	10.92	1.013

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0682	.5194	9.938	.4988	.5137	10.02	.9779
SDev	.0074	.0039	.251	.0146	.0079	.06	.0263
%RSD	10.86	.7451	2.522	2.936	1.534	.5947	2.686
#1	.0649	.5171	9.873	.4965	.5170	10.03	.9993
#2	.0630	.5171	9.726	.4854	.5193	10.07	.9858
#3	.0767	.5238	10.21	.5144	.5047	9.953	.9486

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5067	2.015	1.011	.5061	.5031	5.123	.9981
SDev	.0027	.011	.006	.0248	.0063	.035	.0431
%RSD	.5414	.5242	.6364	4.894	1.248	.6928	4.315
#1	.5096	2.022	1.007	.5010	.5092	5.133	1.047
#2	.5065	2.020	1.018	.5330	.5034	5.152	.9838
#3	.5041	2.003	1.007	.4843	.4967	5.083	.9640

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9376	.5016	1.008	.9858	.9960	.9799
SDev	.0093	.0029	.019	.0063	.0057	.0046
%RSD	.9874	.5815	1.844	.6424	.5769	.4722
#1	.9328	.5036	1.011	.9885	.9987	.9821
#2	.9482	.5029	1.025	.9902	.9998	.9830
#3	.9317	.4982	.9880	.9785	.9894	.9746

Method: STD_MTD Sample Name: ERA249 100 Operator: NR1
Run Time: 05/06/02 11:15:06
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	82.09	.3950	1.397	8.406	1.0022	.5784	125.1
SDev	.36	.0163	.021	.033	.0034	.0066	.5
%RSD	.4440	4.138	1.469	.3901	.34156	1.146	.4016
#1	81.67	.3802	1.381	8.369	.99822	.5708	124.5
#2	82.32	.4125	1.420	8.432	1.0043	.5832	125.5
#3	82.29	.3923	1.389	8.417	1.0039	.5812	125.2

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.541	.5517	1.651	166.3	.5550	29.56	4.748
SDev	.007	.0032	.010	2.0	.0164	.11	.018
%RSD	.4487	.5810	.5764	1.179	2.959	.3746	.3748
#1	1.533	.5480	1.640	168.4	.5419	29.43	4.727
#2	1.547	.5534	1.656	164.6	.5735	29.64	4.761
#3	1.542	.5536	1.656	165.7	.5498	29.61	4.755

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0164	.6057	34.41	.6376	1.459	7.704	1.127
SDev	.0039	.0118	.63	.0227	.007	.028	.007
%RSD	24.07	1.941	1.822	3.555	.4783	.3654	.6646
#1	.0158	.6018	33.71	.6154	1.452	7.673	1.133
#2	.0127	.6189	34.58	.6607	1.466	7.711	1.130
#3	.0205	.5964	34.93	.6368	1.457	7.728	1.119

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4138	6.561	.7171	-.0453	1.266	11.03	6.465
SDev	.0021	.028	.0078	.0114	.005	.08	.089
%RSD	.4957	.4334	1.090	25.08	.3638	.6986	1.374
#1	.4117	6.528	.7096	-.0402	1.265	10.94	6.392
#2	.4158	6.574	.7252	-.0583	1.261	11.08	6.438
#3	.4140	6.580	.7163	-.0374	1.270	11.05	6.564

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.74	.9531	.8337	2.484	.0899	.0830
SDev	.05	.0034	.0119	.011	.0007	.0051
%RSD	.4423	.3528	1.424	.4330	.7488	6.170
#1	10.68	.9492	.8224	2.471	.0892	.0888
#2	10.76	.9554	.8461	2.491	.0903	.0810
#3	10.77	.9546	.8327	2.488	.0903	.0792

Method: STD_MTD Sample Name: 022326 100 Operator: NR1
Run Time: 05/06/02 11:19:15
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	61.55	.1982	.5159	4.520	.00490	.0208	119.4
SDev	.28	.0040	.0264	.025	.00011	.0056	.5
%RSD	.4483	2.041	5.122	.5573	2.2422	27.13	.4349
#1	61.78	.2022	.5416	4.544	.00502	.0239	119.7
#2	61.64	.1941	.5173	4.523	.00482	.0242	119.7
#3	61.25	.1982	.4888	4.494	.00484	.0143	118.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.027	.1387	8.607	2739.	1.115	37.88	19.29
SDev	.005	.0027	.049	12.	.027	.15	.08
%RSD	.4765	1.953	.5680	.4219	2.445	.4012	.3932
#1	1.030	.1391	8.644	2737.	1.139	37.96	19.33
#2	1.029	.1358	8.624	2751.	1.086	37.97	19.33
#3	1.021	.1412	8.551	2728.	1.121	37.71	19.20

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1253	1.200	15.49	L-.9631	L-.0114	72.35	.4713
SDev	.0070	.026	.47	.0625	.0012	.37	.0568
%RSD	5.593	2.141	3.014	6.493	10.55	.5117	12.04
#1	.1270	1.226	15.16	L-.8954	L-.0126	72.58	.5336
#2	.1176	1.175	16.03	L-1.019	L-.0112	72.56	.4226
#3	.1313	1.197	15.29	L-.9753	L-.0102	71.93	.4577

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9571	25.33	.9145	L-.3451	.3589	7.817	683.7
SDev	.0043	.11	.0268	.0918	.0084	.027	3.3
%RSD	.4453	.4430	2.937	26.61	2.345	.3398	.4880
#1	.9592	25.40	.9397	L-.3391	.3668	7.836	686.5
#2	.9599	25.39	.9175	L-.2564	.3500	7.829	684.6
#3	.9522	25.20	.8863	L-.4398	.3601	7.787	680.0

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.59	3.059	.2902	1.612	.0111	.0880
SDev	.03	.018	.0109	.007	.0000	.0003
%RSD	.3041	.5823	3.767	.4320	.0093	.3950
#1	10.61	3.075	.3011	1.617	.0111	.0882
#2	10.62	3.061	.2792	1.614	.0111	.0876
#3	10.56	3.040	.2901	1.604	.0111	.0882

Method: STD_MTD Sample Name: 022326D 100 Operator: NR1
Run Time: 05/06/02 11:23:21
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	64.76	.2076	.5057	5.613	.00499	.0208	120.9
SDev	.60	.0199	.0146	.056	.00012	.0057	1.2
%RSD	.9238	9.610	2.878	.9975	2.2974	27.31	.9544
#1	65.27	.2305	.5138	5.667	.00489	.0242	121.9
#2	64.91	.1941	.5144	5.617	.00512	.0240	121.1
#3	64.10	.1982	.4889	5.555	.00497	.0142	119.6

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9706	.1452	8.183	2758.	1.076	38.05	19.59
SDev	.0153	.0105	.084	25.	.017	.36	.20
%RSD	1.575	7.212	1.023	.9115	1.544	.9433	1.006
#1	.9865	.1553	8.259	2758.	1.095	38.36	19.77
#2	.9692	.1460	8.198	2783.	1.066	38.14	19.63
#3	.9560	.1344	8.093	2733.	1.067	37.66	19.38

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1365	1.211	16.03	L-.9597	.0405	74.04	.5158
SDev	.0152	.031	.26	.1051	.0031	.75	.0938
%RSD	11.12	2.523	1.648	10.96	7.748	1.007	18.18
#1	.1531	1.246	15.75	L-.8696	.0442	74.64	.6237
#2	.1328	1.198	16.06	L-.9342	.0389	74.27	.4702
#3	.1235	1.189	16.28	L-1.075	.0385	73.21	.4536

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9974	27.23	.9524	L-.2648	.3634	8.020	692.0
SDev	.0153	.25	.0323	.0847	.0100	.119	7.3
%RSD	1.536	.9326	3.390	31.97	2.763	1.482	1.062
#1	1.011	27.44	.9843	L-.2428	.3735	8.112	698.2
#2	1.000	27.30	.9531	L-.1932	.3634	8.061	694.1
#3	.9810	26.95	.9197	L-.3582	.3534	7.886	683.9

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.36	3.130	.2983	1.693	.0119	.1063
SDev	.10	.031	.0169	.016	.0014	.0012
%RSD	.9056	.9756	5.669	.9492	11.32	1.144
#1	11.45	3.159	.3056	1.708	.0111	.1065
#2	11.38	3.133	.3103	1.696	.0134	.1075
#3	11.25	3.098	.2789	1.676	.0111	.1050

Method: STD_MTD Sample Name: 022326S 100 Operator: NR1
Run Time: 05/06/02 11:27:28
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	65.18	.4947	.8885	6.115	.43712	.4472	127.5
SDev	.54	.0208	.0210	.052	.00317	.0049	1.0
%RSD	.8337	4.195	2.363	.8535	.72637	1.094	.8039
#1	64.70	.5177	.8658	6.073	.43465	.4446	126.6
#2	65.07	.4894	.8924	6.099	.43601	.4441	127.3
#3	65.77	.4772	.9072	6.174	.44070	.4528	128.6

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.975	1.009	9.910	2722.	2.066	50.55	20.06
SDev	.017	.011	.085	8.	.021	.40	.17
%RSD	.8742	1.093	.8589	.3063	.9965	.7875	.8227
#1	1.965	1.000	9.845	2715.	2.070	50.20	19.92
#2	1.966	1.006	9.878	2731.	2.044	50.46	20.03
#3	1.995	1.021	10.01	2720.	2.085	50.99	20.24

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1796	1.754	24.44	L-.4772	.4542	80.85	1.156
SDev	.0164	.023	.42	.0539	.0040	.72	.093
%RSD	9.109	1.297	1.729	11.30	.8843	.8874	8.045
#1	.1707	1.735	24.03	L-.4698	.4502	80.34	1.210
#2	.1696	1.747	24.41	L-.5344	.4540	80.53	1.049
#3	.1985	1.779	24.87	L-.4273	.4583	81.67	1.210

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.400	27.91	1.790	.1291	.7893	12.18	679.7
SDev	.015	.21	.028	.0519	.0085	.16	5.1
%RSD	1.050	.7422	1.585	40.22	1.076	1.329	.7573
#1	1.389	27.73	1.776	.1009	.7876	12.07	674.7
#2	1.395	27.86	1.771	.0974	.7818	12.10	679.3
#3	1.417	28.14	1.823	.1890	.7985	12.37	685.0

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.11	3.483	1.026	2.605	.8700	.9047
SDev	.11	.029	.008	.021	.0066	.0079
%RSD	.9288	.8202	.7315	.8022	.7615	.8726
#1	12.04	3.460	1.027	2.587	.8626	.8975
#2	12.06	3.474	1.018	2.600	.8719	.9035
#3	12.24	3.515	1.033	2.628	.8754	.9132

Method: STD_MTD Sample Name: 022326X 100 Operator: NR1
Run Time: 05/06/02 11:31:35
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	67.61	.5473	.9797	6.232	.48226	.4943	132.2
SDev	.27	.0023	.0358	.023	.00255	.0025	.6
%RSD	.3983	.4266	3.651	.3678	.52870	.5140	.4598
#1	67.52	.5500	.9871	6.245	.48142	.4971	131.7
#2	67.91	.5460	1.011	6.245	.48512	.4938	132.9
#3	67.39	.5460	.9409	6.205	.48023	.4921	131.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.935	1.101	9.974	2819.	2.165	52.62	21.16
SDev	.010	.002	.047	41.	.012	.20	.10
%RSD	.5081	.1782	.4675	1.462	.5321	.3890	.4519
#1	1.930	1.100	9.976	2792.	2.154	52.58	21.11
#2	1.947	1.103	10.02	2866.	2.177	52.84	21.27
#3	1.929	1.100	9.926	2799.	2.163	52.43	21.09

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1906	1.606	25.47	L-.4779	.4791	84.23	1.265
SDev	.0144	.009	.55	.0608	.0048	.40	.019
%RSD	7.550	.5905	2.175	12.71	1.001	.4702	1.512
#1	.1928	1.616	25.29	L-.4078	.4771	84.33	1.243
#2	.2038	1.605	25.03	L-.5162	.4846	84.57	1.279
#3	.1752	1.598	26.09	L-.5096	.4757	83.79	1.273

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.495	28.70	1.932	.1162	.8284	12.82	701.5
SDev	.012	.13	.017	.0377	.0106	.10	4.0
%RSD	.8005	.4595	.9005	32.49	1.279	.7539	.5708
#1	1.487	28.62	1.940	.0794	.8303	12.73	698.9
#2	1.509	28.85	1.943	.1144	.8379	12.92	706.1
#3	1.489	28.62	1.912	.1548	.8169	12.81	699.5

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.88	3.638	1.133	2.836	.9616	1.006
SDev	.06	.013	.017	.012	.0047	.003
%RSD	.5100	.3603	1.525	.4298	.4846	.2692
#1	11.84	3.643	1.127	2.832	.9616	1.006
#2	11.95	3.648	1.152	2.849	.9663	1.009
#3	11.85	3.623	1.119	2.826	.9570	1.003

Method: STD_MTD Sample Name: 022327 100 Operator: NR1
Run Time: 05/06/02 11:37:53
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k59.80	.2467	k-.1466	3.753	k.00253	k-.0964	k126.1
SDev	.56	.0081	.5636	.041	.00152	.0905	1.1
%RSD	.9304	3.279	384.5	1.100	60.006	93.93	.8664
#1	k60.39	.2548	k-.4371	3.798	k.00173	k-.1463	k127.3
#2	59.74	.2386	.5030	3.746	.00427	.0081	125.9
#3	k59.28	.2467	k-.5058	3.716	k.00158	k-.1509	k125.1

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.3680	k-1.298	9.598	S19610.	k1.644	42.49	k19.96
SDev	.5698	1.257	.100	14482.	.025	.36	.50
%RSD	154.8	96.87	1.047	73.86	1.507	.8385	2.492
#1	k.0537	k-2.021	9.703	S27970.	k1.672	42.86	k19.88
#2	1.026	.1538	9.587	2885.	1.634	42.46	20.49
#3	k.0246	k-2.025	9.503	S27970.	k1.626	42.15	k19.50

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k.1297	1.360	k55.61	k-6.415	k-.0216	k70.58	k3.143
SDev	.0162	.018	33.83	4.691	.0145	3.93	2.286
%RSD	12.51	1.347	60.84	73.12	67.32	5.572	72.74
#1	k.1462	1.368	k74.93	k-9.107	k-.0295	k69.28	k4.508
#2	.1292	1.373	16.54	L-.9986	L-.0048	75.00	.5034
#3	k.1137	1.339	k75.37	k-9.140	k-.0304	k67.47	k4.417

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	k1.741	k23.97	k.8375	k.3674	k.3550	k13.32	k860.8
SDev	.623	1.47	.0149	.5953	.0117	4.89	8.2
%RSD	35.79	6.113	1.784	162.0	3.304	36.70	.9551
#1	k2.110	k23.35	k.8498	k.7481	k.3671	k16.27	k868.7
#2	1.022	25.64	.8417	L-.3186	.3543	7.675	861.3
#3	k2.092	k22.91	k.8209	k.6727	k.3437	k16.01	k852.3

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.44	k2.981	k-4.977	1.642	k.0146	.0996
SDev	.10	.032	4.482	.016	.0000	.0043
%RSD	.5494	1.059	90.05	.9719	.0149	4.357
#1	17.55	k3.014	k-7.521	1.658	k.0146	.1044
#2	17.39	2.975	.1976	1.640	.0146	.0984
#3	17.38	k2.952	k-7.609	1.627	k.0146	.0960

Method: STD_MTD Sample Name: 022327 500 Operator: NR1
Run Time: 05/06/02 11:44:50
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.36	.0499	.0957	.7745	.00084	.0034	27.38
SDev	.11	.0168	.0171	.0084	.00011	.0039	.23
%RSD	.8629	33.76	17.89	1.079	13.084	113.5	.8296
#1	12.25	.0445	.0760	.7661	.00078	.0069	27.13
#2	12.37	.0688	.1070	.7745	.00096	.0041	27.45
#3	12.46	.0364	.1040	.7828	.00077	L-.0008	27.56

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2240	.0343	1.976	616.0	.3520	9.470	4.274
SDev	.0027	.0024	.022	6.2	.0196	.082	.040
%RSD	1.192	6.898	1.089	1.000	5.567	.8706	.9327
#1	.2215	.0319	1.952	620.4	.3316	9.378	4.230
#2	.2237	.0366	1.983	609.0	.3538	9.495	4.285
#3	.2268	.0344	1.993	618.7	.3707	9.538	4.307

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0254	.3014	2.939	L-.2337	L-.0063	15.36	.1558
SDev	.0047	.0190	.451	.0369	.0040	.16	.0009
%RSD	18.52	6.306	15.35	15.79	63.69	1.056	.5766
#1	.0256	.2899	2.493	L-.2756	L-.0022	15.19	.1548
#2	.0299	.2911	3.395	L-.2195	L-.0103	15.40	.1564
#3	.0206	.3234	2.929	L-.2060	L-.0065	15.50	.1563

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2164	5.509	.1804	L-.0449	.0791	1.616	186.7
SDev	.0030	.047	.0059	.0075	.0038	.035	1.7
%RSD	1.397	.8590	3.266	16.81	4.771	2.155	.9303
#1	.2129	5.456	.1737	L-.0461	.0752	1.589	184.8
#2	.2185	5.525	.1826	L-.0368	.0793	1.604	187.0
#3	.2177	5.547	.1848	L-.0517	.0827	1.656	188.3

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.573	.6201	.0536	.3457	.0024	.0198
SDev	.036	.0058	.0129	.0026	.0007	.0013
%RSD	1.009	.9382	24.05	.7391	28.20	6.340
#1	3.536	.6139	.0403	.3429	.0028	.0208
#2	3.574	.6209	.0660	.3462	.0016	.0202
#3	3.608	.6255	.0545	.3479	.0028	.0184

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Method: STD_MTD Sample Name: DC022327 2500 Operator: NR1
Run Time: 05/06/02 11:48:51
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.499	.0175	.0234	.1560	.00021	L-.0004	5.612
SDev	.011	.0306	.0026	.0000	.00001	.0026	.010
%RSD	.4349	174.7	10.95	.0000	3.8055	638.9	.1810
#1	2.486	L-.0040	.0263	.1560	.00020	L-.0034	5.600
#2	2.506	.0040	.0219	.1560	.00022	.0015	5.616
#3	2.503	.0526	.0220	.1560	.00022	.0007	5.620

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0467	.0080	.3987	124.6	.0753	1.934	.8629
SDev	.0012	.0018	.0007	.7	.0065	.006	.0027
%RSD	2.547	22.65	.1756	.5563	8.614	.3035	.3096
#1	.0471	.0092	.3993	124.9	.0722	1.929	.8605
#2	.0477	.0089	.3989	125.1	.0827	1.932	.8623
#3	.0454	.0059	.3979	123.8	.0709	1.940	.8658

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0063	.0601	.8160	L-.0371	L-.0024	3.053	.0119
SDev	.0016	.0119	.2502	.0174	.0029	.009	.0169
%RSD	25.11	19.78	30.67	47.05	120.0	.2931	141.9
#1	.0060	.0479	1.029	L-.0174	L-.0010	3.062	.0130
#2	.0080	.0607	.5402	L-.0506	L-.0005	3.053	L-.0055
#3	.0049	.0717	.8794	L-.0433	L-.0057	3.044	.0281

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0457	1.113	.0356	.0095	.0170	.3274	37.80
SDev	.0032	.004	.0059	.0014	.0019	.0097	.10
%RSD	7.075	.3168	16.54	14.50	11.33	2.978	.2608
#1	.0493	1.110	.0423	.0081	.0148	.3199	37.70
#2	.0445	1.111	.0312	.0095	.0182	.3239	37.78
#3	.0432	1.117	.0334	.0108	.0182	.3384	37.90

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7160	.1251	.0152	.0703	.0023	.0068
SDev	.0058	.0004	.0060	.0000	.0007	.0017
%RSD	.8076	.3555	39.31	.0000	28.73	25.09
#1	.7190	.1254	.0204	.0703	.0027	.0087
#2	.7196	.1246	.0165	.0703	.0027	.0063
#3	.7093	.1254	.0087	.0703	.0016	.0054

Method: STD_MTD Sample Name: 022823 100 Operator: NR1
Run Time: 05/06/02 11:52:52
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	121.9	.0202	.0914	.7813	.00550	.0016	84.73
SDev	1.6	.0146	.0209	.0107	.00011	.0003	.95
%RSD	1.338	72.11	22.88	1.372	1.9606	21.07	1.124
#1	120.5	.0081	.1073	.7722	.00538	.0019	83.90
#2	123.7	.0162	.0991	.7931	.00556	.0012	85.77
#3	121.6	.0364	.0677	.7785	.00557	.0017	84.51

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1907	.0745	.9331	245.8	2.060	42.09	4.385
SDev	.0015	.0023	.0140	2.3	.023	.51	.056
%RSD	.7942	3.138	1.499	.9289	1.138	1.223	1.281
#1	.1891	.0729	.9196	245.7	2.045	41.63	4.337
#2	.1921	.0772	.9475	243.6	2.087	42.65	4.447
#3	.1908	.0734	.9321	248.2	2.047	42.00	4.371

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.1901	14.03	L-.0926	.0002	.7725	.0284
SDev	.0017	.0034	.21	.0110	.0022	.0107	.0183
%RSD	351.6	1.765	1.488	11.87	918.2	1.387	64.47
#1	L-.0015	.1924	14.17	L-.0920	.0015	.7849	.0075
#2	.0017	.1863	14.12	L-.0820	L-.0023	.7668	.0359
#3	.0013	.1917	13.79	L-.1039	.0015	.7659	.0417

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2726	2.405	.0726	L-.0001	.0202	6.801	5.672
SDev	.0027	.031	.0056	.0242	.0018	.087	.072
%RSD	.9916	1.293	7.722	47250.	8.666	1.279	1.263
#1	.2697	2.379	.0734	.0085	.0188	6.716	5.639
#2	.2751	2.440	.0667	.0188	.0221	6.890	5.754
#3	.2729	2.398	.0778	L-.0274	.0196	6.797	5.622

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.208	.2276	.2668	1.038	.0716	.0353
SDev	.134	.0031	.0094	.016	.0000	.0002
%RSD	1.454	1.372	3.533	1.531	.0027	.4921
#1	9.071	.2247	.2568	1.022	.0716	.0355
#2	9.339	.2309	.2755	1.054	.0716	.0352
#3	9.214	.2271	.2681	1.039	.0716	.0352

Method: STD_MTD Sample Name: 022823D 100 Operator: NR1
Run Time: 05/06/02 11:56:53
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	125.1	.0512	.0611	.7987	.00556	.0034	85.18
SDev	.8	.0269	.0271	.0060	.00001	.0046	.55
%RSD	.6278	52.57	44.38	.7551	.11297	137.2	.6470
#1	124.4	.0202	.0594	.7952	.00555	.0018	84.71
#2	124.8	.0647	.0349	.7952	.00556	.0086	85.05
#3	125.9	.0688	.0891	.8056	.00555	L-.0003	85.79

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1827	.0752	.9481	249.2	2.069	43.01	4.446
SDev	.0015	.0012	.0045	1.5	.022	.26	.031
%RSD	.8381	1.559	.4764	.5872	1.062	.6120	.6956
#1	.1813	.0756	.9448	250.1	2.070	42.78	4.420
#2	.1825	.0739	.9462	250.0	2.046	42.94	4.438
#3	.1844	.0761	.9533	247.5	2.090	43.30	4.480

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0033	.1802	14.17	L-.0959	L-.0039	.7742	.0018
SDev	.0016	.0140	.12	.0122	.0020	.0003	.0250
%RSD	47.74	7.750	.8667	12.73	50.86	.0368	1419.
#1	L-.0015	.1649	14.28	L-.0980	L-.0061	.7740	L-.0173
#2	L-.0042	.1832	14.04	L-.0828	L-.0032	.7740	.0301
#3	L-.0042	.1924	14.18	L-.1069	L-.0023	.7745	L-.0075

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2776	2.471	.0734	L-.0290	.0188	7.143	5.775
SDev	.0025	.014	.0067	.0221	.0034	.044	.029
%RSD	.8970	.5797	9.108	76.29	17.81	.6117	.5096
#1	.2784	2.461	.0667	L-.0532	.0188	7.093	5.741
#2	.2748	2.466	.0801	L-.0099	.0155	7.162	5.796
#3	.2795	2.488	.0734	L-.0237	.0221	7.174	5.786

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.665	.2314	.2879	1.043	.0743	.0333
SDev	.067	.0016	.0120	.006	.0007	.0009
%RSD	.7713	.6949	4.163	.6070	.9062	2.609
#1	8.602	.2309	.2890	1.039	.0739	.0328
#2	8.659	.2301	.2754	1.040	.0739	.0328
#3	8.735	.2332	.2993	1.050	.0751	.0343

Method: STD_MTD Sample Name: 022823S 100 Operator: NR1
Run Time: 05/06/02 12:00:56
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	147.5	.3316	.5877	1.809	.51042	.5036	93.75
SDev	1.9	.0323	.0137	.023	.00732	.0020	.96
%RSD	1.314	9.756	2.337	1.244	1.4343	.4044	1.023
#1	147.4	.2993	.5742	1.808	.50964	.5049	93.64
#2	149.4	.3640	.5873	1.833	.51811	.5046	94.77
#3	145.6	.3316	.6017	1.788	.50353	.5012	92.86

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.190	1.117	1.938	259.4	3.007	57.50	5.407
SDev	.013	.014	.025	3.1	.020	.75	.064
%RSD	1.097	1.229	1.285	1.184	.6587	1.304	1.177
#1	1.190	1.114	1.934	257.7	3.003	57.42	5.402
#2	1.203	1.132	1.964	263.0	3.028	58.29	5.472
#3	1.176	1.105	1.915	257.6	2.989	56.80	5.345

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0719	.6977	26.37	.3762	.4997	10.89	.9551
SDev	.0016	.0172	.85	.0185	.0032	.13	.0348
%RSD	2.202	2.471	3.225	4.927	.6443	1.229	3.648
#1	.0737	.7006	25.62	.3593	.5008	10.86	.9221
#2	.0710	.7134	27.29	.3960	.5022	11.04	.9516
#3	.0710	.6792	26.20	.3733	.4961	10.77	.9915

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7984	4.437	1.001	.4433	.4988	10.85	6.664
SDev	.0084	.048	.014	.0398	.0034	.11	.152
%RSD	1.049	1.083	1.428	8.977	.6795	1.030	2.288
#1	.7973	4.433	1.007	.4660	.5008	10.85	6.647
#2	.8073	4.487	1.012	.4666	.5008	10.96	6.824
#3	.7906	4.391	.9849	.3974	.4949	10.74	6.520

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.686	.7461	1.164	1.785	1.053	.1922
SDev	.090	.0093	.029	.022	.013	.0023
%RSD	1.038	1.242	2.466	1.223	1.218	1.175
#1	8.680	.7456	1.148	1.783	1.052	.1899
#2	8.778	.7556	1.197	1.808	1.066	.1944
#3	8.598	.7371	1.147	1.765	1.041	.1923

Method: STD_MTD Sample Name: 022823X 100 Operator: NR1
Run Time: 05/06/02 12:04:57
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	137.5	.3303	.5383	1.775	.49733	.4872	90.87
SDev	.3	.0084	.0090	.003	.00112	.0066	.17
%RSD	.2101	2.549	1.664	.1892	.22589	1.354	.1923
#1	137.3	.3397	.5429	1.776	.49608	.4796	90.70
#2	137.8	.3276	.5441	1.777	.49825	.4917	91.05
#3	137.5	.3235	.5280	1.771	.49766	.4903	90.87

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.148	1.064	1.904	249.1	2.862	55.59	5.431
SDev	.003	.002	.001	2.4	.004	.10	.011
%RSD	.2216	.1774	.0736	.9491	.1494	.1819	.2010
#1	1.146	1.063	1.903	246.7	2.861	55.48	5.420
#2	1.151	1.066	1.906	251.4	2.858	55.69	5.441
#3	1.149	1.063	1.903	249.3	2.866	55.59	5.432

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0623	.6622	23.82	.3808	.4869	10.60	.9354
SDev	.0084	.0134	.21	.0113	.0034	.04	.0315
%RSD	13.43	2.018	.8778	2.975	.7029	.4224	3.364
#1	.0675	.6567	23.58	.3766	.4847	10.55	.9007
#2	.0527	.6774	23.99	.3723	.4909	10.64	.9437
#3	.0668	.6524	23.88	.3937	.4852	10.60	.9620

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7688	4.318	.9560	.4840	.4893	10.52	6.555
SDev	.0004	.012	.0044	.0340	.0050	.00	.064
%RSD	.0469	.2729	.4660	7.020	1.030	.0350	.9805
#1	.7689	4.305	.9516	.5135	.4840	10.52	6.524
#2	.7691	4.326	.9560	.4916	.4940	10.53	6.629
#3	.7684	4.325	.9605	.4469	.4899	10.52	6.513

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.280	.7252	1.096	1.446	1.033	.2349
SDev	.013	.0012	.006	.002	.001	.0017
%RSD	.1845	.1623	.5525	.1204	.0651	.7058
#1	7.267	.7255	1.089	1.445	1.034	.2360
#2	7.294	.7263	1.101	1.448	1.033	.2357
#3	7.281	.7240	1.097	1.444	1.033	.2330

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 12:08:58
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.992	.0418	.9700	2.004	1.0074	1.007	20.72
SDev	.030	.0047	.0128	.013	.0066	.000	.13
%RSD	.7550	11.17	1.321	.6643	.65396	.0195	.6167
#1	4.007	.0364	.9796	2.013	1.0086	1.006	20.73
#2	3.957	.0445	.9555	1.989	1.0003	1.007	20.58
#3	4.012	.0445	.9750	2.011	1.0133	1.007	20.83

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.028	2.085	2.009	4.011	2.035	19.78	2.042
SDev	.011	.015	.013	.026	.010	.12	.011
%RSD	.5332	.7027	.6709	.6388	.4826	.5886	.5512
#1	2.028	2.086	2.010	4.023	2.045	19.81	2.045
#2	2.017	2.070	1.995	3.981	2.025	19.65	2.030
#3	2.039	2.099	2.022	4.028	2.036	19.88	2.052

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3390	1.036	19.79	.9805	1.008	20.12	2.047
SDev	.0114	.013	.34	.0232	.008	.18	.049
%RSD	3.351	1.290	1.711	2.368	.8087	.9020	2.376
#1	.3280	1.030	19.40	.9543	1.012	20.08	2.069
#2	.3382	1.026	19.99	.9888	.9988	19.97	1.992
#3	.3507	1.051	19.99	.9984	1.014	20.32	2.081

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.013	4.026	2.031	1.038	.0014	10.15	.0437
SDev	.005	.028	.020	.030	.0034	.04	.0124
%RSD	.5245	.6946	.9940	2.897	242.1	.3631	28.29
#1	1.011	4.029	2.028	1.069	-.0006	10.18	.0487
#2	1.008	3.997	2.012	1.035	-.0006	10.11	.0296
#3	1.019	4.053	2.052	1.010	.0053	10.16	.0528

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0103	.9970	-.0076	.0011	1.986	-.0057
SDev	.0075	.0062	.0038	.0010	.012	.0000
%RSD	72.86	.6246	50.32	86.60	.5991	.0000
#1	-.0114	1.001	-.0078	.0017	1.991	-.0057
#2	-.0023	.9898	-.0037	.0017	1.973	-.0057
#3	-.0171	1.001	-.0113	.0000	1.995	-.0057

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 12:12:59
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0170	.9666	-.0065	.0014	-.00013	.0008	-.0116
SDev	.0240	.0107	.0071	.0000	.00012	.0018	.0038
%RSD	141.0	1.107	110.2	.0008	88.526	233.2	33.12
#1	-.0027	.9706	-.0012	.0014	-.00006	.0001	-.0116
#2	.0101	.9747	-.0146	.0014	-.00026	.0028	-.0154
#3	.0437	.9544	-.0036	.0014	-.00006	-.0006	-.0077

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0034	.0030	20.08	.0043	2.009	-.0002
SDev	.0012	.0004	.0015	.21	.0152	.021	.0004
%RSD	159.5	10.67	48.43	1.053	351.1	1.023	198.3
#1	-.0006	.0033	.0013	20.14	-.0097	2.016	.0001
#2	.0017	.0037	.0040	19.85	.0022	1.986	-.0001
#3	.0011	.0030	.0037	20.26	.0205	2.025	-.0006

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	-.0077	-.3079	-.0163	.0121	-.0208	-.0948
SDev	.0049	.0127	.5012	.0073	.0022	.0104	.0218
%RSD	150.9	164.2	162.8	44.76	18.03	50.23	22.99
#1	.0026	-.0221	-.4381	-.0246	.0134	-.0269	-.1009
#2	.0085	-.0026	.2456	-.0135	.0134	-.0268	-.0705
#3	-.0013	.0016	-.7312	-.0108	.0096	-.0087	-.1128

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0039	-.0007	-.0011	1.001	.0023	2.007
SDev	.0007	.0005	.0046	.0587	.014	.0142	.035
%RSD	196.8	12.40	619.9	5390.	1.379	609.7	1.757
#1	-.0008	-.0042	-.0045	.0356	1.005	-.0061	1.976
#2	.0004	-.0042	-.0022	.0300	.9856	.0187	2.000
#3	-.0007	-.0034	.0044	-.0688	1.012	-.0056	2.045

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.929	.0003	2.003	1.962	.0012	1.955
SDev	.013	.0004	.013	.021	.0007	.024
%RSD	.6599	173.3	.6309	1.094	57.74	1.218
#1	1.931	-.0003	2.008	1.968	.0004	1.961
#2	1.915	.0005	1.989	1.939	.0016	1.929
#3	1.940	.0005	2.012	1.980	.0016	1.976

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 12:18:52
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0029	.0094	-.0163	Q.0014	-.00000	.0005	.0013
SDev	.0154	.0124	.0172	.0000	.00011	.0006	.0111
%RSD	527.0	130.9	105.9	.0024	10559.	117.7	859.5
#1	-.0135	.0121	Q-.0251	Q.0014	-.00006	-.0002	-.0115
#2	.0148	.0202	.0036	Q.0014	.00012	.0010	.0077
#3	-.0101	-.0040	Q-.0273	Q.0014	-.00006	.0007	.0077

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0008	-.0001	-.0000	.0075	.0001	.0002
SDev	.0007	.0014	.0039	.0017	.0148	.0001	.0003
%RSD	385000.	173.2	3503.	3458000.	198.4	173.2	114.5
#1	-.0004	-.0020	-.0044	-.0020	-.0096	.0002	-.0001
#2	.0008	-.0010	.0034	.0012	.0153	.0002	.0005
#3	-.0004	.0007	.0007	.0008	.0167	-.0001	.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0046	-.0077	-.6682	-.0018	-.0013	.0182	-.0034
SDev	.0066	.0129	.9358	.0146	.0036	.0105	.0119
%RSD	144.0	166.8	140.0	793.9	283.3	57.73	351.8
#1	.0026	Q-.0142	-.5378	.0092	-.0051	.0061	.0079
#2	-.0060	Q-.0160	.1956	.0037	.0021	.0242	-.0022
#3	-.0103	.0071	Q-1.662	-.0184	-.0008	.0242	-.0158

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0003	.0037	.0455	.0017	.0058	-.0018
SDev	.0025	.0006	.0051	.0153	.0005	.0221	.0088
%RSD	624.5	173.1	138.5	33.57	28.85	380.7	502.6
#1	-.0004	.0007	-.0022	.0404	.0022	.0141	-.0115
#2	.0032	.0007	.0067	.0334	.0014	.0226	.0005
#3	-.0016	-.0003	.0067	Q.0626	.0014	-.0192	.0057

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0278	.0003	-.0024	.0006	Q.0012	.0018
SDev	.0033	.0004	.0080	.0010	.0007	.0016
%RSD	11.86	173.2	330.7	173.2	57.74	86.60
#1	-.0297	.0005	-.0059	.0000	.0004	.0009
#2	-.0240	.0005	.0068	.0017	Q.0016	.0036
#3	-.0297	-.0003	-.0081	.0000	Q.0016	.0009

Method: STD_MTD Sample Name: 022824 100 Operator: NR1
Run Time: 05/06/02 12:24:45
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	129.2	.0337	.1087	.8016	.00568	.0058	44.79
SDev	1.2	.0237	.0312	.0084	.00011	.0057	.29
%RSD	.9465	70.31	28.67	1.043	1.9839	99.34	.6571
#1	130.3	.0607	.1331	.8099	.00555	.0086	45.02
#2	129.4	.0243	.0736	.8016	.00574	.0095	44.89
#3	127.9	.0162	.1194	.7932	.00574	L-.0008	44.46

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1499	.0807	.7770	253.3	1.681	32.78	4.695
SDev	.0006	.0016	.0061	1.2	.012	.24	.036
%RSD	.4205	1.928	.7804	.4827	.7292	.7324	.7677
#1	.1505	.0815	.7820	251.9	1.683	32.98	4.725
#2	.1492	.0789	.7787	254.4	1.668	32.84	4.704
#3	.1499	.0817	.7703	253.5	1.692	32.51	4.655

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0031	.1594	10.22	L-.1015	L-.0041	.8918	.0304
SDev	.0065	.0116	.26	.0118	.0019	.0243	.0191
%RSD	213.8	7.261	2.506	11.65	47.23	2.726	62.83
#1	.0040	.1625	10.42	L-.0898	L-.0061	.9011	.0138
#2	L-.0089	.1467	9.933	L-.1015	L-.0037	.8642	.0261
#3	L-.0042	.1692	10.32	L-.1134	L-.0023	.9101	.0513

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2822	1.717	.0385	.0120	.0184	4.587	2.835
SDev	.0007	.013	.0068	.0135	.0029	.030	.046
%RSD	.2338	.7465	17.69	112.8	15.97	.6478	1.614
#1	.2816	1.729	.0310	.0191	.0153	4.614	2.866
#2	.2829	1.718	.0444	.0204	.0212	4.593	2.856
#3	.2822	1.704	.0400	L-.0036	.0187	4.555	2.782

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	6.538	.2071	.1897	.9646	.0680	.0368
SDev	.046	.0019	.0066	.0070	.0000	.0049
%RSD	.7039	.9372	3.467	.7220	.0009	13.32
#1	6.585	.2089	.1953	.9701	.0680	.0424
#2	6.537	.2074	.1914	.9668	.0680	.0346
#3	6.493	.2051	.1824	.9568	.0680	.0334

Method: STD_MTD Sample Name: 022825 100 Operator: NR1
Run Time: 05/06/02 12:28:49
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.2	.0607	.1026	1.087	.00553	.0162	87.40
SDev	.2	.0146	.0245	.004	.00011	.0058	.07
%RSD	.1729	24.04	23.88	.4001	1.9826	35.68	.0842
#1	112.0	.0768	.1213	1.084	.00541	.0098	87.43
#2	112.2	.0485	.1117	1.086	.00560	.0180	87.31
#3	112.4	.0566	.0749	1.092	.00560	.0210	87.45

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2153	.0663	2.782	242.3	6.172	37.91	3.933
SDev	.0024	.0005	.008	.9	.018	.01	.005
%RSD	1.101	.6911	.2857	.3580	.2929	.0366	.1305
#1	.2129	.0660	2.773	243.2	6.191	37.91	3.931
#2	.2176	.0668	2.785	241.4	6.155	37.89	3.929
#3	.2153	.0661	2.788	242.2	6.169	37.92	3.938

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0063	.2192	11.79	L-.0810	.0034	.6357	L-.0058
SDev	.0047	.0034	.47	.0255	.0017	.0137	.0153
%RSD	74.91	1.548	4.009	31.44	49.60	2.149	261.3
#1	L-.0065	.2222	11.27	L-.0836	.0030	.6506	.0039
#2	L-.0108	.2198	12.20	L-.1051	.0020	.6238	L-.0235
#3	L-.0015	.2155	11.91	L-.0544	.0053	.6326	.0020

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2601	6.943	.0868	.0312	.0226	7.742	7.672
SDev	.0018	.004	.0022	.0367	.0034	.018	.085
%RSD	.7045	.0616	2.567	117.8	14.94	.2307	1.103
#1	.2581	6.938	.0890	.0066	.0262	7.747	7.577
#2	.2604	6.947	.0868	.0734	.0221	7.722	7.738
#3	.2617	6.943	.0845	.0136	.0196	7.757	7.702

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.002	.3336	.9735	1.118	.0708	.0309
SDev	.014	.0012	.0149	.002	.0007	.0009
%RSD	.2023	.3527	1.530	.1727	.9494	2.812
#1	6.991	.3326	.9812	1.117	.0716	.0319
#2	7.018	.3334	.9563	1.117	.0705	.0304
#3	6.995	.3349	.9830	1.121	.0705	.0304

Method: STD_MTD Sample Name: 022826 100 Operator: NR1
Run Time: 05/06/02 12:32:58
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	128.4	.0741	.0912	1.085	.00634	.0083	329.9
SDev	1.0	.0230	.0378	.008	.00001	.0001	1.8
%RSD	.8044	31.02	41.45	.6940	.10107	1.374	.5327
#1	129.0	.0809	.0725	1.091	.00634	.0083	330.7
#2	128.9	.0930	.1346	1.087	.00634	.0082	331.1
#3	127.2	.0485	.0664	1.077	.00635	.0084	327.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3212	.0961	4.610	277.5	4.001	118.2	7.053
SDev	.0027	.0023	.042	.9	.014	.9	.049
%RSD	.8311	2.353	.9040	.3136	.3506	.7936	.6884
#1	.3211	.0943	4.638	276.5	3.996	118.7	7.079
#2	.3240	.0986	4.630	278.0	4.017	118.8	7.083
#3	.3186	.0952	4.562	277.9	3.991	117.1	6.997

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0010	.2663	16.51	L-.1269	L-.0040	.8977	.0310
SDev	.0030	.0034	.64	.0202	.0021	.0054	.0264
%RSD	307.2	1.260	3.854	15.90	51.11	.5993	85.24
#1	.0024	.2679	17.11	L-.1036	L-.0064	.9039	.0009
#2	L-.0023	.2624	15.84	L-.1386	L-.0026	.8944	.0417
#3	L-.0030	.2685	16.57	L-.1386	L-.0031	.8947	.0503

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2792	5.382	.0711	L-.0193	.0232	5.838	1.675
SDev	.0025	.037	.0067	.0221	.0000	.117	.054
%RSD	.9107	.6886	9.392	114.3	.0588	2.011	3.243
#1	.2784	5.402	.0711	L-.0234	.0232	5.946	1.734
#2	.2821	5.405	.0778	.0045	.0232	5.856	1.664
#3	.2772	5.339	.0644	L-.0390	.0232	5.713	1.627

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.741	.6252	.7357	1.387	.1109	.0436
SDev	.049	.0053	.0078	.009	.0007	.0016
%RSD	.6268	.8413	1.065	.6448	.6081	3.584
#1	7.768	.6293	.7335	1.392	.1105	.0418
#2	7.770	.6270	.7444	1.392	.1117	.0445
#3	7.685	.6193	.7292	1.377	.1105	.0445

Method: STD_MTD Sample Name: 022827 100 Operator: NR1
Run Time: 05/06/02 12:37:04
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	120.3	.0607	.0893	.8050	.00562	.0094	54.13
SDev	1.6	.0305	.0222	.0105	.00011	.0003	.63
%RSD	1.341	50.33	24.81	1.306	1.9677	3.557	1.157
#1	118.8	.0283	.0646	.7953	.00556	.0098	53.57
#2	120.0	.0647	.0959	.8037	.00555	.0093	54.01
#3	122.0	.0890	.1074	.8162	.00575	.0091	54.80

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1673	.0702	1.746	240.7	4.058	28.21	4.663
SDev	.0018	.0030	.023	.9	.050	.34	.063
%RSD	1.065	4.274	1.328	.3825	1.236	1.197	1.353
#1	.1653	.0682	1.725	241.1	4.032	27.90	4.605
#2	.1677	.0687	1.743	239.6	4.027	28.16	4.653
#3	.1688	.0736	1.771	241.3	4.116	28.57	4.730

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1617	11.98	L-.0938	.0012	.8301	L-.0261
SDev	.0048	.0119	.25	.0457	.0007	.0225	.0194
%RSD	480.1	7.350	2.063	48.71	62.65	2.713	74.31
#1	L-.0042	.1534	11.75	L-.1296	.0020	.8332	L-.0328
#2	.0052	.1564	11.94	L-.0423	.0010	.8062	L-.0042
#3	.0020	.1753	12.24	L-.1094	.0005	.8509	L-.0412

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2776	3.659	.0667	L-.0052	.0242	8.656	8.323
SDev	.0028	.046	.0044	.0253	.0013	.141	.162
%RSD	1.006	1.271	6.672	483.1	5.294	1.630	1.949
#1	.2744	3.614	.0667	L-.0338	.0244	8.516	8.175
#2	.2792	3.655	.0623	.0040	.0228	8.653	8.298
#3	.2793	3.707	.0712	.0142	.0253	8.798	8.496

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.92	.2732	.5863	1.164	.0622	.0312
SDev	.12	.0032	.0067	.013	.0000	.0021
%RSD	1.129	1.176	1.146	1.140	.0020	6.566
#1	10.80	.2707	.5790	1.154	.0622	.0328
#2	10.93	.2722	.5877	1.159	.0622	.0319
#3	11.04	.2768	.5922	1.179	.0622	.0289

Method: STD_MTD Sample Name: 022828 100 Operator: NR1
Run Time: 05/06/02 12:41:08
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	133.1	.0553	.1078	.8657	.00629	.0003	33.51
SDev	.9	.0102	.0079	.0079	.00001	.0011	.18
%RSD	.6761	18.41	7.334	.9138	.09631	353.1	.5337
#1	134.1	.0445	.1169	.8748	.00628	L-.0009	33.72
#2	132.6	.0566	.1032	.8622	.00629	.0009	33.43
#3	132.6	.0647	.1033	.8601	.00629	.0009	33.39

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1629	.0873	1.586	267.3	2.354	30.02	5.785
SDev	.0012	.0028	.012	2.4	.025	.19	.038
%RSD	.7442	3.213	.7494	.9119	1.051	.6401	.6618
#1	.1624	.0875	1.600	269.8	2.380	30.24	5.829
#2	.1642	.0901	1.581	266.9	2.330	29.91	5.767
#3	.1620	.0845	1.579	265.0	2.353	29.90	5.759

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0032	.1777	11.43	L-.1286	.0002	.6607	.0074
SDev	.0020	.0028	.21	.0158	.0026	.0165	.0170
%RSD	62.41	1.571	1.819	12.29	1117.	2.493	230.9
#1	L-.0054	.1802	11.19	L-.1462	L-.0025	.6417	.0270
#2	L-.0027	.1747	11.57	L-.1243	.0028	.6699	L-.0040
#3	L-.0015	.1783	11.52	L-.1154	.0004	.6704	L-.0009

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3003	2.552	.0451	L-.0201	.0189	5.692	3.499
SDev	.0024	.015	.0093	.0025	.0038	.022	.076
%RSD	.8002	.6001	20.55	12.60	19.94	.3911	2.158
#1	.3030	2.570	.0377	L-.0225	.0153	5.713	3.579
#2	.2992	2.541	.0422	L-.0202	.0228	5.693	3.429
#3	.2985	2.546	.0555	L-.0175	.0186	5.668	3.487

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.525	.2399	.3355	1.055	.0700	.0323
SDev	.044	.0018	.0065	.008	.0013	.0014
%RSD	.5826	.7423	1.944	.7493	1.922	4.403
#1	7.574	.2420	.3346	1.064	.0692	.0307
#2	7.512	.2389	.3295	1.052	.0692	.0334
#3	7.490	.2389	.3424	1.049	.0715	.0328

Method: STD_MTD Sample Name: 023342 100 Operator: NR1
Run Time: 05/06/02 12:45:12
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	82.83	3.772	.1067	1.210	.00898	.1141	78.11
SDev	.48	.047	.0203	.010	.00011	.0019	.56
%RSD	.5813	1.256	19.04	.8158	1.2654	1.701	.7178
#1	82.61	3.737	.0917	1.207	.00885	.1162	77.85
#2	83.39	3.826	.0986	1.222	.00905	.1137	78.75
#3	82.51	3.753	.1298	1.203	.00904	.1124	77.72

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9314	.0536	1.917	77.45	.8827	16.26	.3277
SDev	.0086	.0009	.011	.91	.0171	.11	.0020
%RSD	.9193	1.709	.5841	1.171	1.937	.6536	.6088
#1	.9287	.0535	1.912	76.89	.9016	16.22	.3268
#2	.9410	.0546	1.930	76.98	.8683	16.38	.3300
#3	.9246	.0527	1.910	78.50	.8781	16.18	.3264

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.2094	16.81	.0052	4.084	8.469	L-.1770
SDev	.0050	.0050	.38	.0087	.028	.068	.0254
%RSD	246.1	2.382	2.283	167.9	.6734	.8073	14.33
#1	.0029	.2052	16.57	.0027	4.069	8.472	L-.2058
#2	.0065	.2082	16.62	.0149	4.115	8.535	L-.1669
#3	L-.0033	.2149	17.26	L-.0020	4.067	8.399	L-.1582

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2256	7.185	.3919	L-.0282	.1330	68.51	59.64
SDev	.0016	.038	.0039	.0410	.0014	.55	.50
%RSD	.6936	.5357	.9840	145.5	1.090	.7975	.8464
#1	.2254	7.170	.3897	L-.0533	.1321	68.23	59.34
#2	.2242	7.228	.3964	L-.0504	.1346	69.14	60.23
#3	.2273	7.156	.3897	.0191	.1321	68.17	59.36

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.456	.9321	.3420	3.429	.0545	.0200
SDev	.024	.0072	.0132	.024	.0013	.0009
%RSD	.7057	.7685	3.864	.6972	2.465	4.606
#1	3.434	.9287	.3341	3.416	.0553	.0208
#2	3.482	.9403	.3572	3.457	.0530	.0190
#3	3.451	.9272	.3346	3.415	.0553	.0202

Method: STD_MTD Sample Name: 023343 100 Operator: NR1
Run Time: 05/06/02 12:49:17
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	84.98	3.332	.1485	1.345	.01015	.1016	80.13
SDev	.70	.021	.0234	.013	.00000	.0024	.41
%RSD	.8215	.6422	15.76	.9703	.02632	2.334	.5059
#1	84.40	3.349	.1280	1.334	.01016	.1043	79.71
#2	85.76	3.341	.1740	1.359	.01015	.1004	80.52
#3	84.79	3.308	.1436	1.341	.01015	.1000	80.14

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8583	.0760	1.763	81.50	.7846	16.49	.3191
SDev	.0040	.0023	.015	.32	.0108	.11	.0021
%RSD	.4647	2.966	.8516	.3941	1.380	.6582	.6411
#1	.8538	.0780	1.753	81.31	.7805	16.40	.3175
#2	.8614	.0736	1.780	81.32	.7763	16.61	.3214
#3	.8596	.0766	1.756	81.87	.7968	16.47	.3185

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.2177	18.76	.0373	3.372	8.370	L-.1466
SDev	.0024	.0147	.54	.0188	.026	.063	.0167
%RSD	619.0	6.765	2.879	50.42	.7672	.7517	11.42
#1	L-.0022	.2021	18.83	.0342	3.352	8.334	L-.1579
#2	.0009	.2198	19.27	.0202	3.401	8.443	L-.1545
#3	.0025	.2314	18.19	.0575	3.362	8.334	L-.1274

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2566	6.324	.4127	L-.0183	.1224	64.74	59.06
SDev	.0011	.047	.0013	.0089	.0029	.63	.65
%RSD	.4131	.7484	.3125	48.45	2.401	.9738	1.105
#1	.2554	6.281	.4119	L-.0082	.1196	64.33	58.57
#2	.2572	6.375	.4142	L-.0218	.1254	65.47	59.81
#3	.2572	6.317	.4119	L-.0248	.1221	64.42	58.81

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.828	1.059	.3045	3.558	.0635	.0227
SDev	.028	.011	.0080	.031	.0000	.0009
%RSD	.7402	1.009	2.634	.8834	.0013	3.832
#1	3.800	1.050	.2954	3.532	.0634	.0232
#2	3.857	1.070	.3077	3.593	.0635	.0232
#3	3.826	1.056	.3104	3.549	.0635	.0217

Method: STD_MTD Sample Name: 023344 100 Operator: NR1
Run Time: 05/06/02 12:53:20
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	83.10	3.163	.1272	1.263	.00935	.0998	74.82
SDev	1.02	.025	.0170	.018	.00011	.0004	.78
%RSD	1.233	.7778	13.41	1.388	1.1973	.3778	1.047
#1	83.58	3.175	.1468	1.274	.00941	.0998	75.21
#2	81.92	3.134	.1157	1.242	.00922	.0994	73.92
#3	83.79	3.179	.1191	1.272	.00941	.1002	75.34

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8185	.0684	1.662	115.6	.7311	15.83	.4856
SDev	.0089	.0008	.021	.6	.0213	.17	.0054
%RSD	1.084	1.216	1.263	.4923	2.919	1.103	1.104
#1	.8224	.0689	1.671	115.1	.7349	15.92	.4883
#2	.8083	.0689	1.637	115.4	.7503	15.63	.4795
#3	.8247	.0675	1.676	116.2	.7081	15.94	.4891

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.2074	16.71	.0074	4.507	8.134	L-.1550
SDev	.0034	.0062	.34	.0086	.051	.103	.0280
%RSD	413.2	2.972	2.050	116.5	1.132	1.267	18.04
#1	L-.0022	.2106	16.37	.0167	4.532	8.180	L-.1556
#2	.0045	.2003	17.05	.0058	4.449	8.016	L-.1826
#3	.0002	.2112	16.71	L-.0003	4.541	8.207	L-.1267

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2372	5.908	.3771	L-.0313	.1210	61.30	56.67
SDev	.0017	.063	.0093	.0091	.0043	.62	.69
%RSD	.7326	1.073	2.459	29.04	3.549	1.017	1.210
#1	.2392	5.938	.3875	L-.0405	.1246	61.52	56.90
#2	.2362	5.836	.3741	L-.0311	.1162	60.59	55.90
#3	.2362	5.951	.3696	L-.0223	.1221	61.78	57.21

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.984	1.014	.2984	3.422	.0596	.0196
SDev	.048	.014	.0054	.042	.0007	.0010
%RSD	1.208	1.360	1.816	1.220	1.132	5.329
#1	3.988	1.022	.2922	3.441	.0599	.0202
#2	3.934	.9980	.3022	3.374	.0588	.0202
#3	4.030	1.022	.3007	3.450	.0599	.0184

Method: STD_MTD Sample Name: 023345 100 Operator: NR1
Run Time: 05/06/02 12:57:24
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	73.64	3.599	.0912	1.193	.00623	.1206	79.91
SDev	.43	.012	.0027	.006	.00011	.0047	.40
%RSD	.5841	.3371	2.956	.5350	1.7173	3.908	.5038
#1	73.77	3.611	.0883	1.194	.00610	.1172	79.99
#2	73.98	3.587	.0916	1.199	.00629	.1260	80.28
#3	73.16	3.599	.0937	1.186	.00629	.1187	79.48

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8952	.0485	1.857	56.50	.8017	16.46	.2867
SDev	.0052	.0024	.011	.83	.0106	.09	.0012
%RSD	.5841	4.839	.5798	1.478	1.316	.5238	.4267
#1	.8934	.0458	1.856	55.94	.8124	16.47	.2877
#2	.9010	.0502	1.867	56.10	.8013	16.54	.2870
#3	.8910	.0494	1.846	57.46	.7913	16.37	.2853

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0088	.1759	16.85	L-.0058	5.102	8.766	L-.1200
SDev	.0030	.0027	.76	.0313	.027	.061	.0173
%RSD	33.81	1.510	4.509	536.9	.5316	.6923	14.44
#1	L-.0067	.1729	16.08	L-.0392	5.110	8.806	L-.1348
#2	L-.0075	.1771	16.86	.0228	5.124	8.797	L-.1009
#3	L-.0122	.1777	17.60	L-.0010	5.072	8.696	L-.1244

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1420	6.241	.3155	.0076	.1129	77.79	64.80
SDev	.0029	.028	.0046	.0175	.0014	.49	.33
%RSD	2.033	.4504	1.469	231.1	1.284	.6240	.5124
#1	.1388	6.239	.3118	.0052	.1120	77.73	64.83
#2	.1443	6.271	.3140	L-.0086	.1145	78.30	65.12
#3	.1431	6.215	.3207	.0261	.1120	77.34	64.46

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.740	.6912	.3254	2.574	.0390	.0171
SDev	.015	.0044	.0077	.014	.0000	.0028
%RSD	.4085	.6439	2.359	.5363	.0021	16.40
#1	3.733	.6938	.3286	2.578	.0390	.0138
#2	3.758	.6938	.3311	2.585	.0390	.0190
#3	3.729	.6861	.3167	2.558	.0390	.0184

Method: STD_MTD Sample Name: 023346 100 Operator: NR1
Run Time: 05/06/02 13:01:28
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	72.04	3.474	.1123	1.187	.00610	.1206	80.89
SDev	.30	.041	.0068	.008	.00019	.0040	.33
%RSD	.4117	1.181	6.091	.6666	3.1370	3.303	.4124
#1	71.70	3.482	.1193	1.178	.00591	.1224	80.52
#2	72.26	3.510	.1119	1.192	.00630	.1160	81.16
#3	72.17	3.429	.1057	1.190	.00610	.1234	80.98

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8827	.0476	1.806	56.06	.7646	16.18	.2794
SDev	.0049	.0018	.011	.78	.0127	.06	.0014
%RSD	.5535	3.796	.6348	1.386	1.659	.3486	.4942
#1	.8771	.0455	1.792	55.23	.7522	16.11	.2778
#2	.8859	.0485	1.814	56.18	.7642	16.22	.2803
#3	.8852	.0488	1.811	56.77	.7776	16.19	.2801

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0080	.1773	17.46	.0075	4.577	8.494	L-.1060
SDev	.0020	.0130	.88	.0240	.016	.038	.0087
%RSD	24.67	7.341	5.020	320.6	.3587	.4430	8.202
#1	L-.0082	.1698	16.71	.0331	4.559	8.452	L-.0959
#2	L-.0059	.1698	17.25	.0037	4.591	8.524	L-.1110
#3	L-.0098	.1924	18.43	L-.0144	4.582	8.506	L-.1109

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1396	6.252	.3014	L-.0169	.1131	76.09	63.63
SDev	.0028	.017	.0034	.0467	.0013	.36	.32
%RSD	2.034	.2655	1.128	275.7	1.127	.4672	.5085
#1	.1363	6.234	.2984	L-.0453	.1145	75.72	63.28
#2	.1412	6.265	.3006	L-.0424	.1120	76.43	63.91
#3	.1412	6.258	.3051	.0370	.1129	76.13	63.71

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.914	.6836	.3210	2.509	.0374	.0248
SDev	.018	.0038	.0040	.012	.0014	.0014
%RSD	.4637	.5564	1.250	.4599	3.593	5.610
#1	3.893	.6792	.3174	2.496	.0367	.0232
#2	3.924	.6861	.3253	2.517	.0367	.0256
#3	3.924	.6854	.3204	2.513	.0390	.0256

Method: STD_MTD Sample Name: 023347 100 Operator: NR1
Run Time: 05/06/02 13:05:33
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	71.39	3.358	.0882	1.232	.00623	.1244	77.29
SDev	.27	.027	.0039	.006	.00011	.0042	.16
%RSD	.3828	.8019	4.361	.4487	1.7609	3.346	.2021
#1	71.26	3.345	.0926	1.234	.00610	.1268	77.30
#2	71.21	3.389	.0862	1.226	.00629	.1196	77.12
#3	71.71	3.341	.0858	1.236	.00629	.1269	77.43

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9003	.0481	1.755	57.52	.8292	15.62	.2702
SDev	.0031	.0012	.006	.06	.0082	.04	.0006
%RSD	.3441	2.459	.3266	.0996	.9931	.2496	.2394
#1	.8991	.0474	1.751	57.57	.8388	15.61	.2700
#2	.8980	.0494	1.752	57.46	.8244	15.59	.2697
#3	.9038	.0474	1.762	57.53	.8246	15.67	.2709

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0007	.1708	16.77	L-.0062	4.972	8.506	L-.1355
SDev	.0067	.0021	.21	.0167	.014	.009	.0491
%RSD	979.8	1.253	1.271	270.3	.2775	.1066	36.21
#1	.0070	.1686	16.52	L-.0089	4.974	8.497	L-.0870
#2	L-.0039	.1710	16.86	L-.0213	4.958	8.506	L-.1852
#3	L-.0051	.1729	16.91	.0117	4.985	8.515	L-.1344

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1421	6.156	.3036	L-.0073	.1104	72.74	62.84
SDev	.0019	.024	.0034	.0547	.0014	.33	.21
%RSD	1.305	.3857	1.121	752.6	1.312	.4476	.3318
#1	.1401	6.140	.3029	.0117	.1095	72.45	62.73
#2	.1437	6.145	.3006	.0354	.1120	72.69	62.71
#3	.1425	6.183	.3073	L-.0689	.1095	73.09	63.08

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.071	.6858	.3359	2.684	.0390	.0236
SDev	.016	.0027	.0057	.009	.0000	.0003
%RSD	.3922	.3947	1.694	.3432	.0008	1.474
#1	4.054	.6861	.3398	2.684	.0390	.0232
#2	4.074	.6830	.3294	2.675	.0390	.0238
#3	4.085	.6884	.3385	2.694	.0390	.0238

Method: STD_MTD Sample Name: 023348 100 Operator: NR1
Run Time: 05/06/02 13:09:37
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	74.98	2.157	.1335	1.194	.00926	.1068	80.70
SDev	.87	.051	.0100	.017	.00011	.0039	.82
%RSD	1.159	2.344	7.489	1.415	1.1982	3.605	1.022
#1	74.47	2.099	.1414	1.184	.00920	.1034	80.05
#2	75.98	2.192	.1223	1.213	.00939	.1110	81.62
#3	74.48	2.180	.1370	1.184	.00920	.1059	80.42

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7714	.0527	1.426	66.42	.6947	13.47	.2577
SDev	.0062	.0004	.017	.34	.0061	.14	.0029
%RSD	.8067	.7777	1.210	.5130	.8779	1.042	1.137
#1	.7667	.0524	1.418	66.81	.6897	13.38	.2554
#2	.7785	.0524	1.446	66.25	.6931	13.63	.2610
#3	.7691	.0531	1.415	66.19	.7015	13.39	.2567

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0010	.1875	15.35	.0194	4.066	7.864	L-.1197
SDev	.0035	.0053	.10	.0076	.046	.060	.0375
%RSD	344.4	2.834	.6601	38.91	1.130	.7689	31.32
#1	.0025	.1850	15.27	.0180	4.039	7.812	L-.0801
#2	L-.0045	.1936	15.46	.0276	4.119	7.930	L-.1547
#3	L-.0010	.1838	15.32	.0127	4.040	7.849	L-.1242

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2442	4.345	.3407	L-.0089	.1092	63.23	52.75
SDev	.0013	.042	.0097	.0070	.0024	.77	.58
%RSD	.5144	.9617	2.850	79.15	2.209	1.215	1.107
#1	.2432	4.319	.3363	L-.0136	.1078	62.67	52.32
#2	.2456	4.394	.3518	L-.0008	.1078	64.10	53.41
#3	.2438	4.323	.3340	L-.0123	.1120	62.91	52.51

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.894	.9716	.3148	3.156	.0584	.0282
SDev	.043	.0129	.0077	.039	.0007	.0021
%RSD	1.096	1.331	2.447	1.224	1.153	7.499
#1	3.861	.9650	.3059	3.135	.0576	.0280
#2	3.942	.9865	.3193	3.201	.0588	.0262
#3	3.879	.9634	.3190	3.133	.0588	.0304

Method: STD_MTD Sample Name: 023349 100 Operator: NR1
Run Time: 05/06/02 13:13:40
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	66.14	2.030	.1251	1.033	.00798	.0975	70.66
SDev	.11	.028	.0281	.003	.00011	.0047	.19
%RSD	.1684	1.394	22.46	.3090	1.4244	4.835	.2748
#1	66.17	2.010	.1486	1.036	.00811	.1001	70.71
#2	66.02	2.018	.0940	1.029	.00791	.0921	70.45
#3	66.23	2.063	.1328	1.033	.00791	.1004	70.83

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6883	.0489	1.278	59.03	.5936	11.95	.2277
SDev	.0027	.0036	.003	.22	.0061	.02	.0006
%RSD	.3909	7.315	.2413	.3720	1.032	.2038	.2567
#1	.6907	.0452	1.281	59.01	.6006	11.96	.2275
#2	.6854	.0490	1.275	59.27	.5891	11.92	.2273
#3	.6889	.0524	1.277	58.83	.5913	11.96	.2284

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0073	.1584	13.21	L-.0039	3.783	6.904	L-.1308
SDev	.0051	.0093	.45	.0297	.015	.028	.0186
%RSD	69.63	5.888	3.442	764.2	.4016	.4017	14.22
#1	L-.0068	.1534	13.34	.0067	3.784	6.879	L-.1217
#2	L-.0127	.1527	13.59	.0191	3.767	6.934	L-.1521
#3	L-.0025	.1692	12.71	L-.0374	3.798	6.898	L-.1184

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2056	3.915	.2954	L-.0250	.0983	56.60	47.26
SDev	.0004	.005	.0034	.0465	.0010	.21	.12
%RSD	.1745	.1360	1.151	186.0	.9821	.3769	.2632
#1	.2058	3.921	.2962	.0066	.0994	56.78	47.12
#2	.2058	3.910	.2917	L-.0784	.0978	56.65	47.28
#3	.2052	3.915	.2984	L-.0032	.0978	56.37	47.37

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.602	.8270	.2729	2.774	.0514	.0243
SDev	.003	.0020	.0111	.006	.0013	.0011
%RSD	.0930	.2467	4.083	.2110	2.616	4.693
#1	3.600	.8278	.2614	2.777	.0506	.0238
#2	3.599	.8247	.2737	2.767	.0529	.0235
#3	3.605	.8285	.2836	2.778	.0506	.0256

Method: STD_MTD Sample Name: 023350 100 Operator: NR1
Run Time: 05/06/02 13:18:58
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	65.29	2.621	.0920	1.003	.00588	.1116	78.92
SDev	.40	.011	.0282	.008	.00012	.0045	.48
%RSD	.6066	.4083	30.63	.7888	2.0170	4.013	.6137
#1	65.67	2.613	.1137	1.008	.00574	.1064	79.44
#2	65.33	2.617	.0602	1.006	.00596	.1145	78.85
#3	64.88	2.633	.1022	.9937	.00594	.1138	78.48

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7932	.0396	1.519	46.69	.7750	13.50	.2364
SDev	.0066	.0020	.007	2.95	.0037	.08	.0014
%RSD	.8252	5.130	.4474	6.324	.4737	.6174	.6060
#1	.7997	.0410	1.526	45.13	.7716	13.58	.2379
#2	.7933	.0373	1.518	44.84	.7789	13.50	.2363
#3	.7866	.0405	1.513	50.10	.7746	13.42	.2351

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0005	.1566	14.47	L-.0028	4.925	7.646	L-.1087
SDev	.0051	.0061	.52	.0182	.029	.051	.0519
%RSD	994.7	3.917	3.625	656.5	.5910	.6707	47.79
#1	.0043	.1558	14.39	.0055	4.951	7.692	L-.1479
#2	.0000	.1509	14.00	.0098	4.929	7.656	L-.0498
#3	L-.0059	.1631	15.03	L-.0236	4.894	7.591	L-.1285

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1230	4.715	.2583	.0170	.0994	68.37	54.73
SDev	.0036	.026	.0022	.0342	.0044	.30	.23
%RSD	2.911	.5515	.8622	200.8	4.449	.4361	.4131
#1	.1249	4.740	.2605	.0463	.1011	68.58	54.86
#2	.1189	4.718	.2583	.0253	.1028	68.50	54.86
#3	.1252	4.688	.2561	L-.0205	.0944	68.03	54.47

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.829	.6037	.3321	2.468	.0355	.0185
SDev	.020	.0048	.0141	.017	.0020	.0023
%RSD	.5154	.7976	4.252	.6769	5.687	12.24
#1	3.843	.6075	.3455	2.482	.0378	.0184
#2	3.839	.6052	.3333	2.472	.0343	.0163
#3	3.807	.5983	.3174	2.450	.0343	.0208

Method: STD_MTD Sample Name: DC023350 500 Operator: NR1
Run Time: 05/06/02 13:23:01
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al 66.55	Sb 2.753	As 0.121	Ba 1.02	Be	Cd	Ca 81.7
Units	ppm 1.93%	ppm 5.2%	ppm	ppm 1.7%	ppm	ppm	ppm 3.5%
Avge	13.31	.5514	.0242	.2040	.00106	.0232	16.34
SDev	.06	.0102	.0102	.0000	.00001	.0009	.04
%RSD	.4390	1.846	42.28	.0001	.79468	3.887	.2599
#1	13.35	.5621	.0145	.2040	.00107	.0234	16.35
#2	13.25	.5419	.0349	.2040	.00105	.0223	16.30
#3	13.35	.5500	.0232	.2040	.00106	.0241	16.38

Elem	Cr 0.812	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm 2.4%	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1625	.0078	.3082	9.336	.1675	2.820	.0490
SDev	.0029	.0031	.0021	.039	.0199	.014	.0002
%RSD	1.774	39.54	.6931	.4182	11.86	.4864	.3696
#1	.1606	.0050	.3058	9.345	.1675	2.825	.0489
#2	.1658	.0111	.3095	9.293	.1874	2.804	.0492
#3	.1612	.0073	.3095	9.369	.1477	2.830	.0490

Elem	Hg	Ni	K	Se	Ag 4.478	Na 7.885	Tl
Units	ppm	ppm	ppm	ppm	ppm 9.1%	ppm 3.1%	ppm
Avge	.0007	.0299	2.973	L-.0149	.8957	1.577	L-.0210
SDev	.0042	.0099	.318	.0274	.0128	.019	.0239
%RSD	572.9	33.18	10.70	183.2	1.428	1.200	114.1
#1	L-.0041	.0376	2.663	L-.0264	.9102	1.556	L-.0486
#2	.0037	.0333	2.956	L-.0347	.8908	1.583	L-.0080
#3	.0026	.0187	3.299	.0163	.8861	1.592	L-.0063

Elem	V	Zn 4.882	B	Bi	Mo	P 70.75	S
Units	ppm	ppm 3.5%	ppm	ppm	ppm	ppm 3.5%	ppm
Avge	.0229	.9764	.0497	.0306	.0223	14.15	11.31
SDev	.0034	.0053	.0056	.0321	.0022	.08	.09
%RSD	14.62	.5393	11.26	105.1	9.903	.5889	.8044
#1	.0195	.9787	.0490	.0074	.0215	14.10	11.37
#2	.0261	.9704	.0557	.0672	.0249	14.11	11.20
#3	.0231	.9802	.0445	.0171	.0207	14.25	11.35

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7684	.1226	.0658	.5035	.0074	.0039
SDev	.0043	.0009	.0139	.0029	.0020	.0022
%RSD	.5583	.7256	21.10	.5754	27.23	55.47
#1	.7659	.1232	.0511	.5051	.0062	.0021
#2	.7659	.1216	.0787	.5001	.0097	.0063
#3	.7733	.1232	.0676	.5051	.0062	.0033

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 13:29:09
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.941	.0324	.9740	1.975	1.0051	1.004	20.57
SDev	.013	.0121	.0045	.015	.0047	.003	.11
%RSD	.3236	37.50	.4628	.7797	.46680	.3178	.5288
#1	3.937	.0324	.9689	1.963	1.0019	1.000	20.48
#2	3.955	.0445	.9775	1.993	1.0105	1.007	20.69
#3	3.931	.0202	.9756	1.970	1.0030	1.004	20.54

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.012	2.073	1.981	3.996	2.057	19.56	2.027
SDev	.013	.009	.014	.025	.020	.11	.011
%RSD	.6567	.4239	.7219	.6143	.9928	.5468	.5554
#1	2.003	2.065	1.971	3.973	2.036	19.46	2.018
#2	2.027	2.082	1.998	4.021	2.077	19.67	2.040
#3	2.006	2.071	1.976	3.992	2.058	19.53	2.023

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3595	1.025	18.89	.9975	1.001	19.71	2.066
SDev	.0035	.008	.37	.0188	.005	.16	.021
%RSD	.9745	.7916	1.960	1.883	.4597	.8277	1.022
#1	.3617	1.016	19.06	.9763	1.002	19.59	2.042
#2	.3613	1.027	19.16	1.004	1.005	19.90	2.073
#3	.3554	1.032	18.47	1.012	.9959	19.65	2.083

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	3.983	1.995	1.036	.0042	10.19	.0431
SDev	.009	.021	.019	.011	.0019	.02	.0226
%RSD	.8799	.5277	.9618	1.066	46.12	.2341	52.37
#1	.9998	3.969	1.974	1.032	.0053	10.17	.0187
#2	1.017	4.007	2.012	1.028	.0020	10.22	.0475
#3	1.004	3.973	1.999	1.049	.0053	10.18	.0632

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0213	.9864	-.0008	.0011	1.972	-.0063
SDev	.0024	.0077	.0034	.0010	.012	.0005
%RSD	11.15	.7823	420.4	86.60	.6260	8.248
#1	-.0194	.9805	.0001	.0000	1.961	-.0066
#2	-.0206	.9952	.0020	.0017	1.985	-.0057
#3	-.0240	.9836	-.0046	.0017	1.970	-.0066

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 13:33:15
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0236	.9693	-.0043	.0000	-.00019	-.0001	-.0154
SDev	.0210	.0269	.0108	.0012	.00011	.0011	.0077
%RSD	89.22	2.778	254.8	2613000.	59.136	1426.	49.73
#1	.0350	.9383	.0009	.0014	-.00006	-.0007	-.0077
#2	.0364	.9827	.0031	-.0007	-.00025	-.0007	-.0154
#3	-.0007	.9868	-.0167	-.0007	-.00026	.0012	-.0231

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0007	-.0009	20.16	.0056	2.004	-.0001
SDev	.0026	.0029	.0027	.18	.0053	.016	.0004
%RSD	191.4	391.8	305.4	.8924	93.73	.7927	284.9
#1	.0012	.0037	.0010	19.96	.0113	1.987	.0003
#2	-.0041	-.0021	-.0040	20.32	.0047	2.018	-.0003
#3	-.0012	.0006	.0003	20.21	.0009	2.007	-.0004

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0050	-.0018	-.2588	-.0292	.0161	-.0178	-.1077
SDev	.0016	.0055	.7466	.0171	.0034	.0182	.0183
%RSD	32.01	302.5	288.5	58.66	21.31	102.3	16.96
#1	-.0052	.0022	-.0963	-.0384	.0200	.0004	-.0874
#2	-.0033	-.0081	-1.073	-.0398	.0139	-.0178	-.1127
#3	-.0064	.0004	.3932	-.0094	.0143	-.0360	-.1229

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	-.0039	-.0037	.0003	.9923	.0118	1.993
SDev	.0019	.0014	.0051	.0274	.0131	.0066	.051
%RSD	78.04	36.30	138.4	8950.	1.324	55.57	2.543
#1	-.0020	-.0042	.0022	-.0104	.9780	.0167	1.950
#2	-.0044	-.0024	-.0067	-.0201	1.004	.0143	2.049
#3	-.0008	-.0052	-.0067	.0314	.9948	.0044	1.981

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.935	.0003	1.977	1.962	.0012	1.950
SDev	.024	.0004	.025	.021	.0007	.021
%RSD	1.237	173.3	1.243	1.072	57.74	1.097
#1	1.907	.0005	1.959	1.939	.0016	1.925
#2	1.950	-.0003	2.005	1.979	.0016	1.966
#3	1.948	.0005	1.968	1.970	.0004	1.957

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 13:39:28
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0200	.0189	.0058	.0007	-.00006	.0004	-.0000
SDev	.0216	.0062	.0178	.0012	.00000	.0015	.0067
%RSD	108.3	32.73	305.7	173.2	2.3639	333.2	39240.
#1	.0290	.0202	Q.0235	Q.0014	-.00006	-.0009	-.0077
#2	-.0047	.0121	.0059	-.0007	-.00006	.0002	.0038
#3	Q.0357	.0243	-.0120	Q.0014	-.00007	Q.0021	.0038

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0001	.0009	-.0006	.0030	.0002	.0005
SDev	.0014	.0025	.0008	.0000	.0126	.0000	.0002
%RSD	1486000.	2209.	86.60	.0120	416.3	.0000	38.49
#1	-.0016	-.0010	.0000	-.0006	.0008	.0002	.0007
#2	.0008	.0027	.0013	-.0006	-.0083	.0002	.0003
#3	.0008	-.0020	.0013	-.0006	.0166	.0002	.0007

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0029	-.0071	.1141	-.0170	-.0000	.0182	.0096
SDev	.0016	.0120	.5792	.0060	.0022	.0139	.0128
%RSD	56.71	168.5	507.7	35.33	620900.	76.39	133.1
#1	.0010	Q-.0160	-.2445	-.0212	-.0008	.0333	.0113
#2	.0034	.0065	-.1956	-.0198	-.0017	.0151	.0214
#3	.0042	Q-.0118	.7822	-.0101	.0025	.0061	-.0039

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0006	-.0007	.0278	.0025	.0171	.0058
SDev	.0006	.0016	.0013	.0119	.0032	.0056	.0218
%RSD	150.0	251.7	173.1	42.73	126.2	33.08	375.6
#1	-.0010	-.0002	-.0022	.0292	-.0011	.0146	.0233
#2	-.0004	-.0003	-.0000	.0153	.0039	.0236	.0127
#3	.0002	.0025	.0000	.0390	.0047	.0131	-.0186

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0229	.0003	.0003	.0000	Q.0019	.0015
SDev	.0023	.0004	.0023	.0000	.0007	.0000
%RSD	10.00	173.2	723.0	.0000	34.64	.0000
#1	-.0206	-.0003	-.0012	.0000	Q.0016	.0015
#2	-.0251	.0005	-.0008	.0000	Q.0016	.0015
#3	-.0229	.0005	.0030	.0000	Q.0027	.0015

Method: STD_MTD Sample Name: ICSA Operator: NR1
Run Time: 05/06/02 13:43:32
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	289.8	.0404	.0124	.0000	.00031	-.0013	464.0
SDev	3.9	.0176	.0386	.0000	.00000	.0006	4.7
%RSD	1.330	43.59	310.1	1382.	1.2448	46.18	1.020
#1	285.9	.0607	-.0217	.0000	.00031	-.0007	458.9
#2	293.6	.0283	.0047	-.0000	.00031	-.0011	468.3
#3	290.0	.0324	.0543	-.0000	.00031	-.0019	464.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0040	-.0051	-.0037	197.8	-.0171	471.1	-.0069
SDev	.0013	.0004	.0010	.3	.0005	6.3	.0002
%RSD	33.60	7.965	27.27	.1655	2.986	1.339	3.469
#1	-.0026	-.0049	-.0027	198.0	-.0170	464.7	-.0071
#2	-.0041	-.0056	-.0037	198.0	-.0176	477.3	-.0066
#3	-.0053	-.0049	-.0047	197.4	-.0166	471.3	-.0069

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0102	Q-.0020	.6739	-.0811	-.0098	-.1750	-.0090
SDev	.0033	.0150	1.061	.0229	.0041	.0339	.0171
%RSD	32.69	739.1	157.5	28.23	42.14	19.35	189.5
#1	-.0135	.0120	.2895	-.0847	-.0052	-.1466	-.0288
#2	-.0068	Q-.0002	1.874	-.1019	-.0133	Q-.2124	.0012
#3	-.0103	Q-.0179	Q-.1417	-.0566	-.0109	-.1658	.0005

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0077	.0034	-.0163	-.0432	.0141	.0332	.0350
SDev	.0015	.0010	.0034	.0184	.0030	.0088	.1017
%RSD	19.88	28.01	20.84	42.50	21.14	26.63	290.9
#1	.0093	.0023	-.0134	-.0380	.0138	.0379	-.0793
#2	.0063	.0038	-.0156	-.0280	.0173	.0230	.0686
#3	.0075	.0042	Q-.0200	-.0636	.0113	.0387	.1156

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0194	.0116	-.0012	.0067	-.0010	.0065
SDev	.0065	.0004	.0184	.0000	.0000	.0003
%RSD	33.41	3.929	1601.	.0000	.9345	5.329
#1	.0223	.0113	-.0057	.0067	-.0010	.0063
#2	.0240	.0114	-.0169	.0067	-.0010	.0063
#3	.0120	.0121	.0191	.0067	-.0010	.0069

Method: STD_MTD Sample Name: ICSAB Operator: NR1
Run Time: 05/06/02 13:47:38
Comment: 0503 SSY2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	291.2	.9666	.9250	.4757	.46527	.9638	463.5
SDev	2.7	.0316	.0360	.0043	.00424	.0028	4.1
%RSD	.9347	3.268	3.887	.9120	.91073	.2927	.8771
#1	290.3	.9504	.9609	.4744	.46422	.9606	460.4
#2	294.3	1.003	.8890	.4806	.46993	.9657	468.1
#3	289.1	.9463	.9251	.4723	.46165	.9651	461.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4547	.4578	.4788	200.1	.8910	474.6	.4528
SDev	.0046	.0080	.0059	1.0	.0136	4.4	.0041
%RSD	1.002	1.747	1.238	.5012	1.526	.9354	.9059
#1	.4501	.4521	.4770	200.9	.8859	473.3	.4506
#2	.4592	.4669	.4854	199.0	.9064	479.6	.4575
#3	.4548	.4542	.4739	200.5	.8806	471.0	.4502

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.9149	.3923	.8617	.9657	-.1791	.0002
SDev	.0084	.0183	.8463	.0500	.0078	.0137	.0493
%RSD	860.9	2.004	215.7	5.802	.8076	7.638	31020.
#1	-.0081	.9132	.7510	.8154	.9609	-.1943	-.0513
#2	.0083	.9339	1.000	.8550	.9747	-.1676	.0470
#3	-.0031	.8974	-.5742	.9147	.9614	-.1756	.0048

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4753	.9580	.0133	-.0397	.0154	.0322	.1250
SDev	.0045	.0081	.0068	.0061	.0034	.0349	.0490
%RSD	.9511	.8409	50.94	15.30	22.03	108.3	39.21
#1	.4727	.9513	.0148	-.0464	.0115	.0138	.1338
#2	.4805	.9669	.0193	-.0345	.0174	.0724	.1691
#3	.4727	.9557	.0059	-.0383	.0173	.0104	.0722

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6878	.0159	.0003	.0072	-.0006	.0018
SDev	.0157	.0000	.0126	.0010	.0007	.0011
%RSD	2.282	.2551	5049.	13.32	108.7	60.09
#1	.6830	.0159	.0095	.0067	-.0010	.0030
#2	.7053	.0160	.0054	.0084	.0002	.0015
#3	.6750	.0159	-.0141	.0067	-.0010	.0009

Method: STD_MTD Sample Name: BL0502 100 Operator: NR1
Run Time: 05/06/02 15:59:53
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0151	.0202	-.0089	.0014	.00007	-.0023	.0487
SDev	.0070	.0185	.0071	.0000	.00012	.0010	.0022
%RSD	46.65	91.65	79.91	.0005	168.09	43.91	4.544
#1	.0229	.0000	-.0119	.0014	.00014	-.0028	.0500
#2	.0094	.0364	-.0008	.0014	-.00006	-.0029	.0500
#3	.0128	.0243	-.0141	.0014	.00013	-.0011	.0461

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0010	-.0024	.0302	.0039	.0066	.0008
SDev	.0009	.0024	.0006	.0026	.0210	.0000	.0001
%RSD	459.6	232.6	24.74	8.479	535.5	.0000	13.35
#1	.0008	-.0027	-.0017	.0325	.0180	.0066	.0007
#2	-.0004	.0017	-.0027	.0307	-.0202	.0066	.0008
#3	-.0010	-.0020	-.0027	.0275	.0140	.0066	.0008

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0017	-.0026	-.9126	-.0225	.0011	-.0182	-.0028
SDev	.0014	.0000	.3255	.0124	.0016	.0105	.0247
%RSD	83.28	.0000	35.67	55.07	148.6	57.70	877.4
#1	-.0029	-.0026	-1.271	-.0225	.0021	-.0121	.0147
#2	-.0021	-.0026	-.6355	-.0101	.0021	-.0121	-.0310
#3	-.0001	-.0026	-.8311	-.0350	-.0008	-.0303	.0079

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	.0028	-.0007	.0097	.0020	.0314	-.0040
SDev	.0009	.0005	.0013	.0037	.0029	.0013	.0296
%RSD	76.45	19.10	173.3	37.79	150.5	3.995	735.7
#1	-.0022	.0034	-.0022	.0139	.0022	.0315	-.0156
#2	-.0004	.0025	-.0000	.0084	-.0011	.0325	-.0261
#3	-.0010	.0025	.0000	.0070	.0047	.0300	.0296

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0366	.0000	-.0042	.0000	.0023	.0027
SDev	.0050	.0004	.0062	.0000	.0014	.0014
%RSD	13.62	91340.	145.9	.0000	57.73	50.92
#1	-.0400	-.0003	-.0015	.0000	.0016	.0039
#2	-.0309	.0005	-.0113	.0000	.0039	.0012
#3	-.0389	-.0003	.0001	.0000	.0016	.0030

Method: STD_MTD Sample Name: BL0502S 100 Operator: NR1
Run Time: 05/06/02 16:03:57
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.015	.5244	.4787	1.008	.50878	.5079	10.36
SDev	.007	.0084	.0114	.002	.00154	.0002	.03
%RSD	.3518	1.605	2.375	.2394	.30190	.0341	.2734
#1	2.023	.5217	.4691	1.006	.50781	.5080	10.33
#2	2.011	.5177	.4758	1.006	.50799	.5079	10.37
#3	2.012	.5338	.4913	1.011	.51055	.5077	10.38

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.017	1.048	1.007	12.21	1.028	11.00	1.026
SDev	.004	.007	.003	.04	.030	.04	.003
%RSD	.3739	.6308	.3346	.3095	2.890	.3449	.3290
#1	1.013	1.040	1.003	12.18	.9992	10.96	1.023
#2	1.017	1.053	1.008	12.22	1.026	11.00	1.026
#3	1.020	1.050	1.009	12.25	1.059	11.04	1.030

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0706	.5129	9.938	.4887	.5115	9.965	.9870
SDev	.0023	.0032	.269	.0065	.0039	.052	.0054
%RSD	3.248	.6287	2.710	1.332	.7713	.5264	.5518
#1	.0697	.5153	9.921	.4814	.5070	9.935	.9910
#2	.0732	.5141	9.677	.4910	.5146	9.935	.9892
#3	.0689	.5092	10.21	.4938	.5127	10.03	.9808

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5083	1.997	.9984	.5066	.5059	5.109	1.014
SDev	.0038	.007	.0097	.0125	.0047	.028	.048
%RSD	.7471	.3391	.9720	2.473	.9203	.5520	4.771
#1	.5041	1.991	.9917	.5191	.5067	5.094	.9587
#2	.5096	1.996	.9939	.5066	.5009	5.091	1.049
#3	.5114	2.004	1.009	.4940	.5101	5.141	1.035

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8983	.5039	.9974	.9952	.9991	.9917
SDev	.0035	.0012	.0098	.0034	.0018	.0025
%RSD	.3888	.2336	.9804	.3361	.1781	.2484
#1	L.8945	.5029	.9906	.9919	.9975	.9890
#2	.8991	.5036	1.009	.9952	.9987	.9938
#3	.9014	.5052	.9931	.9986	1.001	.9923

Method: STD_MTD Sample Name: BL0502X 100 Operator: NR1
Run Time: 05/06/02 16:08:00
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.984	.5204	.4775	.9974	.50202	.4993	10.22
SDev	.018	.0163	.0124	.0126	.00573	.0073	.10
%RSD	.9313	3.141	2.608	1.263	1.1419	1.454	1.002
#1	1.970	.5298	.4673	.9856	.49657	.4952	10.12
#2	1.976	.5015	.4739	.9960	.50150	.4951	10.20
#3	2.005	.5298	.4914	1.011	.50800	.5077	10.32

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.002	1.034	.9952	12.05	1.017	10.85	1.011
SDev	.009	.012	.0134	.13	.014	.12	.010
%RSD	.9381	1.166	1.342	1.040	1.356	1.063	1.023
#1	.9935	1.023	.9835	11.93	1.003	10.74	1.001
#2	1.001	1.030	.9923	12.04	1.016	10.84	1.011
#3	1.012	1.047	1.010	12.18	1.031	10.97	1.022

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0698	.5113	9.660	.4745	.5050	9.829	.9741
SDev	.0084	.0065	.395	.0194	.0055	.096	.0138
%RSD	12.07	1.263	4.089	4.094	1.087	.9795	1.420
#1	.0611	.5043	10.02	.4538	.4999	9.726	.9589
#2	.0779	.5171	9.236	.4773	.5042	9.844	.9859
#3	.0704	.5123	9.726	.4924	.5108	9.917	.9774

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5002	1.962	.9924	.4806	.5006	5.001	.9936
SDev	.0061	.020	.0130	.0187	.0096	.056	.0319
%RSD	1.218	1.040	1.313	3.891	1.922	1.111	3.209
#1	.4943	1.940	.9828	.4884	.4908	4.940	.9611
#2	.4998	1.964	.9873	.4592	.5009	5.049	.9949
#3	.5065	1.981	1.007	.4940	.5101	5.013	1.025

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9197	.4985	.9918	.9841	.9866	.9811
SDev	.0084	.0062	.0179	.0126	.0112	.0111
%RSD	.9155	1.249	1.804	1.276	1.134	1.135
#1	.9099	.4928	.9716	.9718	.9765	.9701
#2	.9248	.4975	1.006	.9835	.9847	.9809
#3	.9242	.5052	.9979	.9969	.9987	.9923

Method: STD_MTD Sample Name: 022763 100 Operator: NR1
Run Time: 05/06/02 16:13:54
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	123.3	.0499	.0778	.9861	.00652	L-.0003	288.2
SDev	1.1	.0314	.0178	.0064	.00011	.0015	1.5
%RSD	.8687	62.98	22.83	.6469	1.7205	536.6	.5080
#1	122.3	.0243	.0779	.9806	.00639	.0011	286.8
#2	123.2	.0404	.0955	.9847	.00658	L-.0000	288.2
#3	124.5	.0849	.0600	.9931	.00658	L-.0019	289.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1598	.0901	.4110	252.1	.4385	114.3	5.087
SDev	.0012	.0031	.0015	1.4	.0190	1.1	.038
%RSD	.7436	3.489	.3567	.5746	4.320	.9221	.7455
#1	.1595	.0867	.4094	250.4	.4516	113.3	5.051
#2	.1612	.0930	.4117	253.0	.4472	114.2	5.082
#3	.1589	.0906	.4120	252.8	.4168	115.4	5.127

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0084	.2194	11.61	L-.1197	L-.0052	.6995	.0156
SDev	.0097	.0114	.13	.0145	.0016	.0195	.0545
%RSD	116.0	5.199	1.098	12.14	31.39	2.789	350.5
#1	.0021	.2277	11.48	L-.1145	L-.0062	.7214	L-.0218
#2	L-.0171	.2240	11.63	L-.1361	L-.0033	.6932	L-.0097
#3	L-.0101	.2064	11.73	L-.1084	L-.0062	.6839	.0781

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2617	.8553	.0429	L-.0274	.0109	5.359	1.177
SDev	.0010	.0057	.0072	.0213	.0019	.067	.023
%RSD	.3722	.6624	16.68	77.82	17.89	1.243	1.967
#1	.2608	.8496	.0377	L-.0147	.0097	5.303	1.167
#2	.2615	.8553	.0399	L-.0520	.0098	5.341	1.160
#3	.2628	.8609	.0511	L-.0155	.0131	5.433	1.203

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.60	.4404	.0049	1.328	.1338	.0591
SDev	.08	.0027	.0100	.011	.0023	.0045
%RSD	.6972	.6176	205.1	.8384	1.744	7.646
#1	11.52	.4378	L-.0064	1.319	.1314	.0635
#2	11.58	.4402	.0086	1.326	.1338	.0593
#3	11.68	.4433	.0125	1.341	.1361	.0545

Method: STD_MTD Sample Name: 022763D 100 Operator: NR1
Run Time: 05/06/02 16:17:55
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	123.2	.0175	.0775	.9792	.00639	.0040	283.7
SDev	.5	.0237	.0255	.0048	.00001	.0054	1.2
%RSD	.4198	135.2	32.96	.4925	.08636	135.1	.4308
#1	122.9	.0000	.1059	.9764	.00638	.0015	283.2
#2	122.9	.0081	.0701	.9764	.00639	.0003	282.7
#3	123.8	.0445	.0565	.9848	.00638	.0102	285.0

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1608	.0893	.3672	253.6	.4427	113.7	4.998
SDev	.0018	.0007	.0024	3.3	.0258	.5	.020
%RSD	1.105	.7740	.6434	1.291	5.826	.4285	.3955
#1	.1606	.0888	.3670	249.9	.4478	113.3	4.989
#2	.1592	.0901	.3650	254.9	.4148	113.5	4.985
#3	.1627	.0890	.3697	256.0	.4656	114.2	5.021

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.2169	11.52	L-.0904	L-.0084	.6719	.0124
SDev	.0037	.0150	.25	.0199	.0038	.0131	.0139
%RSD	142.9	6.905	2.138	21.99	45.67	1.948	112.0
#1	.0013	.2119	11.72	L-.0786	L-.0128	.6579	L-.0016
#2	.0068	.2338	11.24	L-.1133	L-.0062	.6837	.0262
#3	L-.0003	.2052	11.59	L-.0792	L-.0062	.6742	.0127

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2622	.8357	.0466	L-.0134	.0123	5.438	1.242
SDev	.0022	.0015	.0022	.0125	.0014	.008	.068
%RSD	.8343	.1799	4.775	93.16	11.84	.1389	5.441
#1	.2626	.8364	.0444	L-.0118	.0131	5.431	1.310
#2	.2598	.8339	.0489	L-.0018	.0106	5.446	1.242
#3	.2641	.8367	.0466	L-.0267	.0131	5.435	1.175

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.35	.4363	.0070	1.386	.1326	.0542
SDev	.03	.0021	.0148	.006	.0000	.0005
%RSD	.3206	.4700	210.8	.4017	.0018	.9622
#1	10.34	.4355	.0146	1.382	.1326	.0539
#2	10.33	.4347	L-.0101	1.383	.1326	.0539
#3	10.39	.4386	.0165	1.392	.1326	.0548

Method: STD_MTD Sample Name: 022763S 100 Operator: NR1
Run Time: 05/06/02 16:21:59
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	137.7	.2993	.5779	1.970	.49855	.4920	288.9
SDev	1.3	.0225	.0077	.018	.00436	.0005	2.5
%RSD	.9203	7.524	1.336	.9059	.87518	.0940	.8488
#1	136.6	.2952	.5709	1.953	.49455	.4924	286.6
#2	137.6	.3235	.5766	1.968	.49789	.4915	288.7
#3	139.1	.2791	.5862	1.989	.50321	.4921	291.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.117	1.056	1.354	260.3	1.385	125.1	5.951
SDev	.013	.007	.014	1.7	.017	1.2	.054
%RSD	1.178	.7067	1.003	.6623	1.250	.9426	.9101
#1	1.103	1.048	1.343	258.9	1.365	124.1	5.902
#2	1.116	1.058	1.350	259.8	1.393	125.0	5.942
#3	1.130	1.063	1.369	262.2	1.396	126.4	6.009

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0655	.7026	22.23	.3556	.4897	10.69	.9057
SDev	.0054	.0080	.25	.0413	.0014	.10	.0049
%RSD	8.268	1.132	1.142	11.61	.2787	.9521	.5454
#1	.0641	.7000	22.32	.3156	.4889	10.63	.9000
#2	.0609	.6963	22.42	.3981	.4889	10.62	.9084
#3	.0715	.7115	21.94	.3531	.4912	10.80	.9086

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7535	2.791	.9449	.4362	.4657	10.03	2.235
SDev	.0083	.025	.0116	.0063	.0047	.06	.023
%RSD	1.099	.8910	1.224	1.450	1.004	.6105	1.012
#1	.7451	2.769	.9382	.4414	.4615	10.00	2.215
#2	.7536	2.786	.9382	.4292	.4649	9.992	2.229
#3	.7617	2.818	.9582	.4379	.4708	10.10	2.259

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.18	.9288	.8973	1.922	1.092	.6983
SDev	.08	.0083	.0149	.019	.009	.0110
%RSD	.7930	.8894	1.661	.9856	.8535	1.574
#1	10.11	.9216	.8863	1.904	1.083	.6859
#2	10.18	.9270	.9142	1.919	1.092	.7019
#3	10.27	.9378	.8913	1.942	1.102	.7070

Method: STD_MTD Sample Name: 022763X 100 Operator: NR1
Run Time: 05/06/02 16:26:02
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	134.5	.3141	.5599	1.955	.49467	.4925	285.8
SDev	1.4	.0298	.0219	.022	.00489	.0003	2.1
%RSD	1.040	9.491	3.909	1.122	.98902	.0685	.7258
#1	135.1	.3033	.5677	1.965	.49730	.4924	286.4
#2	135.5	.3478	.5769	1.971	.49769	.4923	287.4
#3	132.9	.2912	.5352	1.930	.48903	.4929	283.4

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.112	1.054	1.344	260.3	1.391	123.4	6.111
SDev	.008	.008	.015	1.1	.012	1.3	.055
%RSD	.7256	.7160	1.129	.4407	.8473	1.029	.9074
#1	1.115	1.057	1.352	260.9	1.405	124.0	6.135
#2	1.118	1.059	1.354	261.0	1.384	124.3	6.150
#3	1.103	1.045	1.327	259.0	1.385	121.9	6.048

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0641	.6951	22.24	.3752	.4873	10.55	.9338
SDev	.0068	.0154	.08	.0079	.0031	.13	.0192
%RSD	10.57	2.213	.3388	2.117	.6317	1.213	2.061
#1	.0719	.7121	22.32	.3676	.4874	10.62	.9496
#2	.0601	.6908	22.18	.3745	.4903	10.63	.9395
#3	.0602	.6823	22.22	.3835	.4841	10.41	.9124

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7502	2.780	.9300	.4397	.4713	9.964	2.178
SDev	.0066	.024	.0179	.0244	.0029	.096	.086
%RSD	.8730	.8609	1.920	5.562	.6266	.9673	3.967
#1	.7537	2.794	.9315	.4162	.4741	9.949	2.238
#2	.7543	2.794	.9471	.4650	.4716	10.07	2.217
#3	.7427	2.752	.9115	.4379	.4682	9.875	2.079

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.924	.9146	.9085	1.892	1.089	.6866
SDev	.091	.0107	.0170	.018	.010	.0079
%RSD	.9122	1.172	1.872	.9482	.8908	1.153
#1	9.948	.9200	.9044	1.901	1.092	.6880
#2	10.000	.9216	.9271	1.904	1.097	.6938
#3	9.824	.9023	.8939	1.872	1.078	.6781

Method: STD_MTD Sample Name: 022764 100 Operator: NR1
Run Time: 05/06/02 16:31:56
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	84.65	.0580	.0892	.8947	.00464	.0045	125.1
SDev	.57	.0124	.0212	.0067	.00011	.0060	1.3
%RSD	.6711	21.31	23.72	.7508	2.2601	132.5	1.013
#1	84.41	.0445	.1017	.8975	.00458	.0000	123.7
#2	84.23	.0607	.0648	.8870	.00457	.0022	125.3
#3	85.29	.0688	.1012	.8996	.00476	.0113	126.2

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1501	.0611	1.769	191.5	4.382	58.84	3.802
SDev	.0049	.0053	.014	2.3	.058	.44	.030
%RSD	3.232	8.668	.7799	1.187	1.320	.7414	.7848
#1	.1445	.0564	1.769	189.2	4.315	58.75	3.775
#2	.1526	.0602	1.755	191.7	4.412	58.45	3.796
#3	.1531	.0668	1.783	193.7	4.419	59.31	3.834

Elem	Hg	Ni	K	Se	Ag	Na 0.6197	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0039	.1954	10.99	L-.0931	L-.0118	.5140	L-.0164
SDev	.0016	.0021	1.08	.0274	.0205	.1831	.0332
%RSD	40.01	1.080	9.810	29.39	172.8	35.61	202.0
#1	L-.0056	.1930	10.05	L-.0960	L-.0354	~~.3026~~ .4050	L-.0422
#2	L-.0037	.1966	10.74	L-.1189	L-.0022	.6201	L-.0282
#3	L-.0025	.1966	12.16	L-.0644	.0020	.6193	.0210

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1981	3.426	.0541	L-.0601	.0168	7.913	6.736
SDev	.0047	.034	.0068	.0699	.0039	.121	.115
%RSD	2.366	.9973	12.58	116.2	23.06	1.528	1.701
#1	.1931	3.396	.0600	L-.1392	.0190	7.804	6.641
#2	.1987	3.420	.0467	L-.0347	.0123	7.891	6.703
#3	.2025	3.463	.0556	L-.0066	.0190	8.043	6.863

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.00	.2326	.3417	1.156	.0740	.0330
SDev	.09	.0018	.0266	.009	.0062	.0062
%RSD	.6592	.7641	7.777	.7658	8.330	18.78
#1	13.94	.2336	.3146	1.152	.0670	.0400
#2	13.95	.2305	.3429	1.149	.0764	.0307
#3	14.11	.2336	.3677	1.166	.0787	.0283

Method: STD_MTD Sample Name: 022765 100 Operator: NR1
Run Time: 05/06/02 16:35:57
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	101.3	.0593	.1347	.9310	.00617	.0103	322.3
SDev	1.1	.0102	.0401	.0107	.00011	.0025	3.3
%RSD	1.074	17.16	29.79	1.151	1.7990	23.95	1.031
#1	100.3	.0485	.0884	.9220	.00604	.0131	319.3
#2	102.5	.0688	.1591	.9428	.00623	.0088	325.9
#3	101.2	.0607	.1566	.9282	.00624	.0089	321.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1678	.0860	3.579	241.4	4.477	118.8	4.443
SDev	.0022	.0004	.038	.4	.040	1.3	.048
%RSD	1.314	.4961	1.074	.1739	.8927	1.110	1.069
#1	.1659	.0858	3.539	241.8	4.442	117.5	4.397
#2	.1702	.0858	3.616	241.5	4.520	120.1	4.492
#3	.1672	.0865	3.583	240.9	4.468	118.9	4.441

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0034	.2687	13.28	L-.0957	L-.0039	1.192	L-.0001
SDev	.0032	.0189	.20	.0301	.0038	.043	.0281
%RSD	95.08	7.045	1.478	31.45	98.43	3.588	24290.
#1	L-.0026	.2533	13.46	L-.1299	L-.0061	1.144	.0277
#2	L-.0006	.2899	13.07	L-.0732	L-.0061	1.225	.0003
#3	L-.0069	.2630	13.31	L-.0841	.0005	1.207	L-.0284

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2430	4.358	.0622	.0279	.0187	6.674	3.881
SDev	.0013	.047	.0097	.0319	.0013	.037	.073
%RSD	.5165	1.085	15.60	114.1	6.917	.5569	1.877
#1	.2416	4.309	.0555	.0040	.0173	6.654	3.850
#2	.2440	4.403	.0734	.0156	.0199	6.717	3.964
#3	.2434	4.361	.0578	.0641	.0190	6.652	3.828

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.50	.5162	.6178	1.577	.1055	.0363
SDev	.12	.0050	.0122	.018	.0014	.0010
%RSD	.8767	.9773	1.974	1.113	1.281	2.664
#1	13.38	.5113	.6073	1.560	.1047	.0352
#2	13.62	.5214	.6311	1.595	.1070	.0367
#3	13.51	.5160	.6148	1.577	.1047	.0370

Method: STD_MTD Sample Name: 022766 100 Operator: NR1
Run Time: 05/06/02 16:39:58
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	66.74	.0566	.0767	1.353	.00426	.0148	309.9
SDev	.29	.0253	.0150	.007	.00000	.0018	.8
%RSD	.4296	44.61	19.61	.5422	.08268	12.02	.2500
#1	66.48	.0647	.0898	1.346	.00426	.0152	309.6
#2	66.69	.0768	.0799	1.352	.00426	.0129	309.4
#3	67.05	.0283	.0603	1.361	.00425	.0164	310.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1535	.0605	3.159	173.5	7.965	128.9	3.147
SDev	.0028	.0024	.015	.3	.020	.6	.012
%RSD	1.797	3.938	.4904	.1754	.2569	.4840	.3764
#1	.1525	.0628	3.144	173.8	7.973	128.4	3.140
#2	.1566	.0608	3.158	173.2	7.942	128.7	3.141
#3	.1513	.0580	3.175	173.7	7.981	129.6	3.161

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0109	.1745	12.18	L-.0573	L-.0026	1.126	L-.0231
SDev	.0039	.0093	.63	.0381	.0017	.019	.0464
%RSD	35.96	5.346	5.168	66.42	65.11	1.688	200.9
#1	L-.0071	.1802	12.00	L-.0215	L-.0022	1.110	.0272
#2	L-.0150	.1796	12.88	L-.0531	L-.0012	1.147	L-.0322
#3	L-.0106	.1637	11.66	L-.0973	L-.0045	1.119	L-.0643

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1661	6.091	.0860	L-.0122	.0163	13.33	6.006
SDev	.0014	.023	.0090	.0543	.0005	.03	.121
%RSD	.8404	.3773	10.46	446.0	2.965	.2467	2.017
#1	.1645	6.077	.0957	.0360	.0166	13.34	6.019
#2	.1669	6.079	.0845	L-.0015	.0158	13.36	5.880
#3	.1669	6.118	.0779	L-.0710	.0166	13.30	6.121

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.43	.4322	.7083	1.128	.0717	.0269
SDev	.04	.0019	.0080	.005	.0007	.0012
%RSD	.3412	.4501	1.125	.4279	.9361	4.524
#1	10.41	.4304	.6997	1.126	.0721	.0271
#2	10.40	.4319	.7154	1.126	.0721	.0280
#3	10.47	.4342	.7098	1.134	.0709	.0256

Method: STD_MTD Sample Name: 022767 100 Operator: NR1
Run Time: 05/06/02 16:44:02
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	102.3	.0391	.1125	1.669	.00632	.0220	403.8
SDev	1.5	.0191	.0196	.028	.00011	.0007	6.0
%RSD	1.512	48.89	17.45	1.655	1.7388	3.361	1.497
#1	100.6	.0324	.0942	1.637	.00627	.0212	396.8
#2	103.5	.0607	.1101	1.690	.00625	.0226	407.2
#3	102.9	.0243	.1333	1.679	.00645	.0223	407.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1810	.0899	4.863	243.7	6.997	125.3	4.706
SDev	.0039	.0039	.080	3.1	.113	2.0	.074
%RSD	2.128	4.284	1.643	1.261	1.617	1.582	1.574
#1	.1765	.0874	4.773	247.0	6.874	123.1	4.621
#2	.1828	.0880	4.926	243.2	7.020	126.8	4.756
#3	.1835	.0943	4.891	240.9	7.097	126.1	4.741

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0009	.2756	17.60	L-.1051	L-.0035	1.230	L-.0050
SDev	.0049	.0182	.28	.0502	.0023	.005	.0543
%RSD	563.1	6.622	1.599	47.77	67.70	.3838	1076.
#1	.0037	.2959	17.28	L-.1577	L-.0023	1.233	L-.0584
#2	L-.0061	.2606	17.71	L-.0998	L-.0061	1.233	L-.0070
#3	L-.0002	.2704	17.80	L-.0577	L-.0019	1.225	.0502

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2358	8.986	.0667	.0240	.0177	22.28	5.090
SDev	.0043	.130	.0022	.0240	.0019	.44	.116
%RSD	1.815	1.442	3.332	100.0	10.96	1.973	2.270
#1	.2309	8.837	.0644	L-.0013	.0166	21.77	4.959
#2	.2386	9.075	.0667	.0465	.0166	22.56	5.136
#3	.2379	9.046	.0689	.0268	.0199	22.50	5.176

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.22	.7671	.8785	1.476	.1025	.0318
SDev	.15	.0123	.0283	.023	.0012	.0013
%RSD	1.431	1.602	3.220	1.547	1.146	3.940
#1	10.06	.7532	.8621	1.449	.1014	.0322
#2	10.33	.7764	.8623	1.491	.1025	.0304
#3	10.28	.7718	.9112	1.486	.1037	.0328

Method: STD_MTD Sample Name: 022768 100 Operator: NR1
Run Time: 05/06/02 16:48:03
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	72.14	.0377	.0702	.5939	.00423	.0069	78.92
SDev	.44	.0168	.0062	.0060	.00001	.0017	.29
%RSD	.6104	44.61	8.826	1.016	.14387	24.06	.3618
#1	72.65	.0243	.0639	.6009	.00423	.0071	79.24
#2	71.83	.0566	.0703	.5904	.00423	.0086	78.84
#3	71.94	.0324	.0763	.5904	.00424	.0052	78.68

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1189	.0553	1.573	180.9	3.066	39.94	3.668
SDev	.0014	.0027	.011	2.7	.022	.21	.021
%RSD	1.206	4.852	.6928	1.494	.7160	.5372	.5623
#1	.1177	.0549	1.585	178.2	3.051	40.19	3.692
#2	.1205	.0581	1.567	180.9	3.091	39.83	3.655
#3	.1186	.0528	1.566	183.6	3.055	39.81	3.658

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.1554	11.56	L-.0611	.0003	.4991	.0002
SDev	.0041	.0041	.48	.0131	.0014	.0152	.0199
%RSD	2526.	2.611	4.160	21.40	460.4	3.043	10520.
#1	.0034	.1534	11.03	L-.0506	L-.0013	.4816	L-.0205
#2	.0015	.1527	11.67	L-.0570	.0016	.5082	.0019
#3	L-.0044	.1601	11.97	L-.0758	.0006	.5075	.0192

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1756	2.642	.0430	L-.0149	.0120	6.436	5.054
SDev	.0024	.007	.0034	.0538	.0033	.022	.018
%RSD	1.376	.2723	7.922	360.4	27.77	.3447	.3513
#1	.1750	2.650	.0467	L-.0655	.0087	6.458	5.050
#2	.1782	2.637	.0400	.0416	.0154	6.413	5.039
#3	.1735	2.639	.0422	L-.0209	.0120	6.437	5.073

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.284	.1700	.3498	.9902	.0801	.0271
SDev	.045	.0013	.0089	.0073	.0014	.0013
%RSD	.5437	.7864	2.535	.7363	1.679	4.843
#1	8.336	.1715	.3417	.9986	.0809	.0256
#2	8.259	.1692	.3593	.9869	.0809	.0280
#3	8.258	.1692	.3483	.9852	.0786	.0277

Method: STD_MTD Sample Name: 022769 100 Operator: NR1
Run Time: 05/06/02 16:52:04
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	77.29	.0148	.0464	.6573	.00416	.0063	95.27
SDev	.91	.0208	.0171	.0096	.00012	.0012	1.02
%RSD	1.182	140.0	36.86	1.456	2.8074	18.85	1.069
#1	76.43	.0202	.0597	.6489	.00423	.0056	94.36
#2	77.18	.0324	.0271	.6552	.00423	.0077	95.08
#3	78.25	L-.0081	.0524	.6677	.00402	.0057	96.37

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1028	.0599	.3820	174.1	.3011	49.64	3.799
SDev	.0014	.0026	.0034	.5	.0153	1.38	.043
%RSD	1.322	4.392	.8864	.2633	5.095	2.787	1.135
#1	.1019	.0576	.3784	174.4	.3016	48.08	3.759
#2	.1020	.0628	.3824	173.6	.2855	50.12	3.792
#3	.1043	.0593	.3851	174.4	.3162	50.71	3.845

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.1477	8.459	L-.0904	L-.0035	.4175	L-.0007
SDev	.0014	.0138	.268	.0180	.0044	.0093	.0284
%RSD	208.9	9.377	3.170	19.87	125.8	2.232	4104.
#1	L-.0005	.1625	8.441	L-.0735	.0016	.4268	L-.0106
#2	.0022	.1454	8.735	L-.0883	L-.0060	.4176	L-.0229
#3	.0003	.1351	8.200	L-.1093	L-.0060	.4082	.0314

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1791	.6235	.0222	L-.0229	.0130	4.215	.7579
SDev	.0011	.0093	.0080	.0362	.0015	.055	.0337
%RSD	.5926	1.485	36.21	158.1	11.24	1.314	4.451
#1	.1785	.6164	.0244	L-.0635	.0122	4.159	.7189
#2	.1785	.6202	.0289	.0063	.0122	4.217	.7768
#3	.1803	.6340	.0133	L-.0116	.0147	4.270	.7779

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.987	.1781	L-.0069	.9278	.1008	.0376
SDev	.081	.0027	.0107	.0118	.0000	.0000
%RSD	1.016	1.524	155.3	1.266	.0020	.0000
#1	7.906	.1755	L-.0149	.9166	.1008	.0376
#2	7.985	.1779	.0053	.9267	.1008	.0376
#3	8.068	.1810	L-.0111	.9400	.1008	.0376

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 16:58:00
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.923	.0377	.9630	1.952	.99382	1.002	20.57
SDev	.037	.0130	.0124	.020	.00984	.010	.15
%RSD	.9366	34.44	1.287	1.032	.99056	1.004	.7461
#1	3.947	.0283	.9666	1.967	1.0005	1.011	20.68
#2	3.941	.0324	.9733	1.960	.99849	1.003	20.63
#3	3.881	.0526	.9493	1.929	.98251	.9908	20.39

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.018	2.082	1.952	3.988	2.100	19.71	2.032
SDev	.015	.012	.019	.035	.007	.16	.017
%RSD	.7354	.5979	.9749	.8684	.3186	.8268	.8454
#1	2.030	2.092	1.965	4.010	2.107	19.82	2.044
#2	2.022	2.087	1.960	4.006	2.098	19.78	2.039
#3	2.001	2.068	1.930	3.948	2.094	19.52	2.012

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3361	1.047	18.55	1.014	.9887	19.44	2.083
SDev	.0039	.007	.17	.031	.0074	.13	.020
%RSD	1.152	.7059	.9270	3.069	.7519	.6916	.9388
#1	.3343	1.051	18.57	.9943	.9945	19.53	2.086
#2	.3335	1.051	18.72	.9970	.9912	19.51	2.101
#3	.3406	1.038	18.37	1.049	.9803	19.29	2.063

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.007	3.979	1.974	1.001	.0056	10.09	.0234
SDev	.006	.031	.014	.047	.0019	.10	.0138
%RSD	.6128	.7686	.6886	4.697	34.69	.9867	59.19
#1	1.013	4.000	1.977	.9511	.0078	10.19	.0320
#2	1.008	3.993	1.986	1.044	.0045	10.08	.0307
#3	1.000	3.944	1.959	1.008	.0045	9.996	.0074

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0297	.9741	-.0060	.0006	1.959	-.0053
SDev	.0030	.0099	.0072	.0010	.021	.0021
%RSD	10.18	1.017	120.5	173.2	1.092	40.16
#1	-.0274	.9813	-.0119	.0000	1.974	-.0072
#2	-.0332	.9782	-.0081	.0000	1.968	-.0057
#3	-.0286	.9628	.0021	.0017	1.934	-.0030

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 17:02:00
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0220	.9679	-.0124	.0007	-.00013	-.0005	-.0167
SDev	.0149	.0367	.0058	.0012	.00011	.0001	.0044
%RSD	67.95	3.791	46.76	173.2	89.994	17.85	26.60
#1	.0061	.9261	-.0167	.0014	-.00006	-.0004	-.0116
#2	.0357	.9949	-.0058	-.0007	-.00026	-.0006	-.0193
#3	.0242	.9827	-.0146	.0014	-.00006	-.0005	-.0193

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0004	-.0006	20.25	-.0075	2.027	-.0003
SDev	.0009	.0024	.0002	.06	.0140	.005	.0001
%RSD	64.35	605.7	34.64	.2889	185.8	.2249	33.37
#1	-.0024	.0027	-.0007	20.19	.0074	2.023	-.0003
#2	-.0006	-.0021	-.0007	20.30	-.0203	2.032	-.0004
#3	-.0012	.0006	-.0003	20.24	-.0097	2.026	-.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	-.0110	-.4216	.0103	.0128	.0397	-.1020
SDev	.0052	.0115	.3922	.0193	.0024	.0210	.0157
%RSD	249.2	104.9	93.04	187.3	19.04	52.81	15.38
#1	-.0013	-.0136	-.8291	.0044	.0101	.0276	-.0891
#2	-.0005	.0016	-.3888	-.0053	.0134	.0276	-.1195
#3	.0081	-.0209	-.0467	.0319	.0148	.0640	-.0975

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	-.0039	-.0000	-.0029	1.003	.0151	1.971
SDev	.0000	.0006	.0059	.0240	.005	.0144	.035
%RSD	.1279	14.57	892000.	816.5	.5096	95.36	1.791
#1	-.0020	-.0042	-.0022	.0230	.9981	.0053	1.963
#2	-.0020	-.0043	-.0045	-.0076	1.008	.0084	1.939
#3	-.0020	-.0033	.0067	-.0243	1.001	.0317	2.009

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.903	-.0000	2.041	1.958	.0016	1.956
SDev	.008	.0004	.005	.006	.0000	.007
%RSD	.4262	266300.	.2234	.3262	.0006	.3539
#1	1.894	.0005	2.038	1.953	.0016	1.949
#2	1.910	-.0003	2.046	1.965	.0016	1.963
#3	1.904	-.0003	2.038	1.957	.0016	1.956

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 17:07:54
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0070	.0175	-.0007	-.0007	-.00006	-.0005	-.0051
SDev	.0315	.0432	.0038	.0000	.00001	.0001	.0089
%RSD	450.9	246.8	512.9	.0038	10.196	11.13	172.9
#1	.0027	Q.0445	.0037	-.0007	-.00007	-.0006	.0000
#2	-.0222	Q-.0324	-.0028	-.0007	-.00005	-.0005	-.0154
#3	Q.0404	Q.0404	-.0032	-.0007	-.00006	-.0005	-.0000

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0036	-.0017	-.0008	-.0053	.0003	.0005
SDev	.0019	.0025	.0021	.0016	.0093	.0001	.0003
%RSD	160.7	67.83	124.9	210.8	175.7	57.74	50.91
#1	.0002	-.0020	-.0010	-.0025	-.0070	.0004	.0005
#2	-.0033	-.0065	-.0040	-.0006	-.0136	.0002	.0003
#3	-.0004	-.0024	.0000	.0008	.0047	.0002	.0008

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0040	-.0055	-.6030	-.0212	.0003	.0576	-.0096
SDev	.0050	.0027	1.0329	.0199	.0018	.0292	.0076
%RSD	122.4	50.10	171.3	94.04	570.7	50.75	79.61
#1	.0085	-.0026	.5867	-.0156	.0016	.0697	-.0022
#2	.0050	-.0081	Q-1.124	-.0432	.0011	.0242	-.0175
#3	-.0013	-.0057	Q-1.271	-.0046	-.0017	.0788	-.0090

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	.0000	.0000	-.0093	.0003	-.0008	.0059
SDev	.0025	.0005	.0059	.0263	.0039	.0055	.0240
%RSD	121.2	2138.	97130.	283.2	1389.	667.9	410.6
#1	.0002	-.0003	.0067	-.0320	.0047	.0041	.0214
#2	-.0047	-.0003	-.0022	-.0153	-.0020	-.0068	-.0218
#3	-.0016	.0006	-.0045	.0195	-.0020	.0002	.0180

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0396	.0005	-.0082	-.0011	Q.0019	.0004
SDev	.0035	.0000	.0119	.0010	.0018	.0034
%RSD	8.813	.0173	144.6	86.60	91.65	843.0
#1	-.0366	.0005	-.0218	.0000	Q.0016	.0033
#2	-.0434	.0005	-.0037	-.0017	.0004	-.0033
#3	-.0389	.0005	.0007	-.0017	Q.0039	.0012

Method: STD_MTD Sample Name: 022788 100 Operator: NR1
Run Time: 05/06/02 19:12:56
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	79.66	.0890	.1152	1.613	.00446	.0240	63.84
SDev	.68	.0107	.0138	.018	.00011	.0100	.46
%RSD	.8539	12.03	11.96	1.102	2.4952	41.48	.7134
#1	79.03	.0930	.1112	1.596	.00440	.0136	63.51
#2	79.57	.0971	.1038	1.612	.00440	.0250	63.65
#3	80.38	.0768	.1305	1.631	.00459	.0334	64.36

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2376	.0537	4.795	176.5	12.41	21.26	2.816
SDev	.0011	.0013	.041	1.9	.15	.15	.020
%RSD	.4848	2.466	.8502	1.062	1.170	.7264	.7222
#1	.2363	.0549	4.756	174.4	12.31	21.13	2.799
#2	.2386	.0523	4.792	177.2	12.35	21.22	2.811
#3	.2380	.0539	4.837	177.9	12.58	21.43	2.839

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0030	.2104	9.237	L-.0694	.0025	.5832	L-.0125
SDev	.0039	.0107	.324	.0177	.0036	.0163	.0428
%RSD	131.4	5.101	3.503	25.49	145.9	2.798	343.0
#1	L-.0025	.2204	8.938	L-.0852	.0064	.6020	.0368
#2	.0007	.2119	9.581	L-.0503	L-.0007	.5739	L-.0406
#3	L-.0072	.1991	9.192	L-.0727	.0017	.5736	L-.0337

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1902	9.436	.0712	.0078	.0185	7.810	8.370
SDev	.0011	.087	.0022	.0294	.0000	.069	.107
%RSD	.5823	.9228	3.127	374.2	.0133	.8887	1.281
#1	.1895	9.360	.0712	.0067	.0185	7.765	8.248
#2	.1896	9.418	.0690	L-.0209	.0185	7.775	8.413
#3	.1914	9.531	.0734	.0378	.0185	7.890	8.449

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.27	.2099	1.530	1.258	.0607	.0170
SDev	.09	.0015	.005	.009	.0014	.0013
%RSD	.9120	.7360	.3351	.7326	2.217	7.391
#1	10.18	.2084	1.531	1.249	.0599	.0184
#2	10.25	.2099	1.525	1.257	.0599	.0160
#3	10.36	.2114	1.535	1.267	.0623	.0166

Method: STD_MTD Sample Name: 022789 100 Operator: NR1
Run Time: 05/06/02 19:17:00
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	101.0	.0849	.0948	.9179	.00456	.0070	37.69
SDev	.6	.0121	.0048	.0053	.00000	.0060	.17
%RSD	.5771	14.29	5.080	.5729	.09642	85.78	.4516
#1	101.4	.0849	.0897	.9228	.00457	.0001	37.74
#2	100.4	.0971	.0954	.9124	.00457	.0113	37.50
#3	101.3	.0728	.0992	.9186	.00456	.0097	37.83

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1362	.0528	2.314	178.7	3.851	23.19	2.480
SDev	.0003	.0007	.016	.4	.009	.13	.012
%RSD	.2364	1.279	.6708	.2049	.2212	.5744	.4783
#1	.1366	.0535	2.325	179.1	3.856	23.27	2.488
#2	.1360	.0525	2.296	178.5	3.855	23.04	2.467
#3	.1360	.0522	2.320	178.4	3.841	23.27	2.486

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0068	.1481	7.508	L-.0679	.0003	.3861	L-.0135
SDev	.0126	.0147	.157	.0237	.0021	.0292	.0350
%RSD	184.5	9.914	2.088	34.87	655.4	7.554	259.8
#1	L-.0213	.1381	7.444	L-.0924	.0013	.4071	.0266
#2	L-.0001	.1412	7.686	L-.0452	.0017	.3983	L-.0293
#3	.0010	.1649	7.393	L-.0660	L-.0021	.3528	L-.0378

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2010	3.228	.0370	L-.0122	.0157	4.839	3.375
SDev	.0018	.017	.0034	.0211	.0029	.026	.060
%RSD	.8685	.5300	9.190	173.8	18.70	.5398	1.787
#1	.2000	3.236	.0333	L-.0093	.0160	4.831	3.429
#2	.2000	3.208	.0400	L-.0346	.0126	4.818	3.310
#3	.2030	3.240	.0378	.0074	.0185	4.868	3.386

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.893	.1429	.4620	1.092	.0731	.0262
SDev	.038	.0009	.0029	.009	.0014	.0008
%RSD	.4873	.6237	.6363	.7863	1.841	3.041
#1	7.923	.1434	.4647	1.099	.0738	.0259
#2	7.850	.1419	.4589	1.082	.0715	.0271
#3	7.907	.1434	.4624	1.094	.0738	.0256

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 19:22:55
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.969	.0216	.9871	1.981	1.0015	1.005	20.59
SDev	.033	.0062	.0201	.012	.0078	.002	.13
%RSD	.8401	28.64	2.032	.6081	.77732	.2292	.6294
#1	3.998	.0162	.9640	1.993	1.0068	1.008	20.68
#2	3.978	.0202	.9974	1.982	1.0052	1.003	20.65
#3	3.933	.0283	.9999	1.969	.99257	1.005	20.44

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.023	2.081	1.983	4.003	2.083	19.72	2.040
SDev	.011	.012	.013	.026	.016	.13	.013
%RSD	.5351	.5776	.6387	.6493	.7734	.6582	.6228
#1	2.027	2.090	1.992	4.024	2.090	19.81	2.048
#2	2.031	2.085	1.988	4.011	2.095	19.79	2.047
#3	2.011	2.067	1.968	3.974	2.065	19.57	2.025

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3386	1.042	19.51	.9980	1.001	19.79	2.076
SDev	.0049	.010	.51	.0092	.008	.18	.026
%RSD	1.445	.9131	2.631	.9205	.7951	.8907	1.264
#1	.3437	1.036	19.50	1.004	1.008	19.91	2.105
#2	.3382	1.038	19.01	.9874	1.003	19.88	2.068
#3	.3339	1.053	20.03	1.003	.9921	19.59	2.054

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.013	4.000	2.001	1.036	.0039	10.10	.0011
SDev	.005	.024	.021	.028	.0048	.09	.0422
%RSD	.4852	.5988	1.072	2.690	121.8	.9358	3805.
#1	1.017	4.018	2.010	1.008	.0053	10.16	.0250
#2	1.014	4.009	2.017	1.064	.0078	10.15	-.0477
#3	1.008	3.973	1.977	1.035	-.0014	9.992	.0260

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0271	.9864	-.0026	.0011	1.980	-.0052
SDev	.0040	.0062	.0039	.0010	.013	.0005
%RSD	14.84	.6313	149.4	86.60	.6506	8.813
#1	-.0309	.9921	.0017	.0017	1.992	-.0051
#2	-.0229	.9875	-.0037	.0000	1.982	-.0057
#3	-.0274	.9798	-.0059	.0017	1.967	-.0048

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 19:26:56
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0256	.9706	-.0065	.0007	-.00013	-.0006	-.0167
SDev	.0247	.0353	.0124	.0012	.00011	.0002	.0097
%RSD	96.51	3.632	190.4	173.2	88.798	32.63	57.92
#1	.0430	.9302	-.0192	.0014	-.00007	-.0004	-.0077
#2	-.0027	.9949	.0055	-.0007	-.00005	-.0008	-.0154
#3	.0364	.9868	-.0058	.0014	-.00026	-.0006	-.0270

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0012	.0028	.0017	20.13	.0056	2.013	-.0000
SDev	.0010	.0023	.0032	.36	.0040	.034	.0006
%RSD	88.27	84.26	190.8	1.784	71.41	1.706	4406.
#1	.0018	.0054	.0050	19.72	.0021	1.974	.0005
#2	.0017	.0009	.0013	20.39	.0048	2.038	-.0006
#3	-.0000	.0020	-.0013	20.28	.0100	2.026	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0100	-.5033	-.0177	.0136	.0186	-.1021
SDev	.0047	.0073	.3914	.0195	.0032	.0315	.0102
%RSD	3732.	73.47	77.76	110.4	23.80	169.9	9.992
#1	-.0044	-.0173	-.0969	-.0245	.0172	.0369	-.1010
#2	-.0009	-.0026	-.5353	-.0330	.0110	-.0179	-.0924
#3	.0050	-.0100	-.8778	.0043	.0124	.0367	-.1128

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	-.0036	-.0007	.0059	.9970	.0173	1.984
SDev	.0030	.0005	.0046	.0246	.0193	.0095	.064
%RSD	194.4	15.17	620.1	418.7	1.937	55.25	3.235
#1	.0017	-.0032	.0044	.0342	.9747	.0211	1.911
#2	-.0044	-.0033	-.0045	-.0062	1.008	.0064	2.010
#3	-.0020	-.0042	-.0022	-.0104	1.008	.0243	2.031

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.900	.0005	2.011	1.959	.0016	1.955
SDev	.030	.0000	.036	.036	.0000	.038
%RSD	1.574	.0188	1.793	1.848	.0012	1.947
#1	1.866	.0005	1.970	1.918	.0016	1.912
#2	1.916	.0005	2.028	1.985	.0016	1.983
#3	1.919	.0005	2.036	1.974	.0016	1.971

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 19:32:50
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0058	.0027	-.0125	-.0007	-.00007	.0005	-.0025
SDev	.0142	.0084	.0055	.0000	.00000	.0021	.0044
%RSD	242.3	312.2	43.94	.0019	2.3091	448.3	173.8
#1	-.0054	.0000	-.0118	-.0007	-.00007	-.0004	-.0077
#2	-.0202	-.0040	-.0184	-.0007	-.00007	-.0011	.0000
#3	.0081	.0121	-.0074	-.0007	-.00006	Q.0028	.0000

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	-.0017	-.0012	-.0028	-.0083	.0000	.0002
SDev	.0027	.0017	.0010	.0010	.0066	.0001	.0002
%RSD	1376.	100.0	78.73	34.70	79.27	.0000	86.58
#1	-.0021	-.0034	-.0024	-.0038	-.0017	-.0001	.0005
#2	.0031	.0000	-.0007	-.0025	-.0083	.0002	.0001
#3	-.0004	-.0017	-.0007	-.0020	-.0149	-.0001	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0020	-.0085	.0978	-.0064	-.0032	.0030	-.0135
SDev	.0029	.0046	.2974	.0242	.0014	.0105	.0259
%RSD	150.1	54.08	304.2	376.4	45.02	346.3	191.5
#1	-.0037	Q-.0106	.2444	-.0087	-.0017	.0151	-.0276
#2	.0014	Q-.0118	-.2445	.0189	-.0032	-.0030	-.0293
#3	-.0037	-.0032	.2933	-.0294	-.0046	-.0030	.0164

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0003	-.0022	.0204	.0022	.0129	.0012
SDev	.0006	.0005	.0059	.0079	.0022	.0089	.0284
%RSD	300.2	151.9	264.9	38.76	99.21	68.84	2381.
#1	.0008	-.0003	-.0044	.0181	.0014	.0151	.0337
#2	.0002	.0007	-.0067	.0292	.0047	.0032	-.0116
#3	-.0004	.0006	.0045	.0139	.0006	.0206	-.0185

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0366	.0003	-.0050	-.0006	Q.0016	.0012
SDev	.0050	.0004	.0048	.0010	.0000	.0025
%RSD	13.62	173.2	96.39	173.2	.0006	204.6
#1	-.0332	-.0003	-.0100	-.0017	Q.0016	-.0009
#2	-.0343	.0005	-.0005	.0000	Q.0016	.0039
#3	-.0423	.0005	-.0043	.0000	Q.0016	.0006

Method: STD_MTD Sample Name: 022790 100 Operator: NR1
Run Time: 05/06/02 19:36:51
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	86.54	.0539	.1164	.9737	.00494	.0117	246.4
SDev	.39	.0130	.0167	.0064	.00000	.0018	.8
%RSD	.4468	24.11	14.30	.6554	.09053	15.21	.3306
#1	86.96	.0485	.1016	.9807	.00494	.0114	247.3
#2	86.44	.0688	.1132	.9723	.00494	.0137	246.2
#3	86.21	.0445	.1345	.9682	.00495	.0101	245.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2243	.0612	2.444	206.9	5.535	64.66	4.218
SDev	.0008	.0026	.013	1.5	.022	.26	.013
%RSD	.3673	4.292	.5331	.7089	.3991	.3963	.3198
#1	.2234	.0610	2.458	205.7	5.560	64.94	4.234
#2	.2250	.0639	2.441	208.5	5.527	64.61	4.213
#3	.2245	.0586	2.433	206.3	5.518	64.43	4.208

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0068	.1818	11.31	L-.0712	L-.0001	.8574	L-.0100
SDev	.0008	.0037	.32	.0191	.0019	.0228	.0328
%RSD	11.48	2.048	2.785	26.86	2854.	2.661	328.2
#1	L-.0076	.1826	11.54	L-.0883	L-.0023	.8334	.0225
#2	L-.0060	.1850	11.45	L-.0506	.0010	.8600	L-.0430
#3	L-.0068	.1777	10.95	L-.0747	.0010	.8788	L-.0095

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2075	6.806	.0719	L-.0174	.0213	7.244	8.482
SDev	.0018	.022	.0026	.0300	.0019	.056	.027
%RSD	.8555	.3226	3.582	172.5	9.077	.7723	.3157
#1	.2084	6.831	.0734	L-.0489	.0224	7.295	8.511
#2	.2086	6.794	.0689	L-.0141	.0224	7.253	8.458
#3	.2054	6.793	.0734	.0108	.0191	7.184	8.478

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.177	.3278	.5455	1.195	.0793	.0368
SDev	.032	.0022	.0065	.005	.0007	.0046
%RSD	.3946	.6808	1.197	.4275	.8465	12.49
#1	8.213	.3304	.5430	1.201	.0789	.0418
#2	8.169	.3265	.5529	1.194	.0789	.0358
#3	8.150	.3265	.5406	1.191	.0801	.0328

Method: STD_MTD Sample Name: 022791 100 Operator: NR1
Run Time: 05/06/02 19:40:55
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	111.6	.0377	.0851	.8674	.00522	L-.0005	177.2
SDev	.7	.0093	.0132	.0073	.00011	.0012	.9
%RSD	.6177	24.74	15.57	.8458	2.0700	233.4	.4841
#1	110.8	.0324	.0737	.8597	.00510	L-.0011	176.2
#2	112.2	.0485	.0997	.8743	.00528	.0009	177.8
#3	111.7	.0324	.0820	.8681	.00529	L-.0013	177.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1429	.0625	1.121	203.5	2.246	67.28	3.178
SDev	.0014	.0012	.008	2.4	.006	.46	.017
%RSD	1.015	1.964	.6843	1.186	.2651	.6770	.5193
#1	.1414	.0611	1.113	201.3	2.240	66.76	3.160
#2	.1443	.0630	1.128	203.1	2.249	67.64	3.191
#3	.1430	.0634	1.123	206.1	2.251	67.43	3.185

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0041	.1566	8.980	L-.0929	L-.0059	1.061	L-.0078
SDev	.0044	.0115	.347	.0149	.0034	.037	.0081
%RSD	107.8	7.345	3.859	16.03	57.61	3.499	103.8
#1	L-.0092	.1467	8.615	L-.1000	L-.0031	1.032	.0015
#2	L-.0022	.1540	9.305	L-.0758	L-.0097	1.049	L-.0118
#3	L-.0010	.1692	9.018	L-.1029	L-.0050	1.103	L-.0130

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2268	2.139	.0430	L-.0090	.0113	4.740	2.516
SDev	.0025	.013	.0051	.0240	.0051	.038	.036
%RSD	1.107	.6070	11.97	267.3	45.11	.8046	1.423
#1	.2241	2.124	.0400	L-.0343	.0124	4.696	2.476
#2	.2290	2.149	.0489	.0134	.0057	4.767	2.527
#3	.2273	2.144	.0400	L-.0061	.0158	4.755	2.545

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.499	.3674	.1400	1.089	.0796	.0353
SDev	.065	.0023	.0115	.008	.0007	.0002
%RSD	.7624	.6312	8.192	.7256	.8474	.4921
#1	8.429	.3651	.1355	1.081	.0788	.0355
#2	8.556	.3697	.1315	1.096	.0800	.0352
#3	8.513	.3674	.1531	1.092	.0800	.0352

Method: STD_MTD Sample Name: 022792 100 Operator: NR1
Run Time: 05/06/02 19:44:59
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	63.84	.0539	.0690	.6471	.00348	.0020	233.6
SDev	.51	.0130	.0103	.0067	.00011	.0010	1.8
%RSD	.7947	24.11	14.98	1.037	3.1022	47.89	.7668
#1	63.63	.0485	.0709	.6443	.00335	.0020	232.3
#2	63.47	.0688	.0783	.6422	.00354	.0011	232.8
#3	64.42	.0445	.0579	.6547	.00353	.0030	235.6

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1126	.0373	.8615	121.9	1.534	102.7	2.347
SDev	.0007	.0031	.0074	1.0	.031	.8	.017
%RSD	.5990	8.424	.8566	.8432	2.011	.8275	.7321
#1	.1119	.0337	.8591	120.8	1.502	102.3	2.337
#2	.1130	.0383	.8557	122.8	1.536	102.1	2.338
#3	.1131	.0398	.8698	122.0	1.563	103.7	2.367

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0025	.1083	9.163	L-.0476	L-.0077	.5731	L-.0187
SDev	.0078	.0038	.592	.0122	.0016	.0088	.0183
%RSD	311.1	3.515	6.466	25.66	21.28	1.541	98.07
#1	.0008	.1113	9.258	L-.0615	L-.0058	.5644	L-.0283
#2	L-.0114	.1095	8.529	L-.0387	L-.0087	.5820	.0024
#3	.0031	.1040	9.702	L-.0425	L-.0087	.5729	L-.0301

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1366	1.894	.0430	.0261	.0121	7.549	4.274
SDev	.0028	.011	.0046	.0183	.0022	.016	.086
%RSD	2.028	.5984	10.77	70.07	18.39	.2160	2.020
#1	.1337	1.889	.0378	.0056	.0096	7.553	4.210
#2	.1368	1.887	.0445	.0321	.0129	7.531	4.241
#3	.1392	1.907	.0467	.0406	.0138	7.563	4.373

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.391	.2704	.0965	.8492	.0719	.0256
SDev	.073	.0025	.0033	.0077	.0000	.0018
%RSD	.7744	.9221	3.419	.9098	.0050	7.059
#1	9.339	.2694	.0965	.8447	.0719	.0238
#2	9.358	.2686	.0933	.8447	.0719	.0256
#3	9.474	.2732	.0999	.8581	.0719	.0274

Method: STD_MTD Sample Name: 022793 100 Operator: NR1
Run Time: 05/06/02 19:49:03
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	96.80	.0580	.0989	1.324	.00531	.0164	164.6
SDev	1.00	.0117	.0124	.017	.00000	.0072	1.7
%RSD	1.035	20.14	12.50	1.253	.06269	43.95	1.026
#1	95.65	.0647	.0940	1.305	.00531	.0082	162.7
#2	97.27	.0445	.0897	1.330	.00531	.0195	165.2
#3	97.49	.0647	.1129	1.336	.00530	.0216	165.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1482	.0583	1.593	208.4	3.488	55.14	2.963
SDev	.0015	.0015	.016	1.9	.051	.53	.030
%RSD	1.006	2.591	.9836	.9270	1.465	.9666	1.010
#1	.1485	.0566	1.575	206.2	3.432	54.52	2.928
#2	.1466	.0590	1.600	209.7	3.500	55.39	2.975
#3	.1496	.0594	1.604	209.4	3.533	55.49	2.984

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0063	.1757	8.761	L-.1044	L-.0048	.6357	L-.0097
SDev	.0034	.0068	.689	.0273	.0019	.0134	.0102
%RSD	54.12	3.867	7.861	26.19	39.75	2.101	104.6
#1	L-.0025	.1680	8.853	L-.0985	L-.0059	.6244	L-.0213
#2	L-.0072	.1783	8.031	L-.0805	L-.0026	.6504	L-.0022
#3	L-.0092	.1808	9.399	L-.1342	L-.0059	.6323	L-.0056

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2199	3.932	.0415	L-.0049	.0117	9.406	2.810
SDev	.0013	.038	.0072	.0532	.0034	.079	.058
%RSD	.6001	.9638	17.26	1075.	28.91	.8414	2.066
#1	.2188	3.888	.0333	L-.0637	.0097	9.315	2.784
#2	.2196	3.951	.0444	.0398	.0098	9.444	2.770
#3	.2214	3.957	.0467	.0092	.0156	9.460	2.877

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.042	.3362	.3575	1.057	.0858	.0262
SDev	.089	.0038	.0087	.011	.0000	.0010
%RSD	.9887	1.135	2.439	1.078	.0039	3.982
#1	8.939	.3318	.3479	1.044	.0857	.0256
#2	9.089	.3380	.3595	1.060	.0858	.0274
#3	9.098	.3388	.3650	1.065	.0858	.0256

Method: STD_MTD Sample Name: 022794 100 Operator: NR1
Run Time: 05/06/02 19:53:07
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.58	.0701	.1208	1.713	.00488	.0145	81.57
SDev	1.43	.0199	.0107	.027	.00001	.0046	.89
%RSD	1.463	28.46	8.862	1.605	.15683	32.02	1.089
#1	95.93	.0607	.1127	1.681	.00489	.0165	80.55
#2	98.35	.0930	.1330	1.730	.00487	.0178	82.18
#3	98.46	.0566	.1169	1.727	.00487	.0092	81.96

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2613	.0701	2.053	218.5	7.731	34.31	3.234
SDev	.0036	.0013	.033	1.0	.043	.42	.043
%RSD	1.393	1.818	1.584	.4527	.5523	1.212	1.320
#1	.2573	.0689	2.015	217.6	7.682	33.83	3.185
#2	.2625	.0714	2.068	219.6	7.758	34.58	3.261
#3	.2643	.0702	2.075	218.3	7.753	34.51	3.256

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0063	.1771	9.859	L-.0735	L-.0023	.6805	L-.0285
SDev	.0049	.0064	.675	.0227	.0036	.0233	.0067
%RSD	76.60	3.592	6.844	30.87	153.7	3.426	23.64
#1	L-.0033	.1741	9.351	L-.0763	.0012	.7052	L-.0207
#2	L-.0037	.1844	9.601	L-.0496	L-.0022	.6589	L-.0323
#3	L-.0120	.1729	10.63	L-.0947	L-.0059	.6774	L-.0325

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2337	5.399	.0489	L-.0206	.0201	7.262	7.279
SDev	.0030	.065	.0089	.0470	.0026	.118	.174
%RSD	1.298	1.204	18.23	227.7	12.71	1.631	2.387
#1	.2302	5.324	.0489	.0314	.0228	7.128	7.089
#2	.2358	5.434	.0400	L-.0334	.0195	7.308	7.319
#3	.2351	5.438	.0578	L-.0599	.0178	7.351	7.430

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.375	.2055	.4408	1.134	.0724	.0342
SDev	.121	.0034	.0061	.017	.0014	.0010
%RSD	1.287	1.639	1.386	1.507	1.860	2.828
#1	9.235	.2016	.4338	1.114	.0716	.0331
#2	9.445	.2078	.4449	1.146	.0739	.0349
#3	9.444	.2070	.4437	1.141	.0716	.0346

Method: STD_MTD Sample Name: 022795 100 Operator: NR1
Run Time: 05/06/02 19:57:11
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.1	.0324	.0986	.7508	.00473	L-.0013	36.52
SDev	1.5	.0107	.0316	.0128	.00011	.0023	.49
%RSD	1.469	33.07	31.99	1.700	2.2935	173.4	1.333
#1	103.5	.0283	.0914	.7536	.00465	L-.0001	36.60
#2	101.5	.0243	.0713	.7368	.00467	.0001	36.00
#3	104.4	.0445	.1331	.7619	.00485	L-.0040	36.96

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1104	.0625	1.731	215.0	1.578	20.17	2.250
SDev	.0027	.0011	.027	1.4	.005	.27	.031
%RSD	2.410	1.808	1.580	.6299	.3312	1.329	1.377
#1	.1130	.0613	1.741	215.2	1.584	20.23	2.256
#2	.1077	.0629	1.700	216.2	1.573	19.88	2.216
#3	.1107	.0634	1.752	213.5	1.576	20.40	2.277

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0035	.1170	4.997	L-.0767	L-.0035	.7277	.0082
SDev	.0057	.0127	.183	.0342	.0024	.0321	.0100
%RSD	162.1	10.85	3.666	44.55	68.54	4.409	121.3
#1	L-.0006	.1308	5.128	L-.0884	L-.0035	.6973	.0139
#2	.0002	.1058	4.787	L-.1036	L-.0011	.7246	.0141
#3	L-.0100	.1144	5.075	L-.0383	L-.0058	.7613	L-.0033

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2413	1.307	.0185	L-.0080	.0187	3.981	2.359
SDev	.0043	.017	.0013	.0089	.0029	.012	.105
%RSD	1.803	1.338	6.977	111.0	15.69	.2922	4.469
#1	.2435	1.311	.0199	L-.0172	.0185	3.984	2.371
#2	.2363	1.288	.0177	.0005	.0160	3.968	2.249
#3	.2440	1.322	.0177	L-.0073	.0218	3.990	2.459

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.364	.1624	.1197	.7622	.0482	.0278
SDev	.114	.0032	.0177	.0114	.0000	.0006
%RSD	1.368	1.978	14.77	1.494	.0020	2.255
#1	8.387	.1634	.1113	.7661	.0482	.0283
#2	8.240	.1588	.1078	.7494	.0482	.0271
#3	8.465	.1650	.1400	.7711	.0482	.0280

Method: STD_MTD Sample Name: 022796 100 Operator: NR1
Run Time: 05/06/02 20:01:15
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	88.40	.0499	.1006	2.584	.00550	.0182	144.5
SDev	.85	.0130	.0234	.026	.00001	.0043	1.1
%RSD	.9636	26.06	23.23	.9978	.10550	23.86	.7837
#1	89.34	.0445	.1231	2.613	.00550	.0205	145.7
#2	88.20	.0647	.1024	2.577	.00550	.0208	144.4
#3	87.67	.0404	.0764	2.563	.00551	.0132	143.4

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2212	.0666	3.020	214.1	8.858	65.75	3.387
SDev	.0009	.0028	.030	1.3	.052	.67	.031
%RSD	.3882	4.151	.9858	.6049	.5826	1.015	.9023
#1	.2205	.0693	3.053	212.9	8.910	66.49	3.421
#2	.2209	.0667	3.013	215.5	8.856	65.59	3.379
#3	.2221	.0637	2.995	213.9	8.807	65.18	3.361

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0028	.2129	17.89	L-.0835	L-.0039	1.316	L-.0287
SDev	.0077	.0019	.30	.0356	.0019	.005	.0260
%RSD	273.1	.8745	1.653	42.65	48.93	.3768	90.49
#1	L-.0108	.2125	18.23	L-.0832	L-.0060	1.313	L-.0098
#2	.0045	.2112	17.70	L-.0481	L-.0036	1.321	L-.0584
#3	L-.0021	.2149	17.74	L-.1193	L-.0022	1.313	L-.0180

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2212	6.828	.0615	L-.0005	.0180	18.43	7.495
SDev	.0023	.058	.0056	.0115	.0013	.16	.055
%RSD	1.041	.8498	9.110	2468.	7.153	.8627	.7358
#1	.2227	6.891	.0667	L-.0063	.0191	18.61	7.558
#2	.2222	6.814	.0556	L-.0079	.0183	18.36	7.455
#3	.2185	6.777	.0623	.0128	.0166	18.32	7.472

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.853	.3245	.7228	1.150	.0853	.0290
SDev	.076	.0031	.0097	.010	.0007	.0011
%RSD	.8600	.9630	1.346	.8765	.7905	3.930
#1	8.935	.3278	.7208	1.161	.0857	.0295
#2	8.842	.3239	.7333	1.149	.0857	.0298
#3	8.784	.3216	.7142	1.141	.0845	.0277

Method: STD_MTD Sample Name: 022797 100 Operator: NR1
Run Time: 05/06/02 20:05:18
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	91.62	.0674	.1105	2.274	.00588	.0118	141.0
SDev	.34	.0257	.0197	.012	.00001	.0024	.5
%RSD	.3753	38.11	17.80	.5297	.09394	20.54	.3786
#1	91.82	.0526	.1072	2.284	.00589	.0127	141.3
#2	91.81	.0971	.1316	2.279	.00588	.0091	141.3
#3	91.22	.0526	.0927	2.261	.00588	.0137	140.4

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2097	.0720	3.480	217.4	9.873	64.96	3.561
SDev	.0024	.0010	.015	1.0	.039	.28	.013
%RSD	1.162	1.346	.4240	.4413	.3914	.4346	.3765
#1	.2078	.0722	3.490	218.2	9.886	65.18	3.571
#2	.2125	.0729	3.486	217.7	9.903	65.06	3.567
#3	.2090	.0710	3.463	216.3	9.829	64.64	3.546

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.2261	17.52	L-.0999	L-.0009	1.187	L-.0019
SDev	.0057	.0067	.39	.0024	.0022	.005	.0067
%RSD	351.4	2.957	2.245	2.390	234.2	.4345	345.0
#1	L-.0002	.2314	17.07	L-.1006	L-.0022	1.184	L-.0018
#2	.0080	.2186	17.75	L-.1018	L-.0022	1.193	L-.0087
#3	L-.0029	.2283	17.75	L-.0972	.0016	1.185	.0047

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2266	7.374	.0563	.0273	.0163	18.17	6.823
SDev	.0022	.022	.0056	.0160	.0017	.02	.058
%RSD	.9674	.3033	9.954	58.72	10.69	.1157	.8451
#1	.2248	7.389	.0622	.0111	.0157	18.16	6.779
#2	.2290	7.384	.0556	.0431	.0183	18.19	6.888
#3	.2259	7.348	.0511	.0276	.0149	18.15	6.801

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.16	.3206	.8008	1.232	.0880	.0296
SDev	.02	.0012	.0054	.004	.0000	.0014
%RSD	.2440	.3686	.6741	.3208	.0012	4.697
#1	10.19	.3216	.7946	1.235	.0880	.0280
#2	10.16	.3208	.8030	1.234	.0880	.0304
#3	10.14	.3193	.8047	1.228	.0880	.0304

Method: STD_MTD Sample Name: 022798 100 Operator: NR1
Run Time: 05/06/02 20:09:22
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	100.2	.0863	.1615	2.983	.00682	.0185	105.8
SDev	1.6	.0124	.0229	.056	.00011	.0048	1.3
%RSD	1.556	14.32	14.15	1.874	1.6067	25.92	1.249
#1	101.8	.0971	.1879	3.038	.00695	.0130	107.1
#2	98.68	.0890	.1468	2.927	.00676	.0208	104.4
#3	100.2	.0728	.1499	2.983	.00676	.0216	105.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2006	.0686	3.592	225.9	7.679	44.10	3.447
SDev	.0028	.0024	.061	.7	.081	.60	.049
%RSD	1.380	3.444	1.693	.2918	1.052	1.360	1.430
#1	.2027	.0678	3.654	226.4	7.740	44.70	3.497
#2	.2016	.0713	3.533	225.1	7.588	43.50	3.398
#3	.1975	.0668	3.588	226.1	7.709	44.09	3.447

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.1822	13.15	L-.0898	.0015	.9074	.0102
SDev	.0031	.0097	.75	.0253	.0003	.0102	.0576
%RSD	627.4	5.334	5.716	28.22	18.60	1.121	566.0
#1	.0040	.1869	13.35	L-.0607	.0016	.9192	.0080
#2	L-.0011	.1887	13.78	L-.1069	.0016	.9018	L-.0463
#3	L-.0015	.1710	12.32	L-.1019	.0012	.9013	.0689

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2711	6.213	.0481	L-.0040	.0196	12.89	4.438
SDev	.0022	.083	.0072	.0185	.0015	.18	.106
%RSD	.7976	1.340	14.88	462.7	7.412	1.419	2.386
#1	.2732	6.296	.0511	L-.0143	.0213	13.08	4.526
#2	.2689	6.130	.0400	L-.0150	.0188	12.72	4.320
#3	.2713	6.214	.0533	.0174	.0188	12.89	4.469

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.83	.4507	1.186	1.103	.0884	.0283
SDev	.16	.0077	.018	.018	.0018	.0024
%RSD	1.271	1.712	1.539	1.593	2.015	8.309
#1	12.99	.4584	1.200	1.121	.0880	.0256
#2	12.67	.4429	1.165	1.086	.0868	.0295
#3	12.82	.4507	1.192	1.102	.0903	.0298

Method: STD_MTD Sample Name: 022799 100 Operator: NR1
Run Time: 05/06/02 20:13:26
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	93.91	.0647	.1175	1.719	.00530	.0191	67.98
SDev	.51	.0214	.0222	.008	.00000	.0010	.22
%RSD	.5378	33.07	18.94	.4643	.05725	5.463	.3264
#1	93.70	.0404	.1267	1.717	.00530	.0203	67.86
#2	93.53	.0728	.0921	1.712	.00531	.0184	67.84
#3	94.48	.0809	.1336	1.727	.00530	.0186	68.24

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1598	.0694	3.107	218.0	6.882	40.09	4.488
SDev	.0021	.0013	.016	.5	.003	.17	.018
%RSD	1.331	1.839	.5105	.2144	.0455	.4244	.3928
#1	.1574	.0688	3.100	218.4	6.879	40.03	4.482
#2	.1604	.0709	3.096	218.0	6.882	39.96	4.475
#3	.1616	.0685	3.125	217.5	6.885	40.28	4.508

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0035	.2058	12.07	L-.0783	.0002	.4351	.0121
SDev	.0105	.0037	.27	.0177	.0014	.0291	.0424
%RSD	303.8	1.777	2.224	22.62	666.9	6.698	351.2
#1	.0115	.2094	11.76	L-.0655	.0015	.4683	L-.0132
#2	.0072	.2021	12.20	L-.0985	L-.0014	.4230	L-.0116
#3	L-.0084	.2058	12.25	L-.0708	.0005	.4139	.0611

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2217	5.452	.0429	.0250	.0168	8.438	5.537
SDev	.0012	.026	.0046	.0293	.0034	.077	.067
%RSD	.5430	.4842	10.79	117.4	20.11	.9085	1.218
#1	.2218	5.441	.0444	.0588	.0187	8.490	5.598
#2	.2205	5.433	.0467	.0073	.0187	8.350	5.465
#3	.2229	5.482	.0378	.0088	.0129	8.474	5.547

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.89	.1820	.6180	1.078	.0856	.0346
SDev	.05	.0009	.0035	.005	.0000	.0011
%RSD	.3561	.4901	.5600	.4739	.0005	3.135
#1	14.86	.1814	.6209	1.077	.0856	.0349
#2	14.86	.1814	.6191	1.074	.0856	.0355
#3	14.95	.1830	.6142	1.084	.0856	.0334

Method: STD_MTD Sample Name: 022800 100 Operator: NR1
Run Time: 05/06/02 20:17:30
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	121.4	.0256	.1078	1.778	.00592	.0121	45.52
SDev	1.0	.0182	.0251	.018	.00022	.0053	.33
%RSD	.8531	71.20	23.34	1.029	3.7184	43.81	.7342
#1	120.4	.0445	.0944	1.761	.00580	.0182	45.19
#2	122.5	.0081	.1368	1.797	.00618	.0087	45.86
#3	121.3	.0243	.0921	1.777	.00580	.0094	45.50

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1420	.0779	1.344	238.6	1.797	34.25	5.012
SDev	.0027	.0013	.015	1.8	.021	.26	.042
%RSD	1.933	1.705	1.092	.7389	1.164	.7548	.8384
#1	.1403	.0794	1.333	240.6	1.783	34.01	4.972
#2	.1451	.0770	1.361	237.2	1.821	34.52	5.056
#3	.1404	.0773	1.339	238.2	1.786	34.21	5.009

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.2017	11.01	L-.1074	L-.0013	.4997	.0311
SDev	.0027	.0123	.81	.0185	.0023	.0139	.0259
%RSD	101.0	6.120	7.325	17.24	186.1	2.783	83.37
#1	.0056	.1978	10.25	L-.1245	L-.0024	.4962	.0409
#2	.0025	.1917	11.85	L-.0877	L-.0028	.4878	.0506
#3	.0001	.2155	10.92	L-.1100	.0014	.5150	.0017

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2621	4.040	.0318	.0139	.0176	5.974	2.902
SDev	.0031	.030	.0026	.0176	.0019	.018	.035
%RSD	1.184	.7455	8.096	126.2	11.01	.3037	1.202
#1	.2604	4.014	.0288	L-.0043	.0187	5.966	2.916
#2	.2657	4.073	.0333	.0308	.0187	5.961	2.862
#3	.2603	4.033	.0333	.0153	.0153	5.994	2.927

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.84	.2806	.1577	.9568	.0820	.0359
SDev	.07	.0031	.0145	.0077	.0000	.0015
%RSD	.6650	1.099	9.194	.8011	.0008	4.134
#1	10.77	.2775	.1421	.9501	.0820	.0352
#2	10.92	.2837	.1602	.9651	.0820	.0376
#3	10.83	.2806	.1707	.9551	.0820	.0349

Method: STD_MTD Sample Name: 022801 100 Operator: NR1
Run Time: 05/06/02 20:21:33
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.05	.0566	.1122	.7277	.00431	.0117	71.43
SDev	.56	.0107	.0137	.0053	.00011	.0013	.42
%RSD	.6934	18.90	12.25	.7226	2.6048	11.07	.5862
#1	79.42	.0526	.1207	.7221	.00418	.0102	70.96
#2	80.47	.0485	.1195	.7326	.00437	.0127	71.55
#3	80.26	.0688	.0963	.7284	.00438	.0122	71.77

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1340	.0466	1.576	177.2	4.121	34.71	2.402
SDev	.0007	.0017	.012	.5	.035	.21	.015
%RSD	.5057	3.572	.7821	.3080	.8582	.5916	.6295
#1	.1332	.0469	1.563	177.1	4.101	34.47	2.385
#2	.1343	.0482	1.587	177.8	4.101	34.83	2.412
#3	.1344	.0449	1.577	176.8	4.162	34.83	2.410

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.1521	7.223	L-.0701	.0016	.5573	.0057
SDev	.0077	.0074	.197	.0147	.0003	.0191	.0284
%RSD	2038.	4.856	2.724	20.92	17.31	3.428	499.0
#1	L-.0033	.1454	7.108	L-.0870	.0017	.5635	L-.0045
#2	L-.0048	.1509	7.111	L-.0625	.0017	.5359	L-.0162
#3	.0092	.1601	7.450	L-.0608	.0013	.5725	.0378

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1965	3.237	.0474	L-.0060	.0198	10.38	5.797
SDev	.0014	.018	.0026	.0153	.0019	.08	.079
%RSD	.7261	.5583	5.416	256.0	9.772	.7602	1.361
#1	.1957	3.217	.0489	.0083	.0187	10.32	5.706
#2	.1981	3.252	.0489	L-.0221	.0187	10.47	5.839
#3	.1957	3.242	.0445	L-.0041	.0220	10.35	5.847

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.23	.1956	.3419	.7806	.0623	.0280
SDev	.10	.0009	.0107	.0068	.0000	.0000
%RSD	.7658	.4568	3.121	.8660	.0013	.0000
#1	13.12	.1946	.3310	.7728	.0623	.0280
#2	13.30	.1961	.3425	.7845	.0623	.0280
#3	13.28	.1961	.3523	.7845	.0623	.0280

Method: STD_MTD Sample Name: 022802 100 Operator: NR1
Run Time: 05/06/02 20:25:37
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	84.57	.0876	.1005	.8334	.00515	.0127	124.3
SDev	.44	.0047	.0107	.0032	.00000	.0037	.5
%RSD	.5258	5.329	10.63	.3828	.04717	29.13	.4082
#1	84.25	.0849	.1059	.8306	.00515	.0113	124.0
#2	84.38	.0930	.1074	.8327	.00515	.0169	124.0
#3	85.08	.0849	.0882	.8369	.00514	.0099	124.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1262	.0545	3.037	192.0	5.273	61.85	2.951
SDev	.0012	.0013	.017	1.0	.011	.36	.013
%RSD	.9363	2.358	.5681	.5211	.2108	.5826	.4431
#1	.1249	.0532	3.026	190.9	5.273	61.62	2.944
#2	.1272	.0557	3.029	192.9	5.262	61.67	2.943
#3	.1266	.0547	3.057	192.2	5.285	62.27	2.966

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.1477	6.739	L-.0786	L-.0051	.7862	.0125
SDev	.0024	.0116	.242	.0039	.0031	.0056	.0282
%RSD	185.2	7.877	3.593	4.908	60.23	.7066	225.3
#1	.0010	.1345	6.981	L-.0768	L-.0050	.7927	.0174
#2	.0038	.1564	6.496	L-.0830	L-.0021	.7830	L-.0178
#3	L-.0009	.1521	6.740	L-.0759	L-.0083	.7831	.0378

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2052	4.021	.0326	.0109	.0218	6.000	3.440
SDev	.0010	.020	.0046	.0304	.0029	.045	.007
%RSD	.4692	.5037	14.24	280.1	13.45	.7570	.2166
#1	.2042	4.006	.0378	.0349	.0190	5.985	3.439
#2	.2055	4.013	.0311	.0211	.0249	5.964	3.447
#3	.2060	4.044	.0289	L-.0234	.0216	6.051	3.432

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.794	.2611	.5131	.8374	.0705	.0273
SDev	.044	.0009	.0131	.0019	.0020	.0010
%RSD	.4543	.3426	2.548	.2306	2.861	3.545
#1	9.765	.2606	.5140	.8363	.0717	.0262
#2	9.772	.2606	.5258	.8363	.0682	.0280
#3	9.845	.2621	.4997	.8397	.0717	.0277

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 20:31:33
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.063	.0283	1.003	2.040	1.0293	1.029	21.02
SDev	.050	.0246	.022	.031	.0125	.012	.26
%RSD	1.219	86.90	2.167	1.523	1.2185	1.182	1.253
#1	4.013	.0162	.9817	2.012	1.0162	1.017	20.75
#2	4.063	.0566	1.003	2.036	1.0304	1.029	21.03
#3	4.112	.0121	1.025	2.073	1.0413	1.041	21.28

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.073	2.133	2.040	4.101	2.108	20.24	2.091
SDev	.026	.025	.030	.053	.034	.25	.028
%RSD	1.231	1.171	1.492	1.292	1.620	1.256	1.326
#1	2.047	2.107	2.010	4.047	2.073	19.98	2.063
#2	2.076	2.133	2.040	4.104	2.109	20.26	2.092
#3	2.097	2.157	2.071	4.153	2.141	20.48	2.118

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3369	1.058	19.58	1.023	1.028	20.36	2.129
SDev	.0050	.012	.08	.007	.012	.30	.044
%RSD	1.472	1.114	.3840	.6656	1.137	1.451	2.066
#1	.3351	1.051	19.50	1.027	1.015	20.04	2.086
#2	.3425	1.052	19.60	1.015	1.031	20.42	2.174
#3	.3330	1.072	19.65	1.026	1.038	20.62	2.127

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.036	4.096	2.049	1.044	.0042	10.33	.0170
SDev	.017	.046	.046	.045	.0019	.11	.0067
%RSD	1.597	1.121	2.232	4.324	45.99	1.041	39.67
#1	1.019	4.049	2.001	.9957	.0053	10.25	.0224
#2	1.039	4.098	2.052	1.053	.0020	10.28	.0192
#3	1.051	4.141	2.092	1.085	.0053	10.45	.0094

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0316	1.015	-.0016	-.0006	2.035	-.0071
SDev	.0017	.015	.0153	.0010	.026	.0013
%RSD	5.521	1.443	962.5	173.2	1.261	17.59
#1	-.0297	1.001	-.0135	-.0017	2.010	-.0075
#2	-.0320	1.014	.0156	.0000	2.033	-.0057
#3	-.0332	1.030	-.0069	.0000	2.061	-.0081

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 20:35:34
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0222	.9531	-.0198	.0000	-.00006	-.0004	-.0141
SDev	.0111	.0223	.0123	.0012	.00000	.0002	.0097
%RSD	49.96	2.337	62.09	2850000.	7.8503	49.05	68.44
#1	.0350	.9302	-.0324	.0014	-.00006	-.0002	-.0039
#2	.0168	.9747	-.0079	-.0007	-.00006	-.0006	-.0154
#3	.0148	.9544	-.0190	-.0007	-.00005	-.0004	-.0231

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	.0013	.0016	20.06	-.0075	2.011	.0000
SDev	.0032	.0014	.0027	.16	.0040	.017	.0004
%RSD	325.5	102.7	173.2	.7850	53.65	.8419	744.4
#1	.0023	.0013	.0040	20.22	-.0111	2.028	.0005
#2	-.0012	.0027	.0020	20.07	-.0031	2.012	-.0001
#3	-.0041	-.0000	-.0013	19.90	-.0084	1.994	-.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0047	.1484	-.0273	.0129	.0095	-.1173
SDev	.0059	.0046	.2583	.0096	.0008	.0091	.0146
%RSD	1479.	97.90	174.1	35.19	6.356	95.44	12.45
#1	-.0044	-.0002	-.0468	-.0163	.0134	.0095	-.1043
#2	.0069	-.0093	.0506	-.0342	.0134	.0186	-.1145
#3	-.0013	-.0045	.4413	-.0314	.0120	.0005	-.1331

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	-.0033	-.0000	-.0141	.9925	.0109	1.992
SDev	.0019	.0009	.0045	.0080	.0094	.0067	.004
%RSD	78.33	27.98	202200.	57.13	.9470	60.95	.1871
#1	-.0008	-.0033	.0045	-.0048	1.001	.0044	1.988
#2	-.0020	-.0024	-.0000	-.0187	.9948	.0108	1.993
#3	-.0044	-.0042	-.0045	-.0187	.9822	.0177	1.995

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.906	.0008	2.004	1.953	.0016	1.949
SDev	.015	.0004	.020	.018	.0000	.015
%RSD	.8026	57.74	.9938	.8994	.0012	.7800
#1	1.919	.0005	2.024	1.971	.0016	1.964
#2	1.910	.0013	2.004	1.953	.0016	1.949
#3	1.889	.0005	1.984	1.936	.0016	1.934

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 20:41:27
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.0135	-.0008	.0000	.00001	-.0005	-.0090
SDev	.0120	.0223	.0139	.0012	.00011	.0002	.0059
%RSD	139.9	165.2	1840.	4477000.	1810.5	40.08	65.45
#1	.0061	.0243	-.0118	-.0007	-.00006	-.0004	-.0154
#2	-.0020	.0283	.0148	Q.0014	.00013	-.0008	-.0038
#3	.0216	-.0121	-.0053	-.0007	-.00006	-.0005	-.0077

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0032	-.0033	-.0020	-.0005	.0001	.0004
SDev	.0032	.0019	.0029	.0008	.0099	.0001	.0003
%RSD	275.4	60.92	87.98	39.97	2191.	173.2	76.35
#1	Q-.0045	-.0048	Q-.0061	-.0025	-.0110	.0002	.0003
#2	.0019	-.0010	-.0003	-.0011	.0009	.0002	.0007
#3	-.0010	-.0037	-.0034	-.0025	.0087	-.0001	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	Q-.0122	-.6845	-.0276	.0003	.0485	.0028
SDev	.0027	.0098	.7334	.0298	.0019	.0189	.0034
%RSD	256.5	80.21	107.1	107.9	610.1	39.03	119.4
#1	-.0001	Q-.0130	Q-1.418	-.0405	-.0017	.0424	-.0005
#2	.0010	-.0020	-.6845	.0064	.0021	.0333	.0028
#3	-.0040	Q-.0215	.0489	-.0488	.0006	.0697	.0062

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0024	.0004	-.0052	.0093	.0008	-.0010	-.0057
SDev	.0015	.0005	.0013	.0158	.0017	.0055	.0488
%RSD	62.91	138.2	24.83	170.6	208.4	557.2	857.1
#1	-.0041	.0007	-.0044	.0223	-.0011	-.0073	.0338
#2	-.0010	.0006	-.0067	-.0084	.0022	.0012	Q-.0602
#3	-.0022	-.0002	-.0044	.0139	.0014	.0032	.0094

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0419	-.0000	.0010	-.0017	Q.0016	-.0016
SDev	.0043	.0004	.0052	.0017	.0000	.0017
%RSD	10.33	495700.	541.6	100.0	.0008	103.3
#1	-.0469	-.0003	-.0031	-.0033	Q.0016	-.0033
#2	-.0400	.0005	.0068	.0000	Q.0016	.0000
#3	-.0389	-.0003	-.0008	-.0017	Q.0016	-.0015

Method: STD_MTD Sample Name: BL0503 100 Operator: NR1
Run Time: 05/06/02 20:45:29
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0009	.0216	-.0133	.0014	-.00013	.0010	.0577
SDev	.0004	.0047	.0092	.0000	.00011	.0010	.0038
%RSD	43.65	21.65	69.44	.0008	88.364	102.5	6.661
#1	.0007	.0243	-.0207	.0014	-.00006	.0022	.0538
#2	.0007	.0243	-.0029	.0014	-.00006	.0003	.0615
#3	.0014	.0162	-.0162	.0014	-.00025	.0005	.0577

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0015	-.0018	.0157	-.0092	.0027	.0006
SDev	.0009	.0013	.0019	.0013	.0093	.0000	.0001
%RSD	76.50	87.25	103.3	8.490	100.3	.0000	17.33
#1	-.0021	-.0024	-.0027	.0164	-.0004	.0027	.0007
#2	-.0004	-.0000	.0003	.0164	-.0083	.0027	.0007
#3	-.0010	-.0020	-.0030	.0141	-.0189	.0027	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0010	-.0041	-.3911	-.0331	-.0024	-.0273	.0147
SDev	.0039	.0084	.5553	.0084	.0033	.0105	.0029
%RSD	377.2	206.9	142.0	25.46	140.4	38.48	19.95
#1	.0034	-.0008	.0000	-.0405	-.0055	-.0394	.0113
#2	-.0025	.0022	-.1466	-.0350	.0011	-.0212	.0164
#3	-.0040	-.0136	-1.027	-.0239	-.0027	-.0212	.0164

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	.0006	-.0030	.0432	.0020	.0368	-.0001
SDev	.0012	.0000	.0013	.0024	.0005	.0243	.0183
%RSD	54.56	5.723	43.31	5.589	24.74	65.92	27080.
#1	-.0022	.0006	-.0022	.0418	.0022	.0469	-.0174
#2	-.0010	.0006	-.0022	.0459	.0014	.0544	.0190
#3	-.0034	.0007	-.0045	.0418	.0022	.0091	-.0018

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0362	.0003	-.0000	-.0006	.0008	.0015
SDev	.0089	.0004	.0046	.0010	.0007	.0000
%RSD	24.53	172.8	95240.	173.2	86.59	.0000
#1	-.0434	.0005	-.0015	.0000	.0016	.0015
#2	-.0389	.0005	.0052	.0000	.0004	.0015
#3	-.0263	-.0003	-.0037	-.0017	.0004	.0015

Method: STD_MTD Sample Name: BL0503S 100 Operator: NR1
Run Time: 05/06/02 20:49:32
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.960	.5069	.4748	.9737	.49519	.4951	10.16
SDev	.008	.0124	.0072	.0024	.00091	.0001	.01
%RSD	.4296	2.438	1.507	.2478	.18334	.0220	.1000
#1	1.960	.5177	.4696	.9751	.49618	.4951	10.15
#2	1.952	.5096	.4829	.9710	.49499	.4949	10.17
#3	1.968	.4934	.4718	.9751	.49440	.4951	10.17

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9940	1.026	.9785	11.86	1.022	10.71	.9989
SDev	.0012	.003	.0015	.00	.020	.00	.0006
%RSD	.1176	.3146	.1575	.0191	1.913	.0372	.0579
#1	.9952	1.023	.9798	11.86	1.001	10.72	.9991
#2	.9929	1.029	.9788	11.86	1.039	10.71	.9993
#3	.9940	1.026	.9768	11.86	1.027	10.71	.9982

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0669	.5173	9.122	.4727	.4968	9.644	.9448
SDev	.0027	.0092	.286	.0279	.0036	.024	.0230
%RSD	4.094	1.784	3.141	5.913	.7218	.2493	2.436
#1	.0697	.5214	9.333	.4953	.4952	9.653	.9369
#2	.0669	.5068	L8.796	.4815	.4942	9.617	.9707
#3	.0642	.5238	9.236	L.4414	.5009	9.662	.9267

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4919	1.952	.9769	.4615	.4878	4.919	.9809
SDev	.0010	.002	.0051	.0464	.0019	.050	.0225
%RSD	.2140	.0815	.5261	10.05	.3959	1.007	2.297
#1	.4907	1.952	.9739	.4689	.4866	4.964	1.006
#2	.4925	1.950	.9828	.5037	.4866	4.927	.9744
#3	.4925	1.954	.9739	L.4119	.4900	4.866	.9623

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.8928	.4859	.9767	.9635	.9703	.9612
SDev	.0069	.0013	.0130	.0000	.0007	.0017
%RSD	.7788	.2746	1.329	.0000	.0693	.1725
#1	L.8848	.4867	.9618	.9635	.9696	.9604
#2	.8962	.4844	.9828	.9635	.9707	.9601
#3	.8974	.4867	.9856	.9635	.9707	.9631

Method: STD_MTD Sample Name: BL0503X 100 Operator: NR1
Run Time: 05/06/02 20:53:36
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.971	.5028	.4732	.9835	.49999	.4991	10.24
SDev	.007	.0153	.0046	.0036	.00172	.0069	.03
%RSD	.3797	3.045	.9730	.3680	.34452	1.385	.2628
#1	1.962	.4853	.4718	.9793	.49854	.4951	10.21
#2	1.974	.5096	.4695	.9856	.50189	.4951	10.25
#3	1.976	.5136	.4783	.9856	.49953	.5071	10.26

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.001	1.040	.9891	11.94	1.034	10.82	1.008
SDev	.001	.003	.0029	.04	.005	.03	.004
%RSD	.1213	.2960	.2971	.3295	.5085	.2944	.3710
#1	1.000	1.037	.9859	11.90	1.028	10.79	1.004
#2	1.003	1.040	.9916	11.96	1.039	10.85	1.010
#3	1.001	1.043	.9899	11.96	1.034	10.83	1.011

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0676	.5052	9.546	.4681	.5018	9.747	.9520
SDev	.0043	.0117	.549	.0244	.0013	.047	.0111
%RSD	6.348	2.309	5.756	5.207	.2496	.4784	1.164
#1	.0662	.5159	10.02	L.4400	.5013	9.708	.9402
#2	.0724	.5068	9.676	.4842	.5009	9.799	.9537
#3	.0642	.4928	L8.943	.4800	.5032	9.735	.9622

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4972	1.973	.9843	.4824	.4947	5.023	.9945
SDev	.0015	.008	.0056	.0510	.0050	.047	.0312
%RSD	.3080	.4004	.5693	10.58	1.019	.9282	3.142
#1	.4956	1.964	.9783	.4522	.4900	4.971	.9948
#2	.4986	1.976	.9895	.4536	.4942	5.060	.9630
#3	.4974	1.979	.9850	.5414	.5000	5.038	1.026

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8953	.4908	.9910	.9707	.9797	.9666
SDev	.0092	.0016	.0058	.0035	.0041	.0037
%RSD	1.026	.3268	.5831	.3587	.4176	.3869
#1	L.8848	.4890	.9881	.9668	.9754	.9622
#2	.8991	.4921	.9872	.9735	.9835	.9689
#3	.9019	.4913	.9976	.9718	.9800	.9686

Analysis Report 07309 05/06/02 09:03:29 PM

Method: STD_MTD Sample Name: ERA249 100 Operator: NR1
Run Time: 05/06/02 20:59:33
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.22	.3707	1.388	8.207	.97886	.5799	122.3
SDev	.82	.0084	.029	.106	.00997	.0016	1.0
%RSD	1.025	2.271	2.061	1.297	1.0182	.2751	.8580
#1	79.64	.3640	1.363	8.157	.97214	.5784	121.6
#2	81.16	.3680	1.419	8.329	.99031	.5815	123.5
#3	79.85	.3802	1.382	8.135	.97412	.5797	121.7

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.519	.5431	1.594	166.8	.5634	29.17	4.702
SDev	.011	.0043	.017	.8	.0094	.26	.045
%RSD	.7057	.7863	1.078	.4971	1.660	.8982	.9601
#1	1.511	.5410	1.584	167.0	.5646	28.99	4.672
#2	1.531	.5481	1.614	167.5	.5535	29.47	4.754
#3	1.515	.5404	1.584	165.9	.5721	29.05	4.680

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0115	.5905	33.43	.6285	1.431	7.519	1.126
SDev	.0096	.0101	.80	.0138	.015	.086	.003
%RSD	83.17	1.709	2.384	2.195	1.044	1.149	.3029
#1	.0139	.5799	33.71	.6161	1.419	7.474	1.127
#2	.0198	.6000	34.05	.6433	1.448	7.619	1.122
#3	.0010	.5915	32.53	.6261	1.425	7.465	1.129

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4110	6.422	.6955	-.0187	1.244	10.86	6.413
SDev	.0028	.058	.0161	.0131	.020	.09	.139
%RSD	.6858	.9027	2.316	69.70	1.617	.8434	2.170
#1	.4104	6.380	.6851	-.0184	1.225	10.80	6.289
#2	.4141	6.488	.7141	-.0320	1.265	10.96	6.564
#3	.4086	6.397	.6874	-.0059	1.243	10.80	6.387

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.89	.9307	.8341	2.444	.0903	.0807
SDev	.11	.0114	.0111	.026	.0000	.0054
%RSD	.9650	1.220	1.332	1.078	.0023	6.727
#1	10.81	.9246	.8447	2.428	.0903	.0867
#2	11.01	.9438	.8350	2.475	.0903	.0792
#3	10.85	.9238	.8225	2.430	.0903	.0761

Method: STD_MTD Sample Name: 022803 100 Operator: NR1
Run Time: 05/06/02 21:03:36
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	104.1	.0768	.1079	1.366	.00601	.0130	88.05
SDev	1.0	.0162	.0186	.015	.00001	.0003	.71
%RSD	.9692	21.05	17.22	1.106	.13393	2.259	.8076
#1	103.0	.0607	.0904	1.349	.00602	.0127	87.23
#2	104.7	.0768	.1058	1.374	.00601	.0133	88.42
#3	104.8	.0930	.1274	1.376	.00601	.0130	88.51

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2073	.0697	2.734	236.4	8.096	39.57	3.633
SDev	.0004	.0040	.026	.9	.059	.32	.032
%RSD	.1758	5.730	.9415	.3757	.7350	.8158	.8813
#1	.2069	.0655	2.705	236.8	8.029	39.20	3.597
#2	.2075	.0734	2.750	235.4	8.114	39.74	3.653
#3	.2075	.0702	2.748	237.0	8.144	39.77	3.651

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0029	.2834	13.09	L-.0970	.0046	1.132	.0405
SDev	.0052	.0058	.35	.0086	.0014	.019	.0331
%RSD	183.0	2.033	2.691	8.835	29.82	1.655	81.68
#1	L-.0089	.2813	13.27	L-.1067	.0054	1.117	.0682
#2	.0009	.2789	13.31	L-.0940	.0030	1.126	.0493
#3	L-.0007	.2899	12.68	L-.0904	.0054	1.153	.0039

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2535	6.260	.0734	.0357	.0243	17.65	8.540
SDev	.0032	.054	.0077	.0114	.0013	.16	.100
%RSD	1.260	.8611	10.51	31.86	5.249	.8975	1.166
#1	.2499	6.197	.0689	.0253	.0246	17.48	8.438
#2	.2559	6.290	.0823	.0479	.0254	17.78	8.636
#3	.2548	6.291	.0689	.0340	.0229	17.69	8.547

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.842	.3298	.6312	1.318	.0848	.0336
SDev	.076	.0036	.0124	.012	.0018	.0028
%RSD	.7716	1.081	1.968	.9347	2.099	8.272
#1	9.755	.3257	.6231	1.304	.0833	.0352
#2	9.875	.3319	.6251	1.326	.0844	.0352
#3	9.896	.3319	.6455	1.325	.0868	.0304

Method: STD_MTD Sample Name: 022803D 100 Operator: NR1
Run Time: 05/06/02 21:07:40
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.2	.0674	.1172	1.383	.00601	.0161	87.95
SDev	.7	.0191	.0133	.013	.00000	.0052	.46
%RSD	.7060	28.35	11.38	.9106	.06043	32.25	.5260
#1	102.4	.0607	.1064	1.370	.00602	.0133	87.54
#2	103.9	.0890	.1321	1.395	.00601	.0129	88.45
#3	103.3	.0526	.1131	1.384	.00601	.0221	87.85

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2059	.0698	2.713	235.8	7.985	38.64	3.597
SDev	.0008	.0018	.021	2.1	.021	.21	.021
%RSD	.3706	2.565	.7709	.9039	.2650	.5382	.5732
#1	.2051	.0678	2.691	238.2	7.979	38.46	3.578
#2	.2064	.0712	2.733	234.2	8.009	38.87	3.619
#3	.2064	.0704	2.714	235.0	7.968	38.61	3.593

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0018	.2706	12.95	L-.0816	.0013	1.099	.0247
SDev	.0049	.0046	.46	.0158	.0006	.009	.0197
%RSD	268.6	1.720	3.533	19.33	42.96	.7925	79.57
#1	L-.0022	.2746	12.44	L-.0961	.0016	1.107	.0364
#2	L-.0065	.2655	13.11	L-.0839	.0006	1.099	.0357
#3	.0033	.2716	13.31	L-.0648	.0016	1.090	.0020

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2539	6.209	.0771	L-.0016	.0229	17.59	8.562
SDev	.0014	.042	.0013	.0503	.0022	.04	.110
%RSD	.5675	.6754	1.669	3127.	9.644	.2166	1.290
#1	.2524	6.172	.0778	.0030	.0254	17.56	8.438
#2	.2553	6.255	.0778	.0463	.0212	17.63	8.601
#3	.2541	6.201	.0756	L-.0541	.0221	17.58	8.648

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.517	.3301	.6251	1.271	.0829	.0299
SDev	.040	.0027	.0116	.008	.0014	.0002
%RSD	.4240	.8210	1.854	.6624	1.624	.5812
#1	9.481	.3272	.6182	1.262	.0821	.0301
#2	9.561	.3326	.6385	1.279	.0844	.0298
#3	9.509	.3303	.6186	1.272	.0821	.0298

Method: STD_MTD Sample Name: 022803S 100 Operator: NR1
Run Time: 05/06/02 21:11:44
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	126.5	.3559	.6180	2.400	.50436	.5128	97.62
SDev	.9	.0107	.0207	.022	.00325	.0073	.65
%RSD	.6901	3.007	3.346	.9089	.64439	1.425	.6641
#1	125.5	.3438	.6071	2.375	.50062	.5044	96.90
#2	126.9	.3640	.6418	2.410	.50593	.5168	97.79
#3	127.1	.3599	.6050	2.415	.50652	.5173	98.16

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.201	1.089	3.846	255.8	9.149	52.29	4.618
SDev	.007	.008	.032	1.5	.077	.35	.031
%RSD	.5769	.7700	.8237	.5907	.8403	.6628	.6715
#1	1.193	1.080	3.809	255.8	9.070	51.89	4.583
#2	1.205	1.092	3.860	254.2	9.156	52.47	4.629
#3	1.206	1.095	3.868	257.3	9.223	52.51	4.642

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0769	.7972	24.09	.4083	.4941	10.98	.9568
SDev	.0047	.0085	.29	.0024	.0048	.09	.0338
%RSD	6.173	1.071	1.203	.5791	.9790	.7956	3.531
#1	.0715	.7877	24.09	.4074	.4886	10.89	.9185
#2	.0793	.7999	24.38	.4064	.4976	11.06	.9824
#3	.0800	.8042	23.80	.4109	.4962	11.00	.9694

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7745	8.458	.9916	.4926	.5007	21.38	9.787
SDev	.0058	.057	.0139	.0180	.0038	.05	.084
%RSD	.7437	.6768	1.402	3.648	.7665	.2279	.8628
#1	.7681	8.395	.9760	.5128	.4965	21.32	9.718
#2	.7765	8.474	1.003	.4866	.5040	21.40	9.762
#3	.7791	8.506	.9961	.4784	.5015	21.41	9.881

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.61	.8578	1.557	1.925	1.060	.1131
SDev	.08	.0079	.009	.016	.009	.0009
%RSD	.6002	.9180	.5719	.8317	.8817	.8132
#1	12.53	.8488	1.558	1.907	1.050	.1123
#2	12.64	.8611	1.548	1.929	1.061	.1129
#3	12.67	.8635	1.566	1.938	1.069	.1141

Method: STD_MTD Sample Name: 022803X 100 Operator: NR1
Run Time: 05/06/02 21:15:48
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	123.9	.3761	.6323	2.334	.50430	.5167	97.82
SDev	.6	.0107	.0150	.018	.00198	.0005	.38
%RSD	.4956	2.845	2.370	.7635	.39190	.0915	.3887
#1	123.2	.3802	.6196	2.314	.50221	.5172	97.38
#2	124.0	.3842	.6488	2.339	.50456	.5167	98.00
#3	124.5	.3640	.6285	2.349	.50614	.5162	98.08

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.224	1.089	3.663	247.3	8.867	52.30	4.564
SDev	.007	.004	.021	.9	.032	.23	.021
%RSD	.6033	.3469	.5855	.3519	.3659	.4476	.4591
#1	1.216	1.084	3.640	246.6	8.832	52.05	4.541
#2	1.227	1.091	3.667	248.3	8.896	52.35	4.569
#3	1.230	1.091	3.683	247.1	8.871	52.51	4.583

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0729	.8740	24.61	.3888	.4910	10.90	.9289
SDev	.0091	.0098	.35	.0290	.0021	.06	.0317
%RSD	12.51	1.121	1.440	7.451	.4205	.5407	3.417
#1	.0793	.8700	24.51	.3583	.4886	10.84	.8933
#2	.0625	.8852	25.00	.3922	.4924	10.91	.9391
#3	.0769	.8669	24.31	.4160	.4919	10.96	.9542

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7707	8.171	1.015	.4847	.5004	20.95	9.277
SDev	.0050	.029	.007	.0119	.0035	.17	.098
%RSD	.6480	.3543	.6697	2.457	.6966	.7922	1.051
#1	.7652	8.139	1.009	.4953	.4965	20.83	9.306
#2	.7720	8.179	1.023	.4718	.5015	20.88	9.168
#3	.7750	8.195	1.014	.4872	.5032	21.14	9.357

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.52	.8278	1.503	1.972	1.054	.0968
SDev	.07	.0055	.017	.011	.007	.0007
%RSD	.6413	.6607	1.098	.5775	.7106	.7179
#1	11.44	.8219	1.488	1.959	1.045	.0960
#2	11.56	.8288	1.501	1.975	1.057	.0972
#3	11.57	.8326	1.521	1.980	1.059	.0972

Method: STD_MTD Sample Name: 022804 100 Operator: NR1
Run Time: 05/06/02 21:21:45
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	127.2	.1874	.1734	1.082	.00735	.0087	58.15
SDev	2.5	.0084	.0478	.024	.00010	.0010	.90
%RSD	1.965	4.493	27.55	2.228	1.3768	11.28	1.539
#1	125.2	.1779	.2080	1.059	.00730	.0098	57.43
#2	126.4	.1941	.1189	1.079	.00728	.0079	57.86
#3	130.0	.1901	.1934	1.107	.00746	.0084	59.15

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1760	.0935	2.422	277.9	7.920	40.39	5.821
SDev	.0035	.0031	.050	2.2	.108	.64	.105
%RSD	2.006	3.352	2.054	.7953	1.359	1.581	1.803
#1	.1723	.0912	2.379	277.4	7.834	39.88	5.734
#2	.1763	.0923	2.411	280.3	7.886	40.18	5.793
#3	.1793	.0971	2.477	276.0	8.041	41.10	5.938

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0041	.2052	12.72	L-.0965	L-.0023	.9179	L-.0508
SDev	.0125	.0111	.53	.0273	.0071	.0106	.0083
%RSD	302.4	5.404	4.147	28.31	309.0	1.156	16.32
#1	L-.0066	.1924	12.44	L-.1071	.0051	.9123	L-.0481
#2	L-.0152	.2112	13.33	L-.0655	L-.0029	.9113	L-.0442
#3	.0094	.2119	12.39	L-.1169	L-.0091	.9301	L-.0601

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2985	3.592	.0644	.0042	.0221	5.505	2.758
SDev	.0058	.063	.0080	.0235	.0058	.051	.055
%RSD	1.930	1.756	12.47	566.4	26.25	.9260	1.992
#1	.2930	3.544	.0734	L-.0214	.0188	5.448	2.695
#2	.2980	3.569	.0622	.0250	.0188	5.520	2.795
#3	.3045	3.663	.0578	.0088	.0288	5.546	2.785

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.798	.2717	.4873	1.546	.1135	.0343
SDev	.163	.0060	.0028	.031	.0000	.0013
%RSD	1.666	2.205	.5777	1.984	.0016	3.824
#1	9.680	.2668	.4894	1.519	.1135	.0352
#2	9.729	.2699	.4841	1.539	.1135	.0349
#3	9.984	.2784	.4883	1.579	.1135	.0328

Method: STD_MTD Sample Name: 022805 100 Operator: NR1
Run Time: 05/06/02 21:25:48
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	114.1	.0472	.1025	.8594	.00605	.0096	277.2
SDev	1.2	.0191	.0102	.0096	.00000	.0006	2.2
%RSD	1.038	40.51	9.987	1.113	.03959	6.719	.7917
#1	114.1	.0324	.0915	.8615	.00605	.0090	277.4
#2	112.9	.0404	.1044	.8490	.00605	.0096	274.9
#3	115.3	.0688	.1117	.8678	.00605	.0103	279.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1880	.0761	1.896	238.0	4.080	60.97	4.798
SDev	.0030	.0025	.019	1.4	.015	.61	.043
%RSD	1.578	3.310	.9990	.6084	.3629	1.006	.8925
#1	.1908	.0784	1.898	237.4	4.075	60.97	4.801
#2	.1849	.0767	1.876	237.0	4.069	60.36	4.754
#3	.1884	.0734	1.913	239.7	4.097	61.59	4.840

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0092	.2301	16.08	L-.1049	L-.0008	.5403	L-.0128
SDev	.0095	.0095	.48	.0157	.0027	.0186	.0115
%RSD	102.8	4.136	2.975	14.98	353.4	3.441	89.60
#1	L-.0077	.2362	16.64	L-.0868	.0024	.5586	L-.0219
#2	L-.0194	.2192	15.80	L-.1142	L-.0023	.5408	.0001
#3	L-.0006	.2350	15.81	L-.1138	L-.0024	.5215	L-.0165

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2382	3.484	.0771	L-.0368	.0190	8.532	7.221
SDev	.0009	.027	.0056	.0411	.0000	.063	.129
%RSD	.3989	.7873	7.266	111.5	.0461	.7353	1.792
#1	.2390	3.479	.0823	L-.0837	.0190	8.578	7.128
#2	.2371	3.460	.0778	L-.0074	.0190	8.460	7.165
#3	.2385	3.514	.0712	L-.0193	.0190	8.557	7.368

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.21	.3299	.5335	1.067	.1073	.0440
SDev	.09	.0039	.0059	.010	.0014	.0009
%RSD	.9210	1.174	1.112	.9582	1.257	2.088
#1	10.21	.3299	.5278	1.069	.1081	.0448
#2	10.12	.3260	.5397	1.055	.1058	.0430
#3	10.30	.3338	.5331	1.076	.1081	.0442

Method: STD_MTD Sample Name: 022806 100 Operator: NR1
Run Time: 05/06/02 21:29:52
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	113.2	.0391	.0927	.8468	.00606	.0093	287.4
SDev	1.0	.0153	.0466	.0075	.00001	.0018	2.2
%RSD	.8514	39.16	50.26	.8889	.08964	19.37	.7742
#1	113.0	.0324	.0639	.8447	.00606	.0094	286.7
#2	114.2	.0566	.1465	.8552	.00606	.0074	289.9
#3	112.3	.0283	.0678	.8406	.00605	.0110	285.7

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1924	.0747	1.867	236.0	3.935	60.54	4.627
SDev	.0006	.0011	.013	1.8	.031	.47	.039
%RSD	.3147	1.438	.6722	.7730	.7832	.7782	.8372
#1	.1918	.0736	1.864	237.5	3.918	60.48	4.621
#2	.1926	.0749	1.881	234.0	3.971	61.03	4.668
#3	.1929	.0757	1.857	236.5	3.917	60.10	4.592

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0030	.2379	16.34	L-.0922	L-.0019	.5561	L-.0042
SDev	.0092	.0052	.47	.0222	.0008	.0141	.0192
%RSD	310.6	2.179	2.894	24.05	44.36	2.543	454.8
#1	L-.0026	.2326	16.14	L-.1088	L-.0023	.5406	L-.0085
#2	.0060	.2429	15.99	L-.1009	L-.0023	.5595	L-.0209
#3	L-.0124	.2381	16.87	L-.0670	L-.0009	.5682	.0167

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2359	3.379	.0704	.0144	.0168	8.532	6.962
SDev	.0022	.023	.0034	.0078	.0019	.079	.093
%RSD	.9130	.6834	4.830	53.86	11.53	.9221	1.334
#1	.2335	3.370	.0667	.0121	.0157	8.480	6.985
#2	.2364	3.405	.0712	.0081	.0190	8.623	7.041
#3	.2377	3.361	.0734	.0231	.0157	8.494	6.859

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.85	.3390	.5087	1.085	.1074	.0405
SDev	.08	.0031	.0107	.009	.0018	.0017
%RSD	.7011	.9249	2.105	.8491	1.662	4.222
#1	10.82	.3385	.4977	1.086	.1070	.0400
#2	10.94	.3423	.5190	1.094	.1093	.0391
#3	10.79	.3361	.5094	1.076	.1058	.0424

Method: STD_MTD Sample Name: 022807 100 Operator: NR1
Run Time: 05/06/02 21:33:56
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	115.0	.0431	.0798	.8718	.00601	.0103	563.4
SDev	.8	.0084	.0029	.0064	.00012	.0004	2.3
%RSD	.7039	19.52	3.614	.7316	1.9149	3.930	.4064
#1	115.6	.0364	.0767	.8773	.00607	.0099	564.6
#2	115.3	.0404	.0803	.8732	.00607	.0106	564.8
#3	114.0	.0526	.0824	.8648	.00587	.0106	560.8

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1739	.0772	2.025	224.7	2.685	72.19	5.090
SDev	.0014	.0019	.016	2.5	.020	.51	.029
%RSD	.7818	2.464	.7795	1.130	.7507	.7006	.5693
#1	.1727	.0753	2.036	222.0	2.670	72.55	5.110
#2	.1737	.0772	2.033	227.0	2.676	72.40	5.104
#3	.1754	.0791	2.007	225.2	2.708	71.61	5.057

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0050	.2338	12.81	L-.1127	L-.0060	.6396	.0180
SDev	.0104	.0130	.37	.0020	.0032	.0132	.0583
%RSD	206.9	5.572	2.900	1.738	53.68	2.071	324.3
#1	L-.0170	.2192	12.54	L-.1105	L-.0085	.6250	.0688
#2	.0002	.2442	12.65	L-.1135	L-.0071	.6510	.0307
#3	.0017	.2381	13.24	L-.1142	L-.0024	.6426	L-.0456

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2301	2.741	.0548	L-.0149	.0167	5.707	4.227
SDev	.0006	.016	.0034	.0220	.0022	.048	.105
%RSD	.2693	.5914	6.213	148.2	13.29	.8381	2.487
#1	.2304	2.749	.0578	L-.0088	.0192	5.736	4.306
#2	.2294	2.751	.0556	L-.0393	.0158	5.733	4.267
#3	.2306	2.722	.0511	.0035	.0150	5.652	4.107

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.759	.5502	.3831	1.060	.1098	.0326
SDev	.059	.0043	.0043	.005	.0000	.0021
%RSD	.6073	.7752	1.124	.5073	.0042	6.483
#1	9.806	.5531	.3830	1.064	.1098	.0304
#2	9.778	.5523	.3875	1.062	.1098	.0328
#3	9.693	.5453	.3788	1.054	.1098	.0346

Method: STD_MTD Sample Name: 022770 100 Operator: NR1
Run Time: 05/06/02 17:11:55
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	118.7	.0512	.1182	.9966	.00663	.0007	43.16
SDev	.5	.0084	.0040	.0043	.00000	.0044	.08
%RSD	.3844	16.43	3.384	.4365	.06134	612.9	.1960
#1	118.2	.0485	.1136	.9918	.00663	L-.0032	43.15
#2	119.1	.0607	.1199	1.000	.00663	L-.0001	43.24
#3	118.9	.0445	.1211	.9980	.00663	.0055	43.08

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1578	.0791	1.131	264.1	2.685	33.32	4.217
SDev	.0001	.0008	.003	2.0	.007	.08	.009
%RSD	.0520	1.014	.2858	.7667	.2767	.2382	.2192
#1	.1579	.0793	1.127	262.2	2.679	33.24	4.208
#2	.1577	.0782	1.134	266.2	2.693	33.40	4.227
#3	.1578	.0798	1.132	263.7	2.682	33.31	4.216

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.1989	12.21	L-.1114	L-.0061	.4356	.0082
SDev	.0064	.0066	.31	.0047	.0009	.0184	.0624
%RSD	4194.	3.305	2.517	4.262	15.58	4.229	756.1
#1	L-.0014	.2064	12.30	L-.1094	L-.0061	.4543	.0198
#2	L-.0053	.1960	12.46	L-.1080	L-.0070	.4350	L-.0591
#3	.0072	.1942	11.86	L-.1168	L-.0051	.4175	.0640

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2432	2.158	.0266	.0120	.0253	9.308	5.281
SDev	.0016	.006	.0022	.0220	.0058	.022	.035
%RSD	.6635	.2806	8.378	182.8	22.86	.2330	.6585
#1	.2419	2.152	.0244	.0044	.0320	9.291	5.290
#2	.2427	2.164	.0288	.0368	.0220	9.301	5.310
#3	.2450	2.159	.0266	L-.0051	.0220	9.332	5.242

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.68	.1743	.2304	.9668	.0851	.0429
SDev	.05	.0008	.0104	.0029	.0007	.0058
%RSD	.4536	.4423	4.500	.2997	.7903	13.56
#1	10.63	.1735	.2263	.9635	.0855	.0497
#2	10.73	.1750	.2422	.9685	.0855	.0397
#3	10.69	.1743	.2227	.9685	.0843	.0394

Method: STD_MTD Sample Name: 022771 100 Operator: NR1
Run Time: 05/06/02 17:15:58
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	118.2	.0054	.0960	1.001	.00664	.0035	43.97
SDev	.7	.0062	.0154	.005	.00001	.0064	.21
%RSD	.6272	114.6	16.03	.4821	.10942	181.1	.4868
#1	117.7	.0121	.0853	.9980	.00664	L-.0004	43.80
#2	117.9	.0000	.1136	.9980	.00664	.0000	43.90
#3	119.1	.0040	.0890	1.006	.00663	.0108	44.21

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1584	.0796	1.179	259.8	2.766	33.30	4.133
SDev	.0031	.0010	.010	3.2	.014	.16	.023
%RSD	1.962	1.234	.8605	1.244	.4926	.4943	.5649
#1	.1563	.0798	1.175	259.5	2.750	33.17	4.115
#2	.1570	.0804	1.173	256.8	2.772	33.23	4.125
#3	.1620	.0785	1.191	263.2	2.775	33.48	4.160

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0038	.2054	12.42	L-.0990	.0007	.4732	.0227
SDev	.0047	.0043	.64	.0426	.0036	.0010	.0259
%RSD	126.2	2.105	5.137	43.03	505.3	.2037	114.3
#1	L-.0081	.2015	12.24	L-.0684	.0043	.4733	.0362
#2	L-.0045	.2045	11.90	L-.1476	.0005	.4741	.0391
#3	.0013	.2100	13.13	L-.0808	L-.0028	.4721	L-.0072

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2414	2.195	.0318	L-.0231	.0226	9.754	5.328
SDev	.0029	.013	.0064	.0332	.0034	.065	.066
%RSD	1.193	.5927	20.23	143.9	15.00	.6675	1.244
#1	.2412	2.183	.0244	.0140	.0220	9.711	5.314
#2	.2386	2.193	.0355	L-.0502	.0195	9.722	5.269
#3	.2444	2.208	.0355	L-.0330	.0262	9.829	5.400

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.576	.1768	.2290	.9718	.0840	.0360
SDev	.068	.0018	.0025	.0073	.0007	.0014
%RSD	.7134	1.007	1.088	.7502	.8014	3.860
#1	9.545	.1758	.2313	.9685	.0832	.0376
#2	9.529	.1758	.2293	.9668	.0843	.0352
#3	9.654	.1789	.2263	.9802	.0843	.0352

Method: STD_MTD Sample Name: 022772 100 1 Operator: NR1
Run Time: 05/06/02 17:19:59
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	123.7	.0445	.1357	1.335	.00649	.0101	43.29
SDev	1.1	.0162	.0134	.013	.00011	.0018	.25
%RSD	.8805	36.36	9.845	.9433	1.7192	17.76	.5836
#1	123.8	.0445	.1203	1.337	.00636	.0120	43.34
#2	124.7	.0283	.1442	1.347	.00655	.0084	43.51
#3	122.6	.0607	.1426	1.322	.00655	.0100	43.02

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1671	.0845	2.292	266.9	4.526	32.98	4.099
SDev	.0005	.0042	.019	2.0	.030	.25	.031
%RSD	.3104	4.994	.8316	.7492	.6532	.7446	.7547
#1	.1676	.0832	2.294	267.9	4.505	33.02	4.102
#2	.1670	.0811	2.310	268.1	4.559	33.20	4.128
#3	.1666	.0893	2.272	264.6	4.513	32.72	4.066

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0063	.1913	11.12	L-.1320	L-.0031	.6918	.0120
SDev	.0091	.0062	.97	.0135	.0027	.0182	.0506
%RSD	144.6	3.222	8.687	10.21	88.07	2.637	423.2
#1	L-.0023	.1875	10.36	L-.1204	L-.0023	.6976	L-.0454
#2	.0001	.1984	10.80	L-.1468	L-.0061	.7065	.0308
#3	L-.0167	.1881	12.21	L-.1288	L-.0008	.6714	.0505

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2743	3.074	.0400	L-.0040	.0184	8.325	3.206
SDev	.0011	.024	.0080	.0331	.0005	.063	.103
%RSD	.4172	.7765	20.08	831.9	2.612	.7604	3.203
#1	.2731	3.078	.0377	.0309	.0187	8.381	3.224
#2	.2744	3.095	.0333	L-.0079	.0178	8.336	3.299
#3	.2754	3.048	.0489	L-.0349	.0187	8.256	3.096

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.996	.2533	.3858	1.112	.0669	.0299
SDev	.082	.0019	.0066	.008	.0000	.0020
%RSD	.9143	.7662	1.698	.7519	.0008	6.550
#1	9.007	.2536	.3916	1.112	.0669	.0298
#2	9.073	.2551	.3871	1.121	.0669	.0280
#3	8.909	.2513	.3787	1.104	.0669	.0319

Method: STD_MTD Sample Name: 022773 100 Operator: NR1
Run Time: 05/06/02 17:24:02
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	98.20	.0391	.0807	.7472	.00524	.0151	77.33
SDev	.72	.0237	.0148	.0063	.00011	.0047	.61
%RSD	.7329	60.62	18.32	.8388	2.1006	30.94	.7924
#1	97.46	.0121	.0743	.7409	.00511	.0099	76.69
#2	98.24	.0566	.0702	.7472	.00530	.0188	77.39
#3	98.90	.0485	.0977	.7534	.00530	.0167	77.92

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1811	.0743	1.777	216.7	4.167	43.20	5.221
SDev	.0024	.0017	.014	1.6	.057	.32	.042
%RSD	1.301	2.289	.8046	.7306	1.357	.7397	.8001
#1	.1786	.0738	1.763	215.8	4.102	42.88	5.178
#2	.1833	.0761	1.777	215.8	4.189	43.21	5.224
#3	.1814	.0728	1.791	218.5	4.209	43.52	5.261

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.2117	13.99	L-.1121	.0003	.5224	L-.0092
SDev	.0034	.0027	.61	.0334	.0012	.0096	.0161
%RSD	1032.	1.298	4.373	29.77	407.9	1.833	175.6
#1	.0033	.2088	13.91	L-.1255	.0005	.5319	.0071
#2	.0010	.2119	14.64	L-.1366	L-.0010	.5227	L-.0251
#3	L-.0033	.2143	13.43	L-.0741	.0014	.5127	L-.0094

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2217	3.755	.0585	.0017	.0168	9.867	6.236
SDev	.0016	.027	.0026	.0225	.0041	.048	.074
%RSD	.7363	.7218	4.391	1324.	24.50	.4882	1.190
#1	.2198	3.728	.0600	L-.0212	.0188	9.815	6.154
#2	.2229	3.754	.0600	.0026	.0121	9.877	6.256
#3	.2224	3.783	.0556	.0237	.0196	9.910	6.299

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.580	.1951	.4924	1.251	.0871	.0258
SDev	.070	.0019	.0145	.010	.0013	.0018
%RSD	.7358	.9965	2.945	.7688	1.544	7.132
#1	9.502	.1931	.4819	1.242	.0879	.0238
#2	9.597	.1954	.4863	1.251	.0856	.0274
#3	9.640	.1969	.5089	1.261	.0879	.0262

Method: STD_MTD Sample Name: 022774 100 Operator: NR1
Run Time: 05/06/02 17:28:06
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	133.7	.0485	.1222	1.050	.00720	.0080	289.0
SDev	.6	.0202	.0127	.005	.00012	.0017	.9
%RSD	.4495	41.67	10.40	.5005	1.6009	21.57	.3248
#1	134.4	.0283	.1129	1.056	.00714	.0060	289.8
#2	133.6	.0688	.1169	1.050	.00733	.0091	289.1
#3	133.2	.0485	.1367	1.045	.00713	.0089	288.0

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1869	.1062	1.845	277.1	2.193	118.0	5.615
SDev	.0018	.0002	.008	2.6	.014	.5	.022
%RSD	.9389	.2113	.4520	.9459	.6416	.4164	.3890
#1	.1871	.1061	1.854	274.1	2.206	118.6	5.637
#2	.1886	.1060	1.841	279.1	2.196	117.8	5.614
#3	.1851	.1064	1.839	278.1	2.178	117.7	5.593

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0031	.2675	15.57	L-.1016	L-.0058	.9184	L-.0149
SDev	.0062	.0166	.81	.0342	.0039	.0142	.0161
%RSD	202.6	6.202	5.233	33.61	67.19	1.542	108.1
#1	.0001	.2862	16.04	L-.1246	L-.0100	.9221	.0037
#2	.0103	.2545	14.63	L-.1179	L-.0048	.9027	L-.0242
#3	L-.0011	.2618	16.05	L-.0624	L-.0025	.9303	L-.0243

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2784	2.327	.0622	.0032	.0182	6.295	2.819
SDev	.0017	.010	.0059	.0451	.0022	.028	.123
%RSD	.5991	.4439	9.476	1424.	12.14	.4396	4.355
#1	.2770	2.338	.0644	L-.0488	.0157	6.325	2.847
#2	.2779	2.326	.0555	.0264	.0190	6.287	2.685
#3	.2803	2.318	.0666	.0319	.0198	6.272	2.925

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.35	.4848	.2898	1.601	.1279	.0444
SDev	.05	.0021	.0017	.006	.0000	.0013
%RSD	.3795	.4221	.5935	.3945	.0015	2.819
#1	12.41	.4872	.2914	1.607	.1279	.0430
#2	12.34	.4841	.2880	1.600	.1279	.0454
#3	12.32	.4833	.2899	1.595	.1279	.0448

Method: STD_MTD Sample Name: 022775 100 Operator: NR1
Run Time: 05/06/02 17:32:09
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	95.63	.0431	.0854	1.036	.00632	.0108	72.20
SDev	1.39	.0204	.0161	.018	.00001	.0015	1.01
%RSD	1.455	47.19	18.82	1.759	.10998	14.25	1.397
#1	96.60	.0647	.1039	1.048	.00632	.0098	72.99
#2	96.24	.0404	.0747	1.044	.00632	.0126	72.55
#3	94.03	.0243	.0776	1.015	.00633	.0101	71.06

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2518	.0571	1.712	165.1	4.079	32.37	2.382
SDev	.0031	.0018	.026	1.1	.055	.47	.035
%RSD	1.219	3.207	1.494	.6655	1.358	1.448	1.480
#1	.2536	.0582	1.730	163.9	4.137	32.74	2.409
#2	.2535	.0550	1.724	166.0	4.074	32.53	2.394
#3	.2483	.0581	1.683	165.5	4.026	31.84	2.342

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0026	.1991	10.73	L-.0676	.0018	.5318	.0052
SDev	.0062	.0107	.23	.0149	.0014	.0188	.0188
%RSD	235.7	5.364	2.174	22.01	80.39	3.539	358.6
#1	.0045	.1997	10.55	L-.0567	.0032	.5108	L-.0164
#2	L-.0068	.2094	10.99	L-.0615	.0018	.5375	.0144
#3	L-.0056	.1881	10.65	L-.0846	.0003	.5471	.0177

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2085	3.885	.0415	.0252	.0128	11.83	7.523
SDev	.0028	.057	.0056	.0264	.0052	.21	.225
%RSD	1.323	1.470	13.51	104.7	40.92	1.779	2.992
#1	.2109	3.927	.0467	.0462	.0186	11.99	7.680
#2	.2092	3.907	.0355	.0337	.0111	11.90	7.624
#3	.2055	3.820	.0422	L-.0044	.0086	11.59	7.265

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.73	.2562	.4306	.8174	.0984	.0337
SDev	.15	.0041	.0085	.0114	.0012	.0024
%RSD	1.355	1.595	1.973	1.393	1.186	6.973
#1	10.85	.2593	.4393	.8263	.0984	.0352
#2	10.78	.2577	.4301	.8213	.0995	.0310
#3	10.57	.2516	.4224	.8045	.0972	.0349

Method: STD_MTD Sample Name: 022776 100 Operator: NR1
Run Time: 05/06/02 17:36:13
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	134.0	.0566	.1838	1.858	.00899	.0055	57.77
SDev	.9	.0121	.0098	.014	.00001	.0043	.35
%RSD	.6828	21.43	5.327	.7439	.05705	78.64	.6007
#1	134.2	.0688	.1950	1.863	.00899	.0005	57.82
#2	133.0	.0566	.1773	1.842	.00899	.0080	57.40
#3	134.7	.0445	.1790	1.868	.00898	.0080	58.08

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1797	.0833	1.842	246.4	2.620	28.82	4.119
SDev	.0023	.0024	.012	2.4	.021	.17	.027
%RSD	1.272	2.877	.6385	.9920	.8006	.5808	.6526
#1	.1806	.0823	1.846	247.4	2.628	28.88	4.128
#2	.1771	.0815	1.828	248.2	2.596	28.64	4.089
#3	.1813	.0860	1.851	243.6	2.636	28.96	4.141

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0075	.1970	11.86	L-.1061	L-.0014	1.021	L-.0113
SDev	.0016	.0067	.99	.0124	.0014	.019	.0192
%RSD	20.97	3.407	8.382	11.66	95.61	1.830	168.9
#1	L-.0090	.2003	12.20	L-.0981	.0001	1.020	L-.0309
#2	L-.0074	.2015	10.74	L-.1203	L-.0022	1.002	L-.0105
#3	L-.0059	.1893	12.64	L-.0998	L-.0022	1.040	.0074

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3265	2.565	.0652	L-.0165	.0264	10.47	3.271
SDev	.0020	.018	.0072	.0133	.0046	.04	.047
%RSD	.6230	.6861	10.98	80.40	17.43	.4121	1.446
#1	.3264	2.567	.0622	L-.0303	.0312	10.52	3.239
#2	.3246	2.547	.0600	L-.0152	.0261	10.44	3.248
#3	.3286	2.582	.0734	L-.0039	.0220	10.46	3.325

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.80	.6248	.2623	1.248	.0824	.0299
SDev	.06	.0045	.0119	.009	.0014	.0009
%RSD	.5724	.7230	4.544	.6973	1.633	2.906
#1	10.81	.6266	.2734	1.251	.0832	.0304
#2	10.73	.6196	.2497	1.239	.0809	.0304
#3	10.85	.6281	.2638	1.255	.0832	.0289

Method: STD_MTD Sample Name: 022777 100 Operator: NR1
Run Time: 05/06/02 17:40:16
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	108.7	.0216	.1053	.5690	.00464	.0091	32.74
SDev	.5	.0093	.0111	.0043	.00012	.0003	.12
%RSD	.4197	43.30	10.52	.7645	2.4815	3.623	.3515
#1	108.3	.0324	.1165	.5676	.00470	.0092	32.63
#2	108.7	.0162	.0944	.5655	.00471	.0087	32.74
#3	109.2	.0162	.1049	.5739	.00451	.0093	32.86

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1779	.0619	1.365	209.6	2.891	26.53	2.957
SDev	.0018	.0017	.009	1.3	.013	.09	.012
%RSD	.9865	2.779	.6282	.5998	.4637	.3500	.3973
#1	.1783	.0635	1.360	208.7	2.878	26.44	2.945
#2	.1759	.0601	1.359	209.1	2.905	26.53	2.957
#3	.1794	.0620	1.374	211.0	2.890	26.62	2.968

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0018	.1789	8.956	L-.0758	L-.0009	.6128	.0123
SDev	.0059	.0060	.423	.0083	.0022	.0050	.0163
%RSD	335.2	3.354	4.729	10.93	254.8	.8139	132.6
#1	L-.0010	.1857	9.035	L-.0833	.0017	.6070	L-.0025
#2	.0037	.1771	8.499	L-.0669	L-.0021	.6159	.0297
#3	L-.0080	.1741	9.334	L-.0772	L-.0021	.6154	.0097

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2234	2.802	.0274	.0046	.0183	5.443	3.904
SDev	.0013	.011	.0056	.0280	.0034	.024	.007
%RSD	.5697	.4101	20.48	613.3	18.50	.4357	.1905
#1	.2244	2.791	.0333	L-.0276	.0152	5.416	3.896
#2	.2220	2.801	.0266	.0240	.0177	5.460	3.909
#3	.2239	2.814	.0222	.0173	.0219	5.452	3.909

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.09	.0956	.3496	.9094	.0618	.0270
SDev	.04	.0008	.0035	.0035	.0007	.0013
%RSD	.3312	.8065	.9972	.3829	1.088	4.643
#1	11.05	.0956	.3526	.9066	.0610	.0280
#2	11.10	.0948	.3458	.9083	.0622	.0256
#3	11.12	.0964	.3506	.9133	.0622	.0274

Method: STD_MTD Sample Name: 022778 100 Operator: NR1
Run Time: 05/06/02 17:44:20
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.5	.0499	.1108	.8561	.00537	.0097	207.7
SDev	1.3	.0223	.0308	.0107	.00011	.0005	2.1
%RSD	1.218	44.66	27.79	1.252	2.0889	4.982	.9930
#1	102.2	.0485	.0806	.8471	.00530	.0101	205.5
#2	104.7	.0283	.1096	.8680	.00549	.0097	209.5
#3	103.5	.0728	.1422	.8533	.00530	.0092	208.2

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1859	.0661	1.948	199.5	3.274	88.89	3.578
SDev	.0026	.0009	.024	2.9	.024	1.09	.040
%RSD	1.375	1.435	1.227	1.475	.7451	1.222	1.128
#1	.1851	.0668	1.925	198.2	3.246	87.77	3.536
#2	.1887	.0665	1.973	197.4	3.285	89.94	3.616
#3	.1838	.0650	1.947	202.9	3.291	88.95	3.584

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0037	.1865	10.32	L-.0797	L-.0030	.6369	.0075
SDev	.0058	.0083	.61	.0124	.0027	.0147	.0085
%RSD	157.1	4.437	5.944	15.51	90.55	2.306	112.4
#1	L-.0014	.1820	10.98	L-.0917	L-.0022	.6496	.0047
#2	.0006	.1960	10.20	L-.0805	L-.0060	.6402	.0009
#3	L-.0104	.1814	9.775	L-.0670	L-.0008	.6208	.0171

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2230	3.259	.0519	L-.0062	.0150	6.138	3.436
SDev	.0011	.034	.0046	.0116	.0019	.056	.095
%RSD	.5111	1.046	8.942	187.4	12.82	.9135	2.753
#1	.2233	3.223	.0533	.0056	.0161	6.084	3.340
#2	.2239	3.290	.0467	L-.0065	.0127	6.196	3.529
#3	.2217	3.265	.0556	L-.0177	.0161	6.135	3.438

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.74	.3184	.3364	1.198	.0924	.0292
SDev	.14	.0039	.0118	.016	.0018	.0016
%RSD	1.158	1.216	3.519	1.332	1.929	5.455
#1	11.60	.3145	.3324	1.183	.0905	.0310
#2	11.87	.3223	.3497	1.214	.0940	.0286
#3	11.75	.3184	.3271	1.196	.0928	.0280

Method: STD_MTD Sample Name: 022779 100 Operator: NR1
Run Time: 05/06/02 17:48:23
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	96.97	.0661	.1228	.8891	.00560	.0122	134.5
SDev	1.00	.0306	.0473	.0104	.00021	.0037	.6
%RSD	1.034	46.36	38.50	1.175	3.7640	30.60	.4605
#1	97.78	.0526	.1097	.8995	.00548	.0103	133.8
#2	95.85	.1011	.1752	.8786	.00585	.0165	134.8
#3	97.29	.0445	.0834	.8891	.00549	.0098	134.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2553	.0741	2.065	210.6	4.653	70.65	4.085
SDev	.0063	.0084	.017	1.3	.085	.61	.015
%RSD	2.454	11.38	.8428	.6257	1.816	.8637	.3716
#1	.2521	.0706	2.081	209.3	4.572	71.18	4.088
#2	.2626	.0837	2.046	210.7	4.740	69.98	4.069
#3	.2514	.0680	2.067	211.9	4.648	70.79	4.099

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0054	.2029	13.28	L-.0644	.0019	.5759	.0333
SDev	.0039	.0095	.83	.0304	.0038	.0469	.0231
%RSD	71.87	4.675	6.258	47.24	206.4	8.140	69.34
#1	L-.0084	.2039	12.66	L-.0709	.0025	.5489	.0505
#2	L-.0010	.2119	14.23	L-.0313	.0053	.5488	.0424
#3	L-.0069	.1930	12.96	L-.0911	L-.0023	.6300	.0071

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2330	4.073	.0548	L-.0229	.0122	7.341	5.063
SDev	.0070	.017	.0013	.0569	.0034	.049	.036
%RSD	3.005	.4100	2.337	248.1	27.72	.6608	.7131
#1	.2305	4.078	.0533	L-.0590	.0158	7.285	5.095
#2	.2409	4.054	.0555	L-.0524	.0116	7.366	5.024
#3	.2276	4.086	.0556	.0426	.0091	7.372	5.072

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.04	.1970	.4483	1.207	.0946	.0351
SDev	.09	.0019	.0034	.010	.0037	.0064
%RSD	.7753	.9812	.7666	.7992	3.957	18.19
#1	11.09	.1990	.4446	1.217	.0973	.0322
#2	10.94	.1952	.4489	1.198	.0904	.0424
#3	11.08	.1967	.4514	1.206	.0962	.0307

Method: STD_MTD Sample Name: 022780 100 Operator: NR1
Run Time: 05/06/02 17:52:27
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	121.5	.0634	.1084	.8983	.00626	.0076	300.7
SDev	.9	.0047	.0153	.0064	.00011	.0011	1.8
%RSD	.7720	7.370	14.10	.7100	1.8113	14.85	.6005
#1	121.3	.0607	.1066	.8969	.00620	.0087	300.3
#2	122.5	.0607	.1245	.9053	.00619	.0076	302.7
#3	120.7	.0688	.0941	.8928	.00639	.0065	299.1

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1698	.0900	1.497	252.9	1.629	109.2	4.145
SDev	.0017	.0011	.012	2.5	.018	.9	.029
%RSD	1.015	1.259	.8203	.9760	1.134	.7888	.7014
#1	.1679	.0907	1.493	252.0	1.621	109.0	4.141
#2	.1703	.0887	1.511	251.0	1.650	110.1	4.176
#3	.1712	.0907	1.487	255.7	1.615	108.5	4.118

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0034	.2216	13.77	L-.1076	L-.0054	.7818	L-.0303
SDev	.0034	.0180	.56	.0067	.0033	.0058	.0247
%RSD	99.61	8.115	4.053	6.182	61.22	.7363	81.43
#1	L-.0054	.2222	13.13	L-.1129	L-.0023	.7852	L-.0051
#2	L-.0054	.2393	14.01	L-.1001	L-.0089	.7852	L-.0544
#3	.0005	.2033	14.17	L-.1099	L-.0051	.7752	L-.0315

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2589	1.791	.0451	L-.0133	.0161	5.175	2.193
SDev	.0015	.014	.0056	.0284	.0029	.048	.037
%RSD	.5891	.7925	12.41	212.7	18.23	.9361	1.670
#1	.2572	1.787	.0444	L-.0190	.0130	5.166	2.196
#2	.2602	1.807	.0399	.0174	.0164	5.227	2.154
#3	.2592	1.779	.0511	L-.0385	.0189	5.131	2.227

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.26	.4308	.1666	1.479	.1093	.0410
SDev	.08	.0031	.0017	.010	.0000	.0024
%RSD	.7391	.7269	1.005	.7069	.0033	5.929
#1	11.25	.4303	.1677	1.474	.1093	.0382
#2	11.35	.4341	.1674	1.491	.1093	.0424
#3	11.19	.4279	.1647	1.472	.1093	.0424

Method: STD_MTD Sample Name: 022781 100 Operator: NR1
Run Time: 05/06/02 17:56:30
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.6	.0553	.1359	.7661	.00606	.0033	33.00
SDev	1.1	.0084	.0220	.0072	.00011	.0047	.26
%RSD	.9562	15.23	16.17	.9448	1.7608	145.4	.7887
#1	111.9	.0485	.1162	.7619	.00600	.0008	32.83
#2	111.9	.0647	.1320	.7619	.00599	.0087	32.88
#3	113.8	.0526	.1596	.7745	.00618	.0002	33.30

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1507	.0828	1.184	245.0	1.867	32.24	3.936
SDev	.0045	.0027	.014	3.5	.019	.25	.033
%RSD	2.984	3.278	1.179	1.421	1.023	.7708	.8473
#1	.1464	.0797	1.178	248.9	1.848	32.12	3.919
#2	.1502	.0837	1.175	242.2	1.886	32.08	3.915
#3	.1554	.0849	1.200	244.0	1.866	32.53	3.975

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0064	.1792	12.26	L-.0929	.0014	.3022	L-.0355
SDev	.0029	.0034	.49	.0046	.0032	.0218	.0012
%RSD	45.88	1.873	3.981	4.925	232.3	7.224	3.282
#1	L-.0081	.1814	11.73	L-.0876	.0025	.2770	L-.0366
#2	L-.0030	.1753	12.69	L-.0951	.0039	.3152	L-.0343
#3	L-.0081	.1808	12.36	L-.0959	L-.0022	.3145	L-.0357

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2620	1.625	.0288	L-.0053	.0175	5.890	4.227
SDev	.0029	.015	.0039	.0343	.0019	.070	.024
%RSD	1.125	.9383	13.39	646.7	11.03	1.182	.5716
#1	.2602	1.613	.0311	L-.0155	.0153	5.866	4.199
#2	.2605	1.619	.0244	.0330	.0186	5.836	4.237
#3	.2654	1.642	.0310	L-.0334	.0186	5.969	4.244

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.254	.1238	.2160	1.172	.0723	.0344
SDev	.064	.0009	.0062	.011	.0013	.0009
%RSD	.6882	.7204	2.884	.9176	1.860	2.672
#1	9.218	.1233	.2114	1.164	.0738	.0334
#2	9.218	.1233	.2135	1.168	.0715	.0346
#3	9.328	.1249	.2231	1.184	.0715	.0352

Method: STD_MTD Sample Name: 022782 100 Operator: NR1
Run Time: 05/06/02 18:00:34
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	175.5	.0391	.1913	1.312	.01205	.0032	24.87
SDev	1.3	.0324	.0316	.013	.00012	.0014	.14
%RSD	.7392	82.97	16.50	.9559	.96119	43.36	.5531
#1	176.7	.0728	.1878	1.324	.01212	.0038	25.00
#2	175.7	.0081	.2245	1.312	.01212	.0016	24.88
#3	174.1	.0364	.1617	1.299	.01192	.0042	24.73

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2082	.1751	.4332	362.4	.4634	53.83	8.384
SDev	.0015	.0012	.0017	1.1	.0077	.36	.056
%RSD	.7249	.6765	.3882	.2996	1.662	.6639	.6705
#1	.2093	.1738	.4332	363.6	.4547	54.16	8.436
#2	.2064	.1760	.4349	361.4	.4662	53.89	8.391
#3	.2088	.1756	.4316	362.2	.4694	53.45	8.324

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0017	.3203	16.27	L-.1159	L-.0047	.3247	.0286
SDev	.0040	.0107	1.19	.0338	.0016	.0192	.0307
%RSD	230.6	3.344	7.327	29.11	34.69	5.921	107.5
#1	.0027	.3081	14.97	L-.1293	L-.0038	.3090	.0626
#2	L-.0028	.3246	16.53	L-.1409	L-.0038	.3188	.0030
#3	L-.0051	.3282	17.32	L-.0775	L-.0066	.3461	.0200

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3402	1.067	.0346	L-.0465	.0089	3.254	1.085
SDev	.0009	.008	.0026	.0441	.0058	.017	.039
%RSD	.2625	.7563	7.439	94.82	64.85	.5204	3.575
#1	.3393	1.076	.0376	.0012	.0123	3.240	1.058
#2	.3404	1.063	.0331	L-.0548	.0022	3.248	1.066
#3	.3410	1.061	.0331	L-.0857	.0123	3.273	1.129

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.759	.1446	.0304	1.328	.1538	.0649
SDev	.048	.0012	.0073	.011	.0014	.0023
%RSD	.5485	.8149	24.11	.8222	.8746	3.511
#1	8.799	.1456	.0336	1.339	.1554	.0623
#2	8.771	.1448	.0355	1.326	.1530	.0659
#3	8.706	.1433	.0220	1.317	.1530	.0665

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 18:06:30
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.924	.0445	.9778	1.960	1.0011	1.011	20.69
SDev	.039	.0040	.0056	.024	.0118	.012	.21
%RSD	.9926	9.091	.5694	1.231	1.1776	1.235	1.010
#1	3.918	.0445	.9757	1.946	.99376	1.003	20.56
#2	3.889	.0404	.9736	1.946	.99474	1.003	20.58
#3	3.966	.0485	.9841	1.988	1.0147	1.025	20.93

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.025	2.094	1.967	4.004	2.102	19.80	2.043
SDev	.021	.018	.023	.038	.016	.21	.022
%RSD	1.056	.8722	1.155	.9613	.7393	1.053	1.092
#1	2.010	2.083	1.954	3.985	2.085	19.68	2.029
#2	2.015	2.085	1.954	3.980	2.115	19.68	2.031
#3	2.049	2.115	1.993	4.049	2.106	20.04	2.068

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3443	1.049	18.70	.9961	.9942	19.58	2.116
SDev	.0006	.002	.49	.0280	.0120	.27	.019
%RSD	.1695	.2325	2.618	2.814	1.207	1.380	.8772
#1	.3445	1.046	18.52	1.009	.9898	19.42	2.098
#2	.3437	1.051	19.25	1.015	.9850	19.43	2.115
#3	.3448	1.049	18.32	.9639	1.008	19.90	2.135

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.011	4.003	1.985	1.012	.0028	10.19	-.0047
SDev	.011	.042	.030	.041	.0022	.09	.0227
%RSD	1.091	1.054	1.526	4.063	79.17	.8551	482.6
#1	1.003	3.976	1.961	1.058	.0019	10.10	.0177
#2	1.006	3.981	1.974	.9789	.0053	10.19	-.0278
#3	1.024	4.052	2.019	.9998	.0011	10.27	-.0040

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0290	.9780	-.0079	.0011	1.970	-.0033
SDev	.0013	.0122	.0035	.0010	.021	.0000
%RSD	4.558	1.251	44.21	86.60	1.042	.0000
#1	-.0274	.9705	-.0043	.0017	1.957	-.0033
#2	-.0297	.9713	-.0113	.0017	1.959	-.0033
#3	-.0297	.9921	-.0081	.0000	1.993	-.0033

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 18:10:30
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0254	.9787	-.0058	.0000	-.00013	-.0006	-.0205
SDev	.0074	.0202	.0038	.0012	.00011	.0001	.0059
%RSD	29.36	2.066	66.22	1959000.	84.433	9.669	28.54
#1	.0263	.9787	-.0035	-.0007	-.00025	-.0006	-.0269
#2	.0323	.9585	-.0036	.0014	-.00007	-.0006	-.0193
#3	.0175	.9989	-.0102	-.0007	-.00006	-.0005	-.0154

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	.0022	.0003	20.41	-.0053	2.046	-.0003
SDev	.0034	.0047	.0037	.20	.0154	.022	.0003
%RSD	425.6	214.5	1100.	.9838	288.8	1.065	87.27
#1	-.0047	-.0031	-.0034	20.60	-.0229	2.068	-.0006
#2	.0017	.0057	.0040	20.20	.0061	2.024	-.0001
#3	.0006	.0040	.0003	20.44	.0008	2.047	-.0003

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0057	-.6167	-.0044	.0109	.0336	-.1189
SDev	.0004	.0053	.4432	.0139	.0036	.0368	.0160
%RSD	304.6	92.79	71.86	311.9	33.00	109.4	13.47
#1	-.0005	-.0026	-1.121	-.0178	.0068	.0003	-.1009
#2	-.0001	-.0026	-.2913	.0099	.0134	.0731	-.1246
#3	.0003	-.0118	-.4374	-.0054	.0124	.0276	-.1314

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0016	-.0039	-.0007	-.0048	1.009	.0197	1.994
SDev	.0025	.0005	.0026	.0139	.005	.0041	.056
%RSD	162.4	12.99	344.0	290.6	.5062	20.61	2.797
#1	-.0044	-.0034	-.0022	-.0187	1.015	.0239	2.056
#2	.0005	-.0043	.0022	.0091	1.005	.0158	1.948
#3	-.0007	-.0042	-.0022	-.0048	1.008	.0194	1.977

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.924	.0003	2.071	1.975	.0016	1.973
SDev	.016	.0004	.024	.021	.0000	.016
%RSD	.8150	173.4	1.143	1.080	.0008	.8323
#1	1.935	-.0003	2.086	1.996	.0016	1.987
#2	1.906	.0005	2.044	1.954	.0016	1.955
#3	1.930	.0005	2.083	1.976	.0016	1.977

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 18:16:24
Comment: 0502 SSX2 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0027	.0108	-.0059	Q.0014	.00006	-.0010	-.0051
SDev	.0253	.0153	.0108	.0000	.00011	.0006	.0059
%RSD	945.5	142.0	182.4	.0013	177.42	63.89	114.7
#1	.0289	.0283	.0013	Q.0014	.00013	-.0014	-.0000
#2	-.0216	.0040	-.0184	Q.0014	.00013	-.0003	-.0038
#3	.0007	.0000	-.0007	Q.0014	-.00007	-.0013	-.0115

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0016	.0001	.0005	-.0048	.0003	.0004
SDev	.0009	.0005	.0014	.0014	.0157	.0001	.0003
%RSD	152.6	32.77	1212.	305.6	324.1	57.74	65.46
#1	.0002	-.0020	.0003	.0017	.0127	.0002	.0007
#2	-.0004	-.0010	.0013	-.0011	-.0175	.0004	.0001
#3	-.0016	-.0017	-.0013	.0008	-.0097	.0002	.0005

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0061	-.7008	-.0087	-.0019	.0606	.0040
SDev	.0028	.0055	.7828	.0196	.0036	.0273	.0243
%RSD	135.0	89.63	111.7	223.8	187.7	45.00	614.4
#1	-.0044	-.0026	Q-1.467	.0133	-.0017	.0879	-.0056
#2	.0010	-.0032	.0978	-.0239	-.0055	.0333	-.0141
#3	-.0029	Q-.0124	-.7334	-.0156	.0016	.0606	.0316

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0000	-.0007	.0209	-.0011	.0027	.0059
SDev	.0009	.0006	.0046	.0205	.0014	.0070	.0396
%RSD	91.65	2279.	626.8	98.22	130.0	262.5	675.3
#1	.0008	-.0003	.0045	.0320	-.0020	-.0023	-.0116
#2	.0020	-.0003	-.0045	-.0028	.0006	-.0003	-.0220
#3	.0002	.0007	-.0022	.0334	-.0020	.0106	.0511

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0404	-.0000	-.0001	-.0006	Q.0023	.0015
SDev	.0013	.0004	.0067	.0010	.0027	.0018
%RSD	3.268	868300.	6301.	173.2	115.5	120.0
#1	-.0412	-.0003	-.0066	-.0017	Q.0039	-.0003
#2	-.0412	.0005	-.0005	.0000	-.0008	.0033
#3	-.0389	-.0003	.0068	.0000	Q.0039	.0015

Method: STD_MTD Sample Name: BL0502 100 Operator: NR1
Run Time: 05/06/02 18:20:25
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	.0067	-.0001	.0021	-.00007	.0003	.0807
SDev	.0072	.0163	.0105	.0012	.00000	.0002	.0067
%RSD	84.73	242.5	15040.	57.74	5.4742	58.89	8.252
#1	.0168	.0243	.0036	.0035	-.00007	.0002	.0769
#2	.0040	.0040	.0081	.0014	-.00007	.0001	.0884
#3	.0047	-.0081	-.0119	.0014	-.00007	.0004	.0769

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0002	.0010	H.0473	.0017	.0080	.0009
SDev	.0009	.0017	.0012	.0018	.0132	.0001	.0001
%RSD	91.62	750.9	120.2	3.896	759.6	1.843	11.58
#1	.0019	.0010	.0013	H.0491	-.0084	.0081	.0008
#2	.0008	.0014	.0020	H.0473	.0167	.0081	.0008
#3	.0002	-.0017	-.0003	H.0454	-.0031	.0079	.0010

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	-.0061	.0327	-.0253	.0019	-.1515	.0197
SDev	.0038	.0045	.4543	.0132	.0038	.0052	.0256
%RSD	169.4	73.71	1389.	51.99	200.4	3.465	129.7
#1	-.0056	-.0026	.2446	-.0101	-.0017	-.1575	-.0090
#2	-.0029	-.0045	.3423	-.0322	.0016	-.1485	.0400
#3	.0018	-.0112	-.4888	-.0336	.0058	-.1485	.0282

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0018	.0034	-.0000	.0237	.0025	.0279	-.0061
SDev	.0015	.0000	.0022	.0151	.0032	.0049	.0066
%RSD	83.80	.5868	595900.	63.61	126.2	17.52	108.0
#1	.0020	.0034	-.0022	.0195	-.0011	.0335	-.0107
#2	.0032	.0034	.0022	.0111	.0039	.0251	-.0091
#3	.0002	.0034	.0000	.0404	.0047	.0251	.0015

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0320	.0003	.0015	.0006	.0023	.0037
SDev	.0020	.0004	.0075	.0010	.0014	.0021
%RSD	6.186	172.7	513.2	173.2	57.73	56.95
#1	-.0343	-.0003	.0077	.0000	.0039	.0039
#2	-.0309	.0005	.0036	.0017	.0016	.0057
#3	-.0309	.0005	-.0069	.0000	.0016	.0015

Method: STD_MTD Sample Name: BL0502S 100 Operator: NR1
Run Time: 05/06/02 18:24:28
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.978	.5096	.4805	.9877	.49978	.4950	10.11
SDev	.008	.0146	.0154	.0042	.00262	.0002	.05
%RSD	.3829	2.862	3.214	.4231	.52447	.0476	.5226
#1	1.974	.5136	.4694	.9877	.50110	.4951	10.10
#2	1.972	.4934	.4739	.9835	.49677	.4951	10.07
#3	1.986	.5217	.4982	.9919	.50148	.4947	10.17

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9983	1.027	.9912	11.90	.9976	10.78	1.005
SDev	.0051	.007	.0059	.05	.0178	.05	.005
%RSD	.5113	.6377	.5978	.4469	1.785	.4332	.4858
#1	.9970	1.025	.9929	11.91	1.015	10.79	1.006
#2	.9940	1.022	.9845	11.85	.9980	10.73	1.000
#3	1.004	1.035	.9960	11.95	.9796	10.82	1.010

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0652	.5106	9.676	.4796	.5021	9.796	.9510
SDev	.0038	.0088	.224	.0157	.0032	.041	.0215
%RSD	5.820	1.727	2.318	3.268	.6283	.4182	2.264
#1	.0611	.5062	9.725	.4842	.5037	9.799	.9369
#2	.0662	.5050	9.431	.4621	.4985	9.753	.9403
#3	.0685	.5208	9.872	.4925	.5042	9.835	.9757

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4992	1.960	.9880	.4815	.4931	4.968	.9895
SDev	.0046	.011	.0072	.0321	.0038	.036	.0200
%RSD	.9198	.5573	.7236	6.669	.7649	.7244	2.023
#1	.4986	1.963	.9850	.5177	.4892	4.997	.9787
#2	.4950	1.948	.9828	.4703	.4933	4.927	.9773
#3	.5041	1.969	.9962	.4564	.4967	4.979	1.013

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.8928	.4939	.9796	.9696	.9769	.9643
SDev	.0077	.0031	.0098	.0059	.0047	.0037
%RSD	.8661	.6305	1.002	.6058	.4819	.3835
#1	L.8854	.4944	.9720	.9701	.9777	.9628
#2	L.8922	.4905	.9761	.9635	.9719	.9616
#3	.9008	.4967	.9906	.9752	.9812	.9686

Method: STD_MTD Sample Name: BL0502X 100 Operator: NR1
Run Time: 05/06/02 18:28:32
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.022	.5311	.4802	1.009	.51043	.5065	10.36
SDev	.014	.0237	.0076	.012	.00501	.0108	.12
%RSD	.7016	4.462	1.578	1.140	.98156	2.140	1.129
#1	2.011	.5136	.4714	.9960	.50465	.4951	10.23
#2	2.038	H.5581	.4845	1.017	.51351	.5167	10.45
#3	2.018	.5217	.4847	1.015	.51313	.5078	10.40

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.021	1.049	1.011	12.26	1.033	11.03	1.028
SDev	.012	.013	.011	.14	.013	.11	.011
%RSD	1.182	1.197	1.090	1.120	1.252	1.003	1.060
#1	1.009	1.035	.9997	12.11	1.019	10.90	1.015
#2	1.033	1.060	1.022	12.36	1.044	11.11	1.035
#3	1.023	1.051	1.013	12.33	1.037	11.08	1.033

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0670	.5285	9.954	.4790	.5124	10.02	1.010
SDev	.0041	.0082	.444	.0200	.0024	.16	.034
%RSD	6.123	1.548	4.460	4.171	.4653	1.605	3.368
#1	.0630	.5226	9.628	.4593	.5099	9.844	.9741
#2	.0669	.5251	10.46	.4785	.5127	10.16	1.042
#3	.0712	.5379	9.775	.4993	.5146	10.04	1.015

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5079	2.002	1.011	.5001	.5081	5.068	1.023
SDev	.0058	.020	.011	.0453	.0017	.076	.046
%RSD	1.139	.9906	1.129	9.055	.3431	1.509	4.506
#1	.5023	1.979	.9984	.4509	.5067	4.988	1.050
#2	.5138	2.014	1.021	.5094	.5101	5.075	.9694
#3	.5077	2.013	1.014	.5400	.5076	5.140	1.048

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.9208	.5049	1.013	1.001	.9998	.9971
SDev	.0166	.0058	.017	.012	.0123	.0125
%RSD	1.803	1.155	1.642	1.232	1.233	1.254
#1	.9037	.4982	.9947	.9869	.9859	.9842
#2	.9368	.5090	1.017	1.010	1.009	1.009
#3	.9219	.5075	1.027	1.005	1.005	.9978

Method: STD_MTD Sample Name: ERA249 100 Operator: NR1
Run Time: 05/06/02 18:34:29
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	64.85	.3289	1.307	7.979	.96931	.5628	116.5
SDev	1.24	.0284	.022	.159	.01901	.0122	2.0
%RSD	1.912	8.636	1.720	1.998	1.9610	2.165	1.752
#1	63.54	.2993	1.281	7.812	.94905	.5508	114.4
#2	65.01	.3316	1.316	7.995	.97214	.5624	116.7
#3	66.01	.3559	1.324	8.130	.98675	.5752	118.5

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.476	.5304	1.603	129.7	.5517	26.64	4.779
SDev	.024	.0092	.032	.9	.0137	.47	.088
%RSD	1.643	1.739	2.018	.6899	2.474	1.761	1.833
#1	1.450	.5214	1.568	129.6	.5462	26.15	4.688
#2	1.480	.5298	1.607	130.6	.5418	26.69	4.785
#3	1.498	.5398	1.633	128.8	.5673	27.08	4.863

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0100	.5765	31.37	.6393	1.457	7.444	1.171
SDev	.0039	.0106	.79	.0185	.028	.159	.033
%RSD	39.25	1.847	2.506	2.894	1.896	2.136	2.811
#1	.0145	.5647	30.64	.6275	1.428	7.286	1.207
#2	.0070	.5793	31.27	.6298	1.460	7.440	1.163
#3	.0086	.5854	32.20	.6606	1.483	7.604	1.142

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3308	6.260	.6777	-.0030	1.191	10.86	6.300
SDev	.0073	.108	.0156	.0176	.022	.21	.160
%RSD	2.211	1.733	2.306	584.4	1.812	1.954	2.545
#1	.3231	6.143	.6629	.0032	1.167	10.62	6.132
#2	.3317	6.279	.6763	-.0229	1.197	10.94	6.317
#3	.3377	6.358	.6941	.0107	1.208	11.02	6.451

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.397	.8862	.8201	1.348	.0814	.0609
SDev	.179	.0182	.0192	.025	.0018	.0033
%RSD	1.904	2.049	2.337	1.837	2.189	5.444
#1	9.219	.8675	.7986	1.322	.0810	.0647
#2	9.395	.8875	.8265	1.351	.0798	.0593
#3	9.577	.9037	.8353	1.372	.0833	.0587

Method: STD_MTD Sample Name: 022783 100 Operator: NR1
Run Time: 05/06/02 18:38:32
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.9	.0175	.1212	.8803	.00611	.0089	47.41
SDev	1.0	.0084	.0078	.0107	.00011	.0001	.30
%RSD	.8958	48.04	6.463	1.218	1.8077	1.218	.6229
#1	113.0	.0243	.1194	.8831	.00617	.0089	47.41
#2	113.9	.0202	.1144	.8893	.00617	.0090	47.70
#3	111.9	.0081	.1298	.8685	.00598	.0087	47.11

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1595	.0760	1.712	247.6	2.759	33.82	3.503
SDev	.0025	.0014	.017	1.7	.006	.25	.028
%RSD	1.561	1.789	1.001	.7040	.2260	.7338	.8077
#1	.1606	.0745	1.715	247.2	2.752	33.83	3.504
#2	.1611	.0770	1.728	249.5	2.762	34.06	3.531
#3	.1566	.0766	1.694	246.0	2.763	33.57	3.475

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.1974	13.73	L-.1121	L-.0003	.3134	.0019
SDev	.0033	.0085	.38	.0455	.0016	.0006	.0120
%RSD	321.6	4.325	2.754	40.58	553.1	.1947	646.0
#1	L-.0026	.1978	13.54	L-.0623	.0007	.3135	.0131
#2	.0036	.2058	13.49	L-.1225	.0006	.3128	.0033
#3	.0021	.1887	14.17	L-.1515	L-.0022	.3140	L-.0108

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2684	2.555	.0459	L-.0195	.0184	8.559	6.633
SDev	.0016	.019	.0093	.0122	.0029	.053	.090
%RSD	.5832	.7607	20.20	62.35	15.98	.6249	1.351
#1	.2698	2.551	.0533	L-.0334	.0212	8.532	6.551
#2	.2687	2.576	.0489	L-.0109	.0187	8.621	6.729
#3	.2667	2.537	.0355	L-.0142	.0153	8.525	6.619

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.875	.1851	.3208	1.137	.0723	.0350
SDev	.057	.0015	.0130	.011	.0007	.0021
%RSD	.7250	.8340	4.044	.9573	.9307	6.038
#1	7.866	.1851	.3096	1.137	.0727	.0370
#2	7.936	.1866	.3178	1.147	.0727	.0352
#3	7.823	.1835	.3350	1.126	.0715	.0328

Method: STD_MTD Sample Name: 022783D 100 Operator: NR1
Run Time: 05/06/02 18:42:36
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	112.3	.0391	.1068	.8650	.00592	.0062	46.92
SDev	.4	.0223	.0311	.0032	.00011	.0051	.21
%RSD	.3851	56.97	29.12	.3690	1.8093	82.80	.4507
#1	111.8	.0607	.1056	.8643	.00580	.0003	46.68
#2	112.3	.0404	.1385	.8622	.00598	.0086	47.02
#3	112.7	.0162	.0763	.8685	.00599	.0096	47.06

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1649	.0709	1.681	242.1	2.722	33.57	3.223
SDev	.0027	.0032	.006	3.4	.026	.14	.014
%RSD	1.637	4.440	.3480	1.418	.9712	.4160	.4395
#1	.1634	.0688	1.674	238.5	2.692	33.41	3.207
#2	.1680	.0746	1.683	242.2	2.743	33.63	3.227
#3	.1632	.0695	1.685	245.4	2.731	33.67	3.234

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.1783	13.49	L-.0859	L-.0009	.3060	.0013
SDev	.0035	.0066	.07	.0359	.0022	.0177	.0277
%RSD	691.1	3.696	.4932	41.84	245.1	5.774	2209.
#1	L-.0007	.1857	13.56	L-.1270	.0016	.2888	L-.0275
#2	L-.0022	.1729	13.47	L-.0606	L-.0022	.3241	.0035
#3	.0044	.1765	13.43	L-.0700	L-.0022	.3050	.0277

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2629	2.532	.0377	L-.0454	.0156	8.426	6.570
SDev	.0031	.011	.0022	.0177	.0005	.044	.031
%RSD	1.187	.4466	5.899	38.94	3.105	.5172	.4674
#1	.2597	2.519	.0355	L-.0354	.0153	8.391	6.600
#2	.2659	2.537	.0377	L-.0658	.0162	8.475	6.538
#3	.2630	2.540	.0400	L-.0350	.0153	8.412	6.573

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.931	.1828	.3229	1.168	.0719	.0339
SDev	.036	.0008	.0086	.004	.0007	.0019
%RSD	.4553	.4225	2.675	.3307	.9344	5.637
#1	7.891	.1820	.3329	1.166	.0727	.0328
#2	7.960	.1828	.3175	1.166	.0715	.0361
#3	7.943	.1835	.3184	1.173	.0715	.0328

Method: STD_MTD Sample Name: 022783S 100 Operator: NR1
Run Time: 05/06/02 18:46:40
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	135.3	.2966	.6122	1.860	.50803	.5045	56.13
SDev	.2	.0182	.0264	.001	.00059	.0008	.17
%RSD	.1462	6.149	4.309	.0648	.11650	.1686	.3001
#1	135.2	.2952	.6377	1.861	.50789	.5039	56.19
#2	135.1	.2791	.5850	1.859	.50752	.5055	55.94
#3	135.5	.3154	.6138	1.861	.50868	.5042	56.26

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.163	1.095	2.666	255.8	3.695	45.33	4.345
SDev	.005	.006	.005	2.0	.038	.10	.008
%RSD	.4330	.5730	.1909	.7984	1.019	.2305	.1767
#1	1.165	1.101	2.664	255.2	3.706	45.37	4.347
#2	1.157	1.089	2.662	254.1	3.653	45.22	4.336
#3	1.166	1.096	2.672	258.1	3.726	45.42	4.351

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0696	.7062	23.94	.3823	.4981	10.24	.9773
SDev	.0106	.0100	.13	.0231	.0025	.03	.0257
%RSD	15.16	1.419	.5416	6.051	.5032	.3062	2.634
#1	.0581	.7176	23.79	.3655	.4990	10.23	.9749
#2	.0789	.6987	24.03	.3727	.4952	10.21	.9528
#3	.0718	.7024	23.99	.4087	.5000	10.27	1.004

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7814	4.660	.9411	.4917	.4922	12.17	7.335
SDev	.0050	.002	.0034	.0208	.0052	.02	.060
%RSD	.6469	.0401	.3605	4.229	1.061	.1524	.8187
#1	.7826	4.659	.9448	.4744	.4880	12.17	7.334
#2	.7759	4.658	.9382	.5148	.4906	12.16	7.396
#3	.7858	4.661	.9404	.4858	.4981	12.20	7.276

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.75	.6864	1.231	1.706	1.055	.2347
SDev	.04	.0004	.010	.004	.003	.0015
%RSD	.3143	.0650	.8177	.2316	.2549	.6582
#1	11.75	.6866	1.240	1.708	1.057	.2351
#2	11.71	.6859	1.221	1.702	1.052	.2330
#3	11.79	.6866	1.233	1.709	1.057	.2360

Method: STD_MTD Sample Name: 022783X 100 Operator: NR1
Run Time: 05/06/02 18:50:43
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	128.6	.2939	.6071	1.826	.50221	.4993	54.83
SDev	1.4	.0062	.0352	.022	.00582	.0057	.48
%RSD	1.121	2.102	5.790	1.187	1.1592	1.150	.8733
#1	129.8	.2993	.6383	1.845	.50694	.5039	55.26
#2	127.0	.2952	.5690	1.802	.49571	.4928	54.32
#3	128.9	.2871	.6140	1.830	.50398	.5010	54.91

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.146	1.083	2.624	249.5	3.650	44.08	4.208
SDev	.013	.007	.030	1.3	.033	.41	.044
%RSD	1.095	.6850	1.128	.5164	.8935	.9336	1.047
#1	1.156	1.089	2.649	248.4	3.683	44.43	4.246
#2	1.131	1.074	2.591	250.9	3.618	43.63	4.160
#3	1.150	1.084	2.631	249.3	3.648	44.17	4.217

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0771	.7034	22.46	.3907	.4904	10.06	.9516
SDev	.0044	.0025	.66	.0169	.0010	.10	.0600
%RSD	5.773	.3501	2.956	4.315	.2011	.9573	6.300
#1	.0734	.7030	21.77	.4098	.4900	10.13	.9773
#2	.0758	.7060	23.09	.3845	.4896	9.953	.8831
#3	.0820	.7012	22.50	.3778	.4915	10.10	.9944

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7646	4.554	.9211	.4441	.4916	11.90	7.172
SDev	.0063	.044	.0130	.0260	.0051	.19	.150
%RSD	.8204	.9724	1.416	5.858	1.041	1.556	2.085
#1	.7696	4.597	.9359	.4716	.4972	12.10	7.275
#2	.7575	4.508	.9114	.4405	.4872	11.73	7.000
#3	.7666	4.557	.9159	.4200	.4905	11.86	7.241

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.81	.6738	1.219	1.620	1.044	.2374
SDev	.10	.0082	.026	.018	.012	.0009
%RSD	.9354	1.212	2.121	1.112	1.123	.3874
#1	10.89	.6812	1.241	1.638	1.055	.2372
#2	10.69	.6651	1.190	1.602	1.031	.2366
#3	10.84	.6751	1.225	1.622	1.045	.2384

Method: STD_MTD Sample Name: 022784 100 Operator: NR1
Run Time: 05/06/02 18:56:40
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	108.3	.0580	.1257	.8510	.00587	.0061	45.27
SDev	.5	.0130	.0114	.0043	.00011	.0046	.17
%RSD	.4586	22.43	9.044	.5111	1.9101	74.14	.3718
#1	108.9	.0728	.1190	.8559	.00600	.0009	45.47
#2	108.0	.0526	.1192	.8496	.00580	.0089	45.18
#3	108.1	.0485	.1388	.8476	.00580	.0086	45.18

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1525	.0680	1.644	242.4	2.721	32.58	3.220
SDev	.0021	.0009	.009	2.2	.010	.13	.013
%RSD	1.342	1.374	.5221	.9219	.3547	.4070	.4056
#1	.1528	.0676	1.654	239.9	2.731	32.73	3.235
#2	.1503	.0690	1.637	243.3	2.712	32.51	3.212
#3	.1544	.0673	1.640	244.1	2.720	32.50	3.212

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0051	.1743	12.12	L-.1122	L-.0015	.3034	.0128
SDev	.0012	.0085	.46	.0242	.0038	.0287	.0162
%RSD	23.48	4.899	3.832	21.54	250.3	9.453	126.6
#1	L-.0061	.1826	11.95	L-.0843	L-.0059	.2707	.0118
#2	L-.0038	.1655	11.76	L-.1253	.0007	.3153	L-.0029
#3	L-.0054	.1747	12.65	L-.1270	.0007	.3242	.0294

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2583	2.408	.0392	L-.0119	.0170	7.931	6.280
SDev	.0008	.007	.0013	.0149	.0014	.044	.057
%RSD	.3228	.2937	3.281	125.5	8.526	.5561	.9071
#1	.2592	2.416	.0400	.0044	.0161	7.926	6.333
#2	.2581	2.403	.0378	L-.0152	.0161	7.889	6.220
#3	.2575	2.406	.0400	L-.0249	.0186	7.977	6.288

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.266	.1766	.3189	1.123	.0700	.0351
SDev	.031	.0013	.0138	.005	.0007	.0002
%RSD	.3781	.7565	4.319	.4298	.9612	.4949
#1	8.301	.1781	.3290	1.129	.0704	.0352
#2	8.241	.1758	.3032	1.121	.0692	.0349
#3	8.256	.1758	.3245	1.121	.0704	.0352

Method: STD_MTD Sample Name: 022785 100 Operator: NR1
Run Time: 05/06/02 19:00:44
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	115.5	.0337	.1317	.8831	.00615	.0086	36.03
SDev	.6	.0130	.0278	.0055	.00001	.0004	.18
%RSD	.5584	38.57	21.10	.6260	.08622	4.808	.5036
#1	115.5	.0283	.1351	.8852	.00615	.0086	35.97
#2	114.9	.0485	.1024	.8768	.00615	.0090	35.88
#3	116.2	.0243	.1577	.8873	.00614	.0082	36.23

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1510	.0879	1.553	260.7	2.296	32.80	4.671
SDev	.0005	.0006	.009	2.2	.032	.16	.025
%RSD	.3553	.6915	.5984	.8626	1.374	.5028	.5431
#1	.1505	.0878	1.554	258.3	2.263	32.77	4.665
#2	.1510	.0874	1.543	262.8	2.298	32.66	4.649
#3	.1516	.0886	1.561	260.9	2.326	32.98	4.699

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0003	.1714	10.36	L-.0876	.0002	.3249	.0180
SDev	.0103	.0025	.66	.0099	.0014	.0144	.0162
%RSD	3282.	1.437	6.393	11.29	740.4	4.439	90.37
#1	.0110	.1729	11.07	L-.0841	.0005	.3376	.0181
#2	L-.0089	.1686	9.759	L-.0800	L-.0014	.3092	.0341
#3	L-.0031	.1729	10.24	L-.0988	.0015	.3277	.0016

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2791	1.905	.0310	L-.0166	.0189	5.739	3.051
SDev	.0021	.011	.0022	.0117	.0005	.016	.017
%RSD	.7530	.5509	7.179	70.45	2.564	.2843	.5451
#1	.2788	1.904	.0333	L-.0297	.0187	5.751	3.037
#2	.2772	1.895	.0310	L-.0129	.0187	5.720	3.070
#3	.2813	1.916	.0288	L-.0072	.0195	5.745	3.046

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.068	.1755	.2350	1.063	.0665	.0382
SDev	.054	.0012	.0069	.007	.0007	.0009
%RSD	.6723	.6715	2.914	.6361	1.012	2.362
#1	8.049	.1757	.2332	1.064	.0669	.0391
#2	8.026	.1742	.2426	1.055	.0657	.0382
#3	8.129	.1765	.2293	1.069	.0669	.0373

Method: STD_MTD Sample Name: 022786 100 Operator: NR1
Run Time: 05/06/02 19:04:48
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	44.81	.0755	.1833	1.219	.00411	.0328	763.1
SDev	.23	.0163	.0125	.006	.00020	.0038	3.4
%RSD	.5074	21.65	6.824	.4527	4.7946	11.71	.4488
#1	44.59	.0607	.1970	1.215	.00391	.0345	759.3
#2	44.79	.0728	.1804	1.217	.00430	.0355	764.1
#3	45.04	.0930	.1725	1.226	.00410	.0284	766.0

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2437	.0391	3.099	185.3	9.067	61.24	2.901
SDev	.0034	.0019	.016	1.0	.045	.30	.013
%RSD	1.407	4.886	.5215	.5395	.5015	.4879	.4514
#1	.2398	.0369	3.084	185.7	9.015	60.92	2.887
#2	.2464	.0400	3.096	186.0	9.101	61.31	2.903
#3	.2448	.0405	3.116	184.1	9.086	61.51	2.913

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.2242	7.015	L-.0668	L-.0042	.9502	.0217
SDev	.0052	.0040	.369	.0086	.0018	.0346	.0425
%RSD	516.2	1.768	5.259	12.90	42.72	3.645	195.9
#1	L-.0036	.2204	6.625	L-.0679	L-.0050	.9350	.0218
#2	L-.0000	.2283	7.359	L-.0749	L-.0055	.9257	.0641
#3	.0066	.2240	7.061	L-.0577	L-.0021	.9898	L-.0208

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1480	9.503	.1017	.0036	.0210	9.058	15.28
SDev	.0016	.043	.0068	.0277	.0017	.076	.08
%RSD	1.059	.4540	6.692	772.4	8.282	.8385	.5262
#1	.1468	9.454	.0957	L-.0183	.0224	8.979	15.19
#2	.1474	9.517	.1091	.0347	.0215	9.062	15.30
#3	.1498	9.537	.1002	L-.0057	.0190	9.131	15.35

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.262	.7410	.8110	1.021	.0737	.0190
SDev	.049	.0035	.0116	.004	.0007	.0008
%RSD	.5247	.4732	1.435	.4123	.9097	4.200
#1	9.208	.7376	.8139	1.017	.0741	.0184
#2	9.277	.7407	.7983	1.020	.0730	.0199
#3	9.302	.7446	.8210	1.025	.0741	.0187

Method: STD_MTD Sample Name: 022787 100 Operator: NR1
Run Time: 05/06/02 19:08:52
Comment: 0502 SSX3 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	78.82	.0714	.2282	1.438	.00784	.0076	126.6
SDev	.80	.0153	.0005	.016	.00011	.0000	1.1
%RSD	1.009	21.43	.1996	1.100	1.4491	.1639	.8415
#1	77.92	.0890	.2279	1.420	.00778	.0076	125.4
#2	79.13	.0607	.2280	1.445	.00777	.0076	126.8
#3	79.41	.0647	.2287	1.449	.00797	.0076	127.6

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1358	.0925	1.731	211.8	3.126	37.37	3.481
SDev	.0009	.0015	.016	1.1	.015	.31	.032
%RSD	.6711	1.616	.9390	.5040	.4866	.8354	.9259
#1	.1356	.0916	1.713	210.9	3.123	37.02	3.446
#2	.1367	.0943	1.740	211.5	3.113	37.46	3.488
#3	.1350	.0918	1.742	213.0	3.143	37.63	3.509

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0006	.2119	11.13	L-.0788	L-.0025	2.026	L-.0309
SDev	.0048	.0127	.57	.0245	.0008	.039	.0462
%RSD	825.1	5.985	5.079	31.14	32.59	1.939	149.4
#1	L-.0018	.2265	11.04	L-.0959	L-.0020	2.008	L-.0541
#2	L-.0026	.2039	11.73	L-.0507	L-.0035	1.999	L-.0609
#3	.0061	.2052	10.61	L-.0898	L-.0020	2.071	.0223

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4176	2.743	.0563	.0077	.0266	8.034	3.597
SDev	.0015	.023	.0046	.0237	.0043	.030	.102
%RSD	.3708	.8222	8.244	305.5	16.15	.3715	2.845
#1	.4160	2.717	.0600	.0094	.0254	8.000	3.491
#2	.4190	2.752	.0511	.0305	.0313	8.055	3.606
#3	.4179	2.760	.0578	L-.0167	.0229	8.047	3.695

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.995	.6075	.2168	1.381	.1000	.0378
SDev	.054	.0064	.0073	.013	.0007	.0003
%RSD	.6696	1.058	3.369	.9248	.6739	.9189
#1	7.937	.6003	.2219	1.367	.0997	.0376
#2	8.005	.6095	.2084	1.384	.0997	.0382
#3	8.043	.6126	.2200	1.392	.1008	.0376

Method: STD_MTD Sample Name: 022808 100 Operator: NR1
Run Time: 05/06/02 21:38:00
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	90.14	.0377	.0859	.7511	.00461	.0100	164.9
SDev	.78	.0084	.0128	.0091	.00011	.0002	1.0
%RSD	.8704	22.30	14.85	1.212	2.4473	2.033	.5924
#1	90.71	.0283	.0727	.7573	.00474	.0102	165.7
#2	89.25	.0445	.0869	.7406	.00455	.0100	163.8
#3	90.48	.0404	.0981	.7553	.00453	.0098	165.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1794	.0612	1.364	193.7	3.493	87.40	3.917
SDev	.0022	.0031	.013	1.4	.003	.76	.028
%RSD	1.228	5.086	.9620	.7267	.0761	.8739	.7105
#1	.1785	.0599	1.372	192.0	3.493	88.00	3.939
#2	.1778	.0590	1.348	194.5	3.491	86.54	3.886
#3	.1819	.0647	1.371	194.4	3.496	87.66	3.928

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0071	.1659	9.565	L-.0844	L-.0016	.6341	L-.0056
SDev	.0063	.0043	.338	.0117	.0032	.0155	.0082
%RSD	89.33	2.605	3.535	13.90	197.7	2.440	145.3
#1	L-.0139	.1668	9.757	L-.0907	L-.0051	.6162	.0025
#2	L-.0013	.1613	9.174	L-.0708	L-.0008	.6431	L-.0138
#3	L-.0060	.1698	9.763	L-.0916	.0011	.6429	L-.0055

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2108	3.918	.0578	L-.0181	.0174	8.205	6.759
SDev	.0031	.030	.0000	.0211	.0017	.098	.062
%RSD	1.473	.7562	.0090	117.1	9.916	1.195	.9247
#1	.2115	3.938	.0578	.0015	.0169	8.228	6.794
#2	.2074	3.884	.0578	L-.0405	.0194	8.098	6.687
#3	.2134	3.932	.0578	L-.0152	.0161	8.290	6.795

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.35	.2104	.5320	1.080	.0757	.0316
SDev	.06	.0024	.0026	.011	.0013	.0016
%RSD	.5555	1.123	.4889	1.054	1.776	5.040
#1	10.39	.2125	.5346	1.089	.0741	.0298
#2	10.28	.2078	.5294	1.067	.0764	.0322
#3	10.37	.2109	.5319	1.084	.0764	.0328

Method: STD_MTD Sample Name: 022809 100 Operator: NR1
Run Time: 05/06/02 21:42:03
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	102.4	.0216	.0761	.6544	.00474	.0020	120.9
SDev	1.6	.0117	.0255	.0128	.00001	.0005	1.6
%RSD	1.568	54.13	33.51	1.950	.10661	23.69	1.314
#1	100.7	.0283	.0657	.6405	.00475	.0021	119.2
#2	102.5	.0081	.1051	.6572	.00474	.0023	121.1
#3	103.9	.0283	.0574	.6655	.00474	.0014	122.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1251	.0680	.8411	199.9	1.592	62.63	3.107
SDev	.0009	.0004	.0131	1.3	.021	.97	.046
%RSD	.7181	.5698	1.560	.6668	1.295	1.549	1.466
#1	.1244	.0681	.8278	198.4	1.571	61.64	3.060
#2	.1249	.0676	.8416	201.0	1.612	62.68	3.111
#3	.1261	.0683	.8540	200.2	1.594	63.58	3.150

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.1521	6.678	L-.0804	L-.0034	.4912	.0431
SDev	.0008	.0038	.494	.0274	.0040	.0472	.0238
%RSD	229.9	2.501	7.391	34.10	116.8	9.613	55.25
#1	.0010	.1552	6.168	L-.1120	.0012	.5434	.0204
#2	L-.0006	.1479	7.153	L-.0661	L-.0059	.4788	.0410
#3	.0006	.1534	6.713	L-.0632	L-.0055	.4514	.0678

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2080	2.055	.0244	L-.0060	.0157	4.780	2.254
SDev	.0020	.032	.0022	.0101	.0034	.040	.053
%RSD	.9646	1.544	9.136	169.7	21.38	.8403	2.354
#1	.2057	2.022	.0244	L-.0115	.0123	4.758	2.270
#2	.2088	2.059	.0266	.0057	.0157	4.755	2.195
#3	.2094	2.085	.0222	L-.0121	.0191	4.826	2.297

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.558	.1848	.1773	.7650	.0690	.0315
SDev	.136	.0035	.0024	.0118	.0018	.0025
%RSD	1.423	1.888	1.331	1.536	2.585	8.013
#1	9.421	.1812	.1761	.7527	.0670	.0331
#2	9.561	.1851	.1800	.7661	.0694	.0328
#3	9.693	.1881	.1758	.7761	.0705	.0286

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 21:47:59
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.991	.0539	.9921	2.011	1.0137	1.017	20.80
SDev	.016	.0191	.0048	.025	.0120	.008	.20
%RSD	.4027	35.44	.4802	1.237	1.1872	.7607	.9495
#1	3.996	.0324	.9883	2.039	1.0271	1.026	21.02
#2	3.973	.0607	.9975	1.992	1.0038	1.013	20.63
#3	4.004	.0688	.9906	2.001	1.0101	1.012	20.76

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.049	2.108	2.003	4.046	2.084	19.98	2.062
SDev	.016	.019	.020	.040	.030	.21	.022
%RSD	.7843	.8802	.9845	.9823	1.421	1.050	1.070
#1	2.066	2.129	2.025	4.089	2.118	20.22	2.086
#2	2.035	2.093	1.987	4.010	2.074	19.81	2.043
#3	2.045	2.103	1.996	4.038	2.061	19.92	2.057

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3284	1.049	19.35	.9947	1.012	20.01	2.093
SDev	.0036	.013	.47	.0291	.012	.27	.039
%RSD	1.096	1.249	2.436	2.924	1.148	1.342	1.845
#1	.3245	1.063	19.01	.9625	1.026	20.31	2.137
#2	.3292	1.049	19.16	1.003	1.005	19.79	2.078
#3	.3315	1.036	19.89	1.019	1.006	19.92	2.064

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.022	4.040	2.009	1.032	.0050	10.17	.0166
SDev	.009	.034	.015	.034	.0034	.04	.0330
%RSD	.8706	.8313	.7366	3.327	67.14	.4029	198.6
#1	1.032	4.077	2.026	1.056	.0020	10.21	.0455
#2	1.014	4.012	1.997	.9929	.0086	10.13	.0238
#3	1.021	4.032	2.006	1.049	.0045	10.18	-.0194

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0267	.9985	-.0058	.0011	2.004	-.0065
SDev	.0017	.0128	.0107	.0010	.023	.0019
%RSD	6.547	1.285	183.9	86.60	1.161	29.67
#1	-.0263	1.013	-.0129	.0000	2.030	-.0087
#2	-.0251	.9882	-.0110	.0017	1.984	-.0057
#3	-.0286	.9944	.0065	.0017	1.998	-.0051

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 21:52:00
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0204	.9612	-.0116	.0007	-.00006	-.0005	-.0205
SDev	.0056	.0187	.0034	.0012	.00000	.0001	.0044
%RSD	27.61	1.943	29.43	173.2	5.4742	10.31	21.60
#1	.0169	.9504	-.0079	-.0007	-.00005	-.0006	-.0231
#2	.0175	.9504	-.0124	.0014	-.00006	-.0005	-.0154
#3	.0269	.9827	-.0146	.0014	-.00006	-.0005	-.0231

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0022	.0020	-.0009	20.31	.0039	2.035	-.0001
SDev	.0009	.0021	.0015	.16	.0076	.016	.0004
%RSD	41.14	107.3	169.1	.8053	195.8	.7895	302.1
#1	-.0012	-.0004	-.0024	20.31	.0127	2.038	.0001
#2	-.0024	.0037	.0007	20.47	-.0005	2.050	-.0006
#3	-.0029	.0027	-.0010	20.14	-.0005	2.018	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0035	-.0057	-.6333	-.0380	.0112	.0276	-.0998
SDev	.0019	.0058	.6107	.0235	.0020	.0182	.0298
%RSD	54.88	102.2	96.44	61.90	17.63	66.01	29.87
#1	-.0048	-.0020	-1.318	-.0109	.0106	.0276	-.1178
#2	-.0044	-.0124	-.1439	-.0523	.0096	.0094	-.0654
#3	-.0013	-.0026	-.4381	-.0508	.0134	.0458	-.1162

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-.0030	-.0030	.0045	1.001	.0069	1.974
SDev	.0013	.0005	.0034	.0166	.004	.0138	.028
%RSD	42.56	17.95	114.3	370.2	.3767	200.7	1.396
#1	-.0044	-.0033	-.0067	.0230	1.001	-.0090	1.943
#2	-.0020	-.0024	-.0000	-.0006	1.005	.0144	1.995
#3	-.0026	-.0033	-.0022	-.0090	.9973	.0153	1.984

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.920	.0005	2.030	1.974	.0016	1.970
SDev	.009	.0000	.005	.016	.0000	.016
%RSD	.4784	.0086	.2638	.7862	.0006	.7944
#1	1.916	.0005	2.033	1.975	.0016	1.970
#2	1.931	.0005	2.033	1.989	.0016	1.986
#3	1.914	.0005	2.024	1.958	.0016	1.955

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 21:57:54
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0211	.0121	-.0095	.0000	-.00000	.0001	-.0102
SDev	.0034	.0176	.0154	.0012	.00011	.0014	.0022
%RSD	16.04	145.3	161.9	3916000.	11079.	1006.	21.67
#1	-.0216	-.0081	-.0184	-.0007	-.00007	-.0011	-.0115
#2	-.0242	.0202	.0083	-.0007	-.00007	.0018	-.0115
#3	-.0175	.0243	-.0184	Q.0014	.00013	-.0003	-.0077

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0022	-.0029	-.0018	-.0043	.0003	.0002
SDev	.0015	.0009	.0024	.0011	.0126	.0001	.0001
%RSD	107.8	39.75	81.04	57.73	289.4	57.74	57.73
#1	-.0027	-.0031	-.0054	-.0006	-.0122	.0004	.0001
#2	-.0016	-.0020	-.0027	-.0025	.0102	.0002	.0003
#3	.0002	-.0014	-.0007	-.0025	-.0109	.0002	.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	-.0077	-.3422	-.0202	-.0017	-.0091	-.0017
SDev	.0059	.0129	.5510	.0219	.0000	.0105	.0263
%RSD	1511.	166.8	161.0	108.3	.0153	115.5	1562.
#1	.0022	.0059	-.9778	.0051	-.0017	-.0030	-.0310
#2	-.0072	Q-.0197	-.0000	-.0336	-.0017	-.0212	.0062
#3	.0038	-.0093	-.0489	-.0322	-.0017	-.0030	.0197

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	-.0006	-.0037	.0195	.0022	.0081	.0233
SDev	.0003	.0006	.0013	.0357	.0014	.0074	.0120
%RSD	86.61	99.67	34.71	183.1	64.95	91.43	51.58
#1	.0002	-.0012	-.0022	.0153	.0039	.0027	.0164
#2	.0002	-.0002	-.0045	Q.0571	.0014	.0166	.0164
#3	.0008	-.0003	-.0045	-.0139	.0014	.0051	.0372

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0396	.0003	-.0079	-.0006	Q.0016	-.0002
SDev	.0029	.0004	.0071	.0010	.0000	.0012
%RSD	7.259	173.3	90.01	173.2	.0003	606.2
#1	-.0423	.0005	.0001	-.0017	Q.0016	-.0009
#2	-.0366	.0005	-.0104	.0000	Q.0016	-.0009
#3	-.0400	-.0003	-.0135	.0000	Q.0016	.0012

Method: STD_MTD Sample Name: 022810 100 Operator: NR1
Run Time: 05/06/02 22:01:55
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	105.4	.0499	.0696	.7264	.00497	.0074	45.55
SDev	.3	.0263	.0300	.0021	.00011	.0042	.05
%RSD	.2458	52.75	43.06	.2877	2.2945	56.60	.1034
#1	105.7	.0485	.0888	.7264	.00490	.0098	45.54
#2	105.2	.0768	.0849	.7243	.00510	.0099	45.60
#3	105.4	.0243	.0351	.7284	.00490	.0026	45.51

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1312	.0484	.6403	182.0	1.832	24.75	2.562
SDev	.0019	.0020	.0015	.2	.022	.03	.003
%RSD	1.433	4.196	.2369	.1054	1.200	.1352	.1289
#1	.1291	.0482	.6418	182.0	1.844	24.79	2.566
#2	.1326	.0505	.6404	182.2	1.845	24.74	2.561
#3	.1320	.0465	.6388	181.8	1.806	24.72	2.560

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0036	.1345	11.36	L-.0796	L-.0011	.3118	L-.0446
SDev	.0062	.0043	.40	.0161	.0049	.0344	.0093
%RSD	173.3	3.172	3.525	20.20	448.3	11.03	20.87
#1	L-.0108	.1326	11.70	L-.0828	L-.0035	.2966	L-.0339
#2	.0002	.1393	11.46	L-.0621	.0046	.3512	L-.0508
#3	L-.0002	.1314	10.92	L-.0938	L-.0044	.2876	L-.0492

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2226	1.696	.0489	L-.0157	.0146	5.803	4.826
SDev	.0000	.003	.0000	.0167	.0029	.037	.050
%RSD	.0037	.1951	.0069	106.4	20.08	.6371	1.033
#1	.2226	1.699	.0489	L-.0333	.0143	5.782	4.868
#2	.2226	1.697	.0489	.0000	.0118	5.845	4.839
#3	.2226	1.693	.0489	L-.0139	.0177	5.781	4.770

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.297	.1566	.1998	1.287	.1042	.0386
SDev	.014	.0008	.0119	.002	.0000	.0040
%RSD	.1544	.4918	5.950	.1635	.0001	10.38
#1	9.313	.1573	.2134	1.290	.1042	.0430
#2	9.289	.1558	.1915	1.285	.1042	.0376
#3	9.288	.1566	.1945	1.287	.1042	.0352

Method: STD_MTD Sample Name: 022811 100 Operator: NR1
Run Time: 05/06/02 22:05:59
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	110.2	.0283	.0612	.8601	.00588	.0002	29.50
SDev	1.8	.0146	.0261	.0125	.00029	.0009	.44
%RSD	1.591	51.51	42.57	1.457	5.0035	392.4	1.481
#1	108.4	.0404	.0481	.8476	.00563	L-.0004	29.04
#2	111.9	.0324	.0913	.8727	.00620	L-.0002	29.90
#3	110.3	.0121	.0444	.8601	.00580	.0013	29.57

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1295	.0780	.2882	222.9	.7540	28.14	2.846
SDev	.0038	.0017	.0046	2.7	.0154	.43	.045
%RSD	2.968	2.177	1.593	1.195	2.037	1.542	1.573
#1	.1251	.0764	.2829	221.4	.7368	27.69	2.799
#2	.1313	.0780	.2913	226.0	.7662	28.55	2.888
#3	.1321	.0797	.2903	221.4	.7590	28.18	2.850

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0037	.1536	8.779	L-.1003	L-.0037	.3089	L-.0002
SDev	.0025	.0020	.092	.0216	.0020	.0096	.0405
%RSD	68.88	1.276	1.050	21.51	53.58	3.098	19130.
#1	L-.0026	.1527	8.775	L-.1189	L-.0059	.3035	L-.0111
#2	L-.0065	.1521	8.689	L-.0767	L-.0031	.3200	L-.0341
#3	L-.0018	.1558	8.873	L-.1054	L-.0021	.3032	.0446

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2558	.8761	.0288	L-.0326	.0066	4.379	1.468
SDev	.0046	.0130	.0080	.0151	.0017	.063	.056
%RSD	1.817	1.483	27.86	46.42	26.27	1.449	3.846
#1	.2505	.8624	.0221	L-.0382	.0085	4.316	1.408
#2	.2580	.8882	.0377	L-.0442	.0052	4.443	1.475
#3	.2590	.8776	.0266	L-.0155	.0060	4.377	1.520

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.992	.1467	.0651	1.049	.1266	.0398
SDev	.091	.0019	.0066	.016	.0024	.0018
%RSD	1.515	1.325	10.15	1.515	1.915	4.617
#1	5.898	.1449	.0590	1.034	.1239	.0394
#2	6.079	.1487	.0721	1.065	.1286	.0382
#3	5.998	.1464	.0643	1.049	.1274	.0418

Method: STD_MTD Sample Name: 022812 100 Operator: NR1
Run Time: 05/06/02 22:10:03
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	111.8	.0553	.1104	.8221	.00582	.0094	177.7
SDev	.4	.0168	.0207	.0021	.00000	.0003	.5
%RSD	.3541	30.46	18.79	.2541	.06887	3.399	.2636
#1	111.6	.0688	.1196	.8221	.00583	.0093	177.3
#2	111.6	.0364	.0866	.8200	.00582	.0098	177.7
#3	112.3	.0607	.1249	.8242	.00583	.0092	178.2

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1831	.0741	1.332	230.6	2.968	78.64	4.287
SDev	.0010	.0020	.004	1.2	.003	.33	.011
%RSD	.5464	2.711	.2960	.5205	.1176	.4217	.2517
#1	.1819	.0736	1.329	229.9	2.964	78.44	4.278
#2	.1837	.0763	1.330	229.9	2.969	78.45	4.284
#3	.1836	.0724	1.336	232.0	2.971	79.02	4.299

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0036	.2145	16.02	L-.0848	L-.0043	.5831	L-.0030
SDev	.0052	.0109	.20	.0098	.0019	.0107	.0193
%RSD	143.0	5.085	1.276	11.53	44.24	1.834	650.6
#1	L-.0049	.2119	15.79	L-.0814	L-.0023	.5955	L-.0250
#2	.0021	.2052	16.18	L-.0772	L-.0046	.5773	.0105
#3	L-.0081	.2265	16.09	L-.0959	L-.0061	.5766	.0057

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2496	2.921	.0942	L-.0111	.0179	7.997	9.743
SDev	.0016	.009	.0034	.0186	.0041	.061	.036
%RSD	.6374	.3101	3.615	167.4	23.04	.7585	.3705
#1	.2484	2.915	.0912	L-.0219	.0159	8.067	9.713
#2	.2514	2.917	.0934	L-.0219	.0226	7.967	9.783
#3	.2491	2.932	.0979	.0104	.0151	7.957	9.734

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.35	.5854	.3206	1.265	.0951	.0435
SDev	.03	.0020	.0225	.005	.0000	.0010
%RSD	.2983	.3488	7.029	.4020	.0010	2.222
#1	10.34	.5846	.2988	1.262	.0951	.0442
#2	10.33	.5839	.3438	1.263	.0951	.0439
#3	10.39	.5877	.3194	1.271	.0951	.0424

Method: STD_MTD Sample Name: 022813 100 Operator: NR1
Run Time: 05/06/02 22:14:07
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	123.4	.0391	.0836	.8891	.00633	.0077	363.9
SDev	1.8	.0102	.0251	.0139	.00011	.0059	4.6
%RSD	1.498	26.03	30.07	1.563	1.6629	76.31	1.268
#1	121.3	.0283	.0562	.8738	.00621	.0105	358.7
#2	124.2	.0404	.1056	.8926	.00639	.0009	365.7
#3	124.8	.0485	.0889	.9009	.00639	.0117	367.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1982	.0749	1.237	230.3	2.523	102.0	4.362
SDev	.0032	.0017	.018	1.1	.012	1.6	.063
%RSD	1.588	2.285	1.493	.4578	.4864	1.570	1.451
#1	.1947	.0731	1.217	231.1	2.509	100.1	4.290
#2	.1990	.0750	1.243	229.1	2.532	102.7	4.388
#3	.2008	.0766	1.252	230.8	2.528	103.1	4.409

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0021	.1984	12.87	L-.0710	L-.0067	.7612	L-.0154
SDev	.0053	.0148	.46	.0135	.0006	.0232	.0092
%RSD	253.5	7.471	3.544	19.06	8.221	3.046	60.07
#1	L-.0050	.1911	12.56	L-.0578	L-.0061	.7645	L-.0083
#2	L-.0054	.1887	12.66	L-.0848	L-.0070	.7826	L-.0258
#3	.0040	.2155	13.40	L-.0703	L-.0070	.7366	L-.0120

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2573	2.490	.0808	L-.0272	.0171	6.863	10.89
SDev	.0035	.036	.0034	.0205	.0022	.091	.17
%RSD	1.377	1.444	4.207	75.34	12.80	1.323	1.533
#1	.2533	2.449	.0778	L-.0045	.0196	6.758	10.71
#2	.2587	2.507	.0801	L-.0443	.0154	6.910	11.04
#3	.2600	2.515	.0845	L-.0330	.0163	6.921	10.92

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.78	1.109	.2273	1.647	.1009	.0506
SDev	.18	.017	.0109	.025	.0014	.0010
%RSD	1.527	1.528	4.802	1.517	1.339	2.062
#1	11.58	1.090	.2163	1.619	.1001	.0494
#2	11.86	1.115	.2382	1.656	.1001	.0512
#3	11.91	1.123	.2275	1.667	.1025	.0512

Method: STD_MTD Sample Name: 022814 100 Operator: NR1
Run Time: 05/06/02 22:18:10
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	121.4	.0297	.1007	.8851	.00610	.0088	61.19
SDev	1.4	.0168	.0212	.0111	.00011	.0008	.47
%RSD	1.121	56.77	21.10	1.249	1.7623	8.823	.7667
#1	119.9	.0162	.0792	.8726	.00597	.0094	60.65
#2	121.9	.0243	.1217	.8893	.00616	.0079	61.37
#3	122.5	.0485	.1010	.8935	.00616	.0091	61.54

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1790	.0829	1.418	261.8	2.642	44.64	4.618
SDev	.0027	.0011	.019	4.1	.005	.39	.045
%RSD	1.530	1.361	1.306	1.566	.1757	.8726	.9796
#1	.1764	.0816	1.397	262.3	2.639	44.20	4.567
#2	.1786	.0834	1.426	265.7	2.648	44.81	4.636
#3	.1819	.0838	1.431	257.5	2.641	44.92	4.652

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0060	.2287	13.72	L-.1079	L-.0019	.4923	.0127
SDev	.0047	.0046	.73	.0179	.0022	.0234	.0111
%RSD	77.96	2.000	5.355	16.61	117.0	4.752	87.61
#1	L-.0015	.2234	12.90	L-.1286	.0005	.5166	.0218
#2	L-.0058	.2314	14.33	L-.0968	L-.0038	.4700	.0003
#3	L-.0109	.2314	13.92	L-.0984	L-.0023	.4903	.0159

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2717	2.596	.0570	L-.0274	.0149	7.575	5.336
SDev	.0026	.027	.0084	.0484	.0017	.074	.051
%RSD	.9640	1.048	14.79	176.8	11.64	.9778	.9620
#1	.2686	2.566	.0533	L-.0801	.0163	7.514	5.340
#2	.2730	2.603	.0667	.0151	.0155	7.554	5.283
#3	.2733	2.619	.0511	L-.0171	.0130	7.658	5.385

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.174	.1737	.3039	1.077	.1011	.0415
SDev	.097	.0020	.0042	.012	.0014	.0013
%RSD	1.056	1.176	1.392	1.087	1.332	3.159
#1	9.068	.1714	.2995	1.064	.0995	.0400
#2	9.197	.1744	.3042	1.082	.1019	.0424
#3	9.258	.1752	.3080	1.086	.1019	.0421

Method: STD_MTD Sample Name: 022815 100 Operator: NR1
Run Time: 05/06/02 22:22:14
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	127.6	.0445	.1023	.9046	.00626	.0072	78.95
SDev	.9	.0225	.0110	.0084	.00011	.0026	.42
%RSD	.7251	50.62	10.72	.9335	1.7441	36.05	.5358
#1	128.4	.0202	.1144	.9122	.00632	.0081	79.26
#2	127.8	.0647	.0930	.9060	.00632	.0092	79.12
#3	126.6	.0485	.0997	.8955	.00613	.0042	78.47

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1707	.0892	1.278	272.3	1.984	52.75	5.704
SDev	.0013	.0010	.010	2.2	.032	.37	.039
%RSD	.7641	1.173	.7700	.7933	1.620	.7007	.6779
#1	.1716	.0880	1.287	271.2	1.949	53.05	5.734
#2	.1714	.0894	1.281	274.8	2.012	52.85	5.717
#3	.1692	.0901	1.267	271.0	1.991	52.34	5.661

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0067	.2080	12.38	L-.1256	L-.0043	.5455	.0250
SDev	.0049	.0088	.19	.0130	.0041	.0184	.0122
%RSD	72.27	4.249	1.559	10.39	94.98	3.367	48.64
#1	L-.0097	.2082	12.35	L-.1119	L-.0025	.5305	.0164
#2	L-.0011	.2167	12.21	L-.1268	L-.0091	.5659	.0390
#3	L-.0093	.1991	12.59	L-.1379	L-.0015	.5399	.0198

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2877	2.099	.0429	L-.0099	.0159	5.595	2.940
SDev	.0022	.012	.0034	.0392	.0005	.073	.074
%RSD	.7695	.5814	7.926	396.5	3.066	1.301	2.500
#1	.2879	2.108	.0399	.0334	.0164	5.647	2.992
#2	.2898	2.105	.0466	L-.0432	.0156	5.626	2.856
#3	.2854	2.085	.0422	L-.0199	.0156	5.512	2.973

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.164	.2075	.2082	1.082	.0945	.0457
SDev	.051	.0018	.0066	.007	.0007	.0014
%RSD	.6257	.8594	3.178	.6438	.7125	3.015
#1	8.196	.2085	.2083	1.087	.0949	.0445
#2	8.190	.2085	.2015	1.084	.0949	.0473
#3	8.105	.2054	.2147	1.074	.0937	.0454

Method: STD_MTD Sample Name: 022816 100 Operator: NR1
Run Time: 05/06/02 22:26:18
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	105.4	.0391	.0802	.7980	.00521	.0099	82.48
SDev	1.0	.0187	.0194	.0084	.00011	.0003	.76
%RSD	.9892	47.78	24.19	1.058	2.1673	2.919	.9157
#1	104.2	.0283	.0590	.7889	.00515	.0102	81.65
#2	105.7	.0283	.0846	.7994	.00534	.0099	82.68
#3	106.2	.0607	.0970	.8057	.00514	.0097	83.12

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1457	.0584	.4769	195.7	1.470	46.98	2.959
SDev	.0019	.0023	.0052	.5	.013	.41	.027
%RSD	1.300	3.877	1.094	.2793	.8689	.8654	.9072
#1	.1448	.0578	.4716	196.3	1.456	46.52	2.929
#2	.1443	.0565	.4770	195.3	1.474	47.10	2.966
#3	.1478	.0609	.4820	195.5	1.480	47.31	2.982

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0012	.1698	14.11	L-.0884	.0007	.4875	.0043
SDev	.0056	.0059	.50	.0153	.0016	.0138	.0289
%RSD	462.6	3.461	3.517	17.27	227.8	2.841	666.4
#1	L-.0060	.1631	14.02	L-.1060	.0017	.4724	.0344
#2	L-.0025	.1722	13.67	L-.0810	.0017	.4906	.0020
#3	.0049	.1741	14.65	L-.0783	L-.0012	.4996	L-.0234

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2074	1.747	.0526	.0423	.0096	6.578	5.006
SDev	.0016	.013	.0013	.0169	.0022	.038	.073
%RSD	.7649	.7297	2.439	40.03	23.00	.5760	1.457
#1	.2056	1.734	.0534	.0546	.0088	6.537	4.925
#2	.2080	1.749	.0511	.0493	.0080	6.588	5.066
#3	.2086	1.760	.0534	.0230	.0121	6.610	5.027

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.929	.2085	.1186	.9172	.0902	.0322
SDev	.077	.0015	.0076	.0068	.0000	.0008
%RSD	.8580	.7422	6.393	.7370	.0017	2.473
#1	8.848	.2070	.1098	.9099	.0902	.0313
#2	8.936	.2086	.1231	.9183	.0902	.0325
#3	9.001	.2101	.1228	.9233	.0902	.0328

Method: STD_MTD Sample Name: 022817 100 Operator: NR1
Run Time: 05/06/02 22:30:22
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	117.3	.0364	.0713	.8265	.00569	.0100	84.72
SDev	.2	.0070	.0167	.0021	.00000	.0003	.18
%RSD	.2048	19.25	23.46	.2529	.05560	2.531	.2126
#1	117.0	.0283	.0897	.8265	.00569	.0097	84.60
#2	117.5	.0404	.0672	.8286	.00568	.0101	84.63
#3	117.3	.0404	.0570	.8245	.00569	.0102	84.93

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1551	.0616	.4970	205.2	1.501	51.72	2.983
SDev	.0012	.0034	.0029	.3	.020	.15	.004
%RSD	.7533	5.524	.5913	.1630	1.339	.2887	.1460
#1	.1539	.0577	.4938	205.3	1.490	51.57	2.978
#2	.1551	.0628	.4978	204.9	1.488	51.87	2.985
#3	.1562	.0641	.4995	205.5	1.524	51.73	2.986

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0012	.1759	17.09	L-.0839	L-.0065	.5407	.0039
SDev	.0004	.0059	1.13	.0285	.0020	.0090	.0240
%RSD	36.07	3.341	6.586	33.93	30.15	1.670	611.7
#1	L-.0018	.1716	15.86	L-.1143	L-.0087	.5316	L-.0073
#2	L-.0010	.1826	18.05	L-.0797	L-.0059	.5407	.0315
#3	L-.0010	.1735	17.37	L-.0578	L-.0050	.5497	L-.0124

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2265	1.847	.0712	L-.0383	.0119	7.069	5.529
SDev	.0013	.006	.0045	.0234	.0005	.049	.038
%RSD	.5537	.3025	6.265	60.99	4.026	.6969	.6912
#1	.2255	1.840	.0756	L-.0119	.0122	7.065	5.490
#2	.2279	1.850	.0667	L-.0467	.0114	7.022	5.531
#3	.2261	1.850	.0712	L-.0564	.0122	7.120	5.566

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.235	.2124	.1283	1.026	.0941	.0338
SDev	.019	.0000	.0084	.003	.0014	.0014
%RSD	.2018	.0009	6.537	.2491	1.429	4.014
#1	9.216	.2124	.1216	1.024	.0926	.0325
#2	9.237	.2124	.1255	1.029	.0949	.0352
#3	9.253	.2124	.1377	1.025	.0949	.0337

Method: STD_MTD Sample Name: 022818 100 Operator: NR1
Run Time: 05/06/02 22:34:25
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	147.0	.0310	.0684	1.064	.00713	.0091	114.9
SDev	.8	.0084	.0103	.007	.00001	.0006	.5
%RSD	.5239	27.15	15.04	.6312	.07534	6.971	.4484
#1	147.6	.0243	.0566	1.067	.00712	.0098	115.4
#2	147.3	.0283	.0756	1.069	.00713	.0087	115.0
#3	146.2	.0404	.0730	1.056	.00713	.0087	114.4

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1823	.0902	.4378	271.9	1.128	73.92	4.778
SDev	.0033	.0029	.0026	1.9	.006	.41	.023
%RSD	1.806	3.243	.5967	.7008	.5270	.5496	.4873
#1	.1861	.0936	.4400	269.9	1.135	74.30	4.799
#2	.1802	.0889	.4386	272.2	1.123	73.97	4.783
#3	.1807	.0881	.4349	273.7	1.126	73.50	4.753

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0031	.2234	17.31	L-.1396	L-.0011	.6532	.0122
SDev	.0038	.0172	.55	.0160	.0024	.0160	.0238
%RSD	123.3	7.680	3.167	11.44	219.0	2.455	194.5
#1	L-.0015	.2362	16.72	L-.1431	L-.0033	.6628	L-.0141
#2	L-.0074	.2039	17.41	L-.1535	L-.0014	.6622	.0185
#3	L-.0003	.2301	17.81	L-.1221	.0014	.6347	.0323

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2824	1.551	.0644	L-.0184	.0123	6.427	2.938
SDev	.0021	.009	.0059	.0303	.0038	.059	.088
%RSD	.7540	.5620	9.141	164.9	30.72	.9141	2.985
#1	.2848	1.560	.0689	L-.0016	.0084	6.473	3.033
#2	.2806	1.551	.0578	L-.0002	.0159	6.448	2.920
#3	.2819	1.542	.0667	L-.0533	.0125	6.361	2.860

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.357	.2561	.0883	1.144	.1272	.0376
SDev	.030	.0016	.0080	.006	.0007	.0000
%RSD	.4073	.6280	9.013	.5137	.5294	.0000
#1	7.382	.2574	.0962	1.149	.1276	.0376
#2	7.365	.2566	.0803	1.144	.1276	.0376
#3	7.324	.2543	.0884	1.137	.1264	.0376

Method: STD_MTD Sample Name: 022819 100 Operator: NR1
Run Time: 05/06/02 22:38:29
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	126.4	.0350	.0861	.7842	.00563	.0088	51.46
SDev	.9	.0084	.0150	.0043	.00000	.0016	.34
%RSD	.6911	24.02	17.47	.5546	.03265	18.31	.6596
#1	126.2	.0283	.0723	.7828	.00563	.0098	51.34
#2	125.6	.0324	.1022	.7807	.00563	.0069	51.20
#3	127.3	.0445	.0840	.7890	.00563	.0096	51.85

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1609	.0624	.6497	224.2	1.817	32.26	2.273
SDev	.0018	.0023	.0031	1.3	.011	.22	.016
%RSD	1.118	3.700	.4810	.5961	.5864	.6790	.6824
#1	.1593	.0646	.6488	223.5	1.809	32.22	2.269
#2	.1629	.0626	.6472	223.3	1.829	32.06	2.259
#3	.1604	.0600	.6532	225.7	1.812	32.49	2.290

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0035	.1905	14.46	L-.0968	L-.0033	.6183	.0200
SDev	.0022	.0149	.52	.0256	.0022	.0181	.0137
%RSD	63.41	7.841	3.563	26.44	66.32	2.930	68.14
#1	L-.0010	.2052	13.92	L-.0888	L-.0020	.6367	.0233
#2	L-.0042	.1753	14.94	L-.0762	L-.0020	.6005	.0318
#3	L-.0053	.1911	14.51	L-.1255	L-.0058	.6178	.0050

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2490	2.212	.0645	L-.0440	.0128	9.033	6.635
SDev	.0007	.016	.0039	.0122	.0014	.084	.085
%RSD	.2928	.7362	5.982	27.77	11.35	.9279	1.279
#1	.2481	2.209	.0623	L-.0371	.0119	8.976	6.654
#2	.2493	2.198	.0689	L-.0582	.0119	8.994	6.542
#3	.2494	2.230	.0623	L-.0368	.0145	9.129	6.709

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.366	.1880	.1819	1.067	.0809	.0312
SDev	.063	.0016	.0110	.007	.0000	.0009
%RSD	.6682	.8549	6.041	.6270	.0008	2.947
#1	9.366	.1874	.1933	1.067	.0809	.0310
#2	9.304	.1867	.1810	1.060	.0809	.0322
#3	9.429	.1898	.1714	1.074	.0809	.0304

Method: STD_MTD Sample Name: 022820 100 Operator: NR1
Run Time: 05/06/02 22:42:33
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	193.4	.0202	.1266	1.119	.00804	.0047	25.04
SDev	1.3	.0070	.0188	.008	.00011	.0054	.19
%RSD	.6813	34.64	14.87	.7549	1.3534	112.8	.7564
#1	191.9	.0243	.1445	1.109	.00798	.0077	24.82
#2	194.1	.0121	.1283	1.123	.00798	.0080	25.11
#3	194.3	.0243	.1069	1.123	.00817	L-.0014	25.18

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1996	.1298	.2153	355.9	.3476	47.16	3.034
SDev	.0019	.0006	.0040	4.3	.0043	.30	.020
%RSD	.9777	.4285	1.842	1.198	1.233	.6451	.6662
#1	.1974	.1303	.2119	352.1	.3434	46.81	3.011
#2	.2002	.1300	.2143	355.1	.3519	47.28	3.043
#3	.2012	.1292	.2196	360.5	.3475	47.39	3.048

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0086	.2391	15.58	L-.1476	L-.0054	.5553	.0253
SDev	.0070	.0126	.29	.0146	.0005	.0232	.0142
%RSD	81.41	5.250	1.894	9.893	10.22	4.169	55.95
#1	L-.0157	.2259	15.81	L-.1310	L-.0050	.5293	.0400
#2	L-.0016	.2405	15.68	L-.1584	L-.0060	.5736	.0117
#3	L-.0087	.2509	15.25	L-.1533	L-.0050	.5630	.0244

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3367	.8743	.0376	L-.0341	.0100	2.928	1.083
SDev	.0026	.0067	.0022	.0329	.0032	.057	.033
%RSD	.7819	.7656	5.915	96.44	31.86	1.947	3.018
#1	.3339	.8665	.0376	L-.0462	.0063	2.870	1.109
#2	.3371	.8777	.0399	.0031	.0113	2.984	1.092
#3	.3391	.8785	.0354	L-.0593	.0122	2.929	1.046

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.494	.1628	.0190	1.380	.0676	.0553
SDev	.071	.0009	.0082	.009	.0007	.0033
%RSD	.9458	.5475	43.43	.6327	.9945	5.997
#1	7.413	.1618	.0270	1.370	.0680	.0521
#2	7.542	.1633	.0106	1.384	.0668	.0551
#3	7.527	.1633	.0193	1.386	.0680	.0587

Method: STD_MTD Sample Name: 022821 100 Operator: NR1
Run Time: 05/06/02 22:46:37
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.4	.0957	.0895	.8913	.00606	.0198	107.6
SDev	1.1	.0244	.0293	.0096	.00011	.0051	.7
%RSD	.9880	25.47	32.71	1.074	1.8069	25.76	.6151
#1	107.7	.0728	.1224	.8933	.00600	.0139	107.9
#2	108.2	.0930	.0797	.8996	.00619	.0226	108.1
#3	106.2	.1213	.0663	.8808	.00600	.0228	106.9

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1896	.0751	5.028	235.8	11.88	32.83	3.869
SDev	.0012	.0004	.051	1.3	.07	.26	.031
%RSD	.6206	.6035	1.020	.5607	.5913	.8053	.8004
#1	.1900	.0751	5.038	235.8	11.93	32.92	3.879
#2	.1905	.0747	5.073	237.1	11.92	33.04	3.894
#3	.1882	.0756	4.972	234.4	11.80	32.53	3.834

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.2620	16.52	L-.0910	.0014	.7657	L-.0106
SDev	.0053	.0058	.47	.0270	.0040	.0206	.0433
%RSD	1406.	2.198	2.843	29.69	287.1	2.687	407.6
#1	L-.0038	.2600	16.48	L-.1145	.0016	.7536	.0119
#2	L-.0015	.2685	17.02	L-.0971	L-.0027	.7895	L-.0606
#3	.0064	.2576	16.08	L-.0615	.0054	.7541	.0168

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2600	8.890	.1343	.0086	.0173	10.04	13.60
SDev	.0019	.070	.0068	.0301	.0017	.15	.17
%RSD	.7358	.7883	5.069	351.5	10.11	1.515	1.240
#1	.2596	8.909	.1402	.0179	.0187	9.894	13.61
#2	.2621	8.949	.1357	L-.0251	.0178	10.20	13.77
#3	.2583	8.813	.1268	.0329	.0153	10.02	13.43

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.365	.3726	1.757	1.287	.0775	.0250
SDev	.065	.0032	.012	.011	.0000	.0010
%RSD	.7819	.8624	.6728	.8933	.0017	4.174
#1	8.387	.3736	1.756	1.290	.0775	.0256
#2	8.416	.3752	1.769	1.297	.0775	.0238
#3	8.291	.3690	1.746	1.275	.0775	.0256

Method: STD_MTD Sample Name: 022822 100 Operator: NR1
Run Time: 05/06/02 22:50:40
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	137.8	.1186	.1428	.9513	.00695	.0076	64.44
SDev	1.2	.0124	.0065	.0105	.00011	.0004	.46
%RSD	.8749	10.41	4.544	1.105	1.6078	4.917	.7147
#1	139.0	.1294	.1414	.9624	.00701	.0074	64.90
#2	137.7	.1213	.1370	.9499	.00682	.0074	64.43
#3	136.6	.1051	.1498	.9415	.00702	.0080	63.98

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1792	.0952	8.095	307.3	8.340	39.23	4.273
SDev	.0004	.0021	.086	2.1	.042	.30	.035
%RSD	.2285	2.194	1.062	.6921	.5001	.7690	.8095
#1	.1797	.0939	8.182	305.3	8.383	39.53	4.308
#2	.1789	.0976	8.091	309.6	8.336	39.24	4.272
#3	.1790	.0941	8.011	307.1	8.300	38.93	4.238

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0017	.2797	14.42	L-.1080	L-.0040	.6453	.0112
SDev	.0091	.0129	.32	.0205	.0018	.0137	.0417
%RSD	541.1	4.623	2.199	18.95	44.44	2.126	370.7
#1	.0051	.2856	14.46	L-.0854	L-.0061	.6305	L-.0252
#2	L-.0086	.2649	14.08	L-.1252	L-.0028	.6477	.0567
#3	.0086	.2886	14.71	L-.1133	L-.0032	.6576	.0022

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3247	6.656	.0511	.0535	.0252	5.502	3.472
SDev	.0026	.049	.0097	.0029	.0038	.024	.018
%RSD	.7954	.7420	19.01	5.527	14.99	.4402	.5283
#1	.3276	6.705	.0555	.0536	.0255	5.489	3.491
#2	.3236	6.657	.0577	.0563	.0288	5.530	3.470
#3	.3228	6.606	.0399	.0504	.0213	5.487	3.455

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.261	.2425	2.088	1.254	.0685	.0162
SDev	.074	.0027	.007	.010	.0014	.0003
%RSD	.8928	1.117	.3149	.8068	1.965	2.152
#1	8.333	.2453	2.095	1.265	.0692	.0160
#2	8.263	.2423	2.086	1.250	.0669	.0166
#3	8.186	.2399	2.082	1.246	.0692	.0160

Method: STD_MTD Sample Name: CCVA Operator: NR1
Run Time: 05/06/02 22:56:36
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.964	.0404	.9657	1.996	1.0087	1.008	20.58
SDev	.044	.0040	.0086	.026	.0130	.008	.20
%RSD	1.108	10.000	.8938	1.299	1.2908	.7506	.9904
#1	4.008	.0364	.9750	2.025	1.0225	1.017	20.78
#2	3.963	.0445	.9642	1.989	1.0068	1.003	20.57
#3	3.920	.0404	.9579	1.975	.99672	1.004	20.38

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.028	2.083	1.998	4.009	2.061	19.80	2.047
SDev	.021	.023	.022	.042	.014	.21	.021
%RSD	1.054	1.121	1.094	1.045	.6816	1.078	1.038
#1	2.051	2.107	2.021	4.052	2.058	20.02	2.070
#2	2.027	2.081	1.995	4.009	2.077	19.77	2.044
#3	2.008	2.061	1.977	3.968	2.049	19.60	2.028

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3215	1.040	19.63	.9998	1.007	19.86	2.112
SDev	.0051	.019	.71	.0050	.008	.29	.029
%RSD	1.582	1.836	3.627	.4959	.8262	1.440	1.363
#1	.3268	1.024	18.96	1.004	1.015	20.18	2.144
#2	.3210	1.061	19.55	1.001	1.008	19.78	2.088
#3	.3167	1.035	20.38	.9943	.9983	19.62	2.103

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.017	4.004	2.012	1.027	.0028	10.14	.0262
SDev	.011	.044	.021	.014	.0022	.12	.0423
%RSD	1.048	1.100	1.027	1.363	79.45	1.224	161.7
#1	1.027	4.050	2.021	1.012	.0053	10.26	.0047
#2	1.017	4.000	2.026	1.029	.0020	10.13	.0750
#3	1.006	3.963	1.988	1.040	.0011	10.02	-.0011

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0309	.9931	-.0039	.0006	1.992	-.0054
SDev	.0000	.0130	.0040	.0010	.025	.0035
%RSD	.0000	1.313	103.3	173.2	1.258	64.07
#1	-.0309	1.008	-.0008	.0000	2.019	-.0087
#2	-.0309	.9898	-.0084	.0017	1.985	-.0057
#3	-.0309	.9821	-.0024	.0000	1.970	-.0018

Method: STD_MTD Sample Name: CCVB Operator: NR1
Run Time: 05/06/02 23:00:36
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0235	.9652	-.0095	.0000	-.00006	-.0005	-.0205
SDev	.0302	.0124	.0166	.0012	.00001	.0002	.0080
%RSD	128.4	1.280	175.1	1959000.	12.164	46.52	39.04
#1	-.0040	.9625	-.0255	-.0007	-.00006	-.0003	-.0269
#2	.0188	.9544	.0075	.0014	-.00007	-.0008	-.0115
#3	.0559	.9787	-.0104	-.0007	-.00006	-.0005	-.0231

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0027	.0010	20.23	.0012	2.029	-.0001
SDev	.0021	.0007	.0047	.20	.0150	.021	.0001
%RSD	1178.	24.84	470.2	1.002	1203.	1.036	80.10
#1	-.0018	.0033	-.0034	20.39	-.0031	2.048	-.0003
#2	.0023	.0020	.0061	20.00	.0179	2.006	-.0001
#3	-.0000	.0027	.0003	20.29	-.0111	2.033	-.0001

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0095	-.1771	-.0246	.0102	-.0178	-.0851
SDev	.0024	.0021	1.1151	.0349	.0033	.0241	.0336
%RSD	113.8	22.42	629.5	141.6	32.49	135.2	39.45
#1	-.0036	-.0075	.4426	-.0537	.0068	-.0451	-.0586
#2	.0006	-.0093	.4905	.0141	.0106	.0004	-.0739
#3	-.0033	-.0118	-1.464	-.0343	.0134	-.0087	-.1229

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0030	-.0015	-.0127	.9962	.0216	1.977
SDev	.0031	.0011	.0013	.0345	.0065	.0212	.020
%RSD	566.9	36.22	86.28	272.0	.6519	97.94	1.000
#1	-.0032	-.0042	-.0000	-.0438	1.001	.0029	1.993
#2	.0029	-.0024	-.0022	.0244	.9889	.0446	1.983
#3	-.0014	-.0024	-.0022	-.0187	.9981	.0173	1.955

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.917	.0005	2.016	1.970	.0016	1.968
SDev	.015	.0008	.007	.021	.0000	.017
%RSD	.7721	150.1	.3560	1.046	.0010	.8612
#1	1.922	-.0003	2.018	1.989	.0016	1.983
#2	1.900	.0013	2.009	1.948	.0016	1.950
#3	1.928	.0005	2.023	1.972	.0016	1.971

Method: STD_MTD Sample Name: CCB Operator: NR1
Run Time: 05/06/02 23:06:30
Comment: 0503 SSY1 DG3050B
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0009	.0081	-.0015	.0007	.00013	-.0002	-.0038
SDev	.0177	.0146	.0155	.0012	.00000	.0019	.0067
%RSD	2013.	180.3	1061.	173.2	2.8618	757.3	173.2
#1	.0195	.0040	.0147	-.0007	.00013	Q-.0024	.0038
#2	-.0101	.0243	-.0029	Q.0014	.00014	.0011	-.0077
#3	-.0121	-.0040	-.0162	Q.0014	.00013	.0005	-.0077

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0019	-.0015	-.0017	-.0006	-.0088	.0001	.0001
SDev	.0007	.0025	.0009	.0018	.0120	.0001	.0003
%RSD	34.66	170.0	52.92	300.1	136.6	173.2	458.0
#1	-.0027	-.0024	-.0007	.0012	Q-.0216	-.0001	.0003
#2	-.0016	.0014	-.0024	-.0006	-.0070	.0002	.0001
#3	-.0016	-.0034	-.0020	-.0025	.0022	.0002	-.0002

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0039	Q-.0122	-.1141	-.0083	-.0033	-.0061	.0186
SDev	.0055	.0097	.2780	.0180	.0020	.0229	.0214
%RSD	140.1	79.74	243.7	217.6	59.46	377.5	115.1
#1	.0014	-.0014	-.3422	-.0143	-.0017	-.0030	-.0056
#2	-.0095	Q-.0203	.1956	-.0225	-.0027	.0151	.0265
#3	-.0036	Q-.0148	-.1956	.0120	-.0055	-.0303	.0350

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0012	-.0003	-.0015	.0353	.0017	.0051	-.0127
SDev	.0015	.0009	.0026	.0416	.0038	.0232	.0419
%RSD	125.8	345.6	173.3	118.0	225.5	450.7	329.9
#1	.0002	.0006	.0000	-.0097	.0056	.0290	-.0082
#2	-.0028	-.0011	-.0000	.0432	-.0020	-.0172	-.0567
#3	-.0010	-.0002	-.0044	Q.0724	.0014	.0036	.0268

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0396	-.0003	-.0030	-.0011	Q.0016	.0004
SDev	.0007	.0000	.0049	.0010	.0000	.0003
%RSD	1.665	.0259	164.7	86.60	.0009	86.60
#1	-.0400	-.0003	-.0053	.0000	Q.0016	.0000
#2	-.0389	-.0003	-.0062	-.0017	Q.0016	.0006
#3	-.0400	-.0003	.0026	-.0017	Q.0016	.0006

Method: STD_MTD Sample Name: ICSA Operator: NR1
Run Time: 05/07/02 08:15:48
Comment: 0506 SSA2 DGICPS
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	301.1	.0283	.0521	.0020	.00044	.0008	479.0
SDev	2.5	.0176	.0629	.0000	.00012	.0052	3.2
%RSD	.8150	62.27	120.6	.4700	26.204	647.0	.6691
#1	299.0	.0485	Q.1246	.0021	.00051	-.0030	476.0
#2	300.5	.0162	.0190	.0020	.00050	.0067	478.6
#3	303.8	.0202	.0127	.0020	.00031	-.0013	482.4

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0030	-.0038	-.0030	206.5	-.0065	489.6	-.0073
SDev	.0008	.0020	.0015	4.0	.0080	4.0	.0003
%RSD	26.34	52.12	50.92	1.920	122.6	.8106	4.468
#1	-.0029	-.0056	-.0034	205.1	-.0042	486.2	-.0075
#2	-.0039	-.0017	-.0013	203.5	-.0154	488.7	-.0074
#3	-.0023	-.0040	-.0044	211.0	.0000	494.0	-.0069

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0067	.0057	.8536	-.0736	-.0082	-.1654	.0140
SDev	.0030	.0040	1.136	.0218	.0022	.0115	.0244
%RSD	45.49	69.71	133.0	29.61	26.55	6.923	174.7
#1	-.0091	.0095	.5843	-.0485	-.0095	-.1705	.0127
#2	-.0033	.0016	Q2.100	-.0879	-.0057	-.1523	.0390
#3	-.0076	.0059	Q-.1232	-.0845	-.0095	-.1734	-.0098

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	.0035	-.0126	-.0168	.0124	.0432	Q.2487
SDev	.0004	.0011	.0072	.0455	.0014	.0268	.0780
%RSD	4.893	31.98	56.77	271.0	11.57	62.23	31.38
#1	.0084	.0028	-.0044	-.0642	.0115	.0580	.1987
#2	.0090	.0047	-.0156	.0266	.0141	.0593	.2088
#3	.0093	.0029	-.0178	-.0128	.0117	.0122	Q.3386

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0120	.0009	.0067	.0006	.0068
SDev	.0014	.0004	.0079	.0000	.0007	.0005
%RSD	377.5	3.471	870.6	.0000	119.1	6.739
#1	.0006	.0122	.0028	.0067	.0002	.0063
#2	-.0011	.0122	-.0078	.0067	.0002	.0072
#3	.0017	.0115	.0077	.0067	.0014	.0069

Method: STD_MTD Sample Name: ICSAB Operator: NR1
Run Time: 05/07/02 08:19:46
Comment: 0506 SSA2 DGICPS
Mode: CONC Corr. Factor: 1

Elem	Al	Sb	As	Ba	Be	Cd	Ca
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	298.0	.9868	1.004	.4883	.47742	.9921	472.7
SDev	5.7	.0292	.073	.0094	.00897	.0173	7.9
%RSD	1.913	2.955	7.236	1.925	1.8794	1.745	1.663
#1	292.1	.9949	.9824	.4785	.46835	.9771	464.6
#2	298.5	.9544	.9442	.4889	.47761	.9882	473.1
#3	303.4	1.011	1.085	.4973	.48629	1.011	480.3

Elem	Cr	Co	Cu	Fe	Pb	Mg	Mn
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4699	.4731	.5983	207.6	1.025	485.8	.4666
SDev	.0091	.0050	.0120	.9	.020	9.3	.0089
%RSD	1.943	1.048	1.998	.4131	1.988	1.915	1.899
#1	.4617	.4686	.5866	206.8	1.013	476.2	.4575
#2	.4684	.4722	.5977	208.5	1.015	486.3	.4670
#3	.4797	.4784	Q.6105	207.5	1.049	494.8	.4752

Elem	Hg	Ni	K	Se	Ag	Na	Tl
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0069	.9520	.3294	.9013	.9922	-.1589	.0095
SDev	.0145	.0041	.2769	.0427	.0168	.0376	.0255
%RSD	210.7	.4262	84.04	4.739	1.688	23.65	266.9
#1	-.0234	.9547	.2313	.8564	.9737	-.1509	.0116
#2	-.0007	.9474	.6420	.9061	.9965	-.1259	-.0169
#3	.0035	.9541	.1150	.9414	1.006	-.1998	.0339

Elem	V	Zn	B	Bi	Mo	P	S
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4902	.9828	.0051	-.0092	.0114	.0269	.1950
SDev	.0073	.0186	.0056	.0199	.0029	.0168	.0966
%RSD	1.493	1.894	109.0	215.6	25.24	62.57	49.55
#1	.4827	.9627	.0059	.0127	.0140	.0096	.1183
#2	.4906	.9863	.0103	-.0263	.0083	.0278	.3036
#3	.4973	.9995	-.0008	-.0141	.0118	.0432	.1632

Elem	Si	Sr	Sn	Ti	Y	Zr
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6906	.0165	.0102	.0067	-.0006	.0017
SDev	.0115	.0004	.0109	.0000	.0013	.0003
%RSD	1.658	2.304	107.3	.0000	219.1	20.38
#1	.6796	.0167	.0153	.0067	.0002	.0021
#2	.6899	.0168	-.0024	.0067	.0002	.0015
#3	.7025	.0161	.0176	.0067	-.0021	.0015

4. SHIPPING AND RECEIVING DOCUMENTS

Airbills
Chain-of-Custody Records
Sample Log-In Sheets
Miscellaneous Shipping/Receiving Records

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: XCG Consultants Ltd
Project Manager: Basil Wong
Address: 2620 Bristol Circle
Oakville, Ontario L6H 6Z7
Phone #: 905-829-8850 Fax #: 905-829-8890
Sampled by: Basil Wong

MB-022725

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	250AL	Level of contamination (low, high, unknown)
26	OSO2-1	1	Soil	Apr 29/02		✓	✓	
27	OSO2-2	"	"	"		✓		
28	OSO2-3	"	"	"		✓		
29	OSO2-~~4~~BW1	"	"	"		✓		
30	OSO2-4	"	"	"		✓		
31	OSO2-5	"	"	"		✓		
32	OSO2-6	"	"	"		✓		
33	OSO2-7	"	"	"		✓		
34	OSO2-8	"	"	"		✓		
35	OSO2-9	"	"	"		✓		

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ____

PROJECT INFORMATION

Project #: 3-997-02-10
Site: Depew, NY
PO#:
Philip Quote #: See Auth Bly the
Philip Project #:
Philip Contact: Auth Bly the

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

- New York TAGM 4046
- Require "Category A" report
- Hold samples, Don't throw

REMARKS

Client Signature:
Affiliation: XCG
Date/Time: Apr 26, 2002 5:15

Received By:
Affiliation:
Date/Time: 4-26-2 5:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: XCG Consultants Ltd
Project Manager: Basil Wong
Address: 2620 Bristol Circle
Oakville, Ontario L6H 6Z7
Phone #: 905-829-8880 Fax #: 905-829-8890
Sampled by: Basil Wong

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	TCAP metals	Level of contamination (low, high, unknown)
022736	OSO2-10	1	Soil	Apr 24,02		✓	2 SGAG
37	OSO2-11	"	"	"		✓	
38	OSO2-12	"	"	"		✓	
39	OSO2-13	"	"	"		✓	
40	OSO2-BW2	"	"	"		✓	
41	OSO2-14	"	"	"		✓	
42	OSO2-15	"	"	"		✓	
43	OSO2-16	"	"	"		✓	
44	OSO2-17	"	"	"		✓	
45	OSO2-18	"	"	"		✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ____

PROJECT INFORMATION

Project #: 3-997-02-10
Site: Depew, NY
PO#:
Philip Quote #: See Aida Blythe
Philip Project #:
Philip Contact: See Aida Blythe

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

- New York TAGM 4046
- Require "Category A" report
- Hold samples, don't throw

REMARKS

Client Signature:
Affiliation: XCG
Date/Time: April 26, 2002 8:15 AM

Received By:
Affiliation:
Date/Time: 4-26-2 8:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: KCG Consultants Ltd.
Project Manager: Basil Wong
Address: 2620 Bristol Circle
Oakville, Ontario L6H 6Z7
Phone #: 905-829-8880 Fax #: 905-829-8890
Sampled by: Basil Wong

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	Level of contamination (low, high, unknown)
022746	OSO2-19	1	Soil	Apr 24/02		✓	250AG
47	OSO2-20	"	"	"		✓	
48	OSO2-21	"	"	"		✓	
49	OSO2-22	"	"	"		✓	
50	OSO2-DW3	"	"	"		✓	
51	OSO2-23	"	"	"		✓	
52	OSO2-24	"	"	"		✓	
53	OSO2-25	"	"	"		✓	
54	OSO2-26	"	"	"		✓	
55	OSO2-27	"	"	"		✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

**some exceptions apply please contact Lab*

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ☐

PROJECT INFORMATION

Project #: 3-997-02-10
Site: Napoo, NY
PO#:
Philip Quote #: See Andy Blythe
Philip Project #:
Philip Contact: See Andy Blythe

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

- New York TAGM 4046
- Require "Category A" report
- Mold samples, don't throw

REMARKS

Client Signature:
Affiliation: KCG
Date/Time: April 26, 02 8:15

Received By:
Affiliation:
Date/Time: 4-26-2 8:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7
Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: XCG Consultants Ltd.
Project Manager: Basil Wong
Address: 2620 Bristol Circle
Oakville, Ontario L6H 6Z7
Phone #: 905-829-8880 Fax #: 905-829-8890
Sampled by:

ANALYSIS REQUESTED

ICAP metals

Level of contamination (low, high, unknown)

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	Analysis
022756	0502-28	1	Soil	Apr 24, 02		/	2 SOAG
57	0502-29	"	"	"		/	↓
58	0502-30	"	"	"		/	↓
59	0502-31	"	"	"		/	↓
60	0502-32	"	"	"		/	↓
61	0502-BW4	"	"	"		/	↓
62	0502-33	"	"	"		/	↓
63	0502-34	"	"	"		/	↓
64	0502-35	"	"	"		/	↓
65	0502-36	"	"	"		/	↓

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

some exceptions apply please contact Lab

STD 10 Business Days ☑
RUSH 5 Business Days ☐
RUSH 2 Business Days ☐
RUSH 1 Business Days ☐
Other Business Days ____

PROJECT INFORMATION

Project #: 3-997-02-10
Site: Depew, NY
PO#:
Philip Quote #: See Aida Blythe
Philip Project #:
Philip Contact: Aida Blythe

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

See page 1

REMARKS

Client Signature: [signature]
Affiliation: XCG
Date/Time: April 26, 02 8:15

Received By: [signature]
Affiliation:
Date/Time: 4-26-2 9:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: KCB Consultants Ltd
Project Manager:
Address:
Phone #: Fax #:
Sampled by:

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	Level of contamination (low, high, unknown)
022766	OSO2-37	1	Soil	Apr. 13/02		✓	25076
67	OSO2-38	1	1	1		✓	
68	OSO2-39	1	1	1		✓	
69	OSO2-40	1	1	1		✓	
70	OSO2-41	1	1	1		✓	
71	OSO2-BH5	1	1	1		✓	
72	OSO2-42	1	1	1		✓	
73	OSO2-43	1	1	1		✓	
74	OSO2-44	1	1	1		✓	
75	OSO2-45	1	1	1		✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

**some exceptions apply please contact Lab*

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

see page 1

REMARKS

Client Signature:
Affiliation: KCB
Date/Time: Apr. 26, 2002 9:15 AM

Received By:
Affiliation:
Date/Time: 4-26-2 8:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

Page 6 of 11

ANALYSIS REQUESTED

CLIENT INFORMATION

Company Name: XCG Consultants Ltd
Project Manager:
Address:

Phone #: Fax #:
Sampled by:

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals										Level of contamination (low, high, unknown)
022776	0502-46	1	Soil	Apr 24, 02		/								2 SOAG		
77	0502-47	"	"	"		/										
78	0502-48	"	"	"		/										
79	0502-49	"	"	"		/										
80	0502-50	"	"	"		/										
81	0502-51	"	"	"		/										
82	0502-52	"	"	"		/										
83	0502-53	"	"	Apr 25, 02		/										
84	0502-BW6	"	"	"		/										
85	0502-54	"	"	"		/										

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ___

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

See page 1

REMARKS

Client Signature: [signature]
Affiliation: XCG
Date/Time: April 26, 02 8:45 AM

Received By: [signature]
Affiliation:
Date/Time: 4-26-2 9:20

Rec'd By:
Date/Time:

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

00347

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: XCG Consultants Ltd
Project Manager:
Address:
Phone #: Fax #:
Sampled by:

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	2 52 AG	Level of contamination (low, high, unknown)
022786	0502-55	1	Soil	Apr 25/02		✓	✓	
87	0502-56	1	"	"		✓		
88	0502-57	1	"	"		✓		
89	0502-58	1	"	"		✓		
90	0502-59	1	"	"		✓		
91	0502-60	1	"	"		✓		
92	0502-61	1	"	"		✓		
93	0502-62	1	"	"		✓		
94	0502-63	1	"	"		✓		
95	0502-64	1	"	"		✓		

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

SPE page 1

REMARKS

Client Signature:
Affiliation: XCG
Date/Time: Apr 26, 2002 8:15 AM

Received By:
Affiliation:
Date/Time: 4-26-2 8:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: XCG Consultants Ltd
Project Manager:
Address:
Phone #: Fax #:
Sampled by:

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	✓ ICAP metals	Level of contamination (low, high, unknown)
022796	0502-BW7	1	Soil	Apr 25/02		✓	2 SOIL
97	0502-65	"	"	"		✓	
98	0502-66	"	"	"		✓	
99	0502-67	"	"	"		✓	
800	0502-68	"	"	"		✓	
801	0502-69	"	"	"		✓	
802	0502-70	"	"	"		✓	
803	0502-71	"	"	"		✓	
804	0502-72	"	"	"		✓	
805	0502-73	"	"	"		✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ____

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

see page 1

REMARKS

Client Signature:
Affiliation: XCG
Date/Time: April 26, 2002 8:15 AM

Received By:
Affiliation:
Date/Time: 4-26-2 9:20

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Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

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5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: XCG Consultants Ltd.
Project Manager:
Address:
Phone #: Fax #:
Sampled by:

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	Level of contamination (low, high, unknown)
072806	0502-BH8	1	Soil	Apr 25, 02		✓	2 soils
07	0502-74	"	"	"		✓	
08	0502-75	"	"	"		✓	
09	0502-76	"	"	"		✓	
10	0502-77	"	"	"		✓	
11	0502-78	"	"	"		✓	
12	0502-79	"	"	"		✓	
13	0502-80	"	"	"		✓	
14	0502-81	"	"	"		✓	
15	0502-82	"	"	"		✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ____

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

see page 1

REMARKS

Client Signature:
Affiliation: XCG
Date/Time: April 26, 2002 8:15 am

Received By:
Affiliation:
Date/Time: 4-26-2 8:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: AGC Consultants Ltd
Project Manager:
Address:
Phone #: Fax #:
Sampled by:

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICAP metals	Level of contamination (low, high, unknown)
022816	OSO2-83	1	Soil	Apr 25/02		✓	2 SOIL
17	OSO2-BW9	"	"	"		✓	
18	OSO2-84	"	"	"		✓	
19	OSO2-85	"	"	"		✓	
20	OSO2-86	"	"	"		✓	
21	OSO2-87	"	"	"		✓	
22	OSO2-88	"	"	"		✓	
23	OSO2-89	"	"	"		✓	
24	OSO2-90	"	"	"		✓	
25	OSO2-91	"	"	"		✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

*some exceptions apply please contact Lab

- STD 10 Business Days ☑
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ____

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

see page 1

REMARKS

Client Signature:
Affiliation: AGC
Date/Time: April 26, 2002 8:15

Received By:
Affiliation:
Date/Time: 4-26-2 9:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

CHAIN OF CUSTODY

ANALYTICAL SERVICES
5555 North Service Road
Burlington, Ontario L7L 5H7

Toll Free: 1-800-668-0639
Tel: (905) 332-8788
Fax: (905) 332-9169

CLIENT INFORMATION

Company Name: KCG Consultants Ltd.
Project Manager:
Address:
Phone #: Fax #:
Sampled by:

ANALYSIS REQUESTED

Philip Use Only	Field Sample ID	# Bottles	Matrix	Date	Time	ICP metals	2 50 AG	Level of contamination (low, high, unknown)
022826	0502-92	1	Soil	Apr 25/02		✓	✓	
27	0502-93	1	"	"		✓	✓	
28	0502-94	1	"	"		✓	✓	

TAT (Turnaround Time)

RUSH TAT MUST HAVE PRIOR APPROVAL

**some exceptions apply please contact Lab*

- STD 10 Business Days ☐
- RUSH 5 Business Days ☐
- RUSH 2 Business Days ☐
- RUSH 1 Business Days ☐
- Other Business Days ____

PROJECT INFORMATION

Project #:
Site:
PO#:
Philip Quote #:
Philip Project #:
Philip Contact:

SPECIAL DETECTION LIMITS

MISA ☐

SPECIAL REQUIREMENTS / REGULATIONS

see page 1

REMARKS

Client Signature:
Affiliation: KCG
Date/Time: Apr 26, 2002 8:15 AM

Received By:
Affiliation:
Date/Time: 4-26-2 8:20

Rec'd By:
Date/Time

WHITE - LAB / YELLOW - CLIENT

SEE OVER FOR COMPLETION & SAMPLING INSTRUCTIONS

Page ___ of ___

US SAMPLE RECEIPT LOG

XCG

Lab Name: PSC Analytical Services, Burlington Laboratory B. 104

Pickup/received by (Print Name): E Jones

Pickup/received by (Signature): E Jones Date: 4-26-2 Time: 12:30

Client Project ID:

REMARKS:		Condition of Samples/Sample Shipment: Comments
Driver Documentation		
Samples Packed in Coolers?	Yes ✓ No ___	
Cooler contains ice?	Yes ✓ No ___	
Chain of Custody present?	Yes ✓ No ___	
Custody Seal(s) on cooler?	Yes ___ No ✓	
Client aware of deficiencies?	Yes ___ No ___	
Sample Reception Documentation		
Date and Time Rec'd at Lab	02/04/26 1230	
Cooler Temperatures Measured?	Yes ✓ No ___	
Containers intact?	Yes ✓ No ___	
Correct containers used?	Yes ✓ No ___	
Sufficient Containers for analysis?	Yes ✓ No ___	
Correct preservatives used?	Yes ___ No ___	
Extra preservative added?	Yes ___ No ___	
Headspace present in VOC vials?	Yes ___ No ___	
Info on C of C agrees with samples?	Yes ✓ No ___	
Samples received after hold time?	Yes ___ No ✓	
Project Mgr contacted for clarification?	Yes ___ No ___	
Client contacted by Project Mgr?	Yes ___ No ___	
Client acceptance of deficiencies?	Yes ___ No ___	
Airbill Present?	Yes ___ No ✓	
Airbill No.		

Cooler temperatures upon receipt	
Cooler ID: 1	Temp. 17.8
Cooler ID: 2	Temp: 18.2
Cooler ID: 3	Temp. 17.7

Relinquished By: E Jones

Date: 4-26-2

Logbook No. ___

Logbook Page No ___

NOTICE OF SAMPLE RECEIPT - PHILIP ANALYTICAL SERVICES

Attention: Basil Wong
Client: XCG Consultants Ltd.
Re Client Project: 3-997-02-10
FAX #: 829-8890 #62
Phone #: 829-8880

Samples for: 6010 Metals- ICAP only - were received in good condition unless indicated below.

SAMPLE LISTING

Philip ID #	Sample ID	Date Sampled	Date Received
022726	OSO2-1	02/04/24	02/04/26
022727	OSO2-2	02/04/24	02/04/26
022728	OSO2-3	02/04/24	02/04/26
022729	OSO2-BW1	02/04/24	02/04/26
022730	OSO2-4	02/04/24	02/04/26
022731	OSO2-5	02/04/24	02/04/26
022732	OSO2-6	02/04/24	02/04/26
022733	OSO2-7	02/04/24	02/04/26
022734	OSO2-8	02/04/24	02/04/26
022735	OSO2-9	02/04/24	02/04/26
022736	OSO2-10	02/04/24	02/04/26
022737	OSO2-11	02/04/24	02/04/26
022738	OSO2-12	02/04/24	02/04/26
022739	OSO2-13	02/04/24	02/04/26
022740	OSO2-BW2	02/04/24	02/04/26
022741	OSO2-14	02/04/24	02/04/26
022742	OSO2-15	02/04/24	02/04/26
022743	OSO2-16	02/04/24	02/04/26
022744	OSO2-17	02/04/24	02/04/26
022745	OSO2-18	02/04/24	02/04/26
022746	OSO2-19	02/04/24	02/04/26
022747	OSO2-20	02/04/24	02/04/26
022748	OSO2-21	02/04/24	02/04/26
022749	OSO2-22	02/04/24	02/04/26
022750	OSO2-BW3	02/04/24	02/04/26
022751	OSO2-23	02/04/24	02/04/26
022752	OSO2-24	02/04/24	02/04/26
022753	OSO2-25	02/04/24	02/04/26
022754	OSO2-26	02/04/24	02/04/26
022755	OSO2-27	02/04/24	02/04/26
022756	OSO2-28	02/04/24	02/04/26
022757	OSO2-29	02/04/24	02/04/26
022758	OSO2-30	02/04/24	02/04/26
022759	OSO2-31	02/04/24	02/04/26
022760	OSO2-32	02/04/24	02/04/26
022761	OSO2-BW4	02/04/24	02/04/26
022762	OSO2-33	02/04/24	02/04/26
022763	OSO2-34	02/04/24	02/04/26
022764	OSO2-35	02/04/24	02/04/26

Comments: _____

Date 02/04/30

NOTICE OF SAMPLE RECEIPT-PHILIP ANALYTICAL SERVICES

Attention: Basil Wong
Client: XCG Consultants Ltd.
Re Client Project: 3-997-02-10
FAX #: 829-8890 #62
Phone #: 829-8880

Samples for: 6010 Metals - ICAP ONLY - were received in good condition unless indicated below.

SAMPLE LISTING

Philip ID #	Sample ID	Date Sampled	Date Received
022765	OSO2-36	02/04/24	02/04/26
022766	OSO2-37	02/04/24	02/04/26
022767	OSO2-38	02/04/24	02/04/26
022768	OSO2-39	02/04/24	02/04/26
022769	OSO2-40	02/04/24	02/04/26
022770	OSO2-41	02/04/24	02/04/26
022771	OSO2-BW5	02/04/24	02/04/26
022772	OSO2-42	02/04/24	02/04/26
022773	OSO2-43	02/04/24	02/04/26
022774	OSO2-44	02/04/24	02/04/26
022775	OSO2-45	02/04/24	02/04/26
022776	OSO2-46	02/04/24	02/04/26
022777	OSO2-47	02/04/24	02/04/26
022778	OSO2-48	02/04/24	02/04/26
022779	OSO2-49	02/04/24	02/04/26
022780	OSO2-50	02/04/24	02/04/26
022781	OSO2-51	02/04/24	02/04/26
022782	OSO2-52	02/04/24	02/04/26
022783	OSO2-53	02/04/25	02/04/26
022784	OSO2-BW6	02/04/25	02/04/26
022785	OSO2-54	02/04/25	02/04/26
022786	OSO2-55	02/04/25	02/04/26
022787	OSO2-56	02/04/25	02/04/26
022788	OSO2-57	02/04/25	02/04/26
022789	OSO2-58	02/04/25	02/04/26
022790	OSO2-59	02/04/25	02/04/26
022791	OSO2-60	02/04/25	02/04/26
022792	OSO2-61	02/04/25	02/04/26
022793	OSO2-62	02/04/25	02/04/26
022794	OSO2-63	02/04/25	02/04/26
022795	OSO2-64	02/04/25	02/04/26
022796	OSO2-BW7	02/04/25	02/04/26
022797	OSO2-65	02/04/25	02/04/26
022798	OSO2-66	02/04/25	02/04/26
022799	OSO2-67	02/04/25	02/04/26
022800	OSO2-68	02/04/25	02/04/26
022801	OSO2-69	02/04/25	02/04/26
022802	OSO2-70	02/04/25	02/04/26
022803	OSO2-71	02/04/25	02/04/26

Comments: _____

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Date 02/04/30

NOTICE OF SAMPLE RECEIPT - PHILIP ANALYTICAL SERVICES

Attention: Basil Wong
Client: XCG Consultants Ltd.
Re Client Project: 3-997-02-10
FAX #: 829-8890 #62
Phone #: 829-8880

Samples for: 6010 Metals - ICAP ONLY -
were received in good condition unless
indicated below.

SAMPLE LISTING

Philip ID #	Sample ID	Date Sampled	Date Received
022804	OSO2-72	02/04/25	02/04/26
022805	OSO2-73	02/04/25	02/04/26
022806	OSO2-BW8	02/04/25	02/04/26
022807	OSO2-74	02/04/25	02/04/26
022808	OSO2-75	02/04/25	02/04/26
022809	OSO2-76	02/04/25	02/04/26
022810	OSO2-77	02/04/25	02/04/26
022811	OSO2-78	02/04/25	02/04/26
022812	OSO2-79	02/04/25	02/04/26
022813	OSO2-80	02/04/25	02/04/26
022814	OSO2-81	02/04/25	02/04/26
022815	OSO2-82	02/04/25	02/04/26
022816	OSO2-83	02/04/25	02/04/26
022817	OSO2-BW9	02/04/25	02/04/26
022818	OSO2-84	02/04/25	02/04/26
022819	OSO2-85	02/04/25	02/04/26
022820	OSO2-86	02/04/25	02/04/26
022821	OSO2-87	02/04/25	02/04/26
022822	OSO2-88	02/04/25	02/04/26
022823	OSO2-89	02/04/25	02/04/26
022824	OSO2-90	02/04/25	02/04/26
022825	OSO2-91	02/04/25	02/04/26
022826	OSO2-92	02/04/25	02/04/26
022827	OSO2-93	02/04/25	02/04/26
022828	OSO2-94	02/04/25	02/04/26

Comments: _____

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Date 02/04/30

5. OTHER RECORDS