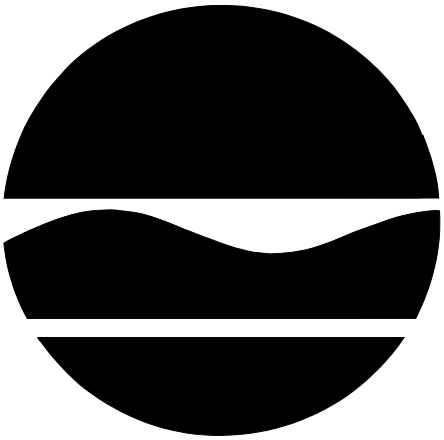
JULY 2004 SAMPLING REPORT

AlTech Specialty Steel Site
Site No. 907022
Dunkirk (C), Chautauqua County



November 2004

New York State Department of Environmental Conservation
GEORGE E. PATAKI, *Governor* **ERIN M. CROTTY**, *Commissioner*

TABLE OF CONTENTS

LIST OF FIGURES
(Following Report)

LIST OF APPENDICES

1.0 INTRODUCTION

This document reports a July 2004 sediment sampling effort conducted on July 21, 2004. Sediment samples were collected from an unnamed tributary to Crooked Brook which flow through and from the southeast corner of the AlTech Specialty Steel Site, Site # 907022. The samples were collected to supplement sampling being collected by Benchmark Environmental Engineering Services in continuation of the Supplemental Remedial Facilities Investigation (SRFI) being conducted at the facility.

1.1 PROJECT BACKGROUND

The AlTech Specialty Steel (AlTech) site is a 90 acre active industrial site which manufactures stainless steel rod, bar, and wire from 4.5" billets. The facility is located adjacent to a residential are which includes a recreational park. Running through the property is a tributary to a surface water stream named Crooked Brook. Area groundwater is not used for drinking. AlTech filed for bankruptcy in 1999 and emerged reorganized as Empire Specialty Steel. However, further financial problems have plagued the company which went bankrupt again in 2001. Since that time the facility has been obtained and the current owner of the property is operating as Dunkirk Specialty Steel.

In 1992 AlTech submitted a RCRA Facility Assessment (RFA) in accordance with the Resource Recovery and Conservation Act (RCRA), Corrective Action Program. This assessment identified 24 Solid Waste Management Units (SWMU's) and 11 Areas of Concern (AOC). Over the period 1995-1997 the company conducted RCRA Facilities Investigation (RFI) which has documented hazardous waste disposal in areas of the plant. Empire Specialty Steel had committed an environmental remediation trust fund and signed a RCRA order on consent in 1999 to remediate the Dunkirk property as well as a facility located in Watervliet. Additional investigation work is necessary and funding remains in place to complete a final RFI which is expected in 2004.

Initial RFI work had documented the disposal of hazardous waste at levels that are impacting the environment, i.e. groundwater and surface water/sediments. Monitoring of the groundwater found exceedances of standards for metals and chlorinated solvents. Hazardous waste, such as, chromium, lead, chlorinated solvents and polychlorinated biphenyls is present on the site. Limited RFI data suggests the contaminated groundwater is migrating off-site. Significant levels of

metals in surface soils may be contributing to metals being found in surface waters leading from the site (i.e. chromium detected at 630 ug/l in stream vs. 50 ug/l guidance value). Soil surrounding transformers have been found to have PCB contamination (87 mg/kg) while sediments in the on-site, man-made, Willowbrook pond contain PCBs as high as 2,100 mg/kg. These wastes are located in areas that may migrate to a nearby surface water stream or through groundwater to off site locations.

Based on residential areas surrounding the site, the proximity of the surface water stream, which has been impacted by site runoff, and the ability of the waste material to migrate from the site it was necessary to list this site on the Registry of Inactive Hazardous Waste Disposal Sites (Registry).

2.0 WORK PERFORMED

Six soil/sediment samples were collected by the Department on July 21, 2004. All samples were collected to determine the extent of possible PCB, total chromium and nickel. Four of the six samples, D08801 - D08804, were collected from a stream channel. The samples were collected from within a stream channel, therefore, they are considered to be sediment samples. The remaining two samples, D08805 and D08806, were collected outside of the normal stream channel within the normal flood plain, because these samples were not in the stream channel, they are considered soil samples.

Sediment sample D08801 was collected approximately three inches below the creek bed near the mouth of the culvert. Sample D08802 was collected in the stream bank 18 inches up the stream bank adjacent to sample location D08801. Sample D08803 was also in the stream bank but 18 inches further up the stream bank. Sample D08804 was an additional 18 inches up the bank from sample D08803.

Soil sample D08805 was collected from the south bank of the stream channel just before the stream turned south. Sample D08806 was collected south of sample D08805 approximately 60' south of Brigham Road 20 feet from the south bank of the stream and approximately 6" deep.

3.0 SAMPLE RESULTS:

A stated above four of the six samples were collected from a normal stream channel, because of this, a comparison of results to the Technical Guidance for Screening Contaminated Sediments[1] is applicable. The sediment criteria for metals identifies two levels of risk for metals contamination, these are the Lowest Effect Level and the Severe Effect Level. A sediment is considered to be contaminated if either criterion is exceeded. If only the lowest effect level is exceeded then the sediment is said to be moderately contaminated. If both of the levels are exceeded then the sediment is said to be severely contaminated.

Comparison of the four samples collected from the stream channel indicate that all four samples were impacted (table 1). All samples exceeded the lowest effect level for chromium and nickel indicating the sediments are at least moderately contaminated with chromium. Three of the four samples, sample D08801, D08802 and D08803, exceed the severe effect level for chromium, therefore, the sediments would be considered severely contaminated. Only sample D08804 did not exceed the severe impact level for either total chromium or nickel, therefore, it is concluded that three of the four samples are severely contaminated while only one sample, sample D08804 is moderately contaminated.

The four samples which may be considered sediments were not compared to the sediment criteria for PCBs. To be properly applied the screening criteria must also consider the total organic carbon (toc)content of the sample. Because none of the samples were analyzed for total organic carbon (toc) they could not be compared to the sediment screening criteria. Therefore, the samples were only compared to surface soil guidance values.

The four sediment samples and the two soil samples were compared to soil clean up guidance found in Technical, Administrative and Guidance Memorandum (TAGM) 4046[2] for PCBs. Four of the six samples exceed the 1 mg/kg surface soil concentration guidance value for PCBs (table 2). Two samples, one sediment sample D08804, collected approximately 54 inches up the bank of the stream and one soil sample D08806, collected approximately 20 feet from the stream channel did not exceed the guidance values for surface soil.

---

[1] New York State Department of Environmental Conservation, "Technical Guidance for Screening Contaminated Sediments", Division of Fish, Wildlife and Marine Resources, January 1999, 39 pp.

[2] New York State Department of Environmental Conservation, Technical Guidance and Administrative Memorandum, HWR 4046, "Determination of Soil Cleanup Objectives and Cleanup Levels", Division of Environmental Remediation, January 24, 1994

The family of chemicals known as PCBs can be further identified by specific cogeners of the compound. Each cogener is identified by a specific number. All six of the sample results noted the presence of the cogener PCB 1248. However only sample D08804 had positive results for the cogener PCB 1260. PCB 1260 was found at 230 ug/kg. Although sample D08804 also contained PCB-1248 at 450 ug/kg both concentrations added together indicated that total PCBs were still below the 1 mg/kg surface soil guidance value.

The two soil samples D08805 and D08806 were compared to TAGM guidance values for total chromium and nickel. Both samples exceeded Eastern United States background soil concentrations for chromium and nickel.

4.0 CONCLUSIONS:

Sample results indicate that PCB contamination associated with the AlTech Specialty Steel Site has impacted the stream channel and local flood plain of the tributary to Crooked Brook. contamination was found in all six samples but only four of the six samples exceeded the soil cleanup guidance in TAGM 4046. The presence of PCBs within the sediments and the flood plain could be evidence that PCBs could be, or have, at some time, escaped Willowbrook Pond.

Offsite sediments and soils have also been impacted by metals contamination associated with the AlTech Specialty Steel Site. Total chromium and nickel contamination were also found in the stream channel and in the flood plain soils. Three of the four sediment samples could be identified as severely contaminated with only sample D08804 considered being moderately contaminated. Both soil samples collected from the flood plain were also impacted by total chromium and nickel at numbers that exceed Eastern United States background levels.

Table 2
Sediment Sample Results

CAS Number	units	guidance values	Analyte	D08801	D08802	D08803	D08804
Lowest effect	mg/kg	26	Chromium	762	299	180	31.5
Severe effect	mg/kg	110	Chromium	762	299	180	31.5
Lowest effect	mg/kg	16	Nickel	549	295	179	35.0
Severe effect	mg/kg	50	Nickel	549	295	179	35.0

A "J" value is an estimated value.
A shaded value indicates that the value exceeds Standards.

Table 2
Sample Results
Compared to TAGM 4046 Soil Values

CAS Number	units	guidance values	Analyte	D08801	D08802	D08803	D08804	D08805	D08806
7440-47-3	mg/kg	10 or SB*	Chromium	N/A	N/A	N/A	N/A	287	282
7440-02-0	mg/kg	13 or SB**	Nickel	N/A	N/A	N/A	N/A	317	263
12672-29-6	ug/kg	1 - 10 mg/kg***	PCB-1248	16000	11000	5000J	450	7100	730
11096-82-5	ug/kg	1 - 10 mg/kg***	PCB-1260	ND	ND	ND	230	ND	ND

A "J" value is an estimated value.
A shaded value indicates that the value exceeds Standards.
N/A - Not Applicable
ND - Not Detected
* Eastern US Background - Chromium: 1.5 - 40 mg/kg
** Eastern US Background - Nickel: 0.5 - 25 mg/kg
*** 1 mg/kg surface, 10 mg/kg 1 foot below surface for soils (note: soil values used, sediment values are based upon total organic carbon content of sediment which were not analyzed in this sampling)

FIGURES

Figure 1
AlTech Specialty Steel Site
Site No. 907022

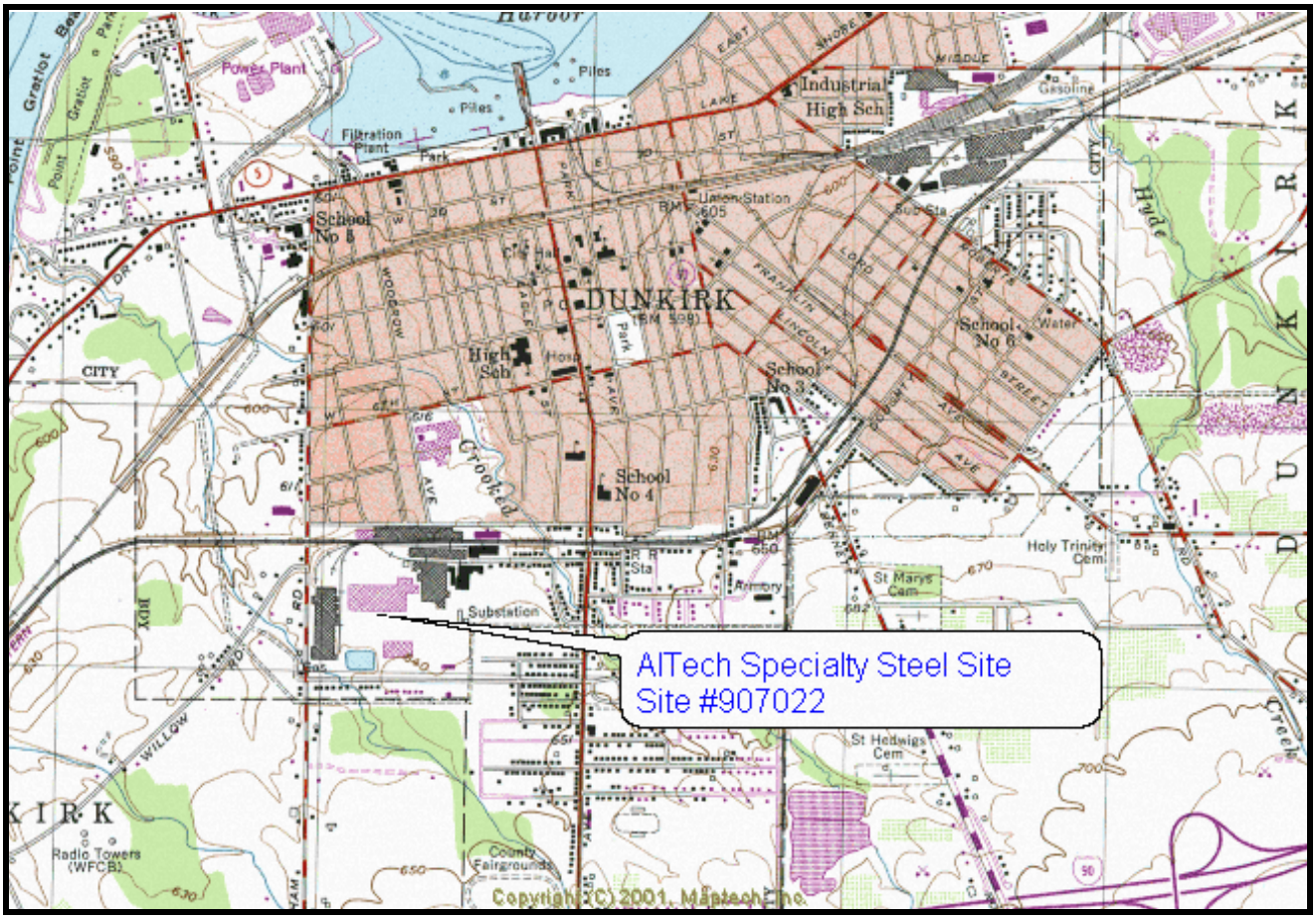
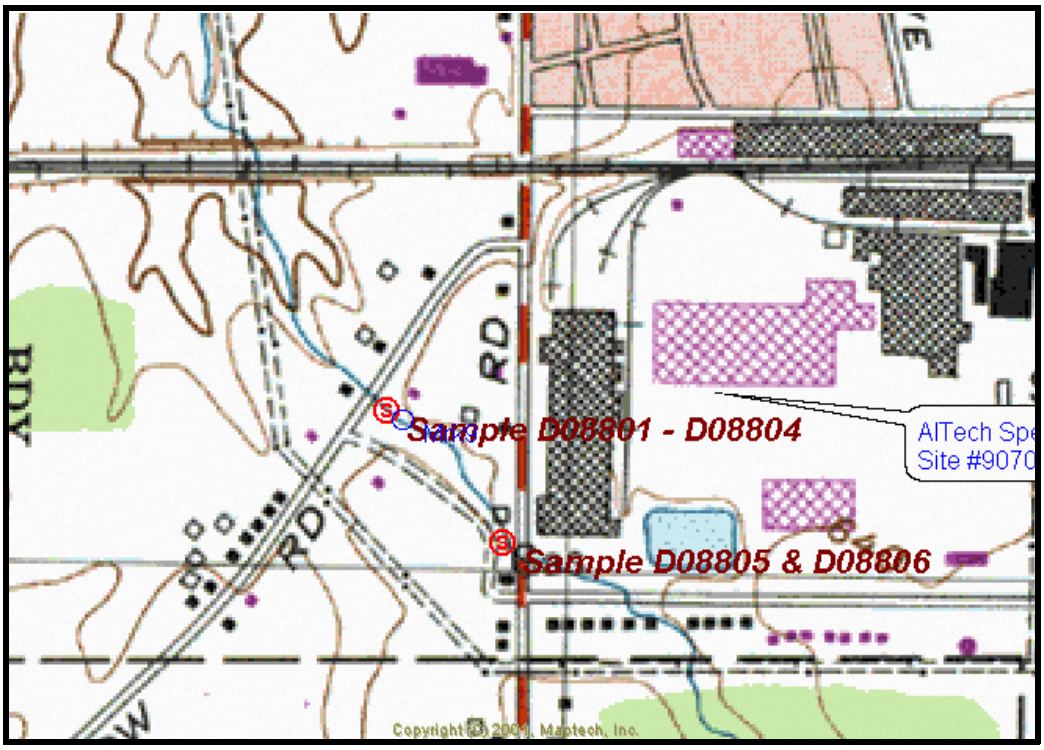


Figure 2
Sampling Locations



ANALYTICAL REPORT

Job#: A04-6905

STL Project#: NY1A8770.9
SDG#: 0721
Site Name: NYS DEC ASP Contract #C004154 - Region 9
Task: CASE SH904

Mr. Larry Bailey
NYSDEC
625 Broadway - 4th Floor
Albany, NY 12233

CC: Mr. Maurice Moore

STL Buffalo

Brian J. Fischer
Project Manager

08/20/2004

STL Buffalo
Current Certifications

STATE	Program	Cert # / Lab ID
Arkansas	SDWA, CWA, RCRA, SOIL	03-054-D/88-0686
California	NELAP SDWA, CWA, RCRA	01169CA
Connecticut	SDWA, CWA, RCRA, SOIL	PH-0568
Florida	NELAP RCRA	E87672
Georgia	SDWA	956
Illinois	NELAP SDWA, CWA, RCRA	200003
Iowa	SW/CS	374
Kansas	NELAP SDWA, CWA, RCRA	E-10187
Kentucky	SDWA	90029
Kentucky UST	UST	30
Louisiana	NELAP CWA, RCRA	2031
Maine	SDWA, CWA	NY044
Maryland	SDWA	294
Massachusetts	SDWA, CWA	M-NY044
Michigan	SDWA	9937
Minnesota	CWA, RCRA	036-999-337
New Hampshire	NELAP SDWA, CWA	233701
New Jersey	SDWA, CWA, RCRA, CLP	NY455
New York	NELAP, AIR, SDWA, CWA, RCRA	10026
North Carolina	CWA	411
North Dakota	SDWA, CWA, RCRA	R-176
Oklahoma	CWA, RCRA	9421
Pennsylvania	Env. Lab Reg.	68-281
South Carolina	RCRA	91013
USDA	FOREIGN SOIL PERMIT	S-41579
Virginia	SDWA	278
Washington	CWA	C254
West Virginia	CWA	252
Wisconsin	CWA	998310390

SAMPLE DATA SUMMARY PACKAGE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4690501	D08801	07/21/2004	10:30	07/22/2004	11:03
A4690502	D08802	07/21/2004	10:35	07/22/2004	11:03
A4690503	D08803	07/21/2004	10:40	07/22/2004	11:03
A4690504	D08804	07/21/2004	10:45	07/22/2004	11:03
A4690505	D08805	07/21/2004	11:00	07/22/2004	11:03
A4690506	D08806	07/21/2004	11:15	07/22/2004	11:03

METHODS SUMMARY

Job#: A04-6905

STL Project#: NY1A8770.9
SDG#: 0721
Site Name: NYS DEC ASP Contract #C004154 - Region 9

PARAMETER	ANALYTICAL METHOD	
NYSDEC - METHOD 8082 - PCBS- S	ASP00	8082
Chromium - Total	ASP00	6010
Nickel - Total	ASP00	6010
Leachable pH	ASP00	9045

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-6905

STL Project#: NY1A8770.9
SDG#: 0721
Site Name: NYS DEC ASP Contract #C004154 - Region 9

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-6905
Sample Cooler(s) were received at the following temperature(s); 4.6 °C
All sample ID's listed on COC start with the letter B. All sample ID's listed on green sheets start with the letter D. Samples logged off of green sheet ID's at direction of PM.

GC Extractable Data

For method 8082, some samples required dilution prior to analysis due to the high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater.

For method 8082, sample D08803 has a positive value reported for Aroclor-1248 that is above the laboratory quantification limit, but below the Project Reporting Limit. The value is flagged as "J" to indicate this, though the value is not considered estimated and is a valid number by method definition.

Metals Data

The recovery of sample D08801 Matrix Spike exhibited results below the quality control limits for Chromium and Nickel. The recovery of sample D08801 Matrix Spike Duplicate exhibited results above quality control limits for Nickel and below quality control limits for Chromium. The sample result is more than four times greater than the spike added. The LCS is acceptable.

The recovery of sample D08801 Post Spike exhibited results below the quality control limits for Chromium and Nickel. However, the LCS was acceptable.

The RPD of sample D08801 and the Matrix Duplicate exceeded quality control limits for Chromium. However, the LCS was acceptable.

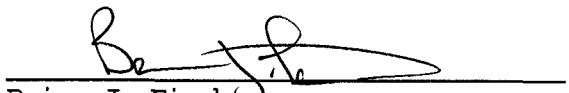
Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

8-20-04
Date

Date: 08/19/2004
Time: 12:55:22

Dilution Log w/Code Information
For Job A04-6905

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
D08801	A4690501	8082	100.00	008
D08802	A4690502	8082	100.00	008
D08803	A4690503	8082	50.00	008
D08805	A4690505	8082	50.00	008

Dilution Code Definition:

002 - sample matrix effects
003 - excessive foaming
004 - high levels of non-target compounds
005 - sample matrix resulted in method non-compliance for an Internal Standard
006 - sample matrix resulted in method non-compliance for Surrogate
007 - nature of the TCLP matrix
008 - high concentration of target analyte(s)
009 - sample turbidity
010 - sample color
011 - insufficient volume for lower dilution
012 - sample viscosity
013 - other

DATA COMMENT PAGE

ORGANIC DATA QUALIFIERS

ND or U	Indicates compound was analyzed for, but not detected at or above the reporting limit.
J	Indicates an estimated value. This flag is used either when estimating a concentration for tentatively identified compounds where a 1:1 response is assumed, or when the data indicates the presence of a compound that meets the identification criteria but the result is less than the sample quantitation limit but greater than zero.
C	This flag applies to pesticide results where the identification has been confirmed by GC/MS.
B	This flag is used when the analyte is found in the associated blank, as well as in the sample.
E	This flag identifies compounds whose concentrations exceed the calibration range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at the secondary dilution factor.
N	Indicates presumptive evidence of a compound. This flag is used only for tentatively identified compounds, where the identification is based on the Mass Spectral library search. It is applied to all TIC results.
P	This flag is used for a pesticide/Aroclor target analyte when there is greater than 25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on the data page and flagged with a "P".
A	This flag indicates that a TIC is a suspected aldol-condensation product.
[1]	Indicates coelution.
*	Indicates analysis is not within the quality control limits.

INORGANIC DATA QUALIFIERS

ND or U	Indicates element was analyzed for, but not detected at or above the reporting limit.
J or B	Indicates a value greater than or equal to the instrument detection limit, but less than the quantitation limit.
N	Indicates spike sample recovery is not within the quality control limits.
K	Indicates the post digestion spike recovery is not within the quality control limits.
S	Indicates value determined by the Method of Standard Addition.
M	Indicates duplicate injection results exceeded quality control limits.
W	Post digestion spike for Furnace AA analysis is out of quality control limits (85-115%) while sample absorbance is less than 50% of spike absorbance.
E	Indicates a value estimated or not reported due to the presence of interferences.
H	Indicates analytical holding time exceedance. The value obtained should be considered an estimate.
*	Indicates analysis is not within the quality control limits.
+	Indicates the correlation coefficient for the Method of Standard Addition is less than 0.995.

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08801

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690501

Sample wt/vol: 30.19 (g/mL) G Lab File ID: 12B18066.TX0

% Moisture: 36.9 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 7.05 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	13000	U
11104-28-2	PCB-1221	13000	U
11141-16-5	PCB-1232	13000	U
53469-21-9	PCB-1242	13000	U
12672-29-6	PCB-1248	16000	
11097-69-1	PCB-1254	13000	U
11096-82-5	PCB-1260	13000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08802

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690502

Sample wt/vol: 30.32 (g/mL) G Lab File ID: 12B18067.TX0

% Moisture: 25.4 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 7.40 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	11000	U
11104-28-2	PCB-1221	11000	U
11141-16-5	PCB-1232	11000	U
53469-21-9	PCB-1242	11000	U
12672-29-6	PCB-1248	11000	
11097-69-1	PCB-1254	11000	U
11096-82-5	PCB-1260	11000	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08803

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690503

Sample wt/vol: 30.16 (g/mL) G Lab File ID: 12B18068.TX0

% Moisture: 23.8 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.20 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	5200	U
11104-28-2	PCB-1221	5200	U
11141-16-5	PCB-1232	5200	U
53469-21-9	PCB-1242	5200	U
12672-29-6	PCB-1248	5000	J
11097-69-1	PCB-1254	5200	U
11096-82-5	PCB-1260	5200	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.: D08804

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690504

Sample wt/vol: 30.42 (g/mL) G Lab File ID: 12B18069.TX0

% Moisture: 3.6 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.30 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	82	U
11104-28-2	PCB-1221	82	U
11141-16-5	PCB-1232	82	U
53469-21-9	PCB-1242	82	U
12672-29-6	PCB-1248	450	
11097-69-1	PCB-1254	82	U
11096-82-5	PCB-1260	230	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08805

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690505

Sample wt/vol: 30.17 (g/mL) G Lab File ID: 12B18070.TX0

% Moisture: 39.0 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.13 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	6500	U
11104-28-2	PCB-1221	6500	U
11141-16-5	PCB-1232	6500	U
53469-21-9	PCB-1242	6500	U
12672-29-6	PCB-1248	7100	
11097-69-1	PCB-1254	6500	U
11096-82-5	PCB-1260	6500	U

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08806

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690506

Sample wt/vol: 30.93 (g/mL) G Lab File ID: 12B18071.TX0

% Moisture: 39.4 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.62 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	130	U
11104-28-2	PCB-1221	130	U
11141-16-5	PCB-1232	130	U
53469-21-9	PCB-1242	130	U
12672-29-6	PCB-1248	730	
11097-69-1	PCB-1254	130	U
11096-82-5	PCB-1260	130	U

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08801

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439355

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 63

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	762		*	P
7440-02-0	Nickel	549			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08802

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439359

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 75

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	299		*	P
7440-02-0	Nickel	295			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08803

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439360

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 76

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	180		*	P
7440-02-0	Nickel	179			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08804

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439361

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 96

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	31.5		*	P
7440-02-0	Nickel	35.0			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08805

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439362

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 61

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	287		*	P
7440-02-0	Nickel	317			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08806

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439363

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 61

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	282		*	P
7440-02-0	Nickel	263			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.

D08801

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690501

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.05				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.

D08802

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690502

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.40				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.

D08803

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690503

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.20				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.

D08804

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690504

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.30				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.

D08805

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690505

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.13				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.

D08806

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690506

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.62				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
SOIL SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

GC Column(1): ZB-5 ID: 0.53 (mm)

Level (low/med): LOW

	Client Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	D08801	0	D	0	D							0
2	D08802	0	D	0	D							0
3	D08803	0	D	0	D							0
4	D08804	96		74								0
5	D08805	0	D	0	D							0
6	D08806	124		82								0
7	Matrix Spike Blank	93		84								0
8	Matrix Spike Blk Dup	98		84								0
9	Method Blank	106		78								0

QC LIMITS

(DCBP) = Decachlorobiphenyl (30-150)
(TCMX) = Tetrachloro-m-xylene (30-150)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
SOIL MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: C004154 Lab Samp ID: A4B1331503

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix Spike - Client Sample No.: Method Blank Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.	+ =
PCB-1260	161	139	86	41 - 139	
PCB-1016	161	140	87	39 - 131	

COMPOUND	SPIKE ADDED UG/KG	MSBD CONCENTRATION UG/KG	MSBD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	+ =
Aroclor 1260	166	143	87	1	35	41 - 139	
Aroclor 1016	166	138	83	5	35	39 - 131	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike recovery: 0 out of 4 outside limits

Comments: _____

STL BUFFALO

NYS DEC

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

D08801MS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		577.2126		762.2983		30.84	-600.1		P
Nickel		574.4557		548.5195		77.09	33.6		P

Comments:

STL BUFFALO

NYS DEC

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

D08801SD

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		634.6817		762.2983		31.83	-400.9		P
Nickel		655.4033		548.5195		79.57	134.3		P

Comments:

STL BUFFALO

NYS DEC
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

D08801A

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Chromium	75 - 125	4948.53		4809.34		200.0	69.6	*	P
Nickel	75 - 125	3580.20		3460.61		200.0	59.8	*	P

Comments:

STL BUFFALO

NYS DEC
-6-
DUPLICATES

SAMPLE NO.

D08801MD

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1 % Solids for Duplicate: 63.1

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		762.2983		494.4799		42.6	*	P
Nickel		548.5195		494.6037		10.3		P

STL BUFFALO

NYS DEC
-6-
DUPLICATES

SAMPLE NO.

D08801SD

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1 % Solids for Duplicate: 63.1

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		577.2126		634.6817		9.5		P
Nickel		574.4557		655.4033		13.2		P

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Lab Sample ID: A4B1331503 Lab File ID: 12B18064.TX0

Matrix: (soil/water) SOIL Extraction: SONC

Sulfur Cleanup: (Y/N): N Date Extracted: 07/26/2004

Date Analyzed (1): 07/27/2004 Date Analyzed (2): _____

Time Analyzed (1): 09:04 Time Analyzed (2): _____

Instrument ID (1): HP5890-12 Instrument ID (2): _____

GC Column (1): ZB-5 Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	D08801	A4690501	07/27/2004	
2	D08802	A4690502	07/27/2004	
3	D08803	A4690503	07/27/2004	
4	D08804	A4690504	07/27/2004	
5	D08805	A4690505	07/27/2004	
6	D08806	A4690506	07/27/2004	
7	Matrix Spike Blank	A4B1331501	07/27/2004	
8	Matrix Spike Blk Dup	A4B1331502	07/27/2004	

Comments: _____

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

Method Blank

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4B1331503

Sample wt/vol: 30.81 (g/mL) G Lab File ID: 12B18064.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	78	U
11104-28-2	PCB-1221	78	U
11141-16-5	PCB-1232	78	U
53469-21-9	PCB-1242	78	U
12672-29-6	PCB-1248	78	U
11097-69-1	PCB-1254	78	U
11096-82-5	PCB-1260	78	U

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	1.2	U	1.2	U	1.2	U	1.2	U	0.119	U	P
Nickel	1.4	U	1.4	U	1.4	U	1.4	U			P

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			1.2	U	1.2	U	1.2	U			P
Nickel			1.4	U	1.4	U	1.4	U			P

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			1.2	U	1.2	U	1.2	U			P
Nickel			1.4	U	1.4	U	1.4	U			P

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Nickel	1.0	U	1.0	U	1.0	U			-0.104	B	P

Comments:

SAMPLE DATA PACKAGE

SDG NARRATIVE

SAMPLE SUMMARY

LAB SAMPLE ID	CLIENT SAMPLE ID	SAMPLED DATE	SAMPLED TIME	RECEIVED DATE	RECEIVED TIME
A4690501	D08801	07/21/2004	10:30	07/22/2004	11:03
A4690502	D08802	07/21/2004	10:35	07/22/2004	11:03
A4690503	D08803	07/21/2004	10:40	07/22/2004	11:03
A4690504	D08804	07/21/2004	10:45	07/22/2004	11:03
A4690505	D08805	07/21/2004	11:00	07/22/2004	11:03
A4690506	D08806	07/21/2004	11:15	07/22/2004	11:03

METHODS SUMMARY

Job#: A04-6905

STL Project#: NY1A8770.9
SDG#: 0721
Site Name: NYS DEC ASP Contract #C004154 - Region 9

PARAMETER	ANALYTICAL METHOD	
NYSDEC - METHOD 8082 - PCBS- S	ASP00	8082
Chromium - Total	ASP00	6010
Nickel - Total	ASP00	6010
Leachable pH	ASP00	9045

ASP00 "Analytical Services Protocol", New York State Department of Conservation, June 2000.

NON-CONFORMANCE SUMMARY

Job#: A04-6905

STL Project#: NY1A8770.9
SDG#: 0721
Site Name: NYS DEC ASP Contract #C004154 - Region 9

General Comments

The enclosed data have been reported utilizing data qualifiers (Q) as defined on the Data Comment Page.

Soil, sediment and sludge sample results are reported on "dry weight" basis unless otherwise noted in this data package.

According to 40CFR Part 136.3, pH, Chlorine Residual and Dissolved Oxygen analyses are to be performed immediately after aqueous sample collection. When these parameters are not indicated as field (e.g. pH-Field), they were not analyzed immediately, but as soon as possible after laboratory receipt.

Sample dilutions were performed as indicated on the attached Dilution Log. The rationale for dilution is specified by the 3-digit code and definition.

Sample Receipt Comments

A04-6905
Sample Cooler(s) were received at the following temperature(s); 4.6 °C
All sample ID's listed on COC start with the letter B. All sample ID's listed on green sheets start with the letter D. Samples logged off of green sheet ID's at direction of PM.

GC Extractable Data

For method 8082, some samples required dilution prior to analysis due to the high concentration of target analytes. The surrogates are diluted out of all sample extracts with a dilution factor of 10X or greater.

For method 8082, sample D08803 has a positive value reported for Aroclor-1248 that is above the laboratory quantification limit, but below the Project Reporting Limit. The value is flagged as "J" to indicate this, though the value is not considered estimated and is a valid number by method definition.

Metals Data

The recovery of sample D08801 Matrix Spike exhibited results below the quality control limits for Chromium and Nickel. The recovery of sample D08801 Matrix Spike Duplicate exhibited results above quality control limits for Nickel and below quality control limits for Chromium. The sample result is more than four times greater than the spike added. The LCS is acceptable.

The recovery of sample D08801 Post Spike exhibited results below the quality control limits for Chromium and Nickel. However, the LCS was acceptable.

The RPD of sample D08801 and the Matrix Duplicate exceeded quality control limits for Chromium. However, the LCS was acceptable.

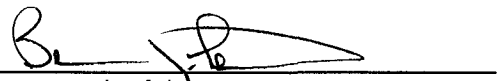
Wet Chemistry Data

No deviations from protocol were encountered during the analytical procedures.

****

The results presented in this report relate only to the analytical testing and condition of the sample at receipt. This report pertains to only those samples actually tested. All pages of this report are integral parts of the analytical data. Therefore, this report should be reproduced only in its entirety.

"I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or his designee, as verified by the following signature."



Brian J. Fischer
Project Manager

8-20-04

Date

CHAIN OF CUSTODY DOCUMENTATION

STL LABS

LOZIER LABORATORIES, INC.
595 N. Winton Rd., Rochester, NY 14609
3611 Water St., Middlesex, NY 14507
(888) 841-5227 (716) 554-4114

COMPANY NAME	TURNAROUND TIME
NYS DEC	☑ Standard Service ☐ Rush Service
PROJECT NAME / NUMBER	Date Req.: 8 / 23 / 04
907022	Phone No.: (716) 851 - 7220
	Fax No.: (716) 851 - 7226

SEND REPORT TO:
MAURICE F. MOORE
NYS DEC
270 Michigan Ave
Buffalo NY 14304

~~SEND INVOICE TO:~~
NYS DEC - ALBANY
Larry Bailey

P.O. #

CHAIN OF CUSTODY RECORD
Laboratory ID Number

SAMPLE ID	DATE	TIME	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	PCB's	TOTAL CHROMIUM	DICKEL
B08801	7/21	10:30		✓		✓		1	1	1
B08802	11	10:35		✓		✓		1	1	1
B08803	11	10:40		✓		✓		1	1	1
B08804	11	10:45		✓		✓		1	1	1
B08805	11	11:00		✓		✓		1	1	1
B08806	11	11:15		✓		✓		1	1	1

REMARKS: 6 Soil/Sediment Samples - Analysis Reqd PCB's, TOTAL Cr & Ni

TOTAL CONTAINERS

CUSTODY SEAL INTACT? ☒ YES ☐ NO ☐ N/A

SHIPMENT COMPLETE? ☐ YES ☐ NO ☐ N/A

SAMPLER'S NAME: MAURICE MOORE

SIGNATURE:

TEMPERATURE: 4.6 °C ☐ TS ☐ TB ☐ TM

SAMPLES RELENQUISHED BY			SAMPLES RECEIVED BY		
NAME AND SIGNATURE	DATE	TIME	NAME AND SIGNATURE	DATE	TIME
	7/22/04	8:50	1. David S. Sypniewski	7/22/04	8:50
David S. Sypniewski	7/22/04	11:03	2.		
			Received for Laboratory by: JR	07/22/04	1103

48\607

LOZIER ANALYTICAL GROUP — **ORIGINAL**-LAB COPY — **YELLOW**-CUSTOMER COPY — **PINK**-SAMPLER COPY — **CONFIDENTIAL INFORMATION**

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity (Per Col BSF)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☒ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☒ 48. Other (TOTAL) Chromium + Nickel
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	Chautauqua	7/21/04	10:30

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S1H904	07212	D10818011	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:
Willow Rd. TRIB BRP ALTECH #1
#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER
9 1 0 1 7 1 0 2 1 2

50\607

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity — PCB CDL (BSL)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☒ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☒ 48. Other TDT. CHROMIUM & NICKEL
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. MOORE	716 857-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	CHAUTAUQUA	7/21/04	10:35

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
31H9104	07211	D10181012	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TRIB Willow Rd BRP ALTECH #2 #907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 1 7 0 1 2 1

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other ______
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other ______

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity — Prior JDL BSF
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☑ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other TOT. CHROMIUM & NICKEL
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other ______

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 857-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	CHAUTAUQUA	7/21/04	10:40

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ______

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S1H9014	D17211	D1018103	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd TRIB BRP AUTECH #3

#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: ______ GPD ______ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 7 0 2 2

52\607

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity — Pur GOL (BJs)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☒ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☒ 48. Other TDT. Chromium & Nickel
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	Chautauqua	7/21/04	1045

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S1H910H	07211	D08804	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd TRIB BRP ALTECH #4

#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 1 0 1 7 1 0 1 2 1 2 1

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 10. pH
☐ 13. Settleable Solids
☐ 16. Nitrate/Nitrite
☐ 19. Oil/Grease)
☐ 22. Other ______
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 11. COD
☐ 14. TKN
☐ 17. Total Phosphorus
☐ 20. TOC
☐ 59. PCBs at 0.065 ug/l
☐ 62. CBOD
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 9. BOD
☐ 12. TSS
☐ 15. Ammonia
☐ 18. Reactive Phosphorus
☐ 21. Total Phenols
☐ 60. PCBs congener method (ASP 91-11)
☐ 64. Total Solids
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 28 Cyanide—Water
☐ 66 Dioxin-Water (ASP #91-7)
☐ 35 Other ______
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 33. Metals—23 in Soil/Sediments)
☐ 34. Cyanide—Soil/Sediments)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 39. Corrosivity — PCB (DL 0.5?)
☑ 42. Pesticides/PCBs (USEPA 8081)
☐ 45. Reactivity
☑ 48. Other TOT CHROMIUM & Nickel
☐ 37. EP Toxicity (Metals Only)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 43. TCLP
☐ 46. Dioxin (USEPA 8280)
☐ 63 Percent Solids
☐ 38. Ignitability
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 44. TCLP (Metals Only)
☐ 47. Appendix IX
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other ______

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
H. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	Chautauqua	7/21/04	11:00

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ______

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
5H9014	07211	D1018105	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd Trib BRP Auzrch #5
#907022

Report via Category B, unless checked ☐
Check if field duplicate ☐ Outfall Number
Check if sampling is part of inspection ☐
FLOW: ______ GPD ______ MGD

SPDES NUMBER/REGISTRY NUMBER

9107022

54\607

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals	☐ 3. Volatiles—(USEPA 624 GC/MS)	☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)	☐ 5. Cyanide	☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)	☐ 8. Aromatic Volatiles USEPA 602 GC)	☐ 12. TSS
☐ 10. pH	☐ 11. COD	☐ 15. Ammonia
☐ 13. Settleable Solids	☐ 14. TKN	☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite	☐ 17. Total Phosphorus	☐ 21. Total Phenols
☐ 19. Oil/Grease)	☐ 20. TOC	☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____	☐ 59. PCBs at 0.065 ug/l	☐ 64. Total Solids
	☐ 62. CBOD	☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28	☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)	☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)	☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)	☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water	☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water	☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)	☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____	

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity	☐ 37. EP Toxicity (Metals Only)	☐ 38. Ignitability
☐ 39. Corrosivity — Pest (OC (BJ+)	☐ 40. VOA—(USEPA 8260 GC/MS)	☐ 41. BNA—(USEPA 8270 GC/MS)
☑ 42. Pesticides/PCBs (USEPA 8081)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☑ 48. Other TOT Chromium & Nickel	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
SJL	CHAUTAUQUA	7/21/04	11:15

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S H 9 0 4	0 7 2 1	D 0 8 8 0 6	☐ This sample	☑ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd TRIB BRP ALTECH #6

#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 1 7 0 2 2 1

METHOD 8082 DATA

QC SUMMARY

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
SOIL SURROGATE RECOVERY

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

GC Column(1): ZB-5 ID: 0.53 (mm)

Level (low/med): LOW

	Client Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	D08801	0	D	0	D							0
2	D08802	0	D	0	D							0
3	D08803	0	D	0	D							0
4	D08804	96		74								0
5	D08805	0	D	0	D							0
6	D08806	124		82								0
7	Matrix Spike Blank	93		84								0
8	Matrix Spike Blk Dup	98		84								0
9	Method Blank	106		78								0

QC LIMITS

(DCBP) = Decachlorobiphenyl (30-150)
(TCMX) = Tetrachloro-m-xylene (30-150)

\# Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogates diluted out

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
SOIL MATRIX SPIKE BLANK/MATRIX SPIKE BLANK DUPLICATE RECOVERY

Lab Name: STL Buffalo Contract: C004154 Lab Samp ID: A4B1331503

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix Spike - Client Sample No.: Method Blank Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.	+ =
PCB-1260	161	139	86	41 - 139	
PCB-1016	161	140	87	39 - 131	

COMPOUND	SPIKE ADDED UG/KG	MSBD CONCENTRATION UG/KG	MSBD % REC #	% RPD #	QC LIMITS RPD	QC LIMITS REC.	+ =
Aroclor 1260	166	143	87	1	35	41 - 139	
Aroclor 1016	166	138	83	5	35	39 - 131	

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD: 0 out of 2 outside limits
Spike recovery: 0 out of 4 outside limits

Comments: _____

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
METHOD BLANK SUMMARY

Client No.

Method Blank

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Lab Sample ID: A4B1331503 Lab File ID: 12B18064.TX0

Matrix: (soil/water) SOIL Extraction: SONC

Sulfur Cleanup: (Y/N): N Date Extracted: 07/26/2004

Date Analyzed (1): 07/27/2004 Date Analyzed (2): _____

Time Analyzed (1): 09:04 Time Analyzed (2): _____

Instrument ID (1): HP5890-12 Instrument ID (2): _____

GC Column (1): ZB-5 Dia: 0.53(mm) GC Column (2): _____ Dia: ____(mm)

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

	CLIENT SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED 1	DATE ANALYZED 2
1	D08801	A4690501	07/27/2004	
2	D08802	A4690502	07/27/2004	
3	D08803	A4690503	07/27/2004	
4	D08804	A4690504	07/27/2004	
5	D08805	A4690505	07/27/2004	
6	D08806	A4690506	07/27/2004	
7	Matrix Spike Blank	A4B1331501	07/27/2004	
8	Matrix Spike Blk Dup	A4B1331502	07/27/2004	

Comments: _____

LAB: RECNY
METHOD: 8082
PROTOCOL: ASP00

PROTOCOL	METHOD	FRACTION	LAB	PARAMETER	SOLID CRQL/EQL	AQUEOUS CRQL/EQL	SOLID MDL	AQUEOUS MDL	SOLID UM	AQUEOUS UM	METHOD TDL	EXCEPT
ASP00	8082	GE	A	Aroclor 1016	80.00000	0.50000	0.62170	0.05990	UG/KG	UG/L	CRQL	N
ASP00	8082	GE	A	Aroclor 1221	80.00000	0.50000	2.40840	0.10710	UG/KG	UG/L	CRQL	N
ASP00	8082	GE	A	Aroclor 1232	80.00000	0.50000	5.55870	0.13750	UG/KG	UG/L	CRQL	N
ASP00	8082	GE	A	Aroclor 1242	80.00000	0.50000	1.64810	0.04100	UG/KG	UG/L	CRQL	N
ASP00	8082	GE	A	Aroclor 1248	80.00000	0.50000	0.91590	0.07830	UG/KG	UG/L	CRQL	N
ASP00	8082	GE	A	Aroclor 1254	80.00000	0.50000	2.18200	0.06480	UG/KG	UG/L	CRQL	N
ASP00	8082	GE	A	Aroclor 1260	80.00000	0.50000	1.30650	0.04140	UG/KG	UG/L	CRQL	N

SAMPLE DATA

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08801

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690501

Sample wt/vol: 30.19 (g/mL) G Lab File ID: 12B18066.TX0

% Moisture: 36.9 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

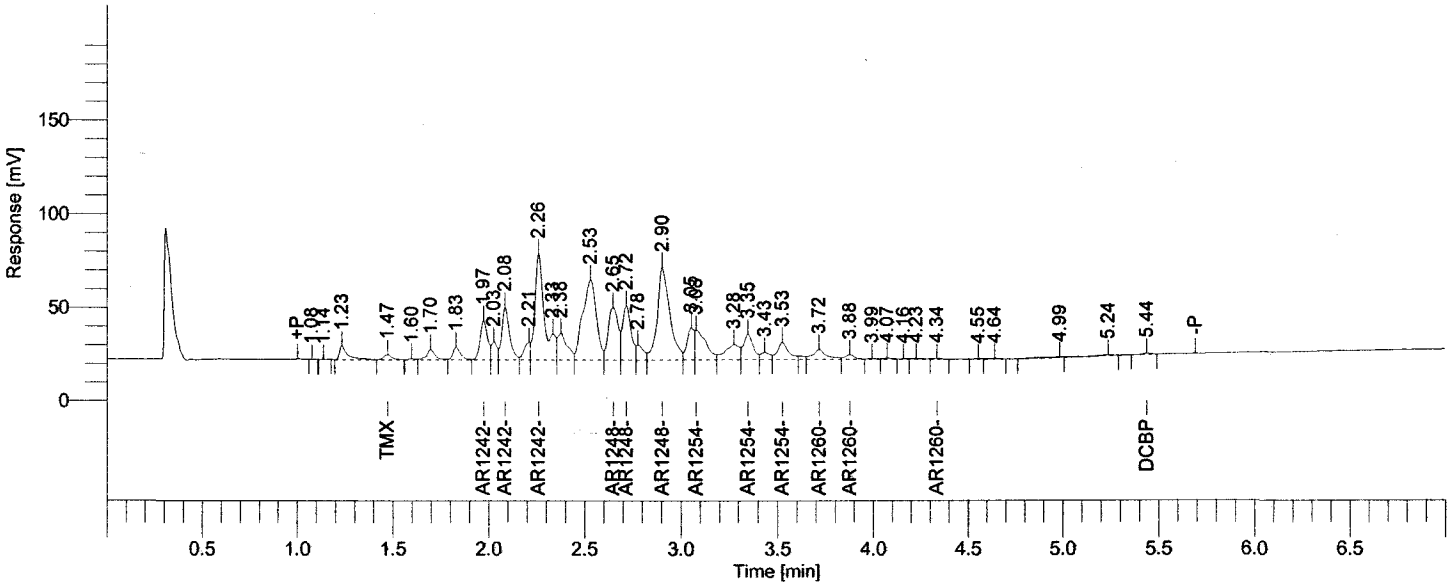
Injection Volume: 1.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 7.05 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	13000	U
11104-28-2	PCB-1221	13000	U
11141-16-5	PCB-1232	13000	U
53469-21-9	PCB-1242	13000	U
12672-29-6	PCB-1248	16000	
11097-69-1	PCB-1254	13000	U
11096-82-5	PCB-1260	13000	U

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:26
Reprocess Number	: buf2042: 22117		
Operator	: tchrom	Sample Name	: AS40009655
Sample Number	: A4690501	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 100.00 DF
Data Acquisition Time	: 07/27/2004 09:29:28	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12b18066.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18066.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18066.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18066.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18066.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.47	VB	7706	~~TMX~~	9.8e-04	-------	0
	2.26		305518	~~AR1242~~	0.3181	-------	0
	2.90		417869	AR1248	0.3078	-------	0
	3.08		148203	~~AR1254~~	0.0884	-------	0
	3.72		37778	~~AR1260~~	0.0132	-------	0
37	5.44	VB	1834	~~DCBP~~	4.2e-04	-------	0
			918909			0.0000	

8/9/04 GRD

07/28/2004 07:01:26 Result: H:\TURBO6\5890-12\12b18066.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.97	VV	55558	AR1242-A	0.1768	0.0589	3
10	2.08	VV	78574	AR1242-B	0.4229	0.1410	3
12	2.26	VE	171386	AR1242-C	0.3722	0.1241	3
			305518			0.3240	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.65	VV	101538	AR1248-A	0.3003	0.1001	3
17	2.72	VV	91408	AR1248-B	0.3118	0.1039	3
19	2.90	VV	224923	AR1248-C	0.3096	0.1032	3
			417869			0.3072	

8/9/04 BKD

Group Report For : AR1254

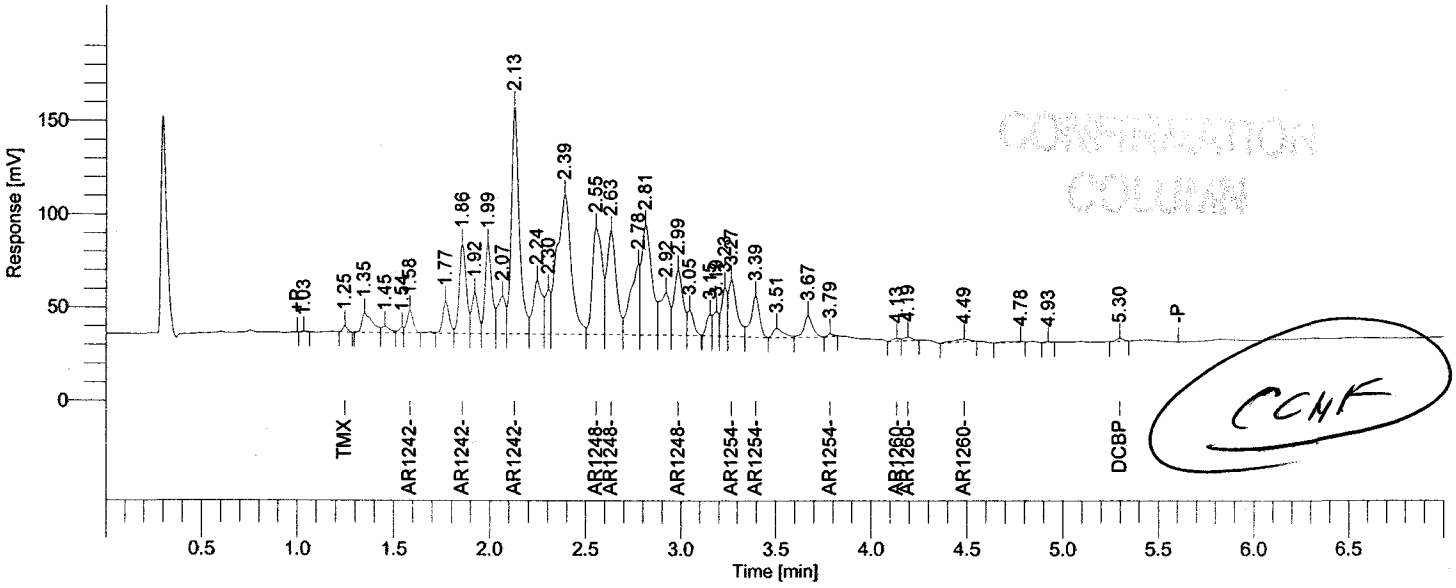
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
21	3.08	VV	63322	AR1254-A	0.0950	0.0317	3
23	3.35	VV	47418	AR1254-B	0.0936	0.0312	3
25	3.53	VV	37463	AR1254-C	0.0745	0.0248	3
			148203			0.0877	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.72	VV	26851	AR1260-A	0.0327	0.0109	3
27	3.88	VV	9480	AR1260-B	0.0116	0.0039	3
32	4.34	VB	1446	AR1260-C	-5e-03	-2e-03	3
			37778			0.0130	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:24
Reprocess Number	: buf2042: 22116		
Operator	: tchrom	Sample Name	: AS40009655
Sample Number	: A4690501	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 100.00 DF
Data Acquisition Time	: 07/27/2004 09:29:28	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12a18066.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18066.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18066.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18066.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18066.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	BB	5506	~~TMX~~	-1e-03	-------	0
	2.13		504005	~~AR1242~~	0.2719	-------	0
	2.55		506306	AR1248	0.2715	-------	0
	3.27		166163	~~AR1254~~	0.0525	-------	0
	4.19		18346	~~AR1260~~	-8e-03	-------	0
36	5.30	BB	3667	~~DCBP~~	-3e-03	-------	0
			1203992			0.0000	

8/5/04 GB

07/28/2004 07:01:24 Result: H:\TURBO6\5890-12\12a18066.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.58	VV	27170	AR1242-A	0.0860	0.0287	3
8	1.86	VV	121196	AR1242-B	0.2161	0.0720	3
12	2.13	VV	355639	AR1242-C	0.3640	0.1213	3
			504005			0.2220	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.55	VV	202165	AR1248-A	0.3040	0.1013	3
17	2.63	VV	191312	AR1248-B	0.3139	0.1046	3
21	2.99	VV	112829	AR1248-C	0.1910	0.0637	3
			506306			0.2696	

8/5/04

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.27	VV	92938	AR1254-A	0.0753	0.0251	3
27	3.39	VB	70357	AR1254-B	0.0664	0.0221	3
30	3.79	BB	2868	AR1254-C	0.0033	0.0011	3
			166163			0.0483	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
31	4.13	BV	3956	AR1260-A	-1e-02	-3e-03	3
32	4.19	VB	5566	AR1260-B	-0.0113	-4e-03	3
33	4.49	BB	8824	AR1260-C	-4e-03	-1e-03	3
			18346			-8e-03	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08802

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690502

Sample wt/vol: 30.32 (g/mL) G Lab File ID: 12B18067.TX0

% Moisture: 25.4 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

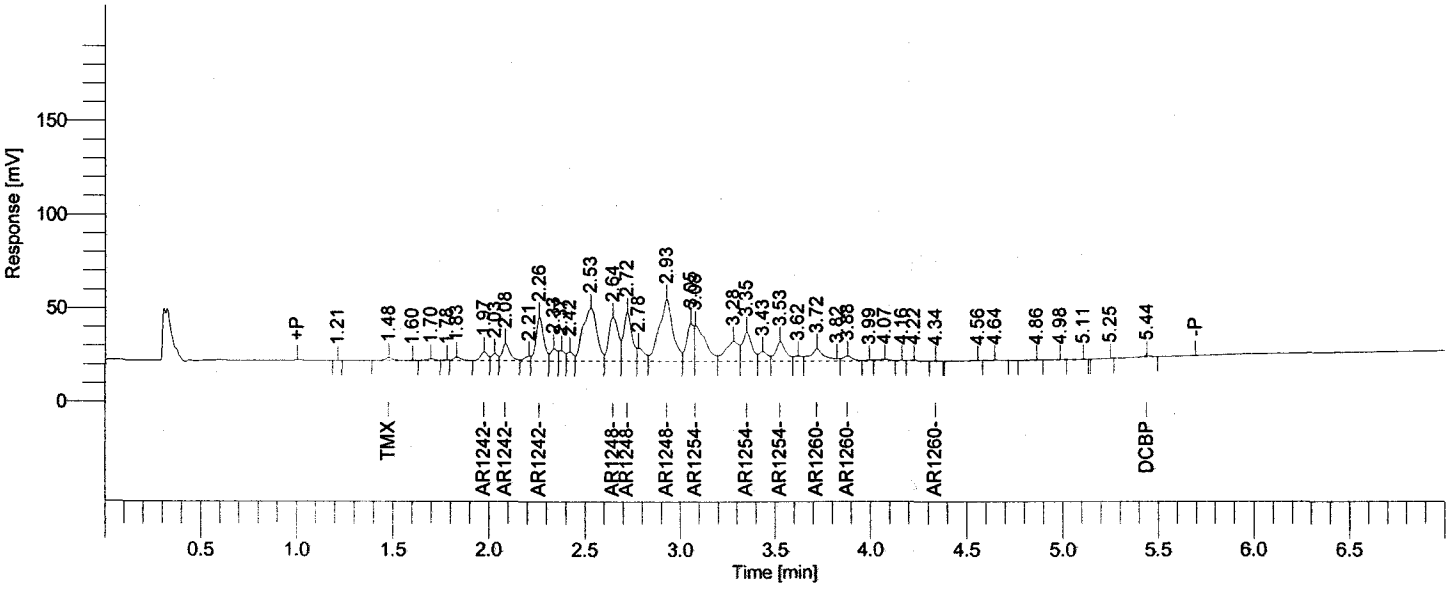
Injection Volume: 1.00 (uL) Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 7.40 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	11000	U
11104-28-2	PCB-1221	11000	U
11141-16-5	PCB-1232	11000	U
53469-21-9	PCB-1242	11000	U
12672-29-6	PCB-1248	11000	
11097-69-1	PCB-1254	11000	U
11096-82-5	PCB-1260	11000	U

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:30
Reprocess Number	: buf2042: 22119		
Operator	: tchrom	Sample Name	: AS40009656
Sample Number	: A4690502	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 100.00
Data Acquisition Time	: 07/27/2004 09:42:10	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12b18067.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18067.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18067.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18067.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18067.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.48	BE	4133	TMX	5.3e-04	-------	0
	2.26		102329	AR1242	0.1065	-------	0
	2.93		332034	AR1248	0.2445	-------	0
	3.08		168640	AR1254	0.1006	-------	0
	3.72		43205	AR1260	0.0163	-------	0
41	5.44	VB	2178	DCBP	5.0e-04	-------	0
			652519			0.0000	

8/5/04

07/28/2004 07:01:30 Result: H:\TURBO6\5890-12\12b18067.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.97	VV	11791	AR1242-A	0.0375	0.0125	3
9	2.08	VV	25013	AR1242-B	0.1346	0.0449	3
11	2.26	VV	65525	AR1242-C	0.1423	0.0474	3
			102329			0.1048	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.64	VV	82558	AR1248-A	0.2442	0.0814	3
17	2.72	VV	81401	AR1248-B	0.2776	0.0925	3
19	2.93	VV	168075	AR1248-C	0.2313	0.0771	3
			332034			0.2511	

8/9/04 AD

Group Report For : AR1254

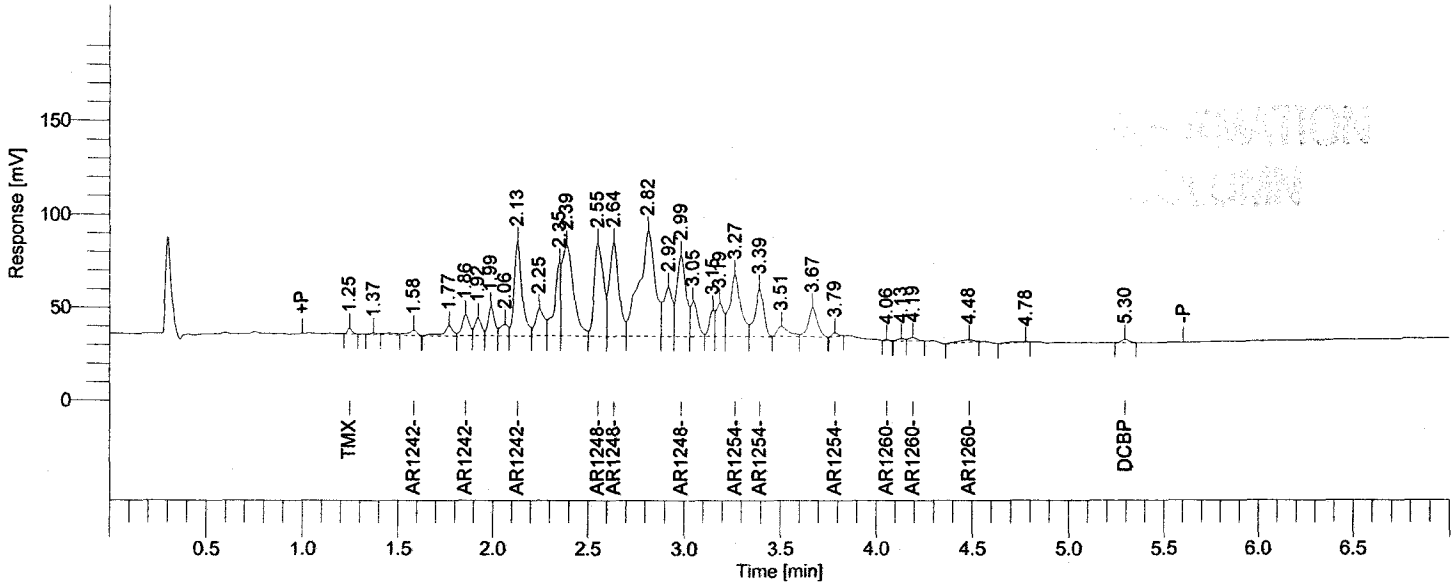
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
21	3.08	VV	76051	AR1254-A	0.1141	0.0380	3
23	3.35	VV	53643	AR1254-B	0.1059	0.0353	3
25	3.53	VV	38945	AR1254-C	0.0775	0.0258	3
			168640			0.0992	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
27	3.72	VE	33498	AR1260-A	0.0438	0.0146	3
29	3.88	VV	9112	AR1260-B	0.0109	0.0036	3
34	4.34	VB	595	AR1260-C	-7e-03	-2e-03	3
			43205			0.0160	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:28
Reprocess Number	: buf2042: 22118		
Operator	: tchrom	Sample Name	: AS40009656
Sample Number	: A4690502	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: ~~1000.000000~~
Sample Amount	: 1.0000	Dilution Factor	: 100.00 DF
Data Acquisition Time	: 07/27/2004 09:42:10	Cycle	: ~~6~~

Raw Data File : H:\TURBO6\5890-12\12a18067.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18067.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18067.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18067.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18067.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BB	4993	~~TMX~~	-1e-03	------	0
	2.13		190166	~~AR1242~~	0.1026	------	0
	2.64		486532	AR1248	0.2609	------	0
	3.27		217410	~~AR1254~~	0.0687	------	0
	4.19		13096	~~AR1260~~	-0.0105	------	0
31	5.30	BB	4261	~~DCBP~~	-2e-03	------	0
			916458			0.0000	

8/5/04 BKB

07/28/2004 07:01:28 Result: H:\TURBO6\5890-12\12a18067.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.58	VB	9302	AR1242-A	0.0294	0.0098	3
5	1.86	VV	29657	AR1242-B	0.0529	0.0176	3
9	2.13	VV	151208	AR1242-C	0.1548	0.0516	3
			190166			0.0790	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
13	2.55	VV	167909	AR1248-A	0.2525	0.0842	3
14	2.64	VV	174286	AR1248-B	0.2860	0.0953	3
17	2.99	VV	144337	AR1248-C	0.2443	0.0814	3
			486532			0.2609	

8/5/04

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
21	3.27	VV	131668	AR1254-A	0.1067	0.0356	3
22	3.39	VB	81674	AR1254-B	0.0771	0.0257	3
25	3.79	BB	4067	AR1254-C	0.0047	0.0016	3
			217410			0.0628	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	4.06	BB	626	AR1260-A	-0.0166	-6e-03	3
28	4.19	VB	5199	AR1260-B	-0.0116	-4e-03	3
29	4.48	BB	7271	AR1260-C	-6e-03	-2e-03	3
			13096			-0.0113	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08803

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690503

Sample wt/vol: 30.16 (g/mL) G Lab File ID: 12B18068.TX0

% Moisture: 23.8 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

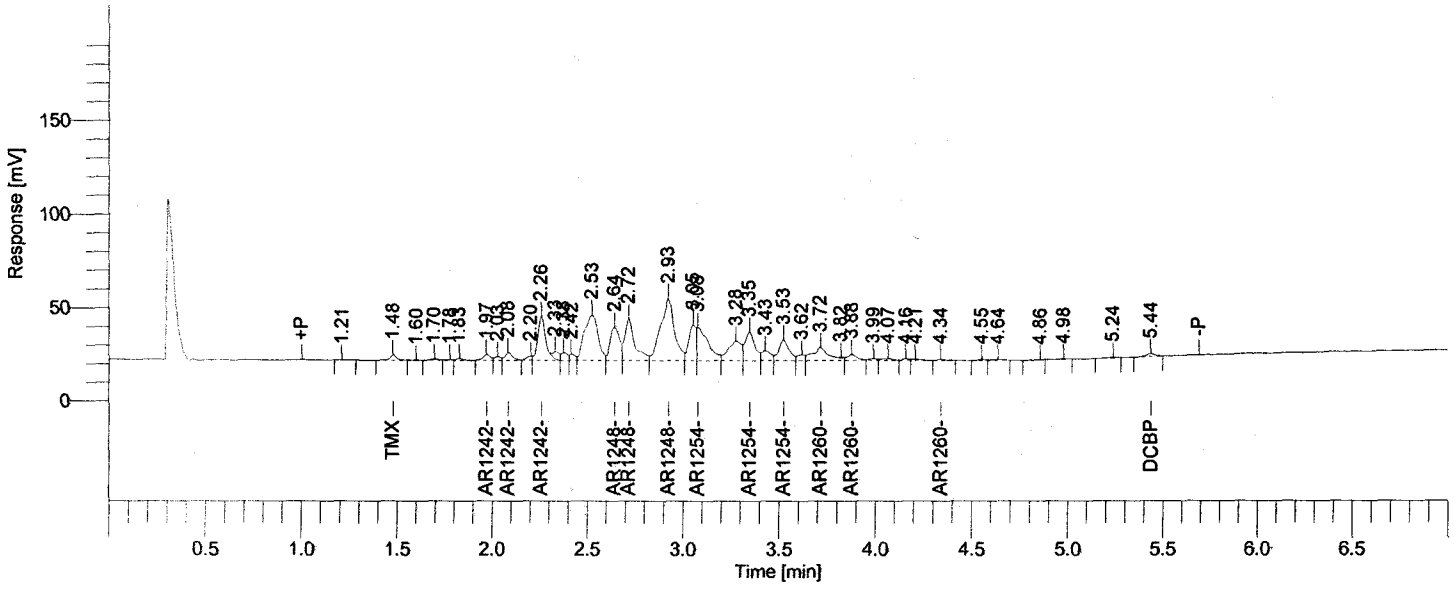
Injection Volume: 1.00 (uL) Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.20 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	5200	U
11104-28-2	PCB-1221	5200	U
11141-16-5	PCB-1232	5200	U
53469-21-9	PCB-1242	5200	U
12672-29-6	PCB-1248	5000	J
11097-69-1	PCB-1254	5200	U
11096-82-5	PCB-1260	5200	U

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:34
Reprocess Number	: buf2042: 22121		
Operator	: tchrom	Sample Name	: AS40009657
Sample Number	: A4690503	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 50.00
Data Acquisition Time	: 07/27/2004 09:54:48	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12b18068.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18068.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18068.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18068.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18068.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.48	BV	6548	TMX	8.3e-04	-------	0
	2.26		86554	AR1242	0.0901	-------	0
	2.93		311820	AR1248	0.2296	-------	0
	3.08		170065	AR1254	0.1015	-------	0
	3.72		54087	AR1260	0.0225	-------	0
39	5.44	BB	4170	DCBP	9.6e-04	-------	0
			633244			0.0000	

8/5/04

07/28/2004 07:01:34 Result: H:\TURBO6\5890-12\12b18068.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.97	BV	7305	AR1242-A	0.0232	0.0077	3
9	2.08	VV	11333	AR1242-B	0.0610	0.0203	3
11	2.26	VE	67915	AR1242-C	0.1475	0.0492	3
			86554			0.0772	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.64	VV	63053	AR1248-A	0.1865	0.0622	3
17	2.72	VV	80295	AR1248-B	0.2739	0.0913	3
18	2.93	VV	168472	AR1248-C	0.2319	0.0773	3
			311820			0.2308	

8/9/04

Group Report For : AR1254

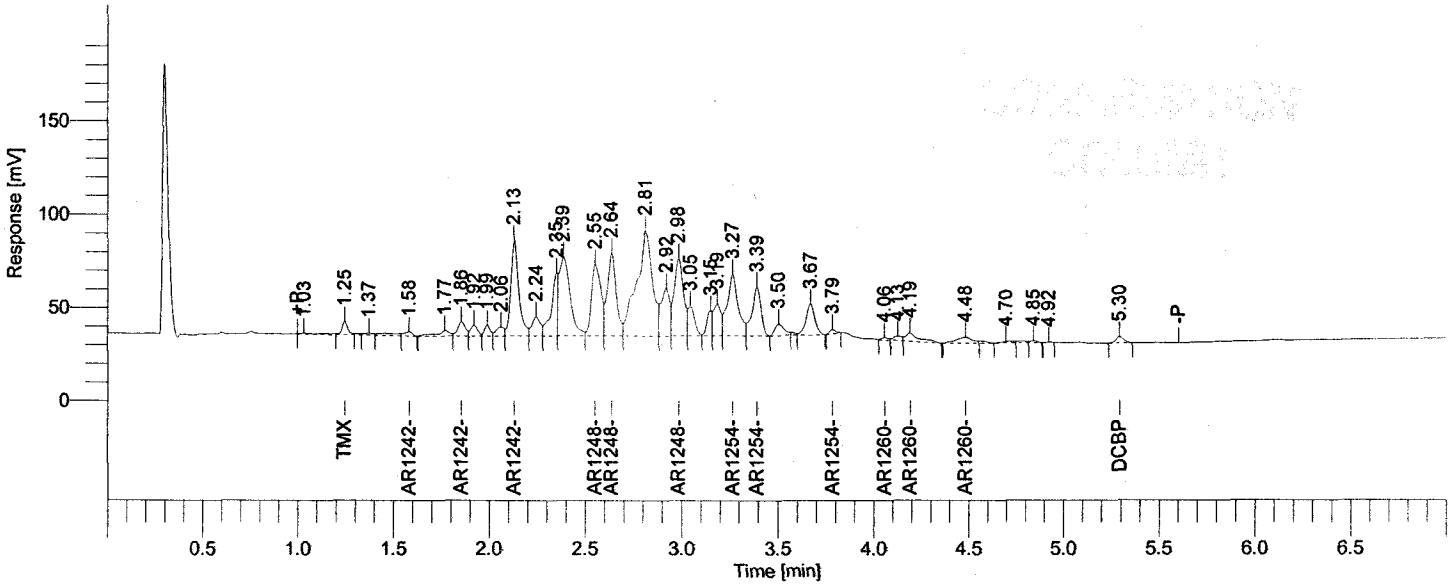
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
20	3.08	VV	73492	AR1254-A	0.1103	0.0368	3
22	3.35	VV	55124	AR1254-B	0.1088	0.0363	3
24	3.53	VV	41449	AR1254-C	0.0824	0.0275	3
			170065			0.1005	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.72	VE	40602	AR1260-A	0.0558	0.0186	3
28	3.88	VV	11628	AR1260-B	0.0154	0.0051	3
33	4.34	BB	1857	AR1260-C	-5e-03	-2e-03	3
			54087			0.0222	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:32
Reprocess Number	: buf2042: 22120		
Operator	: tchrom	Sample Name	: AS40009657
Sample Number	: A4690503	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 50.00
Data Acquisition Time	: 07/27/2004 09:54:48	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12a18068.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18068.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18068.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18068.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18068.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	VV	13834	TMX	-5e-04	-------	0
	2.13		179594	AR1242	0.0969	-------	0
	2.64		415099	AR1248	0.2226	-------	0
	3.27		223046	AR1254	0.0705	-------	0
	4.19		43513	AR1260	0.0024	-------	0
34	5.30	BB	8482	DCBP	-2e-03	-------	0
			883567			0.0000	

8/5/04

07/28/2004 07:01:32 Result: H:\TURBO6\5890-12\12a18068.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.58	VB	6826	AR1242-A	0.0216	0.0072	3
6	1.86	VV	21025	AR1242-B	0.0375	0.0125	3
10	2.13	VV	151744	AR1242-C	0.1553	0.0518	3
			179594			0.0715	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
14	2.55	VV	129698	AR1248-A	0.1950	0.0650	3
15	2.64	VV	147187	AR1248-B	0.2415	0.0805	3
18	2.98	VV	138215	AR1248-C	0.2340	0.0780	3
			415099			0.2235	

8/9/04 BM

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
22	3.27	VV	132495	AR1254-A	0.1074	0.0358	3
23	3.39	VB	85840	AR1254-B	0.0810	0.0270	3
26	3.79	BB	4712	AR1254-C	0.0054	0.0018	3
			223046			0.0646	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc	AVG NG CONC (5pts)	# PEAKS USED
27	4.06	BV	3036	AR1260-A	-0.0116	-4e-03	3
29	4.19	VB	21834	AR1260-B	0.0047	0.0016	3
30	4.48	BV	18643	AR1260-C	0.0077	0.0026	3
			43513			2.6e-04	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08804

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690504

Sample wt/vol: 30.42 (g/mL) G Lab File ID: 12B18069.TX0

% Moisture: 3.6 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

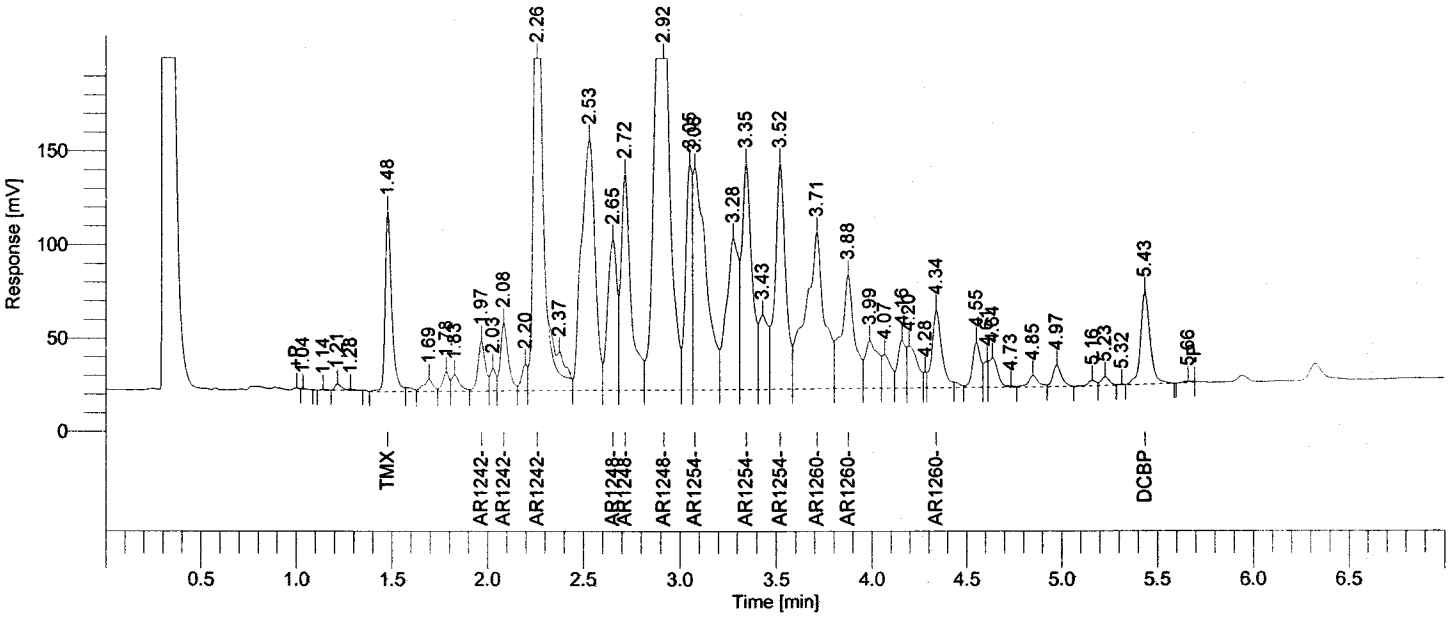
Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 7.30 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	82	U
11104-28-2	PCB-1221	82	U
11141-16-5	PCB-1232	82	U
53469-21-9	PCB-1242	82	U
12672-29-6	PCB-1248	450	
11097-69-1	PCB-1254	82	U
11096-82-5	PCB-1260	230	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:37
Reprocess Number	: buf2042: 22123		
Operator	: tchrom	Sample Name	: AS40009658
Sample Number	: A4690504	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:07:27	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12b18069.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18069.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18069.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18069.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18069.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.48	BV	230999	TMX	0.0294	-------	0
	2.26		1087264	AR1242	1.1319	-------	0
	2.92		1947037	AR1248	1.4340	-------	0
	3.35		1469515	AR1254	0.8769	-------	0
	3.71		1023222	AR1260	0.6471	-------	0
42	5.43	VB	167565	DCBP	0.0386	-------	0
			5925602			0.0000	

8/9/04
BAD

07/28/2004 07:01:37 Result: H:\TURBO6\5890-12\12b18069.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	1.97	VV	70936	AR1242-A	0.2257	0.0752	3
11	2.08	VV	102200	AR1242-B	0.5501	0.1834	3
13	2.26	VE	914127	AR1242-C	1.9852	0.6617	3
			1087264			0.9203	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.65	VV	274400	AR1248-A	0.8116	0.2705	3
17	2.72	VV	412712	AR1248-B	1.4077	0.4692	3
18	2.92	VV	1259925	AR1248-C	1.7342	0.5781	3
			1947037			1.3178	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
20	3.08	VV	571440	AR1254-A	0.8575	0.2858	3
22	3.35	VV	445409	AR1254-B	0.8792	0.2931	3
24	3.52	VV	452667	AR1254-C	0.9003	0.3001	3
			1469515			0.8790	

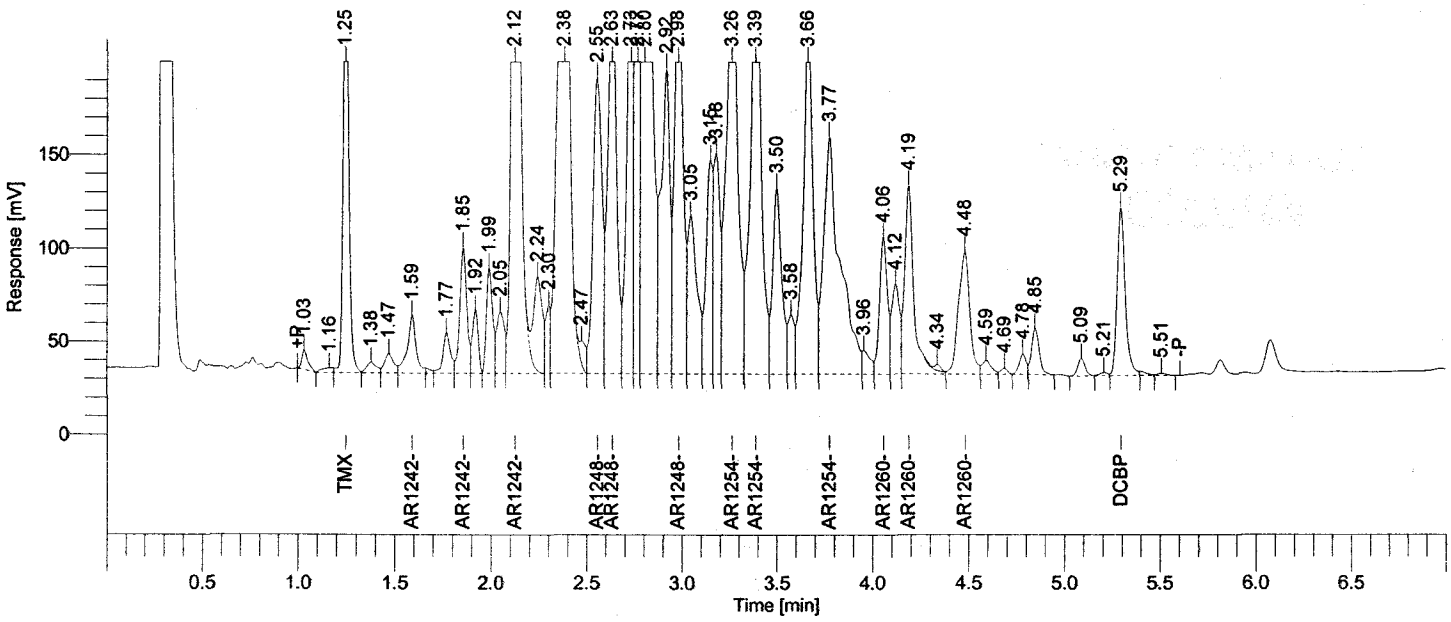
Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
25	3.71	VV	576138	AR1260-A	1.1586	0.3862	3
26	3.88	VV	298508	AR1260-B	0.5833	0.1944	3
32	4.34	VV	148575	AR1260-C	0.2586	0.0862	3
			1023222			0.6668	

8/5/04 DKD

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:35
Reprocess Number	: buf2042: 22122		
Operator	: tchrom	Sample Name	: AS40009658
Sample Number	: A4690504	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:07:27	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12a18069.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18069.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18069.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18069.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18069.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.25	VV	475544	TMX	0.0301	-------	0
	2.12		1939675	~~AR1242~~	1.0462	-------	0
	2.98		1892484	AR1248	1.0147	-------	0
	3.39		2745503	~~AR1254~~	0.8675	-------	0
	4.19		817837	AR1260	0.3422	-------	0
45	5.29	VV	263818	DCBP	0.0418	-------	0
			8134862			0.0000	

8/9/04

07/28/2004 07:01:35 Result: H:\TURBO6\5890-12\12a18069.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.59	VV	98606	AR1242-A	0.3119	0.1040	3
8	1.85	VV	172423	AR1242-B	0.3074	0.1025	3
12	2.12	VE	1668647	AR1242-C	1.7079	0.5693	3
			1939675			0.7758	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
17	2.55	VV	522827	AR1248-A	0.7862	0.2621	3
18	2.63	VV	677183	AR1248-B	1.1111	0.3704	3
23	2.98	VV	692474	AR1248-C	1.1723	0.3908	3
			1892484			1.0232	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
27	3.26	VV	993877	AR1254-A	0.8057	0.2686	3
28	3.39	VV	976001	AR1254-B	0.9213	0.3071	3
32	3.77	VV	775625	AR1254-C	0.8895	0.2965	3
			2745503			0.8722	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
34	4.06	VV	207293	AR1260-A	0.4298	0.1433	3
36	4.19	VE	341927	AR1260-B	0.3258	0.1086	3
38	4.48	VV	268618	AR1260-C	0.3124	0.1041	3
			817837			0.3560	

8/5/04

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08805

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690505

Sample wt/vol: 30.17 (g/mL) G Lab File ID: 12B18070.TX0

% Moisture: 39.0 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

Injection Volume: 1.00 (uL) Dilution Factor: 50.00

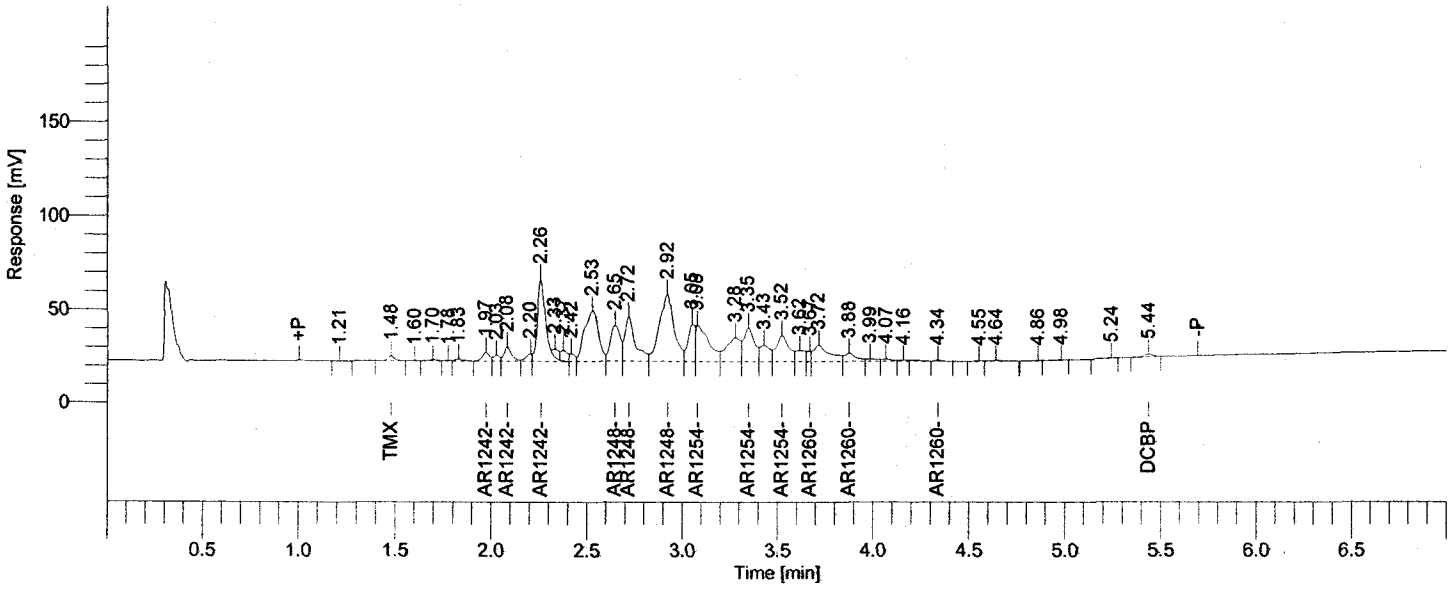
GPC Cleanup: (Y/N) N pH: 7.13 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	6500	U
11104-28-2	PCB-1221	6500	U
11141-16-5	PCB-1232	6500	U
53469-21-9	PCB-1242	6500	U
12672-29-6	PCB-1248	7100	
11097-69-1	PCB-1254	6500	U
11096-82-5	PCB-1260	6500	U

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:41
Reprocess Number	: buf2042: 22125		
Operator	: tchrom	Sample Name	: AS40009659
Sample Number	: A4690505	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 50.00
Data Acquisition Time	: 07/27/2004 10:20:02	Cycle	: 9

OK

Raw Data File : H:\TURBO6\5890-12\12b18070.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18070.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18070.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18070.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18070.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.48	BV	5968	~~TMX~~	7.6e-04	-------	0
	2.26		166461	~~AR1242~~	0.1733	-------	0
	2.92		354898	AR1248	0.2614	-------	0
	3.08		226734	~~AR1254~~	0.1353	-------	0
	3.67		28124	~~AR1260~~	0.0076	-------	0
38	5.44	BB	3794	~~DCBP~~	8.7e-04	-------	0
			785980			0.0000	

8/5/04

07/28/2004 07:01:41 Result: H:\TURBO6\5890-12\12b18070.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.97	VV	12645	AR1242-A	0.0402	0.0134	3
9	2.08	VV	21174	AR1242-B	0.1140	0.0380	3
11	2.26	VE	132642	AR1242-C	0.2881	0.0960	3
			166461			0.1474	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.65	VV	69556	AR1248-A	0.2057	0.0686	3
17	2.72	VV	90742	AR1248-B	0.3095	0.1032	3
18	2.92	VV	194599	AR1248-C	0.2679	0.0893	3
			354898			0.2610	

8/9/04 BAD

Group Report For : AR1254

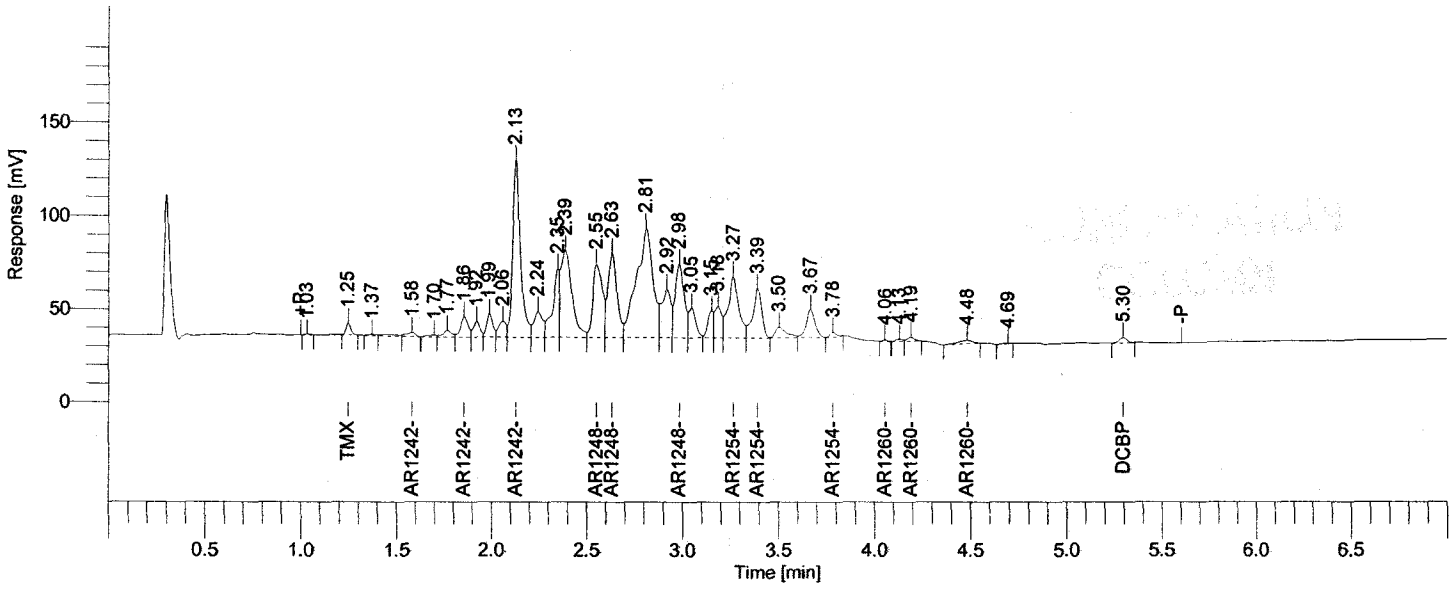
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
20	3.08	VV	90914	AR1254-A	0.1364	0.0455	3
22	3.35	VV	70639	AR1254-B	0.1394	0.0465	3
24	3.52	VV	65182	AR1254-C	0.1296	0.0432	3
			226734			0.1352	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.67	VV	8323	AR1260-A	0.0018	6.0e-04	3
28	3.88	VV	18498	AR1260-B	0.0277	0.0092	3
32	4.34	VB	1304	AR1260-C	-6e-03	-2e-03	3
			28124			0.0080	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:39
Reprocess Number	: buf2042: 22124		
Operator	: tchrom	Sample Name	: AS40009659
Sample Number	: A4690505	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 50.00
Data Acquisition Time	: 07/27/2004 10:20:02	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12a18070.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18070.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18070.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18070.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18070.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	VB	10545	TMX	-7e-04	-------	0
	2.13		314732	AR1242	0.1698	-------	0
	2.63		421147	AR1248	0.2258	-------	0
	3.27		222042	AR1254	0.0702	-------	0
	4.19		17072	AR1260	-9e-03	-------	0
33	5.30	BB	7408	DCBP	-2e-03	-------	0
			992947			0.0000	

8/9/04

07/28/2004 07:01:39 Result: H:\TURBO6\5890-12\12a18070.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.58	VB	7267	AR1242-A	0.0230	0.0077	3
7	1.86	VV	30698	AR1242-B	0.0547	0.0182	3
11	2.13	VV	276768	AR1242-C	0.2833	0.0944	3
			314732			0.1203	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
15	2.55	VV	137304	AR1248-A	0.2065	0.0688	3
16	2.63	VV	154374	AR1248-B	0.2533	0.0844	3
19	2.98	VV	129470	AR1248-C	0.2192	0.0731	3
			421147			0.2263	

8/9/04 GD

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
23	3.27	VV	128729	AR1254-A	0.1044	0.0348	3
24	3.39	VB	88175	AR1254-B	0.0832	0.0277	3
27	3.78	BB	5139	AR1254-C	0.0059	0.0020	3
			222042			0.0645	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
28	4.06	BB	1326	AR1260-A	-0.0152	-5e-03	3
30	4.19	VB	6269	AR1260-B	-0.0106	-4e-03	3
31	4.48	BB	9476	AR1260-C	-3e-03	-1e-03	3
			17072			-1e-02	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

D08806

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4690506

Sample wt/vol: 30.93 (g/mL) G Lab File ID: 12B18071.TX0

% Moisture: 39.4 decanted: (Y/N) N Date Samp/Recv: 07/21/2004 07/22/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

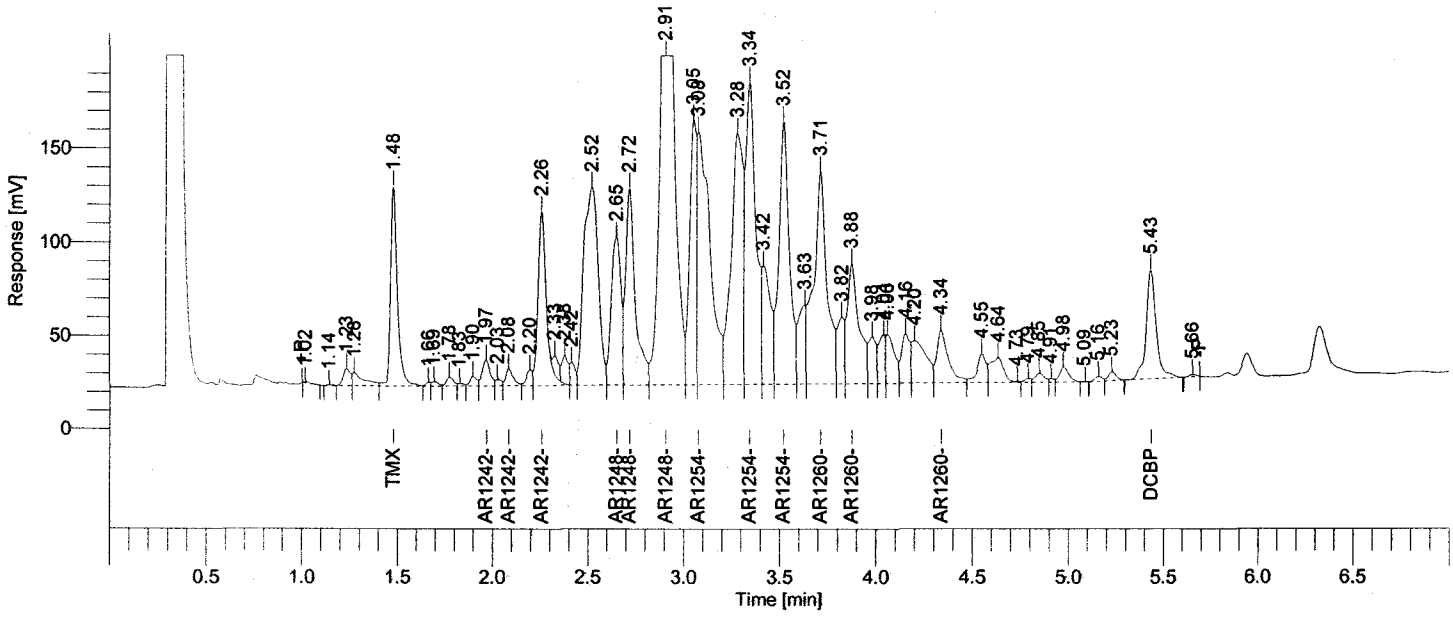
Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: 6.62 Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	130	U
11104-28-2	PCB-1221	130	U
11141-16-5	PCB-1232	130	U
53469-21-9	PCB-1242	130	U
12672-29-6	PCB-1248	730	
11097-69-1	PCB-1254	130	U
11096-82-5	PCB-1260	130	U

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:44
Reprocess Number	: buf2042: 22127		
Operator	: tchrom	Sample Name	: AS40009660
Sample Number	: A4690506	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:32:43	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12b18071.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18071.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18071.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18071.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18071.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.48	VB	258238	TMX	0.0329	-------	0
	2.26		349056	~~AR1242~~	0.3634	-------	0
	2.91		2103566	AR1248	1.5492	-------	0
	3.34		1774697	~~AR1254~~	1.0591	-------	0
	3.71		944510	~~AR1260~~	0.5902	-------	0
49	5.43	BB	215312	DCBP	0.0496	-------	0
			5645379			0.0000	

8/9/04

07/28/2004 07:01:44 Result: H:\TURBO6\5890-12\12b18071.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	1.97	VV	39782	AR1242-A	0.1266	0.0422	3
13	2.08	VV	24991	AR1242-B	0.1345	0.0448	3
15	2.26	VE	284283	AR1242-C	0.6174	0.2058	3
			349056			0.2928	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
20	2.65	VV	281823	AR1248-A	0.8335	0.2778	3
21	2.72	VV	369041	AR1248-B	1.2587	0.4196	3
22	2.91	VV	1452702	AR1248-C	1.9995	0.6665	3
			2103566			1.3639	

8/9/04 BAD

Group Report For : AR1254

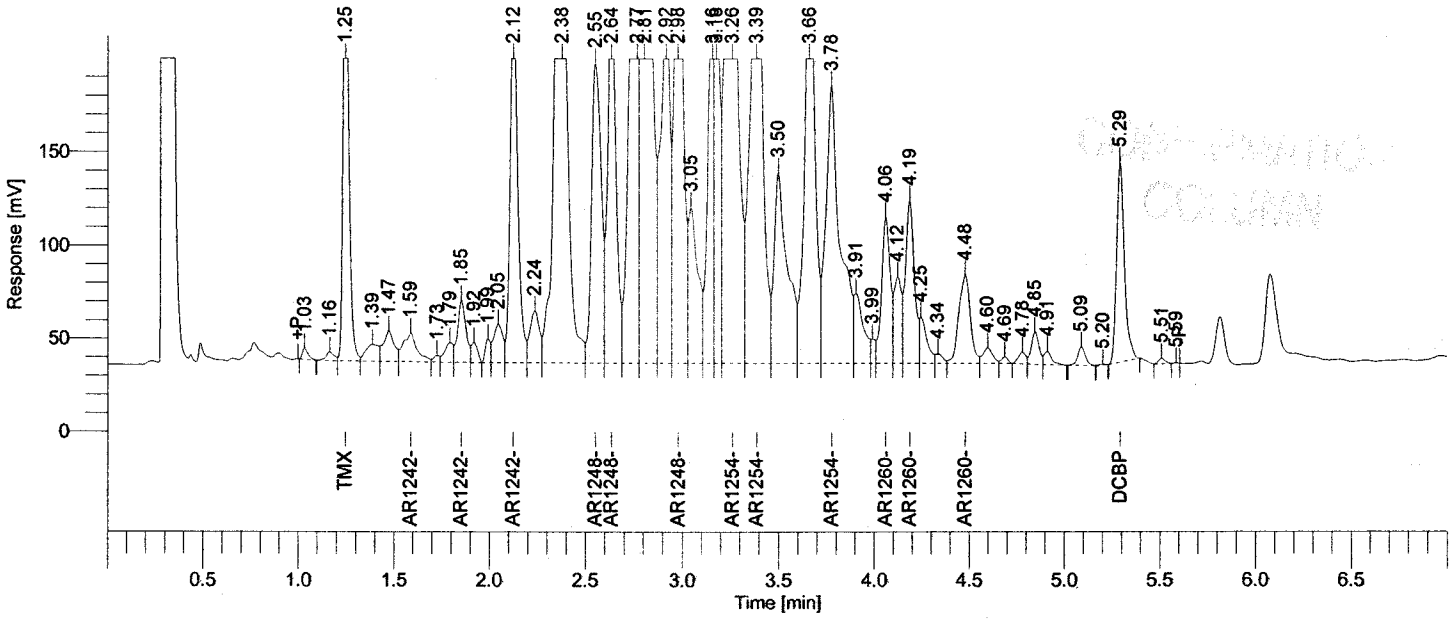
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	3.08	VV	636583	AR1254-A	0.9553	0.3184	3
26	3.34	VV	599404	AR1254-B	1.1832	0.3944	3
28	3.52	VV	538709	AR1254-C	1.0715	0.3572	3
			1774697			1.0700	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
30	3.71	VV	550658	AR1260-A	1.0924	0.3641	3
32	3.88	VV	278546	AR1260-B	0.5394	0.1798	3
38	4.34	VV	115306	AR1260-C	0.1966	0.0655	3
			944510			0.6095	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:42
Reprocess Number	: buf2042: 22126		
Operator	: tchrom	Sample Name	: AS40009660
Sample Number	: A4690506	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:32:43	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12a18071.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18071.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18071.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18071.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18071.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.25	VV	512138	TMX	0.0325	-------	0
	2.12		732033	~~AR1242~~	0.3949	-------	0
	2.98		2078988	AR1248	1.1146	-------	0
	3.39		3519504	~~AR1254~~	1.1120	-------	0
	4.19		738982	~~AR1260~~	0.3067	-------	0
45	5.29	BB	307113	DCBP	0.0492	-------	0
			7888758			0.0000	

8/9/04

07/28/2004 07:01:42 Result: H:\TURBO6\5890-12\12a18071.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.59	VV	75899	AR1242-A	0.2401	0.0800	3
9	1.85	VV	101187	AR1242-B	0.1804	0.0601	3
13	2.12	VV	554947	AR1242-C	0.5680	0.1893	3
			732033			0.3295	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.55	VV	554015	AR1248-A	0.8331	0.2777	3
17	2.64	VV	617639	AR1248-B	1.0134	0.3378	3
21	2.98	VV	907335	AR1248-C	1.5360	0.5120	3
			2078988			1.1275	

8/5/04

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
25	3.26	VV	1435471	AR1254-A	1.1636	0.3879	3
26	3.39	VV	1301630	AR1254-B	1.2287	0.4096	3
29	3.78	VV	782403	AR1254-C	0.8972	0.2991	3
			3519504			1.0965	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc	AVG NG CONC (5pts)	# PEAKS USED
32	4.06	VV	252602	AR1260-A	0.5315	0.1772	3
34	4.19	VV	288606	AR1260-B	0.2712	0.0904	3
37	4.48	VV	197773	AR1260-C	0.2242	0.0747	3
			738982			0.3423	

STANDARDS

PCB INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 B Date(s) Analyzed:

Column: ZB-5 07/16/2004 to 07/16/2004

	LEVEL (ng/ul) Area													
COMPOUND	0.025	0.05	0.1	0.25	0.5	1.0	2.5	Curve	R Squared	m_1	m_2	b	Ave CF	%RSD
AR1016	40852	73294	143204	308628	592831	1041923	1998983	2nd	0.999536	1223245	-172336	12986		
AR1260	56052	98556	196952	447524	824041	1436650	2541669	2nd	0.999553	1750556	-297045	14802		
COMPOUND	0.005	0.01	0.02	0.03	0.04									
TMX	42884	80271	149319	223890	308496			Ave					7849050	6.0
DCBP	26560	46810	83432	115257	148101			Ave					4341805	15.2

Curve	Formula
1st Order	Amt = (Area - b) / m_1
2nd Order	Amt = (-m_1 + SQRT(m_1^2 - 4m_2b))/(2m_2)

AUG 1 0 2004
MD

FORM VIA PCB

93\607

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 B Date(s) Analyzed:

Column: ZB-5 07/16/2004 to 07/16/2004

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW (+/-)	From	To
TMX	1.48	1.48	1.48	1.48	0.08	1.40	1.56
AR1016	2.26	2.26	2.26	2.26	0.08	2.18	2.34
AR1260	4.34	4.34	4.34	4.34	0.08	4.26	4.42
DCBP	5.44	5.44	5.44	5.44	0.08	5.36	5.52

AUG 1 0 2004

MD

6A

PCB SINGLE POINT CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-12 B Date(s) Analyzed:

Column: ZB-5 07/16/2004 to 07/16/2004

	LEVEL (ng/ul)				
COMPOUND	0.5				
	Area	Calibration Factor	File ID:	Date	Time
AR1221	224829	449658	H:\TURBO6\5890-12\12b17230.raw	07/16/2004	11:48
AR1232	337952	675904	H:\TURBO6\5890-12\12b17229.raw	07/16/2004	11:35
AR1242	480288	960576	H:\TURBO6\5890-12\12b17228.raw	07/16/2004	11:22
AR1248	678904	1357808	H:\TURBO6\5890-12\12b17227.raw	07/16/2004	11:10
AR1254	837862	1675724	H:\TURBO6\5890-12\12b17226.raw	07/16/2004	10:57

AUG 1 0 2004

MD

FORM VIA PCB

95\607

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-12 B Date(s) Analyzed:

Column: ZB-5 07/16/2004 to 07/16/2004

			INITIAL	WINDOW
COMPOUND	Retention Time	WINDOW (+/-)	From	To
AR1221	1.70	0.08	1.62	1.78
AR1232	2.26	0.08	2.18	2.34
AR1242	2.26	0.08	2.18	2.34
AR1248	2.92	0.08	2.84	3.00
AR1254	3.35	0.08	3.27	3.43

AUG 1 0 2004

PCB INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 A Date(s) Analyzed:

Column: ZB-35 07/16/2004 to 07/16/2004

	LEVEL (ng/ul) Area											
COMPOUND	0.025	0.05	0.1	0.25	0.5	1.0	2.5	Curve	R Squared	m_1	m_2	b
AR1016	78457	140443	272335	597416	1128294	1984584	4587875	2nd	0.998671	2196407	-153643	32142
AR1260	87124	153069	295556	641178	1176043	2126802	4768838	2nd	0.999032	2342584	-183322	37777
COMPOUND	0.005	0.01	0.02	0.03	0.04							
TMX	97323	173195	320764	465275	635672			1st	0.999380	15098842		21295
DCBP	46586	80034	138083	193671	251394			1st	0.999135	5858189		18895

Curve	Formula
1st Order	Amt = (Area - b) / m_1
2nd Order	Amt = ($-m_1$ + SQRT(m_1^2 - $4m_2b$))/($2m_2$)

FORM VIA PCB

AUG 1 0 2004

mcb

97607

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 A Date(s) Analyzed:

Column: ZB-35 07/16/2004 to 07/16/2004

	LEVEL					INITIAL	WINDOW
COMPOUND	A	C	E	AVE RT	WINDOW (+/-)	From	To
TMX	1.25	1.25	1.25	1.25	0.08	1.17	1.33
AR1016	2.13	2.13	2.13	2.13	0.08	2.05	2.21
AR1260	4.19	4.19	4.19	4.19	0.08	4.11	4.27
DCBP	5.30	5.30	5.30	5.30	0.08	5.22	5.38

AUG 1 0 2004
MD

PCB SINGLE POINT CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-12 A Date(s) Analyzed:

Column: ZB-35 07/16/2004 to 07/16/2004

	LEVEL (ng/ul)				
COMPOUND	0.5				
	Area	Calibration Factor	File ID:	Date	Time
AR1221	416227	832454	H:\TURBO6\5890-12\12a17230.raw	07/16/2004	11:48
AR1232	657008	1314016	H:\TURBO6\5890-12\12a17229.raw	07/16/2004	11:35
AR1242	926975	1853950	H:\TURBO6\5890-12\12a17228.raw	07/16/2004	11:22
AR1248	932577	1865154	H:\TURBO6\5890-12\12a17227.raw	07/16/2004	11:10
AR1254	1582478	3164956	H:\TURBO6\5890-12\12a17226.raw	07/16/2004	10:57

AUG 1 0 2004

MD

FORM VIA PCB

99\607

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-12 A Date(s) Analyzed:

Column: ZB-35 07/16/2004 to 07/16/2004

			INITIAL	WINDOW
COMPOUND	Retention Time	WINDOW (+/-)	From	To
AR1221	1.58	0.08	1.50	1.66
AR1232	2.12	0.08	2.04	2.20
AR1242	2.12	0.08	2.04	2.20
AR1248	2.55	0.08	2.47	2.63
AR1254	3.27	0.08	3.19	3.35

AUG 1 0 2004

MD

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 B ICAL Date(s) Analyzed:

Column: ZB-5 07/16/2004 to: 07/16/2004

CCV ID: ICM66HB0.5 Date/Time: 07/27/2004 07:06

FILE ID: H:\TURBO6\5890-12\12b18059.raw

		DAILY	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.48	1.40	1.56	0.0285	0.0300	-5.0
AR1016	2.26	2.18	2.34	0.4988	0.500	-0.2
AR1260	4.34	4.26	4.42	0.5254	0.500	5.1
DCBP	5.44	5.36	5.52	0.0329	0.0300	9.6

Ave %D = 5.0

* Value >15.0% Difference

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 B ICAL Date(s) Analyzed:

Column: ZB-5 07/16/2004 to: 07/16/2004

CCV ID: ICM54QA0.5 Date/Time: 07/27/2004 07:19

FILE ID: H:\TURBO6\5890-12\12b18060.raw

		INITIAL	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.48	1.40	1.56	0.028	0.0300	-7.1
AR1254	3.35	3.27	3.43	0.483	0.500	-3.4
DCBP	5.44	5.36	5.52	0.033	0.0300	8.9

* Value >15.0% Difference

FORM VII PCB

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo Contract:

Instrument: 5890-12 B ICAL Date(s) Analyzed:

Column: ZB-5 07/16/2004 to: 07/16/2004

CCV ID: ICM54QA0.5 Date/Time: 07/27/2004 10:45

FILE ID: H:\TURBO6\5890-12\12b18072.raw

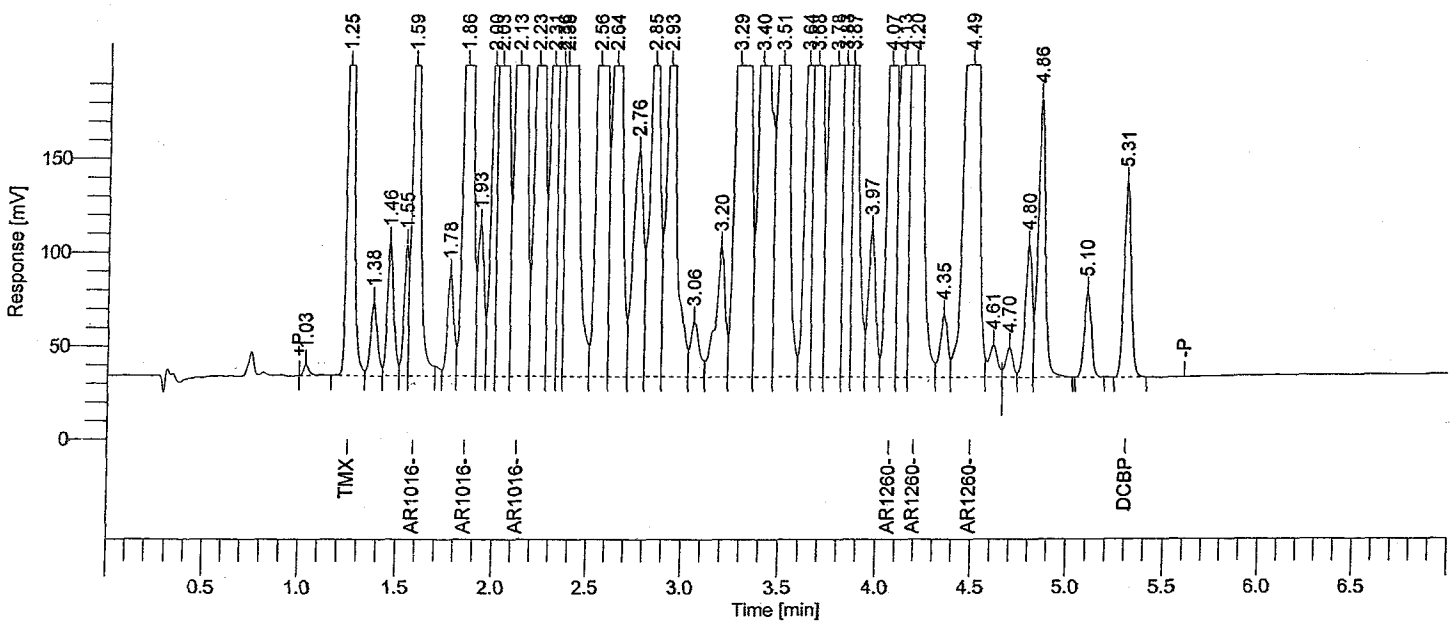
		INITIAL	WINDOW	Calc	Expected	
COMPOUND	RT	From	To	Amt.(ng)	Amt.(ng)	% D
TMX	1.48	1.40	1.56	0.028	0.0300	-5.5
AR1254	3.35	3.27	3.43	0.511	0.500	2.2
DCBP	5.44	5.36	5.52	0.035	0.0300	17.7 *

* Value >15.0% Difference

FORM VII PCB

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:40
Reprocess Number	: buf2042: 21037		
Operator	: tchrom	Sample Name	: ICM66HD2.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 09:29:20	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12a17219.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17219.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17219.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17219.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17219.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	VV	801679	TMX	0.0500	------	0
	2.13		4587875	AR1016	2.5000	------	0
	4.20		4768838	AR1260	2.5000	------	0
43	5.31	BB	272564	DCBP	0.0500	------	0
			10430955			0.0000	

JUL 23 2004

07/21/2004 12:38:40 Result: H:\TURBO6\5890-12\12a17219.rst

Group Report For : AR1016

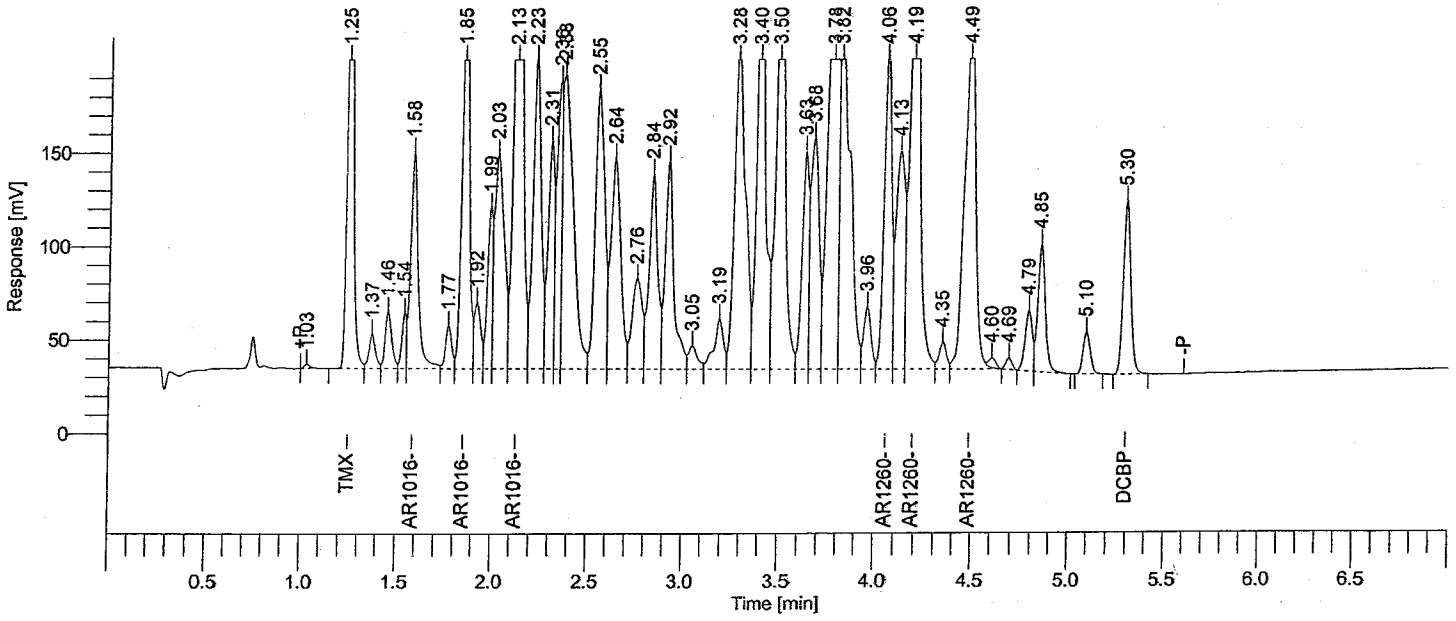
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.59	VV	672291	AR1016-A	2.5000	0.8333	3
8	1.86	VV	1291410	AR1016-B	2.5000	0.8333	3
12	2.13	VV	2624174	AR1016-C	2.5000	0.8333	3
			4587875			2.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
33	4.07	VV	1002492	AR1260-A	2.5000	0.8333	3
35	4.20	VV	2108361	AR1260-B	2.5000	0.8333	3
37	4.49	VV	1657985	AR1260-C	2.5000	0.8333	3
			4768838			2.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:42
Reprocess Number	: buf2042: 21038		
Operator	: tchrom	Sample Name	: ICM66HE1.0
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 09:41:54	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12a17220.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17220.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17220.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17220.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17220.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	VV	635672	TMX	0.0400	-------	0
	2.13		1984584	AR1016	1.0000	-------	0
	4.19		2126802	AR1260	1.0000	-------	0
42	5.30	BB	251394	DCBP	0.0400	-------	0
			4998451			0.0000	

JUL 23 2004

07/21/2004 12:38:42 Result: H:\TURBO6\5890-12\12a17220.rst

Group Report For : AR1016

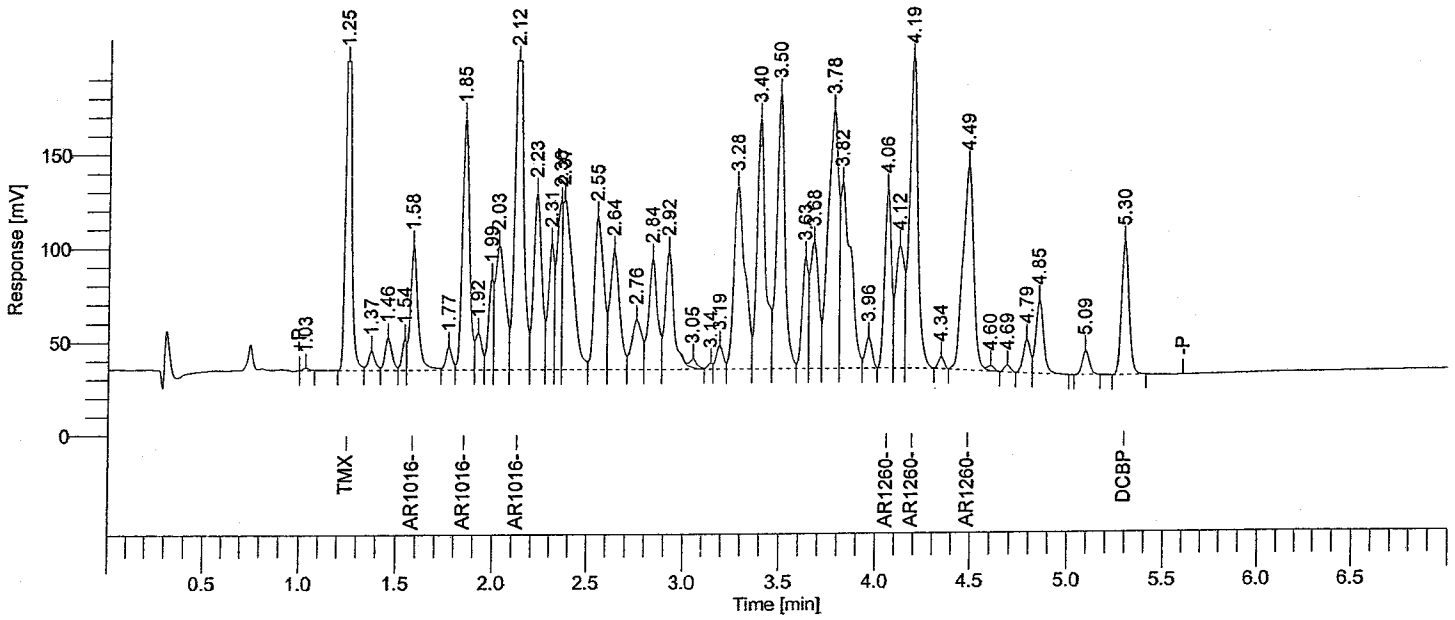
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.58	VV	310395	AR1016-A	1.0000	0.3333	3
8	1.85	VV	585871	AR1016-B	1.0000	0.3333	3
12	2.13	VV	1088319	AR1016-C	1.0000	0.3333	3
			1984584			1.0000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.06	VV	437184	AR1260-A	1.0000	0.3333	3
34	4.19	VV	935909	AR1260-B	1.0000	0.3333	3
36	4.49	VE	753709	AR1260-C	1.0000	0.3333	3
			2126802			1.0000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:44
Reprocess Number	: buf2042: 21039		
Operator	: tchrom	Sample Name	: ICM66HB0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 09:54:32	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12a17221.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17221.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17221.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17221.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17221.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	VV	465275	TMX	0.0300	-------	0
	2.12		1128294	AR1016	0.5000	-------	0
	4.19		1176043	AR1260	0.5000	-------	0
43	5.30	BB	193671	DCBP	0.0300	-------	0
			2963283			0.0000	

JUL 23 2004

07/21/2004 12:38:44 Result: H:\TURBO6\5890-12\12a17221.rst

Group Report For : AR1016

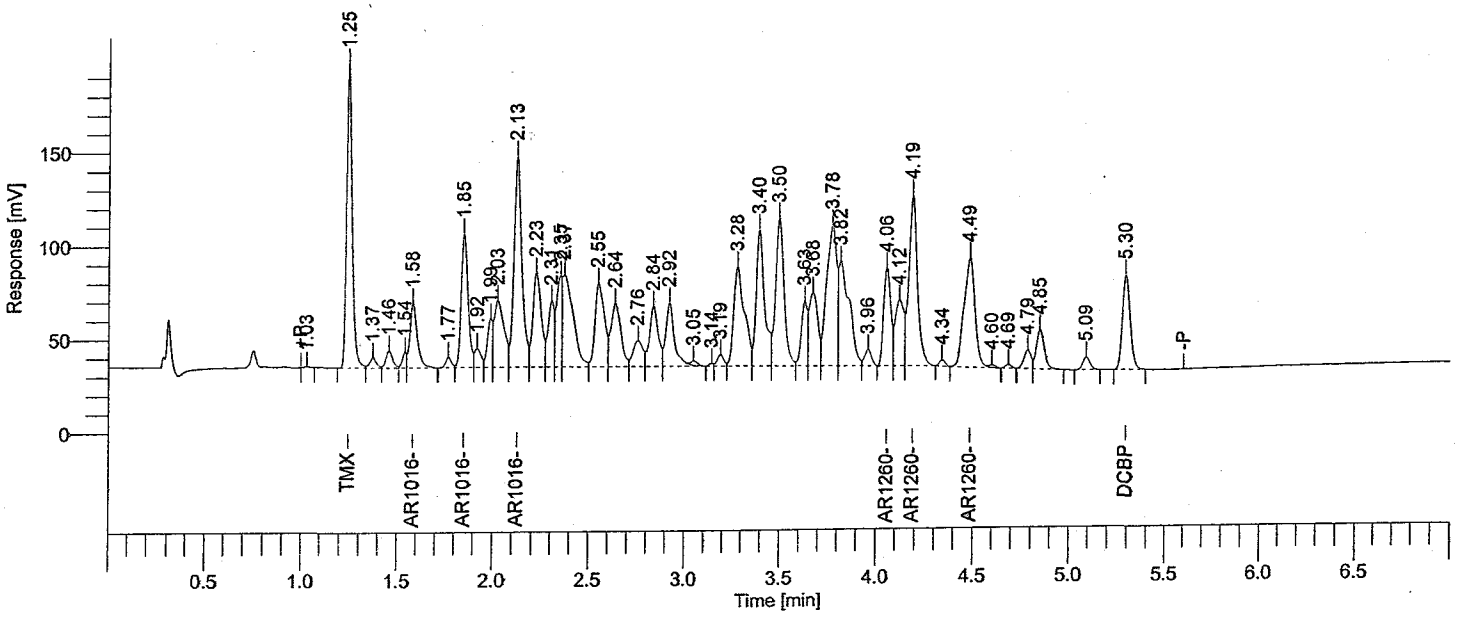
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.58	VV	177161	AR1016-A	0.5000	0.1667	3
8	1.85	VV	339574	AR1016-B	0.5000	0.1667	3
12	2.12	VV	611560	AR1016-C	0.5000	0.1667	3
			1128294			0.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
33	4.06	BV	240598	AR1260-A	0.5000	0.1667	3
35	4.19	VB	513072	AR1260-B	0.5000	0.1667	3
37	4.49	BE	422373	AR1260-C	0.5000	0.1667	3
			1176043			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:46
Reprocess Number	: buf2042: 21040		
Operator	: tchrom	Sample Name	: ICM66HC0.25
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:07:08	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12a17222.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17222.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17222.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17222.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17222.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	VV	320764	TMX	0.0200	------	0
	2.13		597416	AR1016	0.2500	------	0
	4.19		641178	AR1260	0.2500	------	0
43	5.30	BB	138083	DCBP	0.0200	------	0
			1697440			0.0000	

JUL 23 2004

07/21/2004 12:38:46 Result: H:\TURBO6\5890-12\12a17222.rst

Group Report For : AR1016

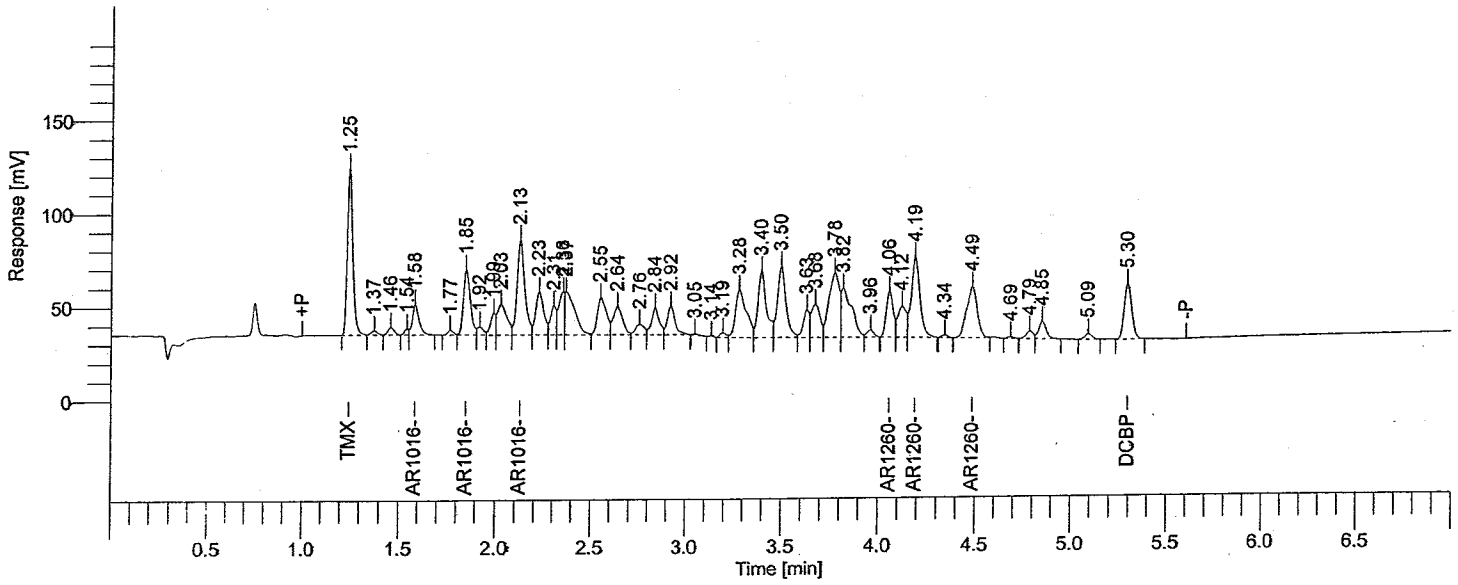
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.58	VB	89862	AR1016-A	0.2500	0.0833	3
8	1.85	VV	180873	AR1016-B	0.2500	0.0833	3
12	2.13	VV	326680	AR1016-C	0.2500	0.0833	3
			597416			0.2500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
33	4.06	BV	132676	AR1260-A	0.2500	0.0833	3
35	4.19	VB	278886	AR1260-B	0.2500	0.0833	3
37	4.49	BE	229616	AR1260-C	0.2500	0.0833	3
			641178			0.2500	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:47
Reprocess Number	: buf2042: 21041		
Operator	: tchrom	Sample Name	: ICM66HF0.10
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:19:47	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12a17223.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17223.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17223.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17223.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17223.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BV	173195	TMX	0.0100	-------	0
	2.13		272335	AR1016	0.1000	-------	0
	4.19		295556	AR1260	0.1000	-------	0
41	5.30	BB	80034	DCBP	0.0100	-------	0
			821120			0.0000	

JUL 23 2004

07/21/2004 12:38:47 Result: H:\TURBO6\5890-12\12a17223.rst

Group Report For : AR1016

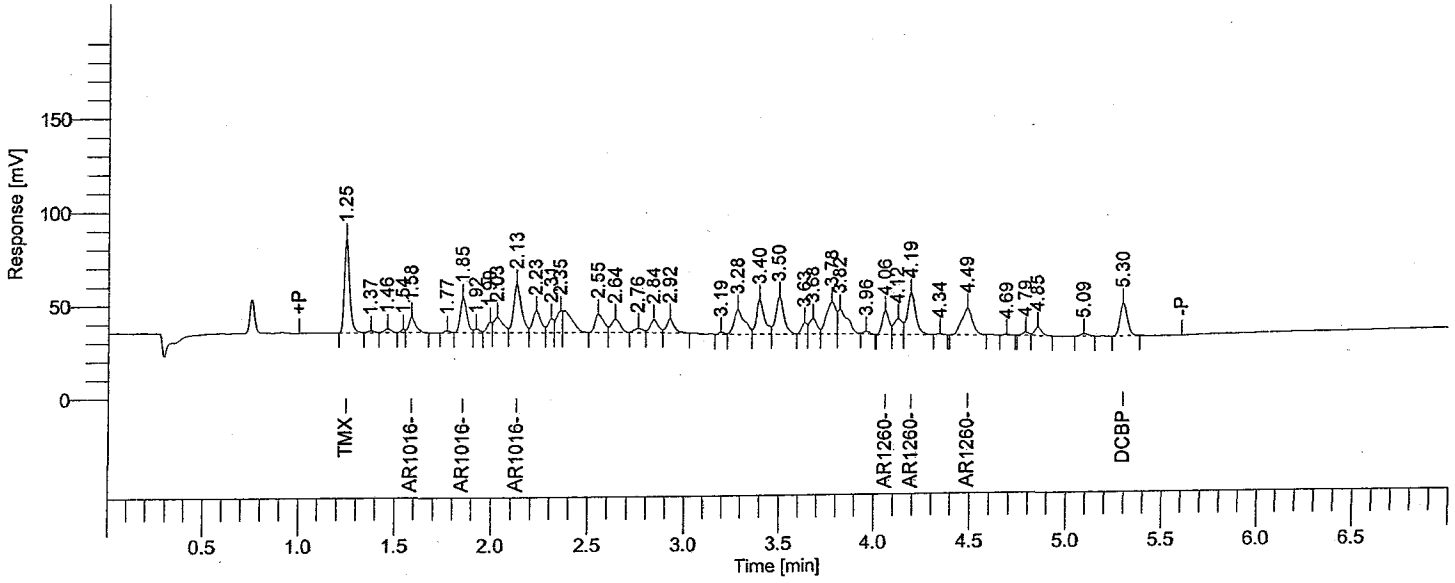
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.58	VB	39988	AR1016-A	0.1000	0.0333	3
7	1.85	VV	86255	AR1016-B	0.1000	0.0333	3
11	2.13	VV	146093	AR1016-C	0.1000	0.0333	3
			272335			0.1000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.06	BV	61691	AR1260-A	0.1000	0.0333	3
34	4.19	VB	129708	AR1260-B	0.1000	0.0333	3
36	4.49	BB	104157	AR1260-C	0.1000	0.0333	3
			295556			0.1000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:49
Reprocess Number	: buf2042: 21042		
Operator	: tchrom	Sample Name	: ICM66HG0.05
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:32:25	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12a17224.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17224.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17224.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17224.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17224.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BV	97323	TMX	0.0050	-------	0
	2.13		140443	AR1016	0.0500	-------	0
	4.19		153069	AR1260	0.0500	-------	0
38	5.30	BB	46586	DCBP	0.0050	-------	0
			437421			0.0000	

JUL 23 2004

07/21/2004 12:38:49 Result: H:\TURBO6\5890-12\12a17224.rst

Group Report For : AR1016

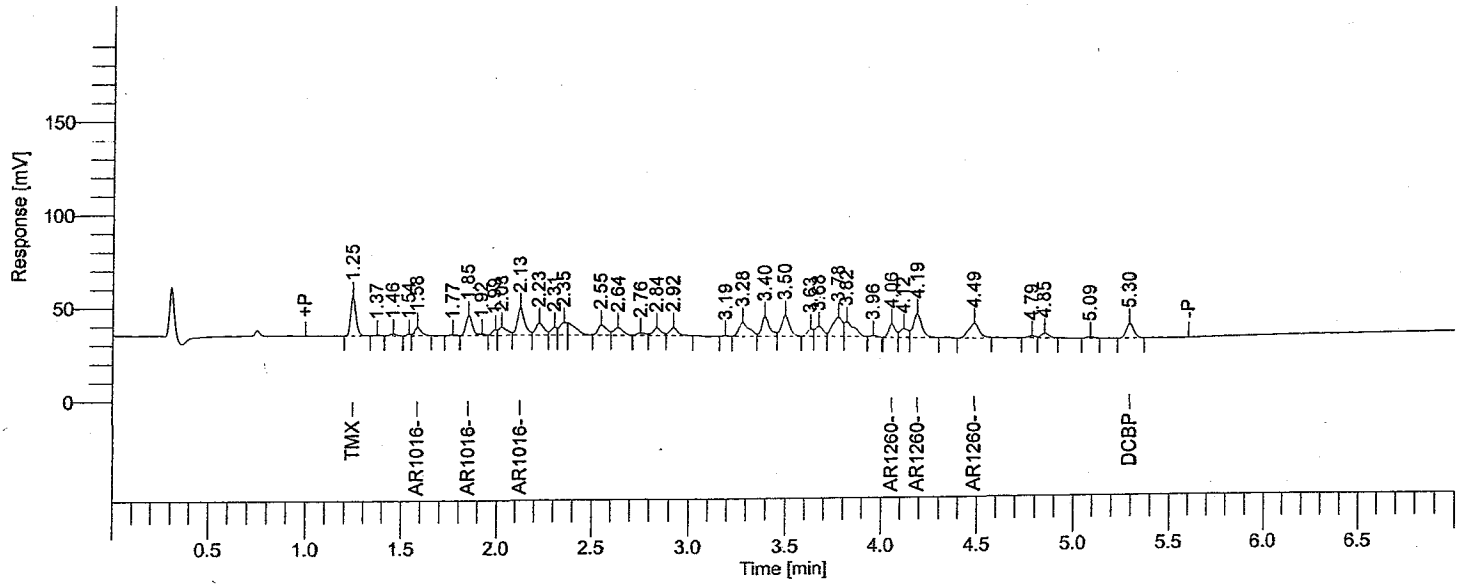
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.58	VB	20000	AR1016-A	0.0500	0.0167	3
7	1.85	VV	45083	AR1016-B	0.0500	0.0167	3
11	2.13	VV	75360	AR1016-C	0.0500	0.0167	3
			140443			0.0500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
29	4.06	BV	32173	AR1260-A	0.0500	0.0167	3
31	4.19	VB	67323	AR1260-B	0.0500	0.0167	3
33	4.49	BB	53574	AR1260-C	0.0500	0.0167	3
			153069			0.0500	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:38:51
Reprocess Number	: buf2042: 21043		
Operator	: tchrom	Sample Name	: ICM66HC0.025
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:45:04	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12a17225.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17225.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17225.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17225.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17225.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BV	40336	TMX	0.0012	-------	0
	2.13		78457	AR1016	0.0250	-------	0
	4.19		87124	AR1260	0.0250	-------	0
36	5.30	BB	20275	DCBP	0.0011	-------	0
			226192			0.0000	

JUL 23 2004

07/21/2004 12:38:51 Result: H:\TURBO6\5890-12\12a17225.rst

Group Report For : AR1016

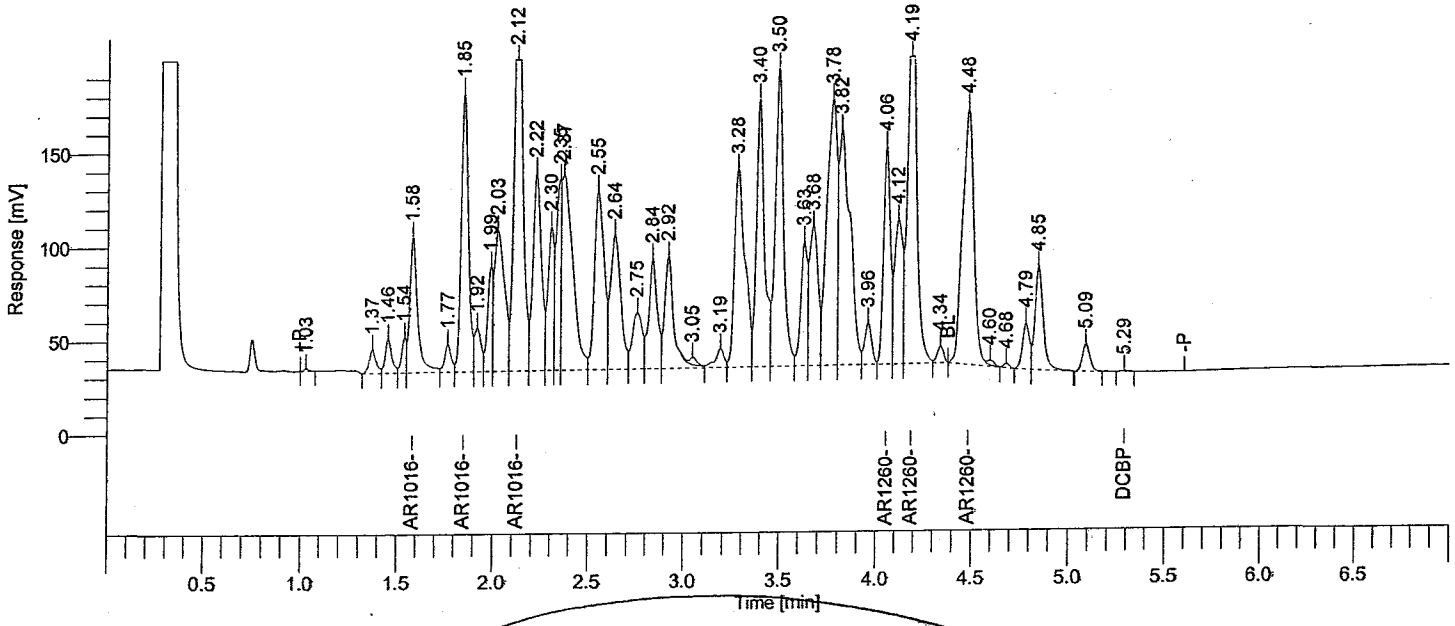
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.58	VB	10485	AR1016-A	0.0250	0.0083	3
7	1.85	BE	26385	AR1016-B	0.0250	0.0083	3
11	2.13	VV	41587	AR1016-C	0.0250	0.0083	3
			78457			0.0250	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
29	4.06	BV	18220	AR1260-A	0.0250	0.0083	3
31	4.19	VB	38707	AR1260-B	0.0250	0.0083	3
32	4.49	BB	30198	AR1260-C	0.0250	0.0083	3
			87124			0.0250	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:50:58
Operator	: tchrom	Sample Name	: ACM66AB0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:00:51	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12a17231.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17231.rst [Editing in Progress]
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17231.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17231.rst [Editing in Progress]
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a17231.rst [Editing in Progress]
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.12		1290398	AR1016	0.5979	2.1583e+06	2.5808e+06	-0.4
4.19		1512651	AR1260	0.6641	2.2777e+06	3.0253e+06	10.7
		2803049		1.2620		5.6061e+06	

7/22/04

07/21/2004 13:50:58 Result: H:\TURBO6\5890-12\12a17231.rst

Group Report For : AR1016

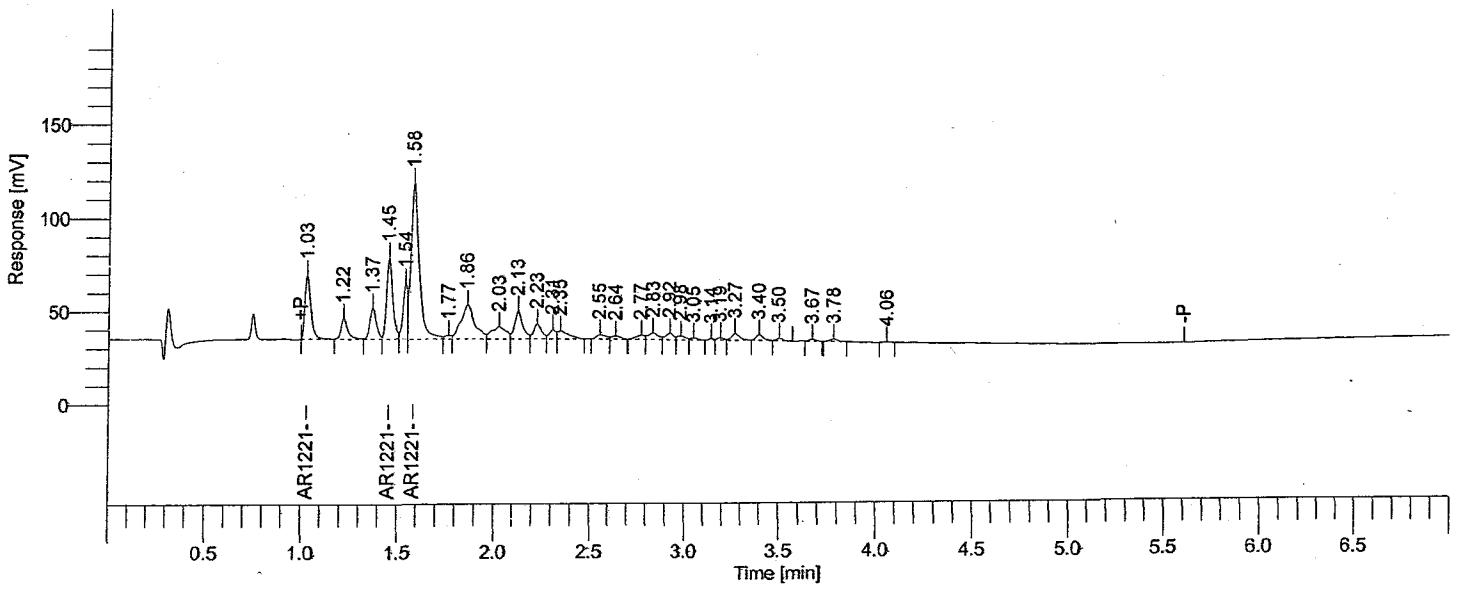
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.58	VV	206007	AR1016-A	0.6122	3.3652e+05	4.1201e+05	--------
1.85	VV	385801	AR1016-B	0.5974	6.4584e+05	7.7160e+05	--------
2.12	VV	698590	AR1016-C	0.5942	1.1757e+06	1.3972e+06	--------
		1290398		1.8037		2.5808e+06	

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.06	VV	297393	AR1260-A	0.6336	4.6935e+05	5.9479e+05	--------
4.19	VV	658589	AR1260-B	0.6601	9.9766e+05	1.3172e+06	--------
4.48	*BE	556669	AR1260-C	0.6869	8.1038e+05	1.1133e+06	--------
		1512651		1.9807		3.0253e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:39
Reprocess Number	: buf2042: 21061		
Operator	: tchrom	Sample Name	: ICM21OA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:48:12	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12a17230.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17230.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17230.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17230.rst
Calib Method : h:\turbo6\5890-12\la21(07-16-04).mth from H:\TURBO6\5890-12\12a17230.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	1.58		416227	AR1221	0.5000	------	
			416227			0.0000	0

Processed by: GD 7/22/04

Reviewed by: JUL 23 2004

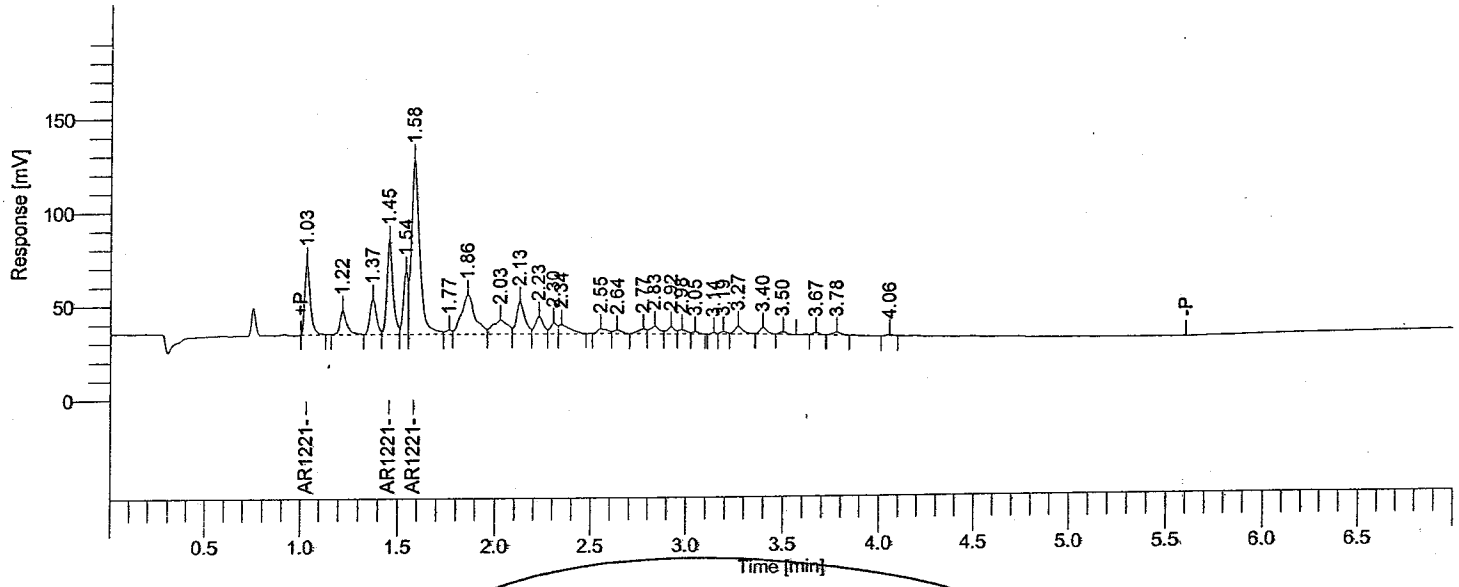
07/21/2004 13:18:39 Result: H:\TURBO6\5890-12\12a17230.rst

Group Report For : AR1221

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.03	BV	71619	AR1221-A	0.5000	0.1667	3
4	1.45	VV	97638	AR1221-B	0.5000	0.1667	3
6	1.58	VV	246971	AR1221-C	0.5000	0.1667	3
			416227			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:57
Reprocess Number	: buf2042: 21073		
Operator	: tchrom	Sample Name	: ACM21MA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 13:03:59	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12a17236.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17236.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17236.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17236.rst
Calib Method : h:\turbo6\5890-12\la21(07-16-04).mth from H:\TURBO6\5890-12\12a17236.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.58		467037	AR1221	0.5610	8.3245e+05	9.3407e+05	-6.5
		467037		0.5610		9.3407e+05	

7/22/04

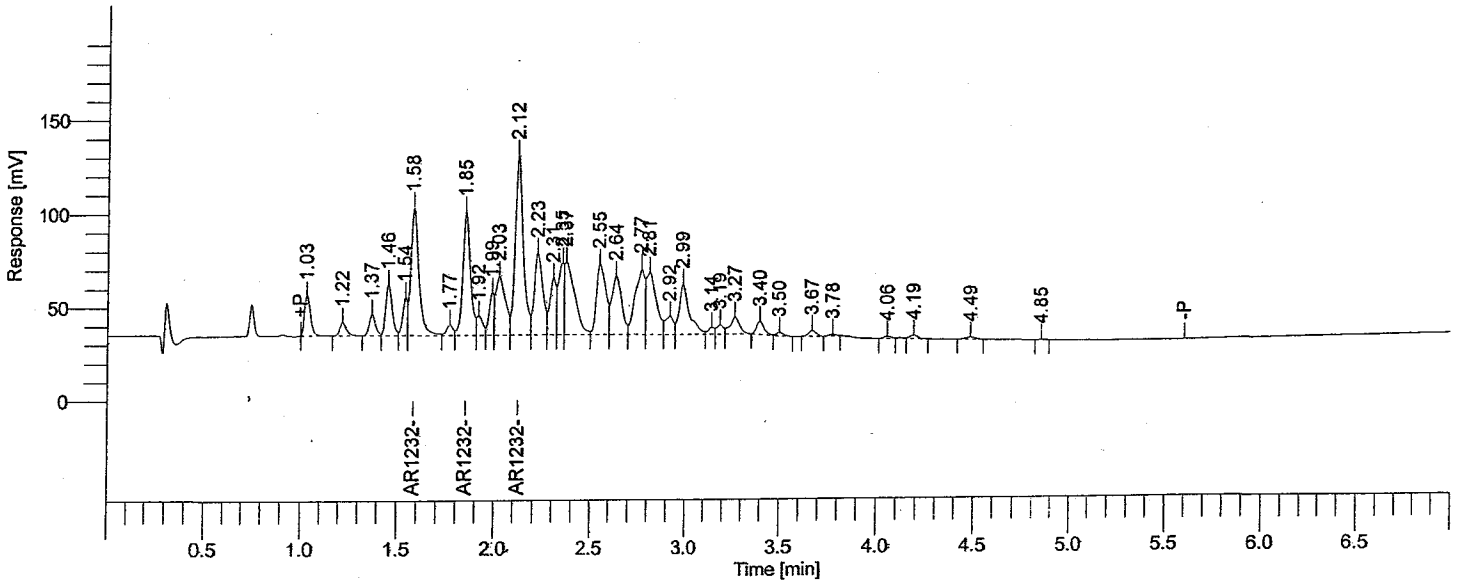
07/21/2004 13:18:57 Result: H:\TURBO6\5890-12\12a17236.rst

Group Report For : AR1221

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.03	BV	80366	AR1221-A	0.5611	1.4324e+05	1.6073e+05	--------
1.45	VV	111385	AR1221-B	0.5704	1.9528e+05	2.2277e+05	--------
1.58	VV	275285	AR1221-C	0.5573	4.9394e+05	5.5057e+05	--------
		467037		1.6888		9.3407e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:35
Reprocess Number	: buf2042: 21059		
Operator	: tchrom	Sample Name	: ICM32CA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:35:35	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12a17229.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17229.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17229.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17229.rst
Calib Method : h:\turbo6\5890-12\la32(07-16-04).mth from H:\TURBO6\5890-12\12a17229.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.12		657008	AR1232	0.5000	------	
			657008			0.0000	

Processed by: GMD 7/22/04

Reviewed by: JL JUL 23 2004

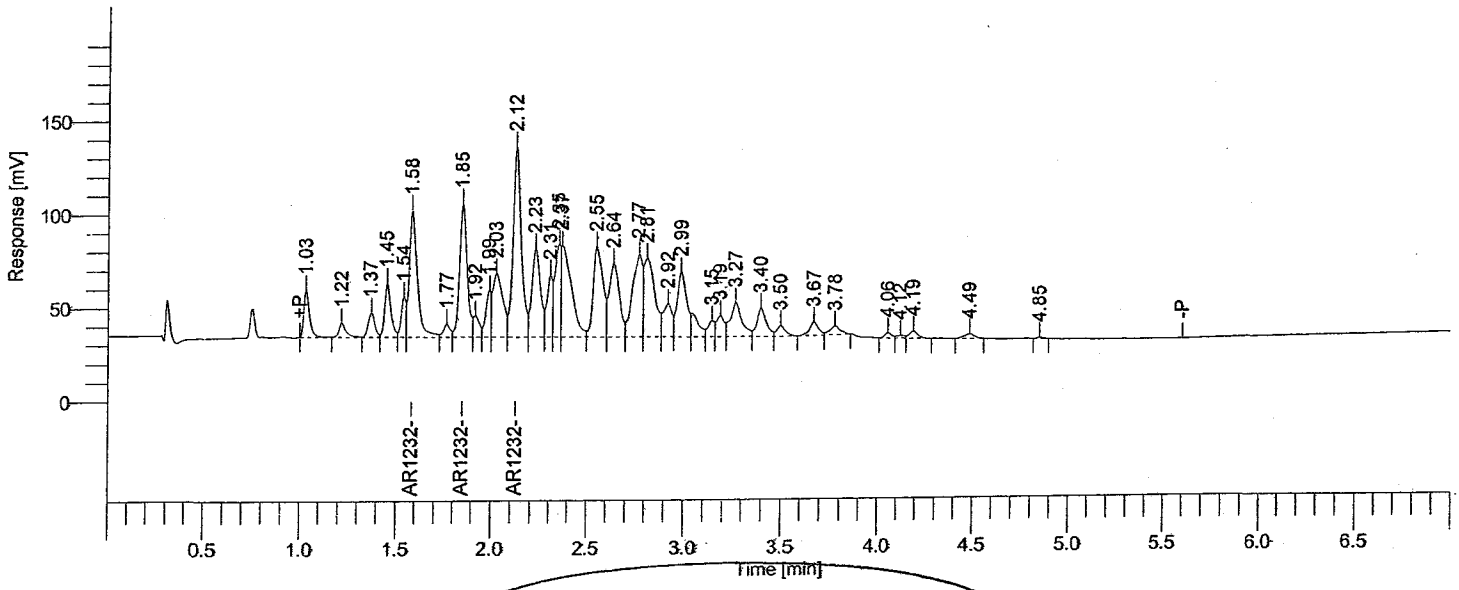
07/21/2004 13:18:35 Result: H:\TURBO6\5890-12\12a17229.rst

Group Report For : AR1232

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.58	VV	192423	AR1232-A	0.5000	0.1667	3
8	1.85	VV	182626	AR1232-B	0.5000	0.1667	3
12	2.12	VV	281960	AR1232-C	0.5000	0.1667	3
			657008			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:55
Reprocess Number	: buf2042: 21071		
Operator	: tchrom	Sample Name	: ACM32YA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:51:23	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12a17235.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17235.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17235.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17235.rst
Calib Method : h:\turbo6\5890-12\la32(07-16-04).mth from H:\TURBO6\5890-12\12a17235.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.12		699288	AR1232	0.5322	1.3140e+06	1.3986e+06	-11.3
		699288		0.5322		1.3986e+06	

7/22/04

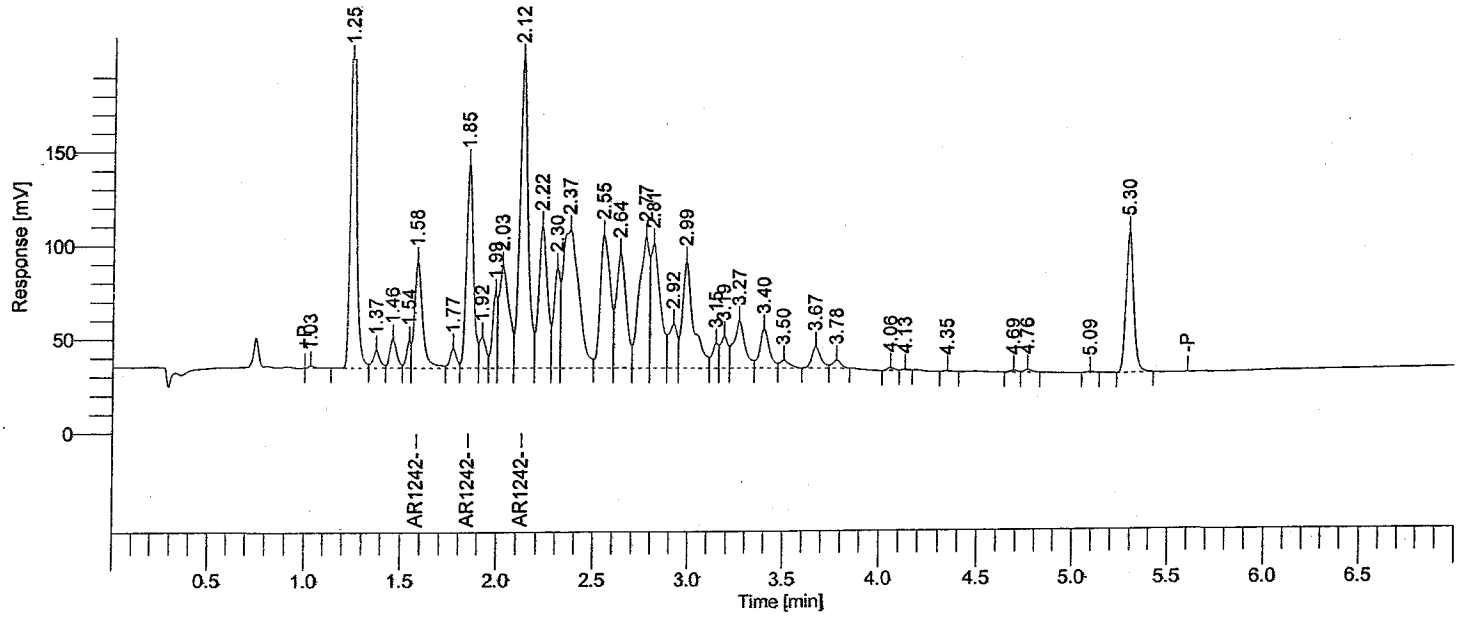
07/21/2004 13:18:55 Result: H:\TURBO6\5890-12\12a17235.rst

Group Report For : AR1232

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.58	VV	197339	AR1232-A	0.5128	3.8485e+05	3.9468e+05	--------
1.85	VV	196353	AR1232-B	0.5376	3.6525e+05	3.9271e+05	--------
2.12	VV	305596	AR1232-C	0.5419	5.6392e+05	6.1119e+05	--------
		699288		1.5923		1.3986e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:30
Reprocess Number	: buf2042: 21057		
Operator	: tchrom	Sample Name	: ICM42PB0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:22:54	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12a17228.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17228.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17228.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17228.rst
Calib Method : h:\turbo6\5890-12\la42(07-16-04).mth from H:\TURBO6\5890-12\12a17228.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.12		926975	AR1242	0.5000	------	0
			926975			0.0000	

Processed by: GAD 7\22\04

Reviewed by: JK JUL 23 2004

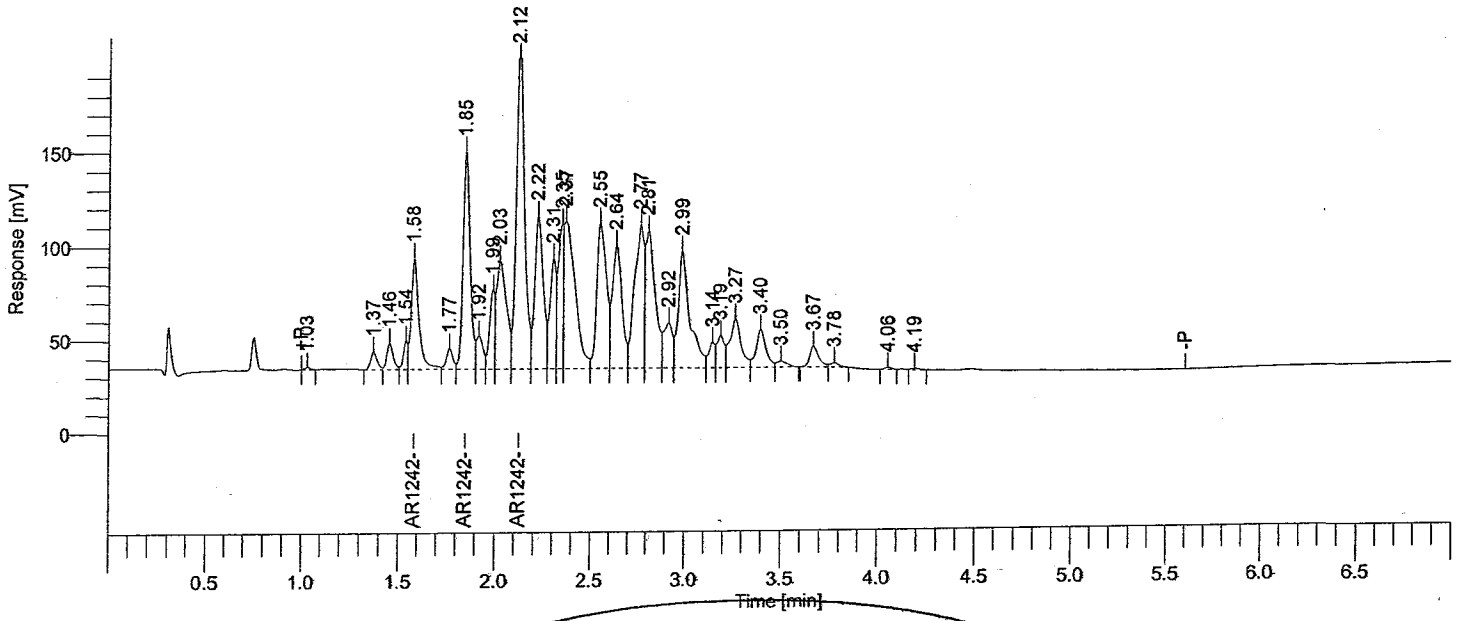
07/21/2004 13:18:30 Result: H:\TURBO6\5890-12\12a17228.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.58	VV	158055	AR1242-A	0.5000	0.1667	3
8	1.85	VV	280415	AR1242-B	0.5000	0.1667	3
12	2.12	VV	488505	AR1242-C	0.5000	0.1667	3
			926975			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:52
Reprocess Number	: buf2042: 21069		
Operator	: tchrom	Sample Name	: ACM42LA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:38:44	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12a17234.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17234.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17234.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17234.rst
Calib Method : h:\turbo6\5890-12\la42(07-16-04).mth from H:\TURBO6\5890-12\12a17234.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.12		996695	AR1242	0.5376	1.8540e+06	1.9934e+06	-10.4
		996695		0.5376		1.9934e+06	

7/22/04

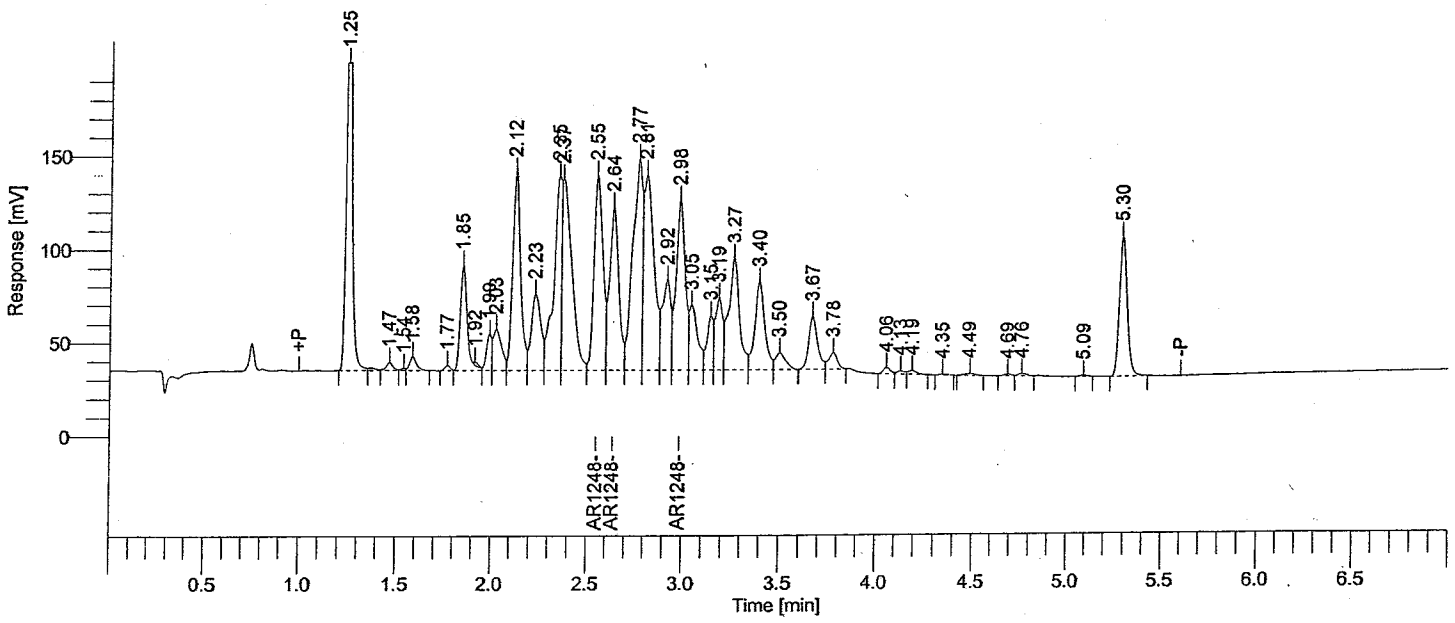
07/21/2004 13:18:52 Result: H:\TURBO6\5890-12\12a17234.rst

Group Report For : AR1242

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.58	VV	166813	AR1242-A	0.5277	3.1611e+05	3.3363e+05	-------
1.85	VV	299320	AR1242-B	0.5337	5.6083e+05	5.9864e+05	-------
2.12	VV	530562	AR1242-C	0.5430	9.7701e+05	1.0611e+06	-------
		996695		1.6045		1.9934e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:25
Reprocess Number	: buf2042: 21055		
Operator	: tchrom	Sample Name	: ICM48OA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:10:18	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12a17227.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17227.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17227.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17227.rst
Calib Method : h:\turbo6\5890-12\la48(07-16-04).mth from H:\TURBO6\5890-12\12a17227.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.55		932577	AR1248	0.5000	------	0
			932577			0.0000	

Processed by: GD 7/22/04

Reviewed by: JUL 23 2004

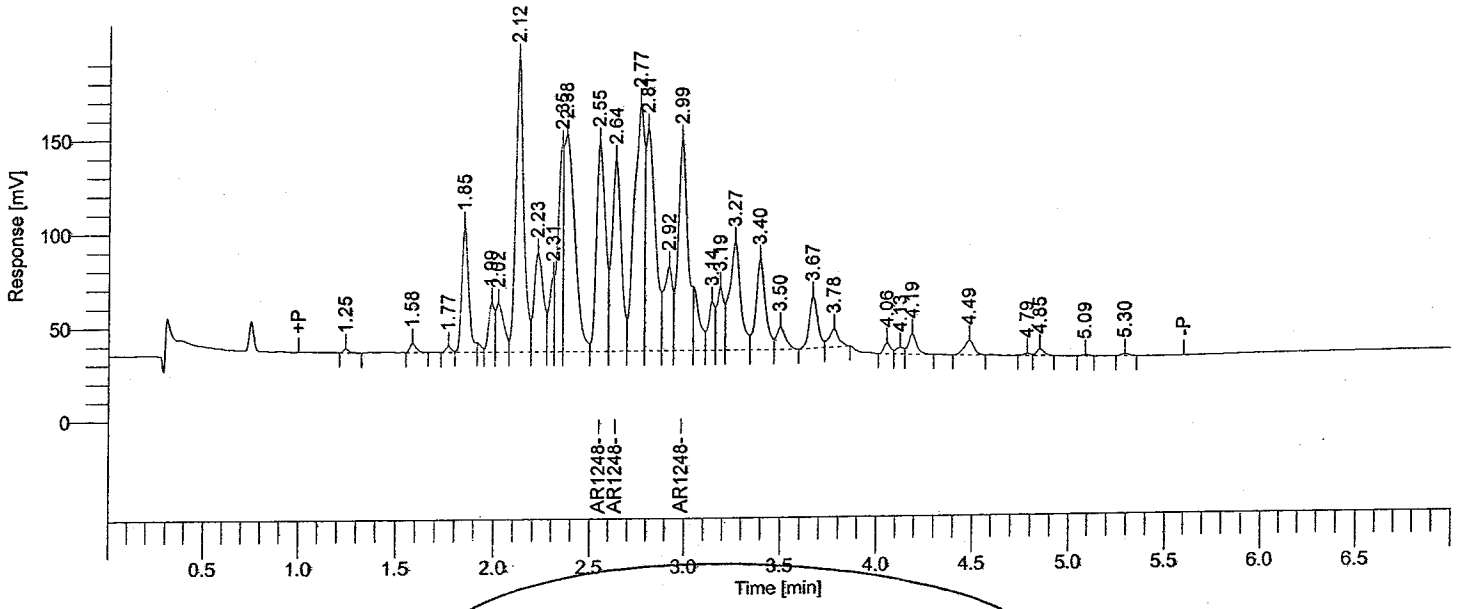
07/21/2004 13:18:25 Result: H:\TURBO6\5890-12\12a17227.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
14	2.55	VV	332490	AR1248-A	0.5000	0.1667	3
15	2.64	VV	304739	AR1248-B	0.5000	0.1667	3
19	2.98	VV	295348	AR1248-C	0.5000	0.1667	3
			932577			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:49
Reprocess Number	: buf2042: 21067		
Operator	: tchrom	Sample Name	: ACM48JA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:26:06	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12a17233.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17233.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17233.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17233.rst
Calib Method : h:\turbo6\5890-12\la48(07-16-04).mth from H:\TURBO6\5890-12\12a17233.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.99		1105897	AR1248	0.5929	1.8652e+06	2.2118e+06	-1.2
		1105897		0.5929		2.2118e+06	

7/22/04

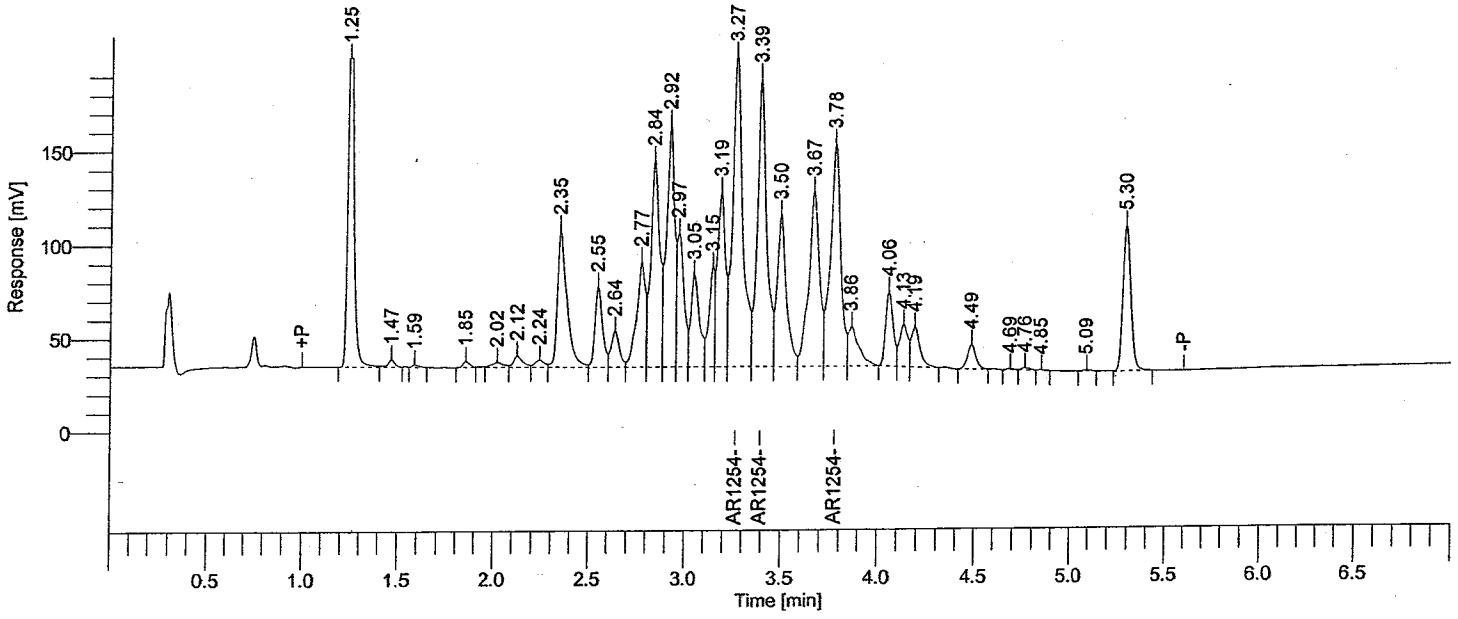
07/21/2004 13:18:49 Result: H:\TURBO6\5890-12\12a17233.rst

Group Report For : AR1248

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.55	VV	362764	AR1248-A	0.5455	6.6498e+05	7.2553e+05	--------
2.64	VV	358282	AR1248-B	0.5878	6.0948e+05	7.1656e+05	--------
2.99	VV	384851	AR1248-C	0.6515	5.9070e+05	7.6970e+05	--------
		1105897		1.7849		2.2118e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:20
Reprocess Number	: buf2042: 21053		
Operator	: tchrom	Sample Name	: ICM54QA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:57:39	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12a17226.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17226.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17226.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17226.rst
Calib Method : h:\turbo6\5890-12\la54(07-16-04).mth from H:\TURBO6\5890-12\12a17226.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	3.27		1582478	AR1254	0.5000	------	0
			1582478			0.0000	

Processed by: GHD 7/22/04

Reviewed by: JUL 23 2004

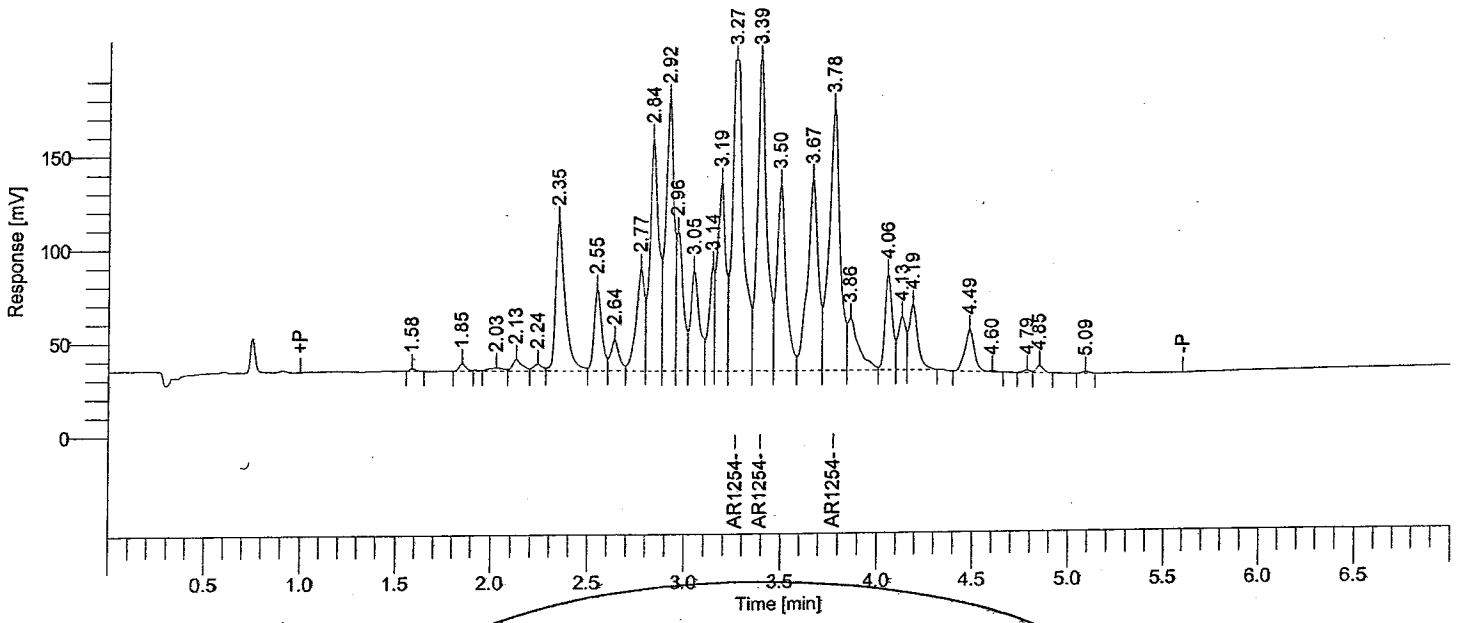
07/21/2004 13:18:20 Result: H:\TURBO6\5890-12\12a17226.rst

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name		NG conc.	AVG NG CONC (5pts)	# PEAKS USED
18	3.27	VV	616804	AR1254-A		0.5000	0.1667	3
19	3.39	VV	529662	AR1254-B		0.5000	0.1667	3
22	3.78	VV	436012	AR1254-C		0.5000	0.1667	3
			1582478				0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:46
Reprocess Number	: buf2042: 21065		
Operator	: tchrom	Sample Name	: ACM54OA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:13:27	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12a17232.raw <Modified>
Result File : H:\TURBO6\5890-12\12a17232.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a17232.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a17232.rst
Calib Method : h:\turbo6\5890-12\la54(07-16-04).mth from H:\TURBO6\5890-12\12a17232.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

7/22/04

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.27		1828786	AR1254	0.5778	3.1650e+06	3.6576e+06	-3.7
		1828786		0.5778		3.6576e+06	

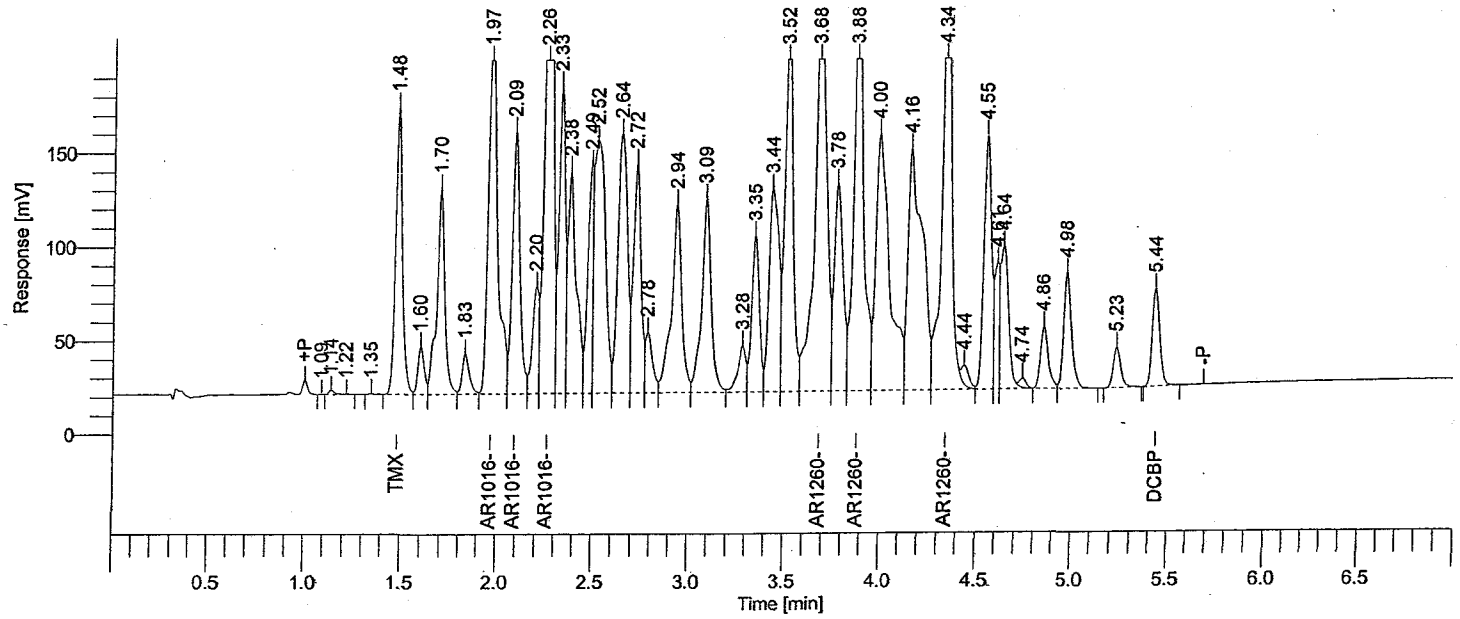
07/21/2004 13:18:46 Result: H:\TURBO6\5890-12\12a17232.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.27	VV	693593	AR1254-A	0.5622	1.2336e+06	1.3872e+06	--------
3.39	VV	598799	AR1254-B	0.5653	1.0593e+06	1.1976e+06	--------
3.78	VV	536393	AR1254-C	0.6151	8.7202e+05	1.0728e+06	--------
		1828786		1.7426		3.6576e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:52:59
Reprocess Number	: buf2042: 21045		
Operator	: tchrom	Sample Name	: ICM66HD2.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 09:29:20	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12b17219.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17219.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17219.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17219.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17219.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.48	VV	352747	TMX	0.0500	------	0
	2.26		1998983	AR1016	2.5000	------	0
	4.34		2541669	AR1260	2.5000	------	0
40	5.44	BB	145896	DCBP	0.0500	------	0
			5039294			0.0000	

JUL 23 2004

07/21/2004 12:52:59 Result: H:\TURBO6\5890-12\12b17219.rst

Group Report For : AR1016

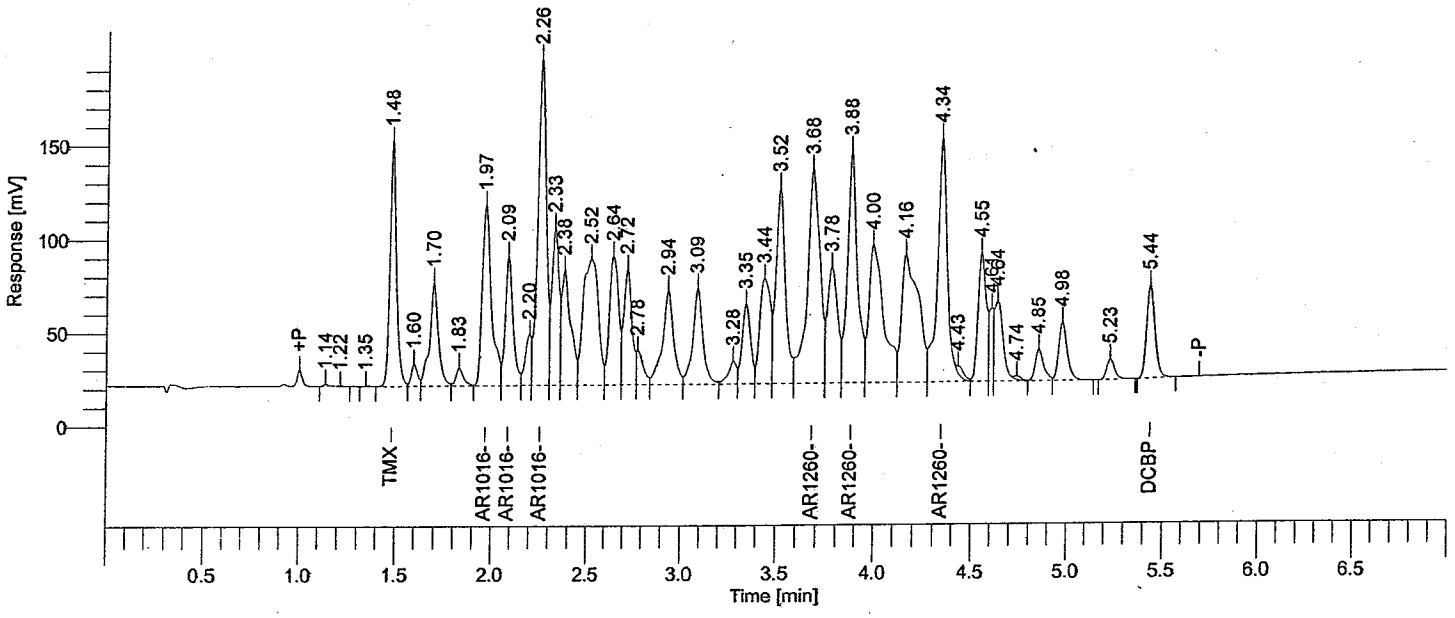
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	1.97	VV	644866	AR1016-A	2.5000	0.8333	3
10	2.09	VV	375875	AR1016-B	2.5000	0.8333	3
12	2.26	VV	978242	AR1016-C	2.5000	0.8333	3
			1998983			2.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.68	VV	911958	AR1260-A	2.5000	0.8333	3
28	3.88	VV	805465	AR1260-B	2.5000	0.8333	3
31	4.34	VE	824246	AR1260-C	2.5000	0.8333	3
			2541669			2.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:53:01
Reprocess Number	: buf2042: 21046		
Operator	: tchrom	Sample Name	: ICM66HE1.0
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 09:41:54	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12b17220.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17220.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17220.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17220.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17220.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.48	VV	308496	TMX	0.0400	-------	0
	2.26		1041923	AR1016	1.0000	-------	0
	4.34		1436650	AR1260	1.0000	-------	0
38	5.44	BB	148101	DCBP	0.0400	-------	0
			2935170			0.0000	

JUL 23 2004

07/21/2004 12:53:01 Result: H:\TURBO6\5890-12\12b17220.rst

Group Report For : AR1016

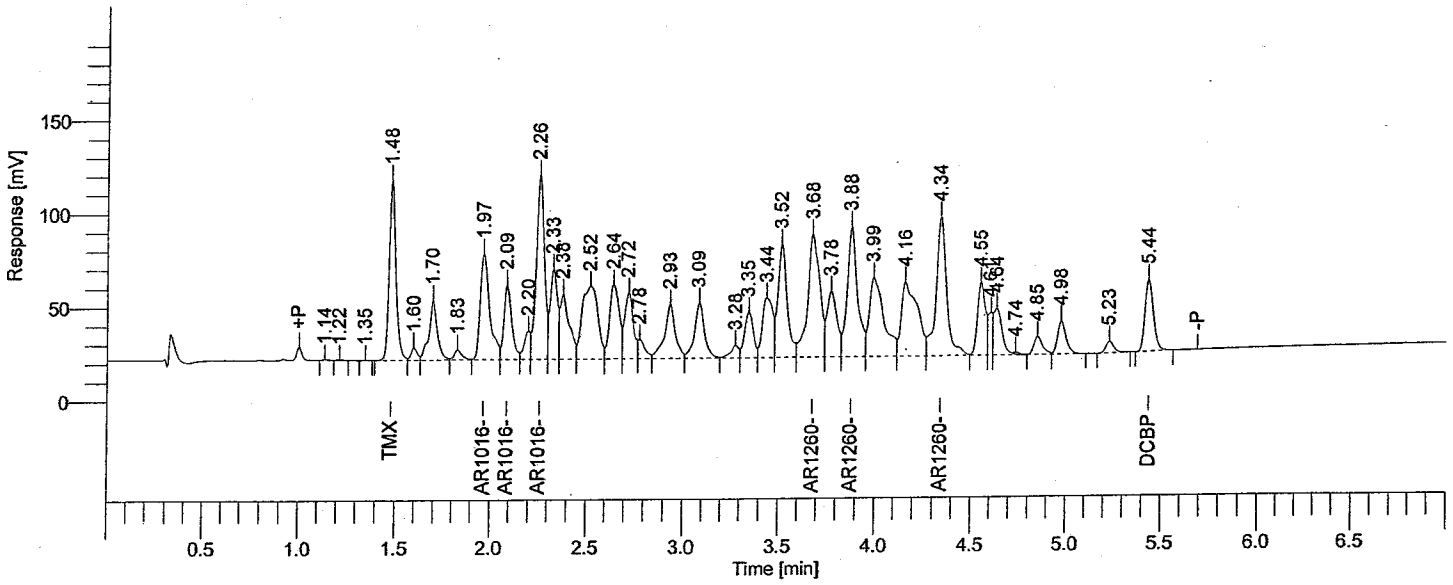
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.97	VV	330310	AR1016-A	1.0000	0.3333	3
9	2.09	VV	199163	AR1016-B	1.0000	0.3333	3
11	2.26	VV	512450	AR1016-C	1.0000	0.3333	3
			1041923			1.0000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	3.68	VV	501372	AR1260-A	1.0000	0.3333	3
26	3.88	VV	464257	AR1260-B	1.0000	0.3333	3
29	4.34	VE	471020	AR1260-C	1.0000	0.3333	3
			1436650			1.0000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:53:03
Reprocess Number	: buf2042: 21047		
Operator	: tchrom	Sample Name	: ICM66HB0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 09:54:32	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12b17221.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17221.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17221.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17221.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17221.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.48	VV	223890	TMX	0.0300	-------	0
	2.26		592831	AR1016	0.5000	-------	0
	4.34		824041	AR1260	0.5000	-------	0
37	5.44	BB	115257	DCBP	0.0300	-------	0
			1756019			0.0000	

JUL 23 2004

07/21/2004 12:53:03 Result: H:\TURBO6\5890-12\12b17221.rst

Group Report For : AR1016

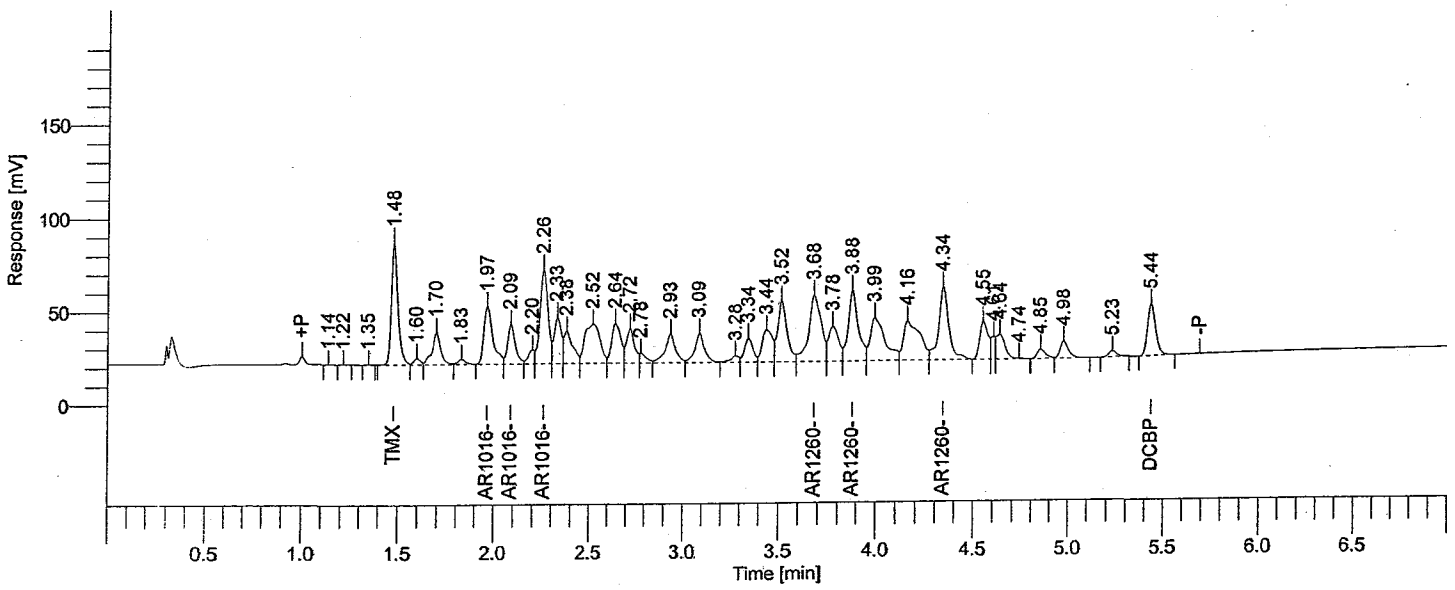
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.97	VV	191883	AR1016-A	0.5000	0.1667	3
9	2.09	VV	113263	AR1016-B	0.5000	0.1667	3
11	2.26	VV	287685	AR1016-C	0.5000	0.1667	3
			592831			0.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	3.68	VV	287430	AR1260-A	0.5000	0.1667	3
26	3.88	VV	259372	AR1260-B	0.5000	0.1667	3
29	4.34	VV	277239	AR1260-C	0.5000	0.1667	3
			824041			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:53:04
Reprocess Number	: buf2042: 21048		
Operator	: tchrom	Sample Name	: ICM66HC0.25
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:07:08	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12b17222.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17222.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17222.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17222.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17222.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.48	VV	149319	TMX	0.0200	-------	0
	2.26		308628	AR1016	0.2500	-------	0
	4.34		447524	AR1260	0.2500	-------	0
37	5.44	BB	83432	DCBP	0.0200	-------	0
			988904			0.0000	

JUL 23 2004

07/21/2004 12:53:04 Result: H:\TURBO6\5890-12\12b17222.rst

Group Report For : AR1016

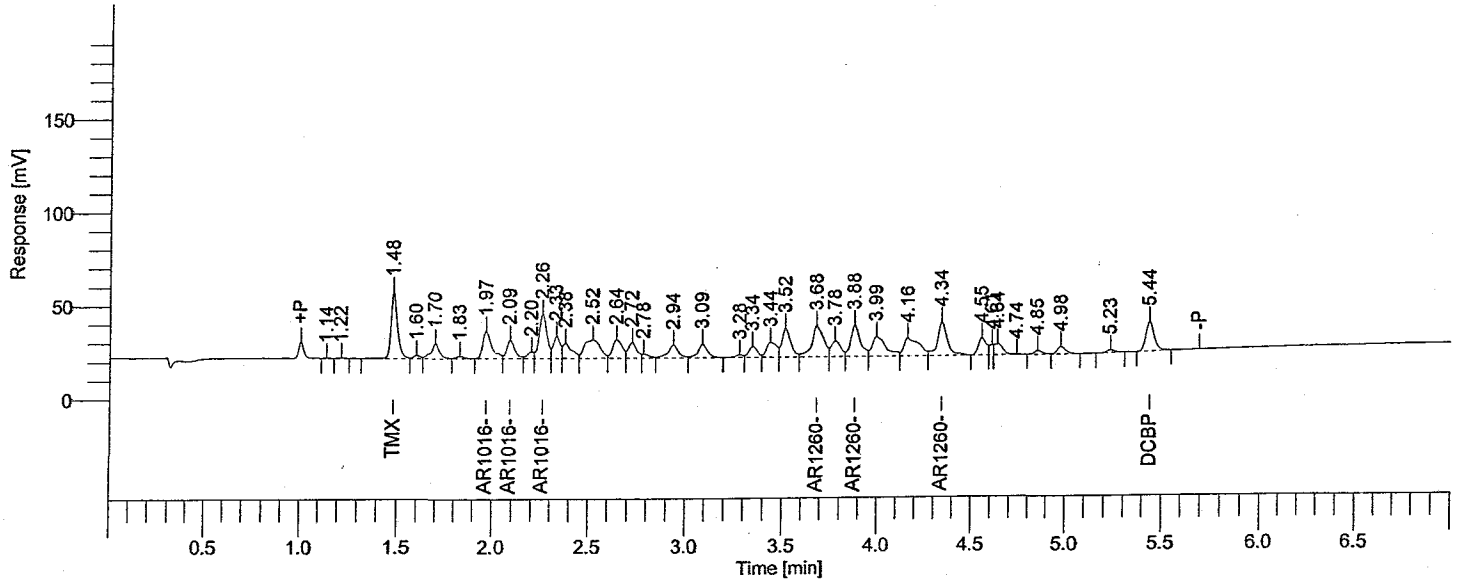
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.97	VV	102547	AR1016-A	0.2500	0.0833	3
9	2.09	VV	58725	AR1016-B	0.2500	0.0833	3
11	2.26	VV	147355	AR1016-C	0.2500	0.0833	3
			308628			0.2500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	3.68	VV	156666	AR1260-A	0.2500	0.0833	3
26	3.88	VV	143086	AR1260-B	0.2500	0.0833	3
29	4.34	VV	147772	AR1260-C	0.2500	0.0833	3
			447524			0.2500	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:53:06
Reprocess Number	: buf2042: 21049		
Operator	: tchrom	Sample Name	: ICM66HF0.10
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:19:47	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12b17223.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17223.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17223.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17223.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17223.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.48	BV	80271	TMX	0.0100	------	0
	2.26		143204	AR1016	0.1000	------	0
	4.34		196952	AR1260	0.1000	------	0
36	5.44	BB	46810	DCBP	0.0100	------	0
			467236			0.0000	

JUL 23 2004

07/21/2004 12:53:06 Result: H:\TURBO6\5890-12\12b17223.rst

Group Report For : AR1016

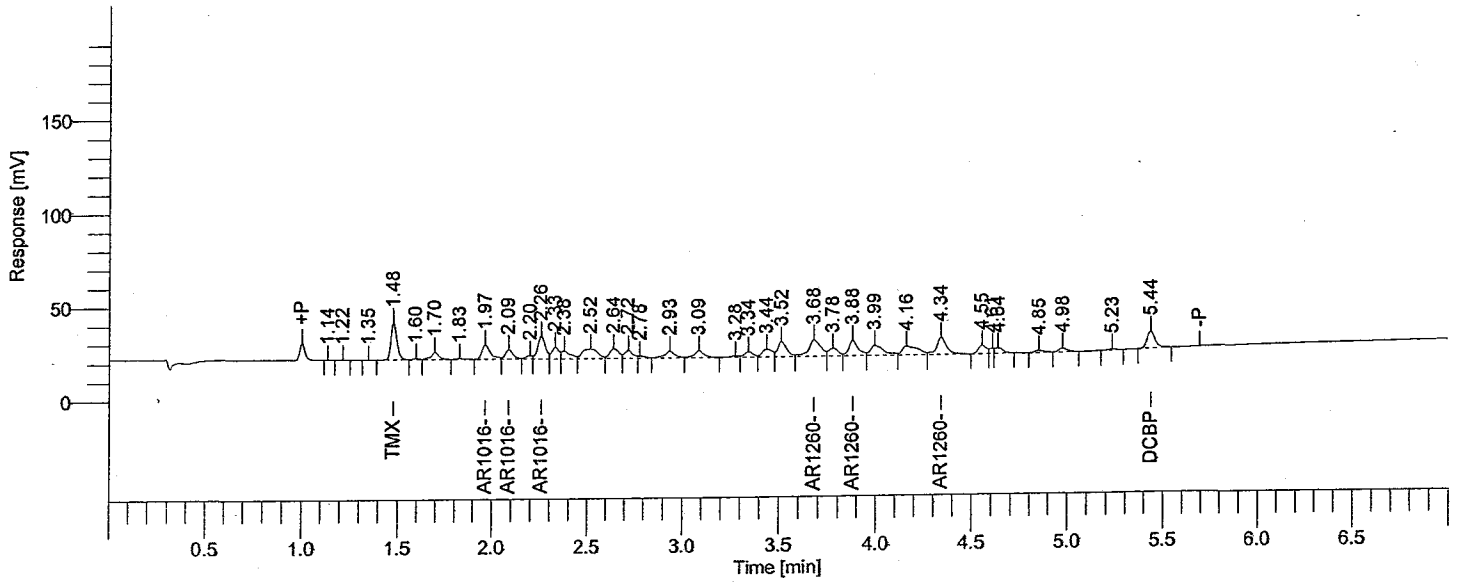
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.97	VV	48379	AR1016-A	0.1000	0.0333	3
8	2.09	VV	27489	AR1016-B	0.1000	0.0333	3
10	2.26	VV	67336	AR1016-C	0.1000	0.0333	3
			143204			0.1000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
23	3.68	VV	71668	AR1260-A	0.1000	0.0333	3
25	3.88	VV	59856	AR1260-B	0.1000	0.0333	3
28	4.34	VB	65427	AR1260-C	0.1000	0.0333	3
			196952			0.1000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:53:08
Reprocess Number	: buf2042: 21050		
Operator	: tchrom	Sample Name	: ICM66HG0.05
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:32:25	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12b17224.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17224.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17224.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17224.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17224.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



JUL 23 2004

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.48	VV	42884	TMX	0.0050	-------	0
	2.26		73294	AR1016	0.0500	-------	0
	4.34		98556	AR1260	0.0500	-------	0
36	5.44	BB	26560	DCBP	0.0050	-------	0
			241294			0.0000	

07/21/2004 12:53:08 Result: H:\TURBO6\5890-12\12b17224.rst

Group Report For : AR1016

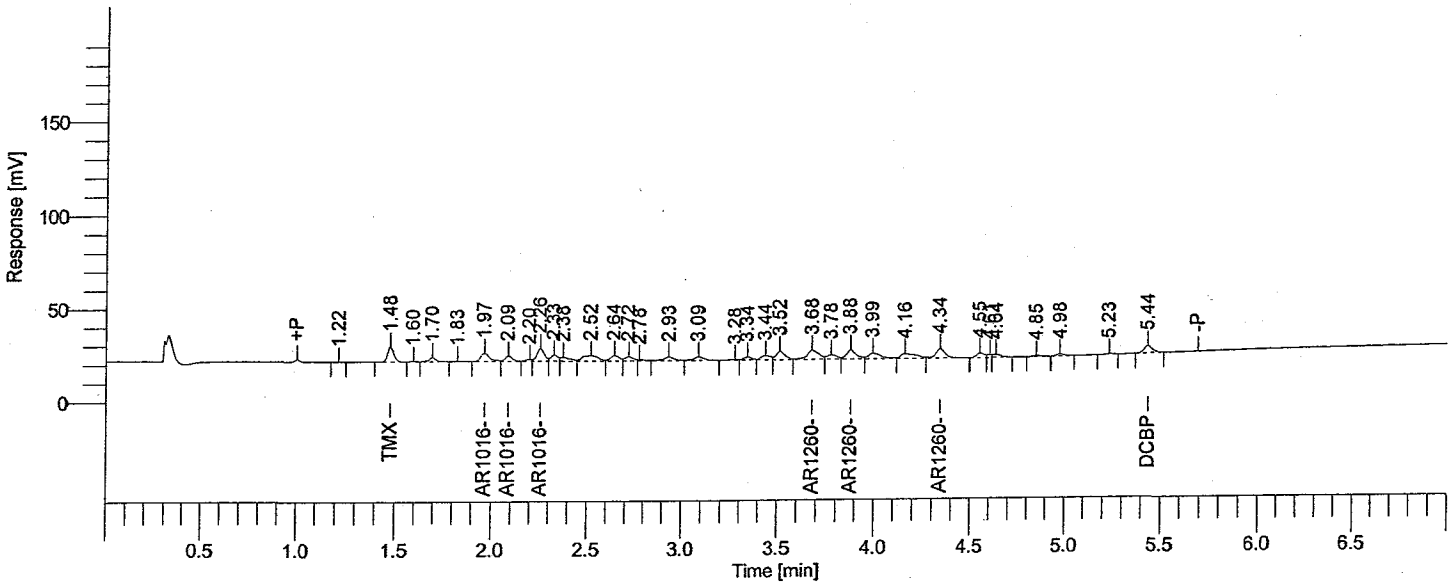
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.97	VV	25054	AR1016-A	0.0500	0.0167	3
9	2.09	VV	14108	AR1016-B	0.0500	0.0167	3
11	2.26	VV	34131	AR1016-C	0.0500	0.0167	3
			73294			0.0500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	3.68	VV	36825	AR1260-A	0.0500	0.0167	3
26	3.88	VV	28710	AR1260-B	0.0500	0.0167	3
29	4.34	VB	33021	AR1260-C	0.0500	0.0167	3
			98556			0.0500	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 12:53:09
Reprocess Number	: buf2042: 21051		
Operator	: tchrom	Sample Name	: ICM66HC0.025
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:45:04	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12b17225.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17225.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17225.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17225.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17225.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.48	BB	17105	TMX	0.0016	-------	0
	2.26		40852	AR1016	0.0250	-------	0
	4.34		56052	AR1260	0.0250	-------	0
34	5.44	BB	10890	DCBP	0.0011	-------	0
			124900			0.0000	

JUL 23 2004

07/21/2004 12:53:09 Result: H:\TURBO6\5890-12\12b17225.rst

Group Report For : AR1016

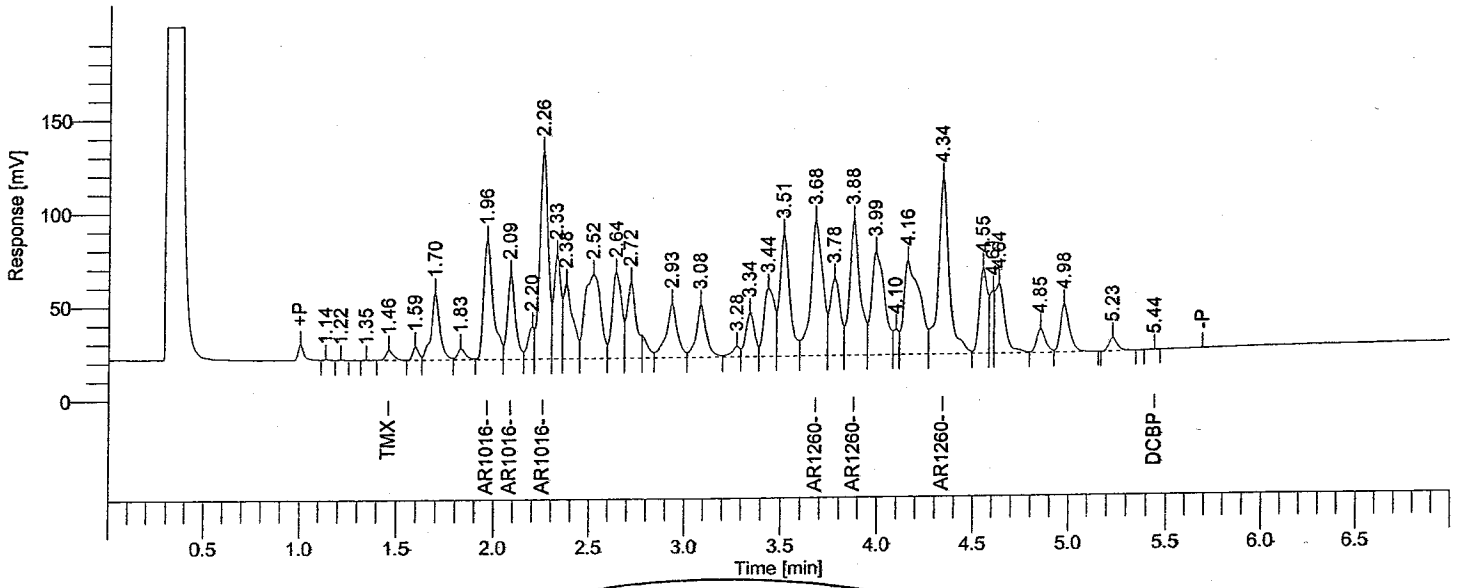
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.97	VV	14108	AR1016-A	0.0250	0.0083	3
7	2.09	VV	7837	AR1016-B	0.0250	0.0083	3
9	2.26	VV	18907	AR1016-C	0.0250	0.0083	3
			40852			0.0250	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
22	3.68	VV	20649	AR1260-A	0.0250	0.0083	3
24	3.88	VV	17462	AR1260-B	0.0250	0.0083	3
27	4.34	VB	17941	AR1260-C	0.0250	0.0083	3
			56052			0.0250	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:45
Reprocess Number	: buf2042: 21064		
Operator	: tchrom	Sample Name	: ACM66AB0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:00:51	Cycle	: 6

Raw Data File : H:\TURBO6\5890-12\12b17231.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17231.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17231.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17231.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b17231.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.46	BB	14630	TMX	0.0014	1.0695e+07	29260.4000	
2.26		681806	AR1016	0.5970	1.1421e+06	1.3636e+06	-0.5
4.34		963153	AR1260	0.6036	1.5958e+06	1.9263e+06	0.6
		1659589		1.2019		3.3192e+06	

7/22/04

07/21/2004 13:18:45 Result: H:\TURBO6\5890-12\12b17231.rst

Group Report For : AR1016

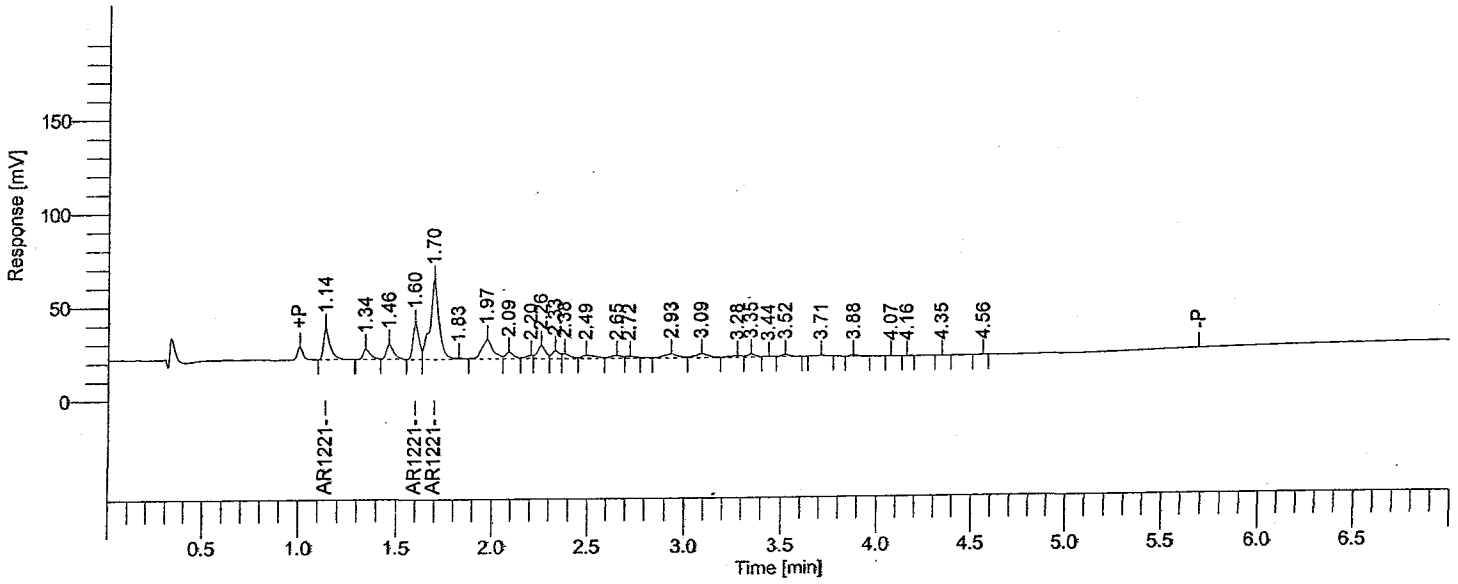
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.96	VV	219025	AR1016-A	0.5959	3.6757e+05	4.3805e+05	--------
2.09	VV	130889	AR1016-B	0.5999	2.1819e+05	2.6178e+05	--------
2.26	VV	331892	AR1016-C	0.5968	5.5613e+05	6.6378e+05	--------
		681806		1.7925		1.3636e+06	

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.68	VV	312304	AR1260-A	0.5550	5.6270e+05	6.2461e+05	--------
3.88	VV	281011	AR1260-B	0.5448	5.1582e+05	5.6202e+05	--------
4.34	VV	369837	AR1260-C	0.7163	5.1629e+05	7.3967e+05	--------
		963153		1.8161		1.9263e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:41
Reprocess Number	: buf2042: 21062		
Operator	: tchrom	Sample Name	: ICM21OA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:48:12	Cycle	: 5

Raw Data File : H:\TURBO6\5890-12\12b17230.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17230.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17230.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17230.rst
Calib Method : h:\turbo6\5890-12\lb21(07-16-04).mth from H:\TURBO6\5890-12\12b17230.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)
	1.70		224829	AR1221	0.5000	-----
			224829			0.0000

PEAKS USED 0

Processed by: GFD 7/22/04

Reviewed by: JUL 23 2004

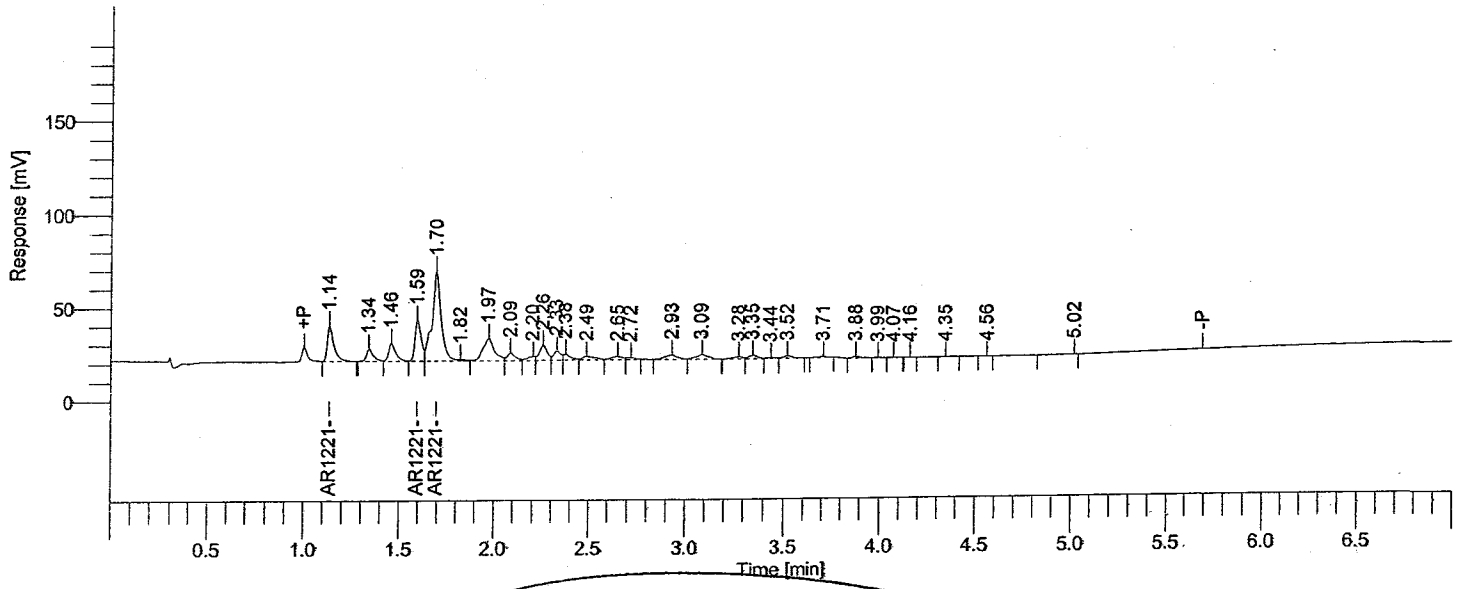
07/21/2004 13:18:41 Result: H:\TURBO6\5890-12\12b17230.rst

Group Report For : AR1221

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.14	BB	40837	AR1221-A	0.5000	0.1667	3
4	1.60	VV	42674	AR1221-B	0.5000	0.1667	3
5	1.70	VE	141318	AR1221-C	0.5000	0.1667	3
			224829			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:58
Reprocess Number	: buf2042: 21074		
Operator	: tchrom	Sample Name	: ACM21MA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 13:03:59	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12b17236.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17236.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17236.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17236.rst
Calib Method : h:\turbo6\5890-12\lb21(07-16-04).mth from H:\TURBO6\5890-12\12b17236.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.70		257196	AR1221	0.5720	4.4966e+05	5.1439e+05	-4.7
		257196		0.5720		5.1439e+05	

7/22/04 GRD

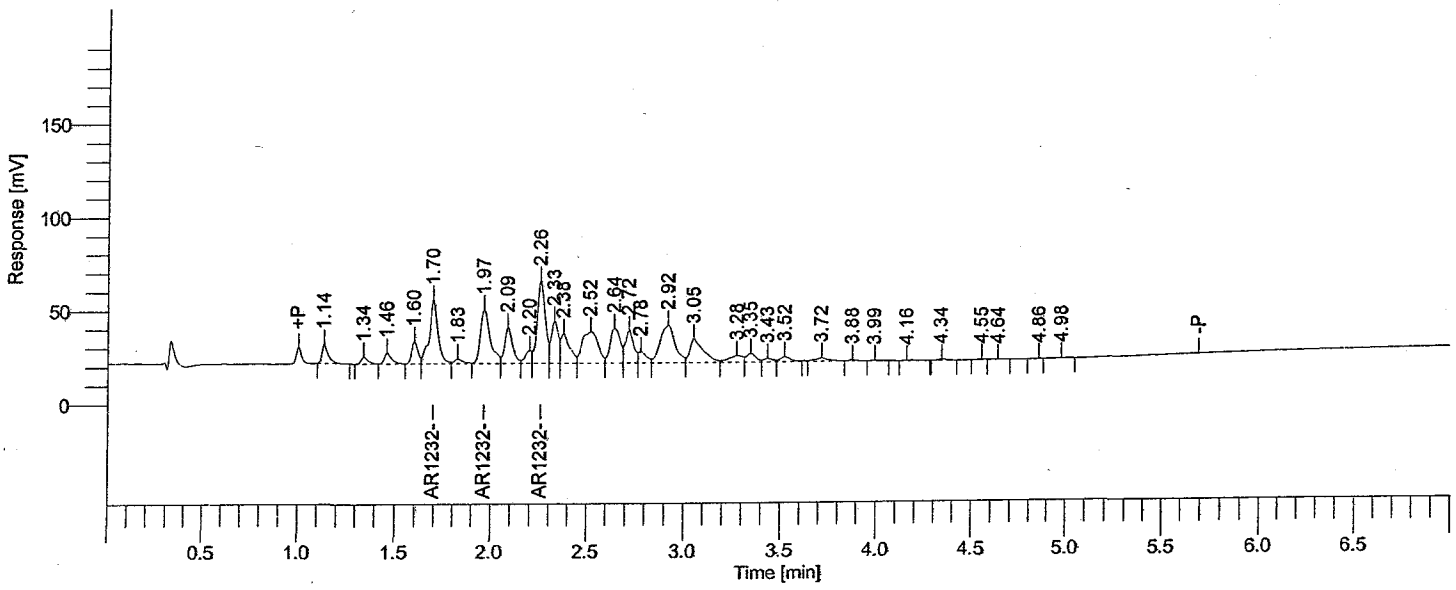
07/21/2004 13:18:58 Result: H:\TURBO6\5890-12\12b17236.rst

Group Report For : AR1221

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.14	BB	46461	AR1221-A	0.5689	81673.8000	92921.4000	--------
1.59	VV	49143	AR1221-B	0.5758	85348.2403	98285.4915	--------
1.70	VE	161592	AR1221-C	0.5717	2.8264e+05	3.2318e+05	--------
		257196		1.7164		5.1439e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:37
Reprocess Number	: buf2042: 21060		
Operator	: tchrom	Sample Name	: ICM32CA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:35:35	Cycle	: 4

Raw Data File : H:\TURBO6\5890-12\12b17229.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17229.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17229.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17229.rst
Calib Method : h:\turbo6\5890-12\lb32(07-16-04).mth from H:\TURBO6\5890-12\12b17229.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)
	2.26		337952	AR1232	0.5000	------
			337952			0.0000

~~# PEAKS~~ USED

Processed by: GM 7/22/04

Reviewed by: 92 JUL 23 2004

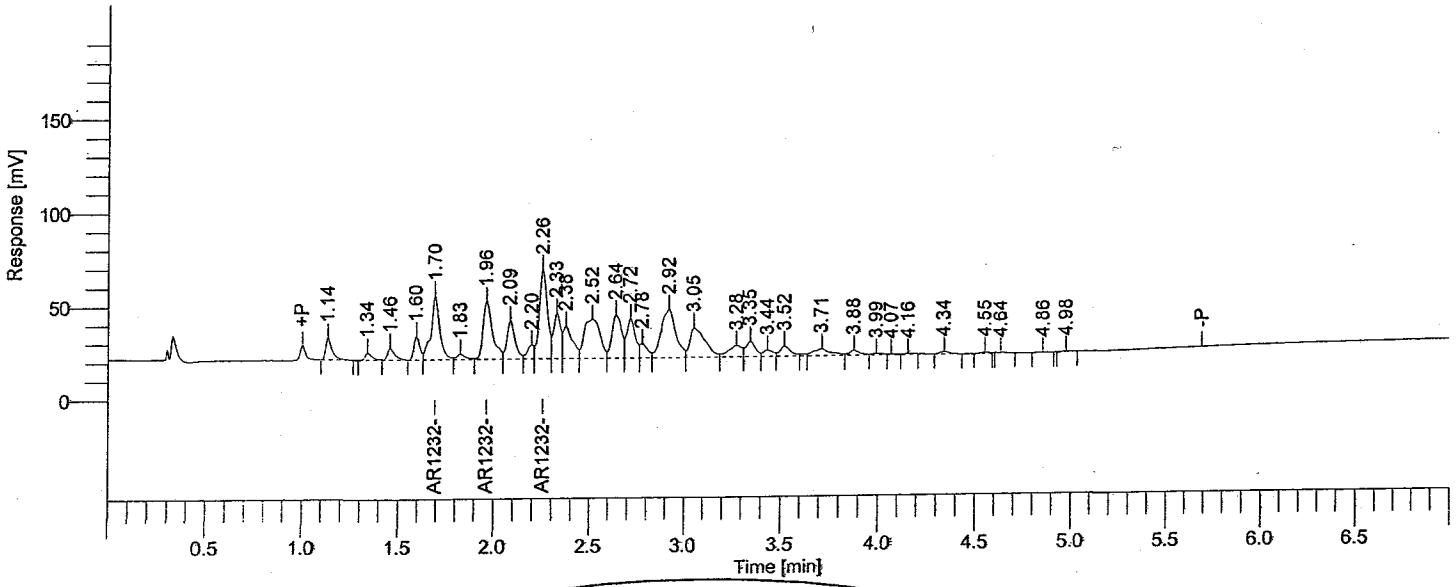
07/21/2004 13:18:37 Result: H:\TURBO6\5890-12\12b17229.rst

Group Report For : AR1232

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.70	VV	108865	AR1232-A	0.5000	0.1667	3
7	1.97	VV	100424	AR1232-B	0.5000	0.1667	3
10	2.26	VV	128664	AR1232-C	0.5000	0.1667	3
			337952			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:56
Reprocess Number	: buf2042: 21072		
Operator	: tchrom	Sample Name	: ACM32YA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:51:23	Cycle	: 10

Raw Data File : H:\TURBO6\5890-12\12b17235.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17235.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17235.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17235.rst
Calib Method : h:\turbo6\5890-12\lb32(07-16-04).mth from H:\TURBO6\5890-12\12b17235.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.26		357942	AR1232	0.5296	6.7590e+05	7.1588e+05	-11.7
		357942		0.5296		7.1588e+05	

7/22/04

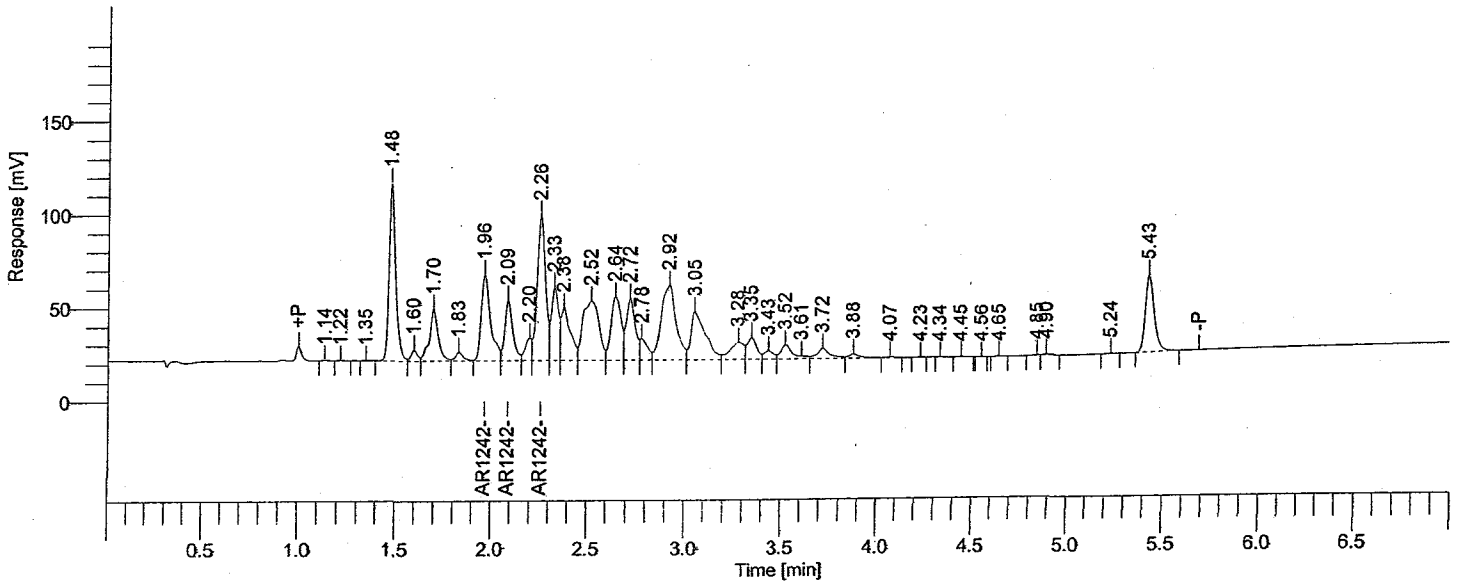
07/21/2004 13:18:56 Result: H:\TURBO6\5890-12\12b17235.rst

Group Report For : AR1232

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.70	VV	111285	AR1232-A	0.5111	2.1773e+05	2.2257e+05	-------
1.96	VV	106853	AR1232-B	0.5320	2.0085e+05	2.1371e+05	-------
2.26	VV	139804	AR1232-C	0.5433	2.5733e+05	2.7961e+05	-------
		357942		1.5864		7.1588e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:33
Reprocess Number	: buf2042: 21058		
Operator	: tchrom	Sample Name	: ICM42PB0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:22:54	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12b17228.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17228.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17228.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17228.rst
Calib Method : h:\turbo6\5890-12\lb42(07-16-04).mth from H:\TURBO6\5890-12\12b17228.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)
	2.26		480288	AR1242	0.5000	------
			480288			0.0000

PEAKS USED

Processed by: GM 7/22/04

Reviewed by: JL JUL 23 2004

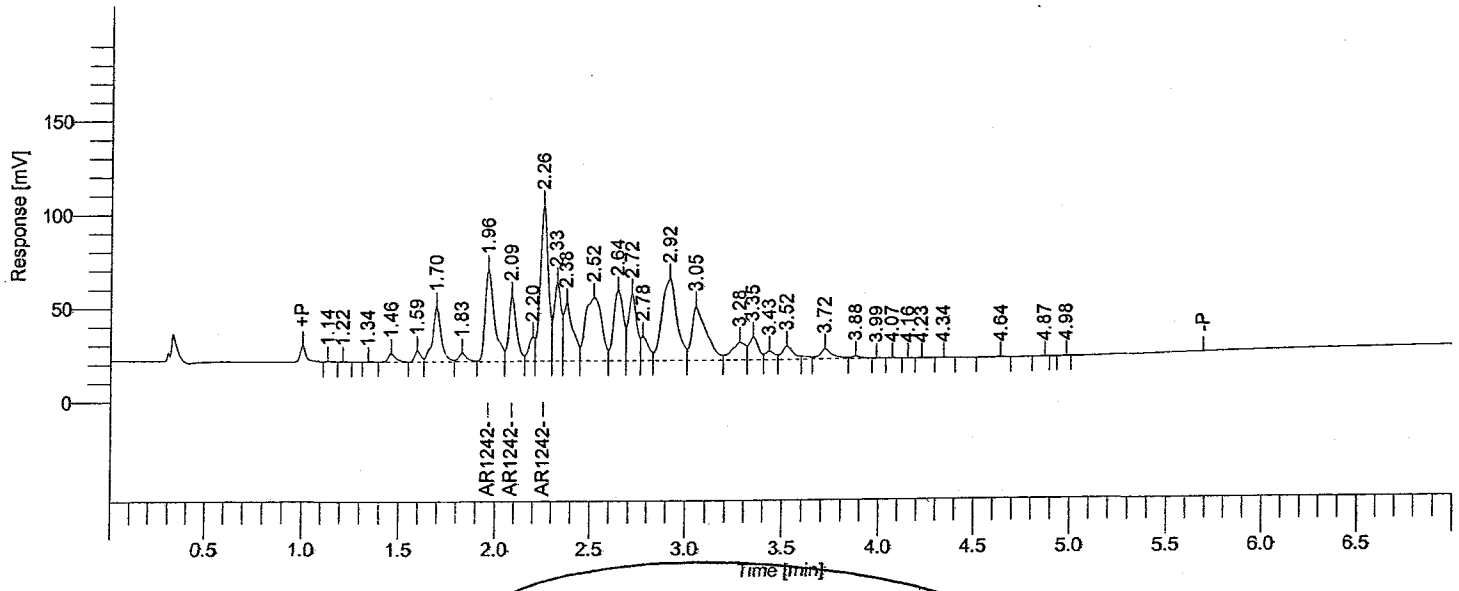
07/21/2004 13:18:33 Result: H:\TURBO6\5890-12\12b17228.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.96	VV	157155	AR1242-A	0.5000	0.1667	3
9	2.09	VV	92897	AR1242-B	0.5000	0.1667	3
11	2.26	VV	230237	AR1242-C	0.5000	0.1667	3
			480288			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:53
Reprocess Number	: buf2042: 21070		
Operator	: tchrom	Sample Name	: ACM42LA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:38:44	Cycle	: 9

Raw Data File : H:\TURBO6\5890-12\12b17234.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17234.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17234.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17234.rst
Calib Method : h:\turbo6\5890-12\lb42(07-16-04).mth from H:\TURBO6\5890-12\12b17234.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.26		516976	AR1242	0.5382	9.6058e+05	1.0340e+06	-10.3
		516976		0.5382		1.0340e+06	

7/22/04

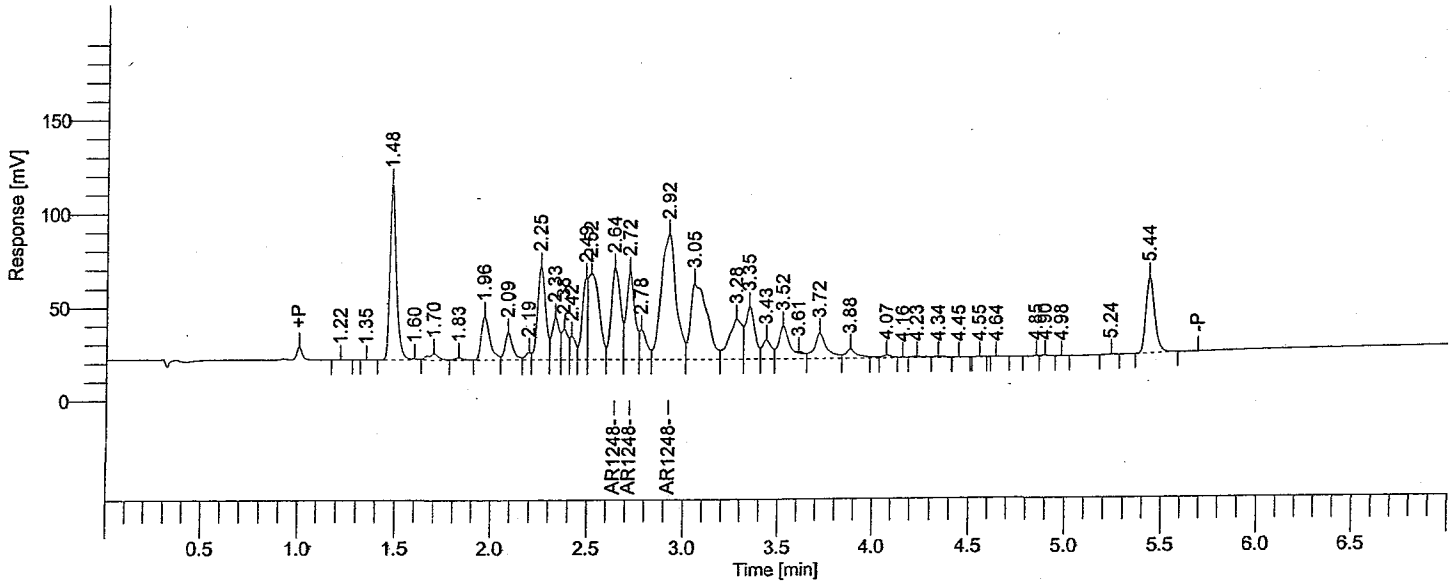
07/21/2004 13:18:53 Result: H:\TURBO6\5890-12\12b17234.rst

Group Report For : AR1242

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.96	VV	167908	AR1242-A	0.5342	3.1431e+05	3.3582e+05	--------
2.09	VV	100326	AR1242-B	0.5400	1.8579e+05	2.0065e+05	--------
2.26	VV	248741	AR1242-C	0.5402	4.6047e+05	4.9748e+05	--------
		516976		1.6144		1.0340e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:28
Reprocess Number	: buf2042: 21056		
Operator	: tchrom	Sample Name	: ICM48OA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 11:10:18	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12b17227.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17227.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17227.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17227.rst
Calib Method : h:\turbo6\5890-12\lb48(07-16-04).mth from H:\TURBO6\5890-12\12b17227.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.92		678904	AR1248	0.5000	----	
			678904			0.0000	

Processed by: GKD 7\22\04
Reviewed by: JL JUL 23 2004

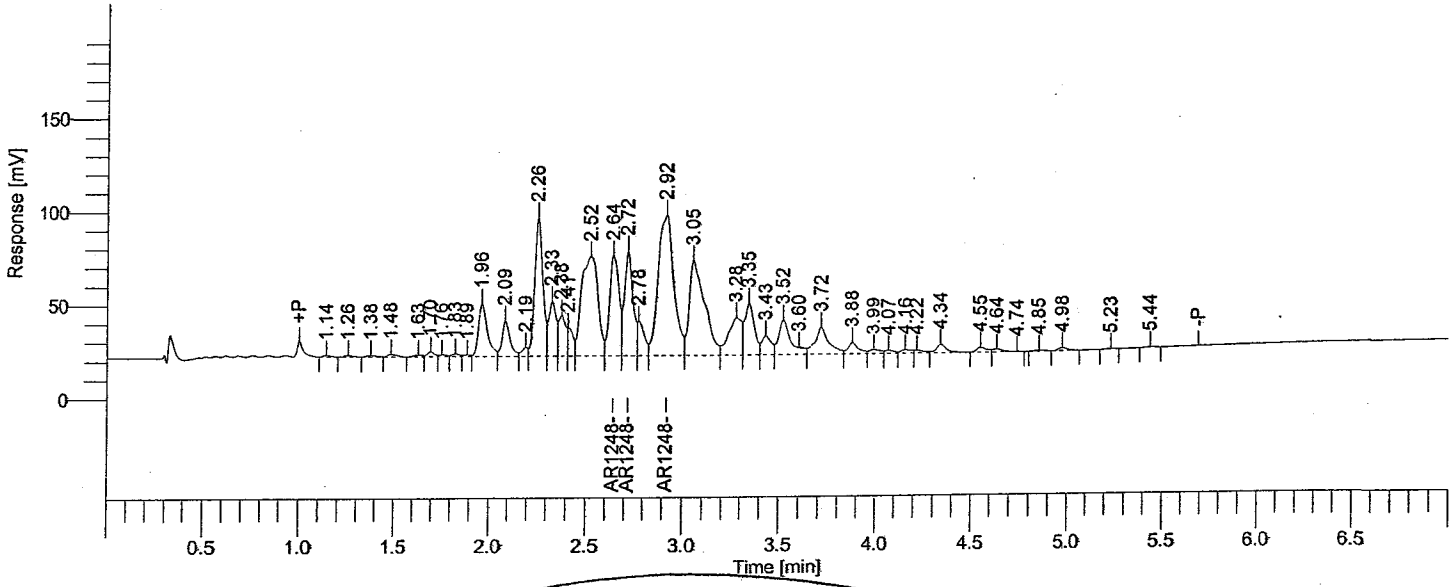
07/21/2004 13:18:28 Result: H:\TURBO6\5890-12\12b17227.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.64	VV	169052	AR1248-A	0.5000	0.1667	3
17	2.72	VV	146591	AR1248-B	0.5000	0.1667	3
19	2.92	VV	363261	AR1248-C	0.5000	0.1667	3
			678904			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:51
Reprocess Number	: buf2042: 21068		
Operator	: tchrom	Sample Name	: ACM48JA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:26:06	Cycle	: 8

Raw Data File : H:\TURBO6\5890-12\12b17233.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17233.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17233.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17233.rst
Calib Method : h:\turbo6\5890-12\lb48(07-16-04).mth from H:\TURBO6\5890-12\12b17233.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.92		785507	AR1248	0.5785	1.3578e+06	1.5710e+06	-3.6
		785507		0.5785		1.5710e+06	

7/22/04

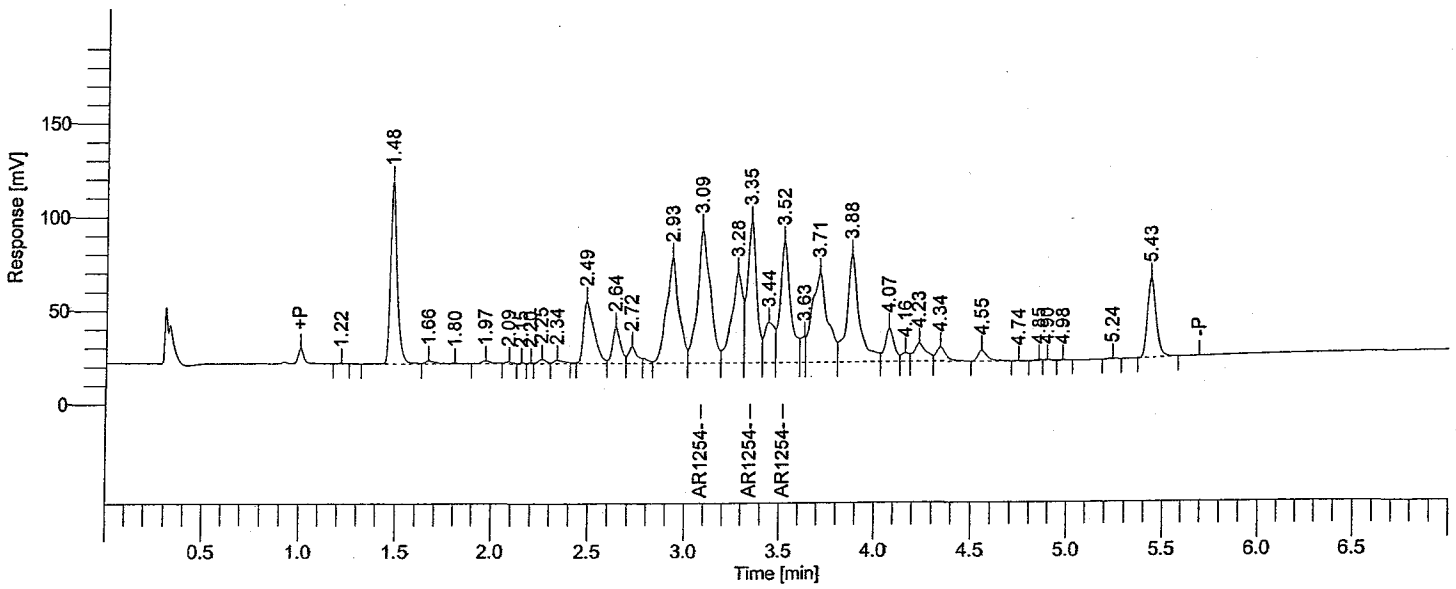
07/21/2004 13:18:51 Result: H:\TURBO6\5890-12\12b17233.rst

Group Report For : AR1248

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.64	VV	189363	AR1248-A	0.5601	3.3810e+05	3.7873e+05	--------
2.72	VV	177124	AR1248-B	0.6041	2.9318e+05	3.5425e+05	--------
2.92	VV	419020	AR1248-C	0.5767	7.2652e+05	8.3804e+05	--------
		785507		1.7410		1.5710e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:23
Reprocess Number	: buf2042: 21054		
Operator	: tchrom	Sample Name	: ICM54QA0.5
Sample Number	:	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 10:57:39	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12b17226.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17226.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17226.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17226.rst
Calib Method : h:\turbo6\5890-12\lb54(07-16-04).mth from H:\TURBO6\5890-12\12b17226.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)
	3.35		837862	AR1254	0.5000	------
			837862			0.0000

PEAKS USED

Processed by: GM 7\22\04

Reviewed by: JUL 23 2004

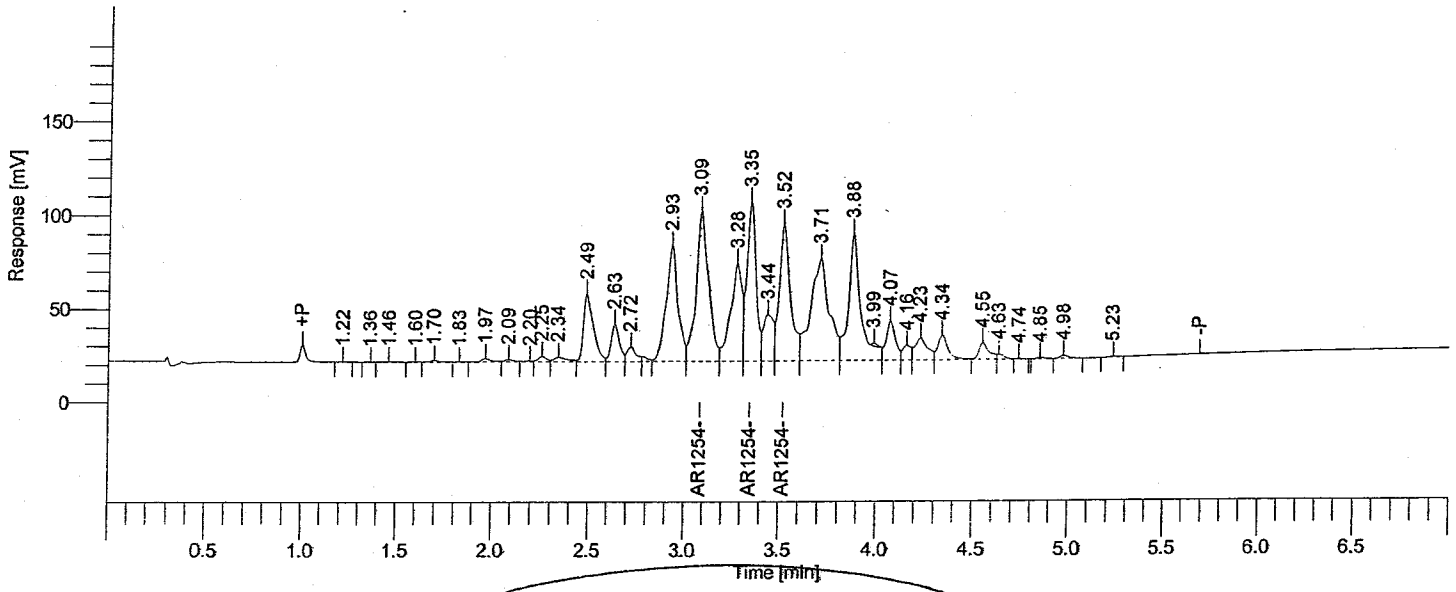
07/21/2004 13:18:23 Result: H:\TURBO6\5890-12\12b17226.rst

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
15	3.09	VV	333185	AR1254-A	0.5000	0.1667	3
17	3.35	VV	253290	AR1254-B	0.5000	0.1667	3
19	3.52	VV	251386	AR1254-C	0.5000	0.1667	3
			837862			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 07/21/2004 13:18:48
Reprocess Number	: buf2042: 21066		
Operator	: tchrom	Sample Name	: ACM54OA0.6
Sample Number	:	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/16/2004 12:13:27	Cycle	: 7

Raw Data File : H:\TURBO6\5890-12\12b17232.raw <Modified>
Result File : H:\TURBO6\5890-12\12b17232.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b17232.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b17232.rst
Calib Method : h:\turbo6\5890-12\lb54(07-16-04).mth from H:\TURBO6\5890-12\12b17232.rst
Report Format File: h:\turbo6\default\acm=%d.rpt
Sequence File : H:\TURBO6\5890-12\12D17.seq



2nd Source Check

7/22/04 GHD

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.35		943838	AR1254	0.5632	1.6757e+06	1.8877e+06	-6.1
		943838		0.5632		1.8877e+06	

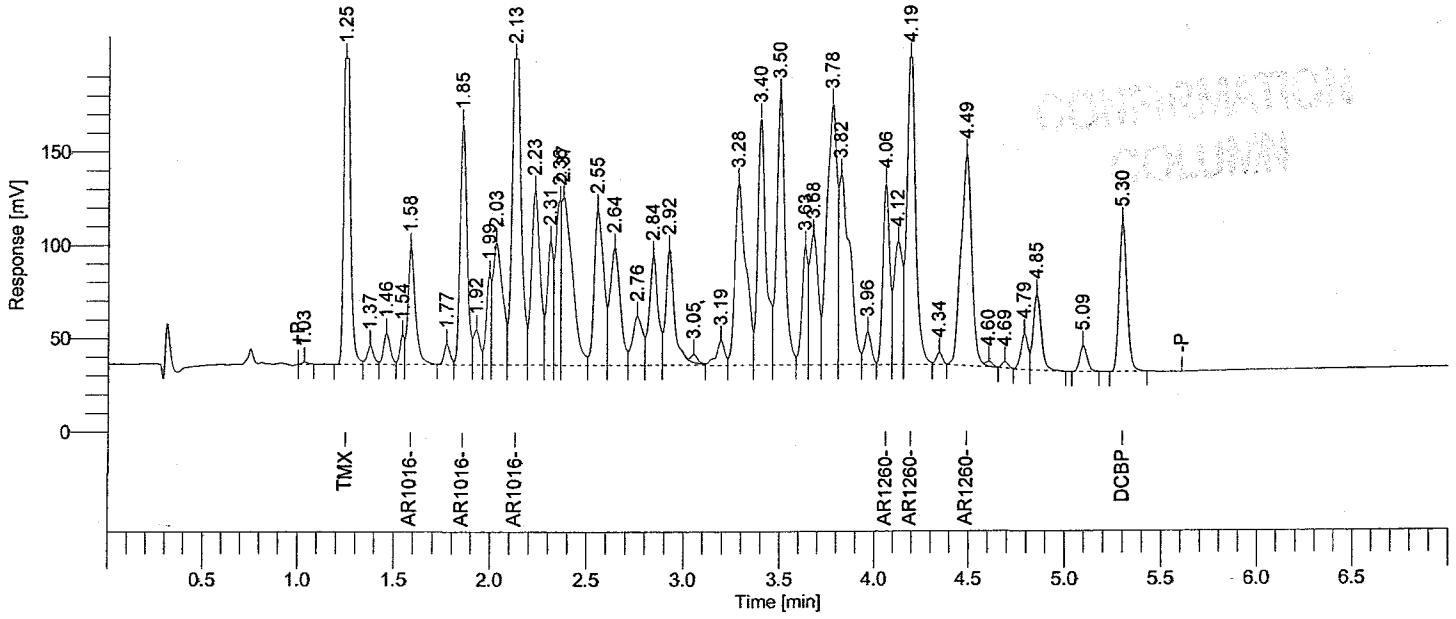
07/21/2004 13:18:48 Result: H:\TURBO6\5890-12\12b17232.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.09	VV	366820	AR1254-A	0.5505	6.6637e+05	7.3364e+05	--------
3.35	VV	286325	AR1254-B	0.5652	5.0658e+05	5.7265e+05	--------
3.52	VV	290692	AR1254-C	0.5782	5.0277e+05	5.8138e+05	--------
		943838		1.6939		1.8877e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 07/27/2004 08:17:01
Reprocess Number	: buf2042: 21990		
Operator	: tchrom	Sample Name	: ICM66HB0.5
Sample Number	:	Study	: CCV
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 07:06:31	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12a18059.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18059.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18059.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18059.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a18059.rst
Report Format File: h:\turbo6\5890-12\l%d.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.25	VV	469441	TMX	0.0297	15816325	938881	-1.1	1.18 - 1.32
2.13		1105474	AR1016	0.5066	2182009	2210947	1.3	2.06 - 2.20
4.19		1229121	AR1260	0.5306	2316512	2458242	6.1	4.12 - 4.26
5.30	BB	223309	DCBP	0.0349	6399677	446618	16.3	5.23 - 5.37
		3027345		1.1018		6054689		

7/27/04

07/27/2004 08:17:01 Result: H:\TURBO6\5890-12\12a18059.rst

Group Report For : AR1016

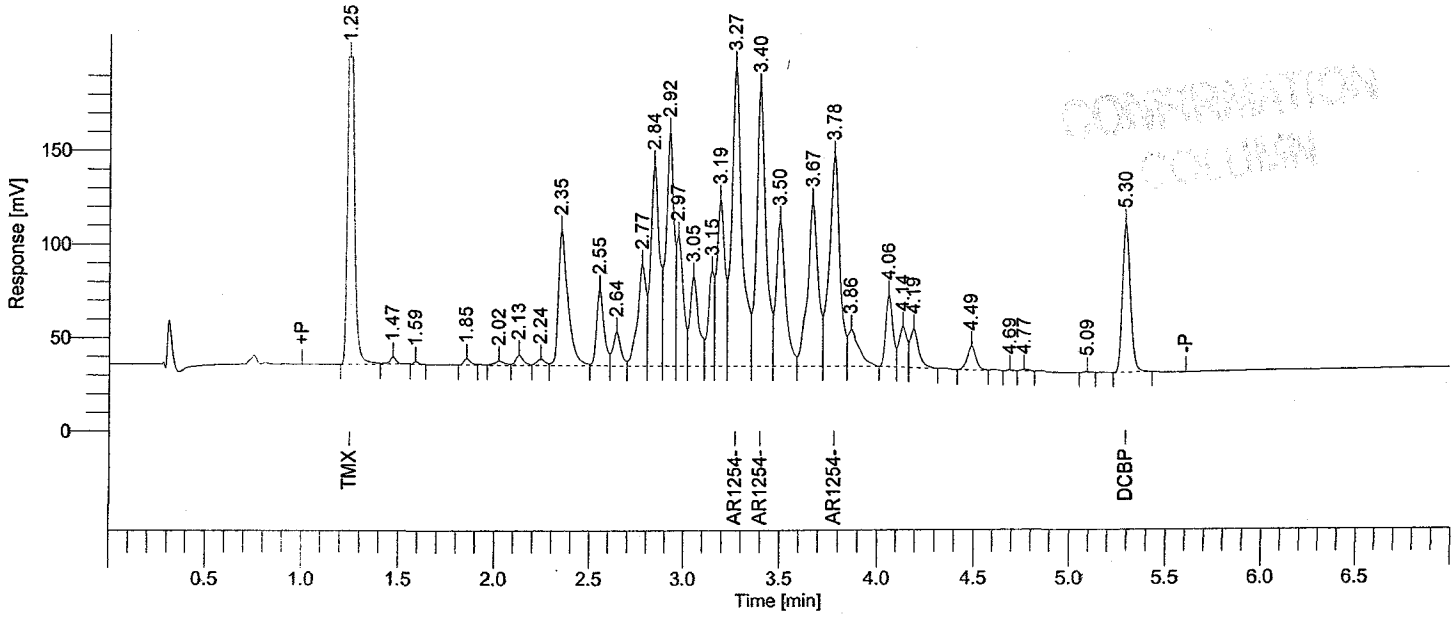
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.58	VV	166532	AR1016-A	0.4871	341906	333063	-2.6	1.51 - 1.65
1.85	VV	327534	AR1016-B	0.4993	656024	655067	-0.1	1.78 - 1.92
2.13	VV	611408	AR1016-C	0.5162	1184471	1222816	3.2	2.06 - 2.20
		1105474		1.5025		2210947		

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
4.06	VV	247771	AR1260-A	0.5206	475917	495542	4.1	3.99 - 4.13
4.19	VV	539036	AR1260-B	0.5318	1013564	1078072	6.4	4.12 - 4.26
4.49	BE	442314	AR1260-C	0.5349	826926	884628	7.0	4.42 - 4.56
		1229121		1.5873		2458242		

Software Version	: 6.2.1.0.104:0104	Date	: 07/27/2004 08:17:04
Reprocess Number	: buf2042: 21992		
Operator	: tchrom	Sample Name	: ICM54QA0.5
Sample Number	:	Study	: CCV
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 07:19:08	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12a18060.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18060.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18060.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18060.rst
Calib Method : h:\turbo6\5890-12\la54(07-16-04).mth from H:\TURBO6\5890-12\12a18060.rst
Report Format File: h:\turbo6\5890-12\l%d.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.25	BV	480119	TMX	0.0304	15799628	960237	1.3	1.18 - 1.32
3.27		1513709	AR1254	0.4783	3164957	3027418	-4.3	3.20 - 3.34
5.30	BB	223480	DCBP	0.0349	6399224	446960	16.4	5.23 - 5.37
		2217308		0.5436		4434616		

7/27/04

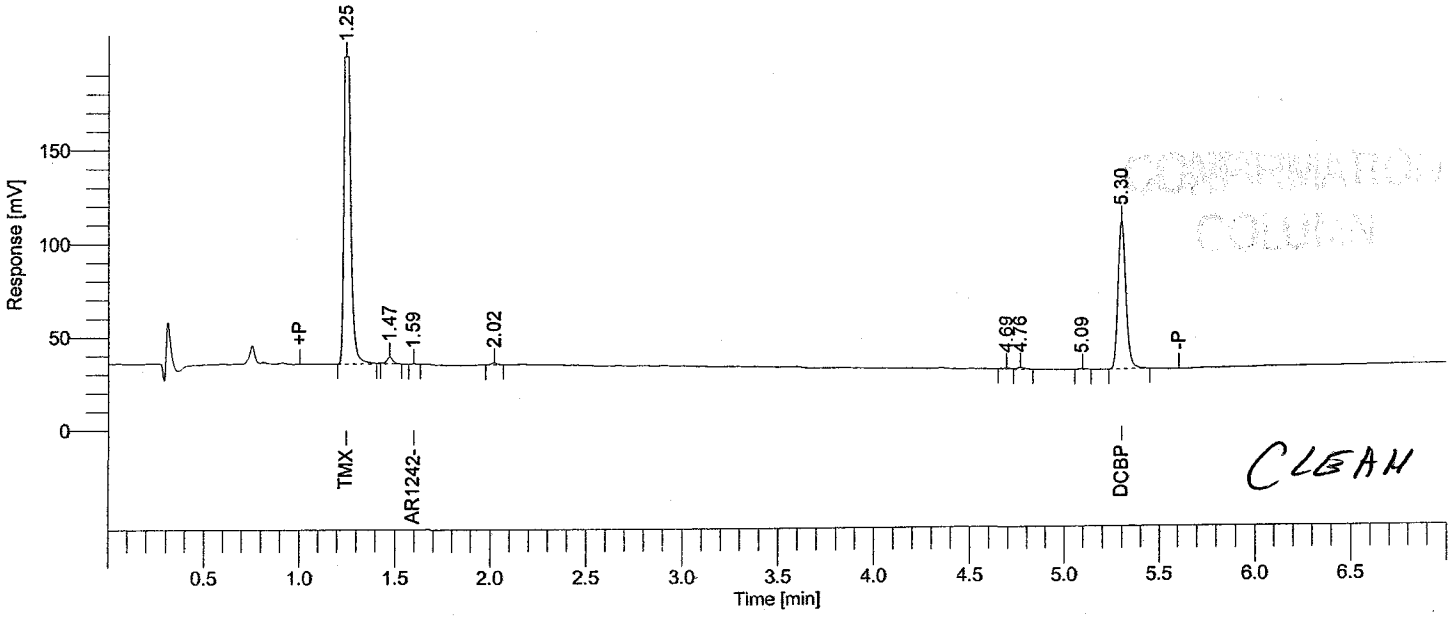
07/27/2004 08:17:04 Result: H:\TURBO6\5890-12\12a18060.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
3.27	VV	592103	AR1254-A	0.4800	1233608	1184206	-4.0	3.20 - 3.34
3.40	VV	510068	AR1254-B	0.4815	1059325	1020136	-3.7	3.33 - 3.47
3.78	VV	411538	AR1254-C	0.4719	872024	823076	-5.6	3.71 - 3.85
		1513709		1.4334		3027418		

Software Version	: 6.2.1.0.104:0104	Date	: 07/27/2004 08:17:06
Reprocess Number	: buf2042: 21994		
Operator	: tchrom	Sample Name	: ICM3FD0.03
Sample Number	:	Study	: IBLK
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 07:31:48	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12a18061.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18061.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18061.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18061.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18061.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq

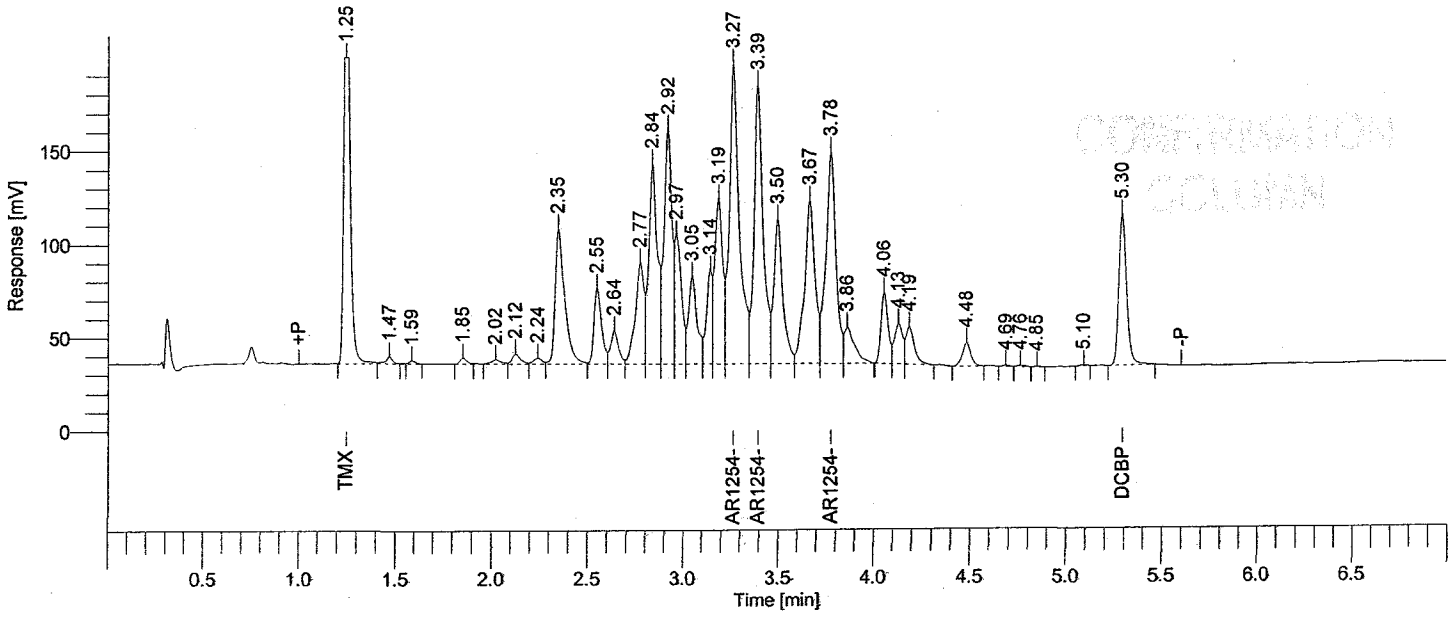


Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BV	478228	TMX	0.0303	------	0
8	5.30	BB	226826	DCBP	0.0355	------	0
			705054			0.0000	

7/27/04

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:45
Reprocess Number	: buf2042: 22128		
Operator	: tchrom	Sample Name	: ICM54QA0.5
Sample Number	:	Study	: CCV
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:45:22	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12a18072.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18072.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18072.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18072.rst
Calib Method : h:\turbo6\5890-12\la54(07-16-04).mth from H:\TURBO6\5890-12\12a18072.rst
Report Format File: h:\turbo6\5890-12\l%d.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.25	BV	483292	TMX	0.0306	15794813	966585	2.0	1.18 - 1.32
3.27		1507360	AR1254	0.4763	3164957	3014720	-4.7	3.20 - 3.34
5.30	BB	230392	DCBP	0.0361	6381542	460784	20.3	5.23 - 5.37
		2221044		0.5430		4442089		

7/28/04

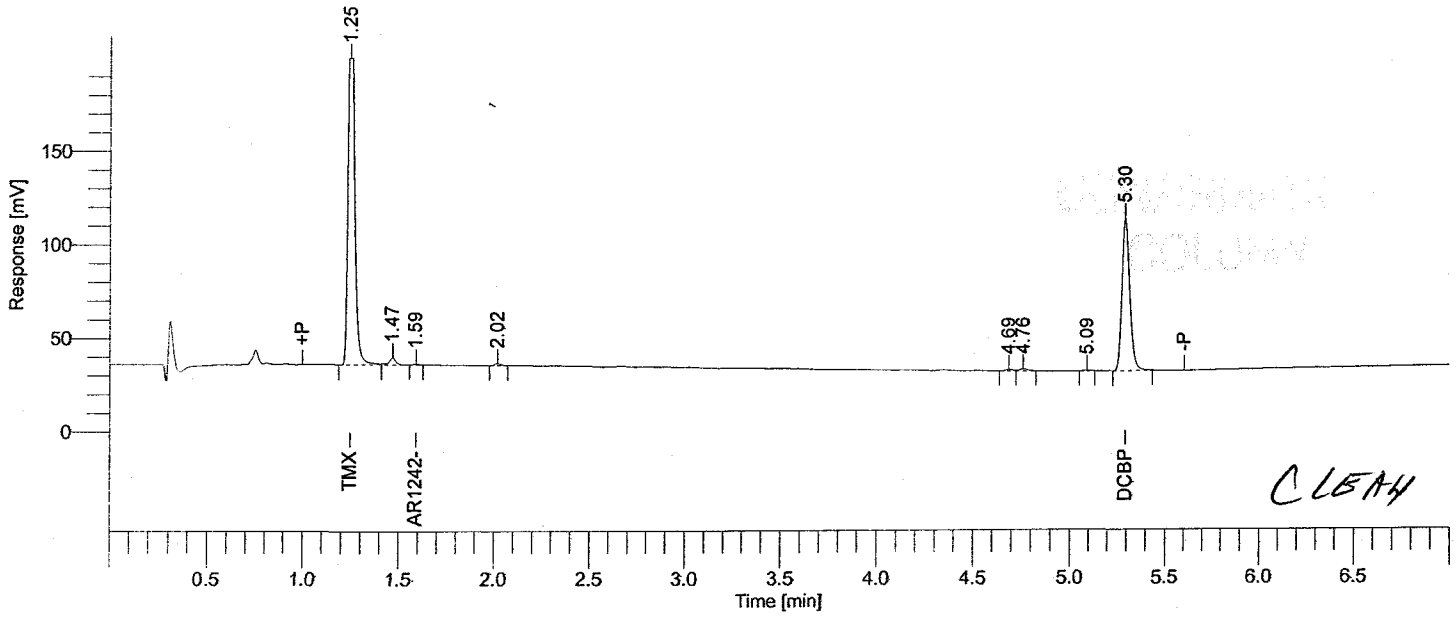
07/28/2004 07:01:45 Result: H:\TURBO6\5890-12\12a18072.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative	-	RT Win
3.27	VV	588720	AR1254-A	0.4772	1233608	1177439	-4.6	3.20	-	3.34
3.39	VV	507768	AR1254-B	0.4793	1059325	1015536	-4.1	3.32	-	3.46
3.78	VV	410872	AR1254-C	0.4712	872024	821744	-5.8	3.71	-	3.85
		1507360		1.4277		3014720				

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:47
Reprocess Number	: buf2042: 22130		
Operator	: tchrom	Sample Name	: ICM3FD0.03
Sample Number	:	Study	: IBLK
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:58:02	Cycle	: 12

Raw Data File : H:\TURBO6\5890-12\12a18073.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18073.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18073.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18073.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18073.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq

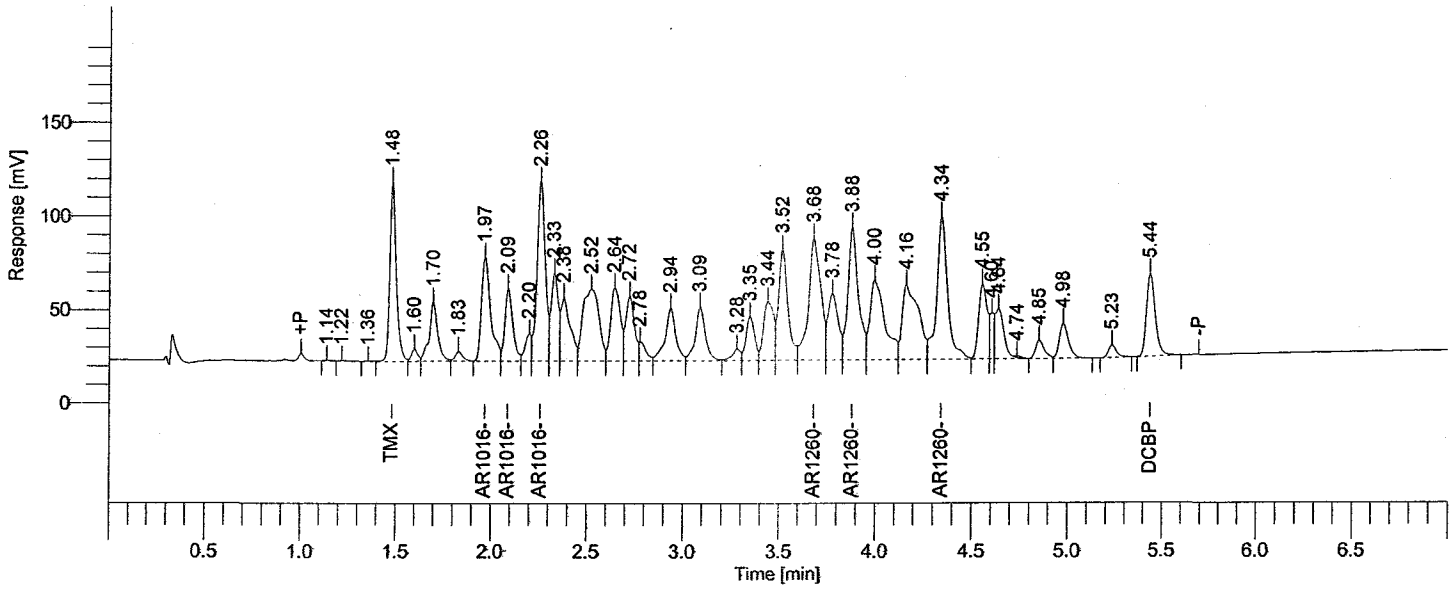


Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BV	491941	TMX	0.0312	------	0
	1.59		1009	~~AR1242~~	~~5.4e-04~~	------	0
8	5.30	BB	231967	DCBP	0.0364	------	0
			724917			0.0000	

7/28/04

Software Version	: 6.2.1.0.104:0104	Date	: 07/27/2004 08:17:02
Reprocess Number	: buf2042: 21991		
Operator	: tchrom	Sample Name	: ICM66HB0.5
Sample Number	:	Study	: CCV
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 07:06:31	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12b18059.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18059.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18059.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18059.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b18059.rst
Report Format File: h:\turbo6\5890-12\l%d.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.48	VV	223806	TMX	0.0285	7849061	447612	-5.0	1.41 - 1.55
2.26		580263	AR1016	0.4988	1163318	1160527	-0.2	2.19 - 2.33
4.34		852535	AR1260	0.5254	1622664	1705069	5.1	4.27 - 4.41
5.44	BB	142755	DCBP	0.0329	4341801	285510	9.6	5.37 - 5.51
		1799359		1.0856		3598718		

7/27/04

07/27/2004 08:17:02 Result: H:\TURBO6\5890-12\12b18059.rst

Group Report For : AR1016

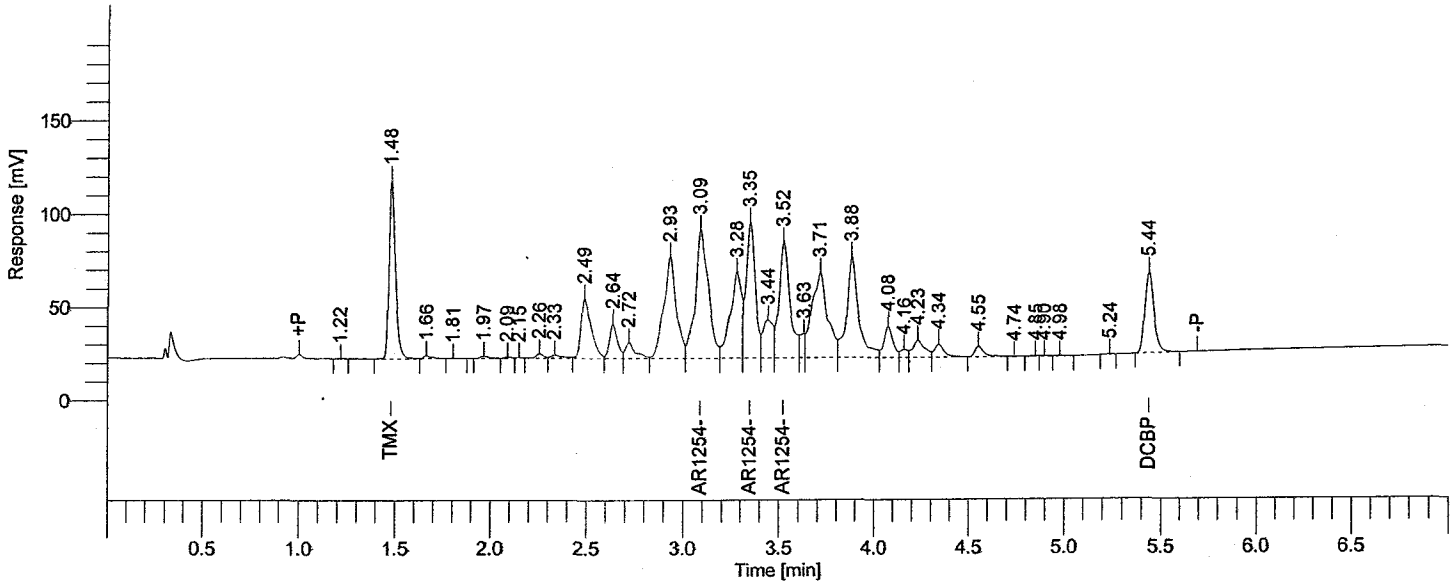
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.97	VV	187484	AR1016-A	0.5005	374593	374968	0.1	1.90 - 2.04
2.09	VV	109920	AR1016-B	0.4935	222728	219841	-1.3	2.02 - 2.16
2.26	VV	282859	AR1016-C	0.4999	565780	565718	-0.0	2.19 - 2.33
		580263		1.4940		1160527		

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
3.68	VV	286507	AR1260-A	0.5035	569036	573013	0.7	3.61 - 3.75
3.88	VV	271778	AR1260-B	0.5247	517981	543555	4.9	3.81 - 3.95
4.34	VV	294250	AR1260-C	0.5497	535335	588501	9.9	4.27 - 4.41
		852535		1.5778		1705069		

Software Version	: 6.2.1.0.104:0104	Date	: 07/27/2004 08:17:05
Reprocess Number	: buf2042: 21993		
Operator	: tchrom	Sample Name	: ICM54QA0.5
Sample Number	:	Study	: CCV
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 07:19:08	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12b18060.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18060.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18060.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18060.rst
Calib Method : h:\turbo6\5890-12\lb54(07-16-04).mth from H:\TURBO6\5890-12\12b18060.rst
Report Format File: h:\turbo6\5890-12\l%d.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.48	BV	218641	TMX	0.0279	7849061	437282	-7.1	1.41 - 1.55
3.35		809721	AR1254	0.4832	1675724	1619443	-3.4	3.28 - 3.42
5.44	BB	141819	DCBP	0.0327	4341801	283638	8.9	5.37 - 5.51
		1170182		0.5437		2340364		

7/27/04

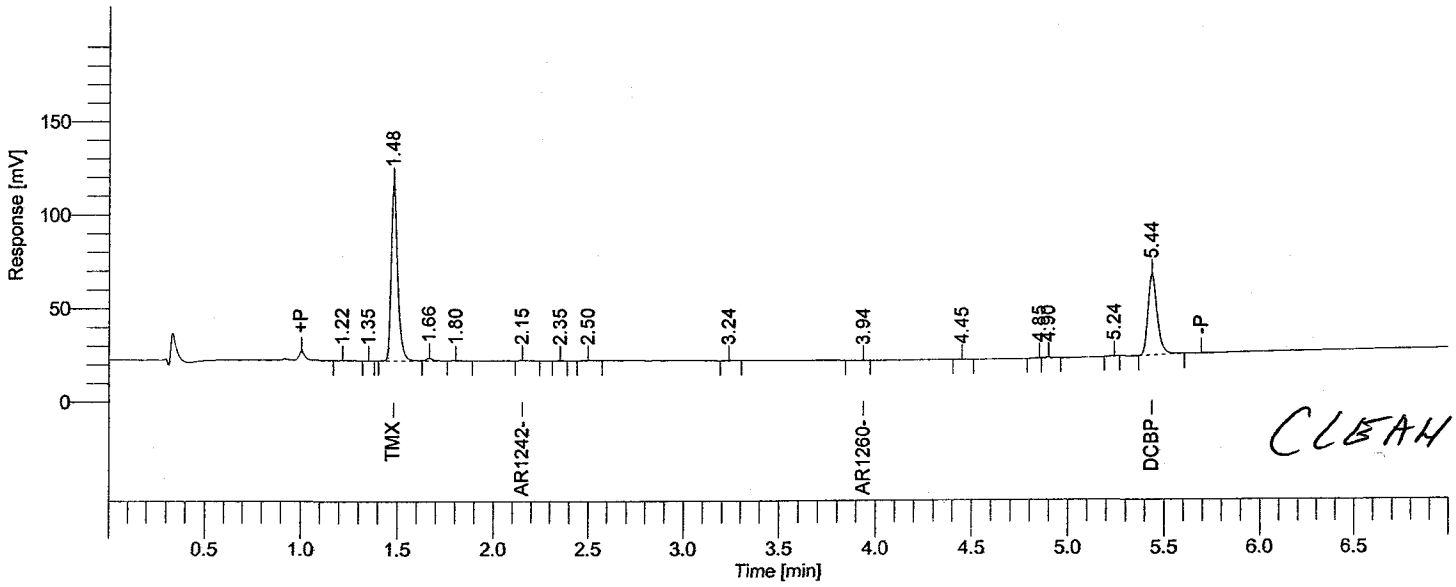
07/27/2004 08:17:05 Result: H:\TURBO6\5890-12\12b18060.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
3.09	VV	321257	AR1254-A	0.4821	666371	642514	-3.6	3.02 - 3.16
3.35	VV	244458	AR1254-B	0.4826	506581	488915	-3.5	3.28 - 3.42
3.52	VV	244007	AR1254-C	0.4853	502773	488014	-2.9	3.45 - 3.59
		809721		1.4500		1619443		

Software Version	: 6.2.1.0.104:0104	Date	: 07/27/2004 08:17:07
Reprocess Number	: buf2042: 21995		
Operator	: tchrom	Sample Name	: ICM3FD0.03
Sample Number	:	Study	: IBLK
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 07:31:48	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12b18061.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18061.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18061.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18061.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18061.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq

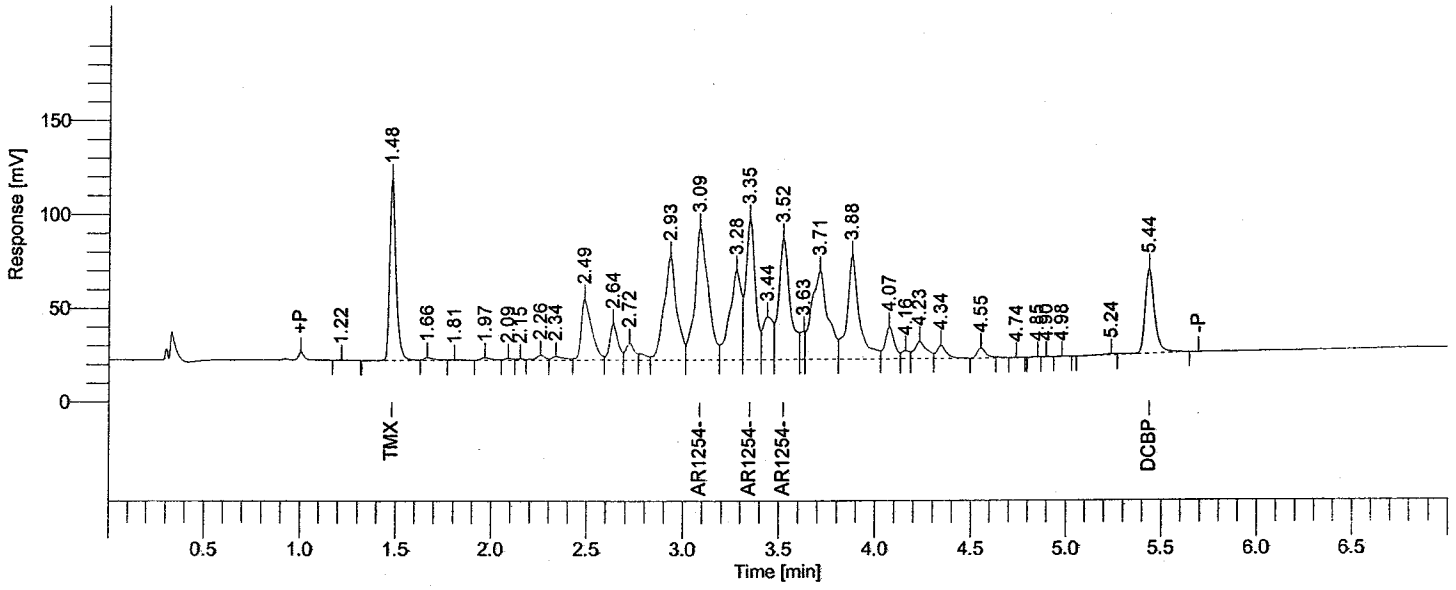


Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.48	VV	218820	TMX	0.0279	-------	0
	2.15		1157	~~AR1242~~	0.0012	-------	0
15	5.44	BB	142658	DCBP	0.0329	-------	0
			362635			0.0000	

7/27/04

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:46
Reprocess Number	: buf2042: 22129		
Operator	: tchrom	Sample Name	: ICM54QA0.5
Sample Number	:	Study	: CCV
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:45:22	Cycle	: 11

Raw Data File : H:\TURBO6\5890-12\12b18072.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18072.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18072.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18072.rst
Calib Method : h:\turbo6\5890-12\lb54(07-16-04).mth from H:\TURBO6\5890-12\12b18072.rst
Report Format File: h:\turbo6\5890-12\l%d.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
1.48	BV	222537	TMX	0.0284	7849061	445073	-5.5	1.41 - 1.55
3.35		856594	AR1254	0.5112	1675724	1713188	2.2	3.28 - 3.42
5.44	VB	153326	DCBP	0.0353	4341801	306651	17.7	5.37 - 5.51
		1232456		0.5748		2464912		

7/28/04

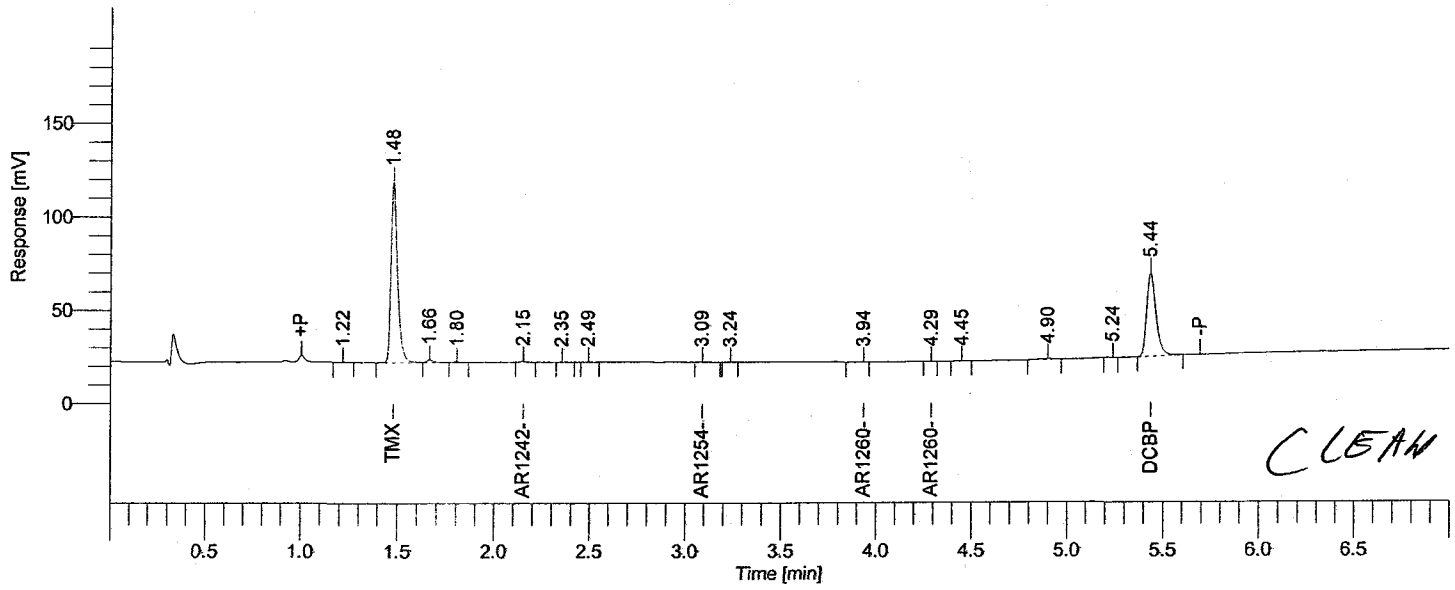
07/28/2004 07:01:46 Result: H:\TURBO6\5890-12\12b18072.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONC. NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Win
3.09	VV	336784	AR1254-A	0.5054	666371	673567	1.1	3.02 - 3.16
3.35	VV	257391	AR1254-B	0.5081	506581	514782	1.6	3.28 - 3.42
3.52	VV	262419	AR1254-C	0.5219	502773	524839	4.4	3.45 - 3.59
		856594		1.5354		1713188		

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:49
Reprocess Number	: buf2042: 22131		
Operator	: tchrom	Sample Name	: ICM3FD0.03
Sample Number	:	Study	: IBLK
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 10:58:02	Cycle	: 12

Raw Data File : H:\TURBO6\5890-12\12b18073.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18073.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18073.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18073.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18073.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.48	BV	222332	TMX	0.0283	-------	0
	2.15		1013	~~AR1242~~	0.0011	-------	0
15	5.44	BB	148592	DCBP	0.0342	-------	0
			371937			0.0000	

7/28/04

RAW QC DATA

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

Method Blank

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4B1331503

Sample wt/vol: 30.81 (g/mL) G Lab File ID: 12B18064.TX0

% Moisture: _____ decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

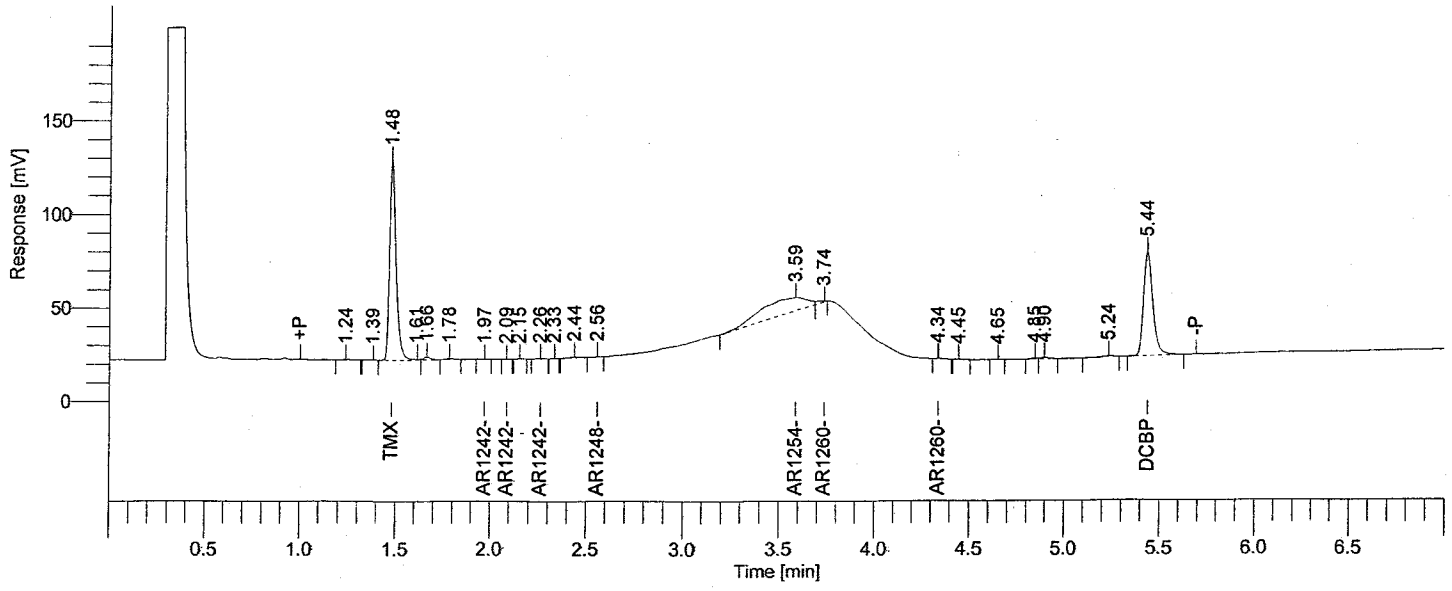
Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	78	U
11104-28-2	PCB-1221	78	U
11141-16-5	PCB-1232	78	U
53469-21-9	PCB-1242	78	U
12672-29-6	PCB-1248	78	U
11097-69-1	PCB-1254	78	U
11096-82-5	PCB-1260	78	U

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:17
Reprocess Number	: buf2042: 22113		
Operator	: tchrom	Sample Name	: AS40009663-MBLK
Sample Number	: A4B1331503	Study	: CTA24903
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 09:04:10	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12b18064.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18064.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18064.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18064.rst
Calib Method : h:\turbo6\5890-12\lb4pcb(07-16-04).mth from H:\TURBO6\5890-12\12b18064.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.48	VE	246816	TMX	0.0314	-------	0
	3.59		138928	~~AR1254~~	0.0829	-------	0
	3.74		4498	AR1260	~~-6e-03~~	-------	0
22	5.44	BB	183811	DCBP	0.0423	-------	0
			574054			0.0000	

7/28/04 GKS

07/28/2004 07:01:17 Result: H:\TURBO6\5890-12\12b18064.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.97	BB	182	AR1242-A	5.8e-04	1.9e-04	3
8	2.09	BB	82	AR1242-B	4.4e-04	1.5e-04	3
10	2.26	BB	710	AR1242-C	0.0015	5.1e-04	3
			973			8.5e-04	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
13	2.56	VB	384	AR1248-A	0.0011	3.8e-04	3
-	2.72		0	AR1248-B	0.0000	-------	-
-	2.92		0	AR1248-C	0.0000	-------	-
			384			3.8e-04	

7/28/04 GVD

Group Report For : AR1254

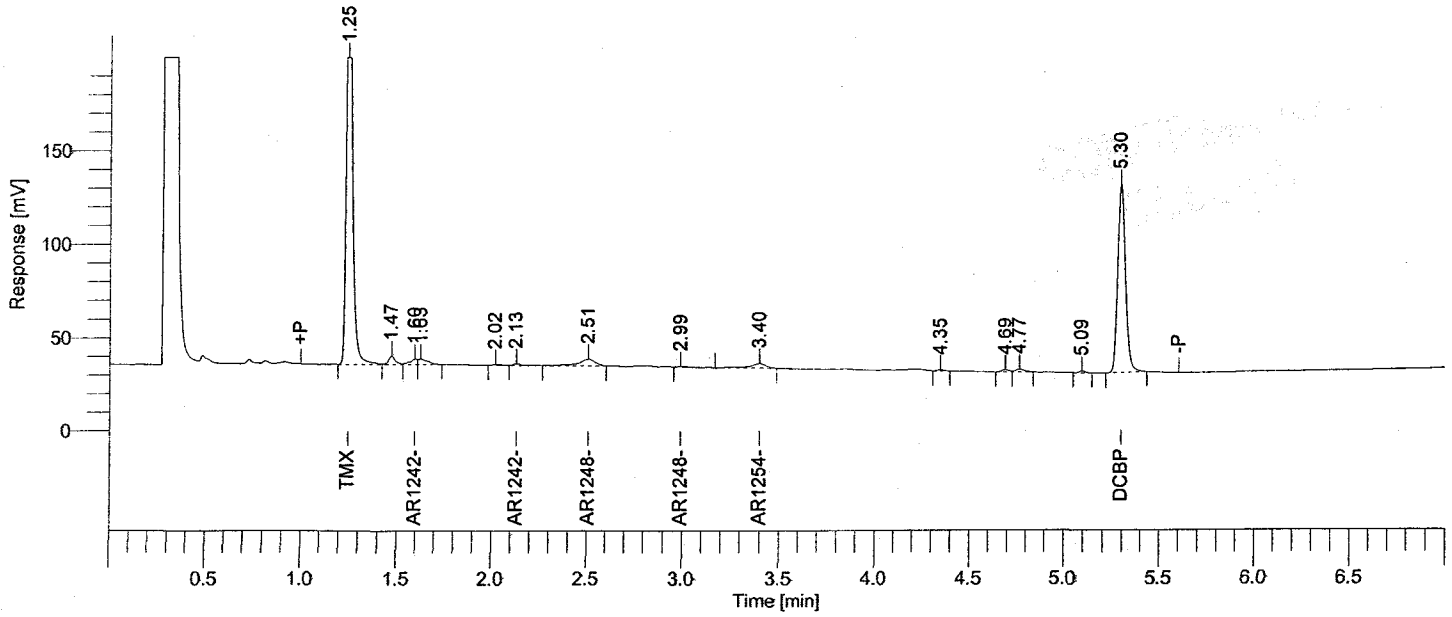
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
-	3.09		0	AR1254-A	0.0000	-------	-
-	3.35		0	AR1254-B	0.0000	-------	-
14	3.59	BV	138928	AR1254-C	0.2763	0.0921	3
			138928			0.0921	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
15	3.74	VB	3691	AR1260-A	-6e-03	-2e-03	3
-	3.88		0	AR1260-B	0.0000	-------	-
16	4.34	BB	807	AR1260-C	-6e-03	-2e-03	3
			4498			-4e-03	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:15
Reprocess Number	: buf2042: 22112		
Operator	: tchrom	Sample Name	: AS40009663-MBLK
Sample Number	: A4B1331503	Study	: CTA24903
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 09:04:10	Cycle	: 3

Raw Data File : H:\TURBO6\5890-12\12a18064.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18064.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18064.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18064.rst
Calib Method : h:\turbo6\5890-12\la4pcb(07-16-04).mth from H:\TURBO6\5890-12\12a18064.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.25	BV	531405	TMX	0.0338	-------	0
	1.60		11446	~~AR1242~~	0.0062	-------	0
	2.51		23999	~~AR1248~~	0.0129	-------	0
	3.40		14484	~~AR1254~~	0.0046	-------	0
14	5.30	BB	285520	DCBP	0.0455	-------	0
			866854			0.0000	

7/28/04

07/28/2004 07:01:15 Result: H:\TURBO6\5890-12\12a18064.rst

Group Report For: AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.60	VV	8034	AR1242-A	0.0254	0.0085	3
-	1.85		0	AR1242-B	0.0000	-------	-
6	2.13	VV	3411	AR1242-C	0.0035	0.0012	3
			11446			0.0096	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	2.51	VB	22392	AR1248-A	0.0337	0.0112	3
-	2.64		0	AR1248-B	0.0000	-------	-
8	2.99	BV	1607	AR1248-C	0.0027	9.1e-04	3
			23999			0.0121	

7/28/04 BHD

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
-	3.27		0	AR1254-A	0.0000	-------	-
9	3.40	VB	14484	AR1254-B	0.0137	0.0046	3
-	3.78		0	AR1254-C	0.0000	-------	-
			14484			0.0046	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
-	4.06		0	AR1260-A	0.0000	-------	-
-	4.19		0	AR1260-B	0.0000	-------	-
-	4.49		0	AR1260-C	0.0000	-------	-
			0			0.0000	

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blank

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4B1331501

Sample wt/vol: 30.89 (g/mL) G Lab File ID: 12B18062.TX0

% Moisture: 0.0 decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

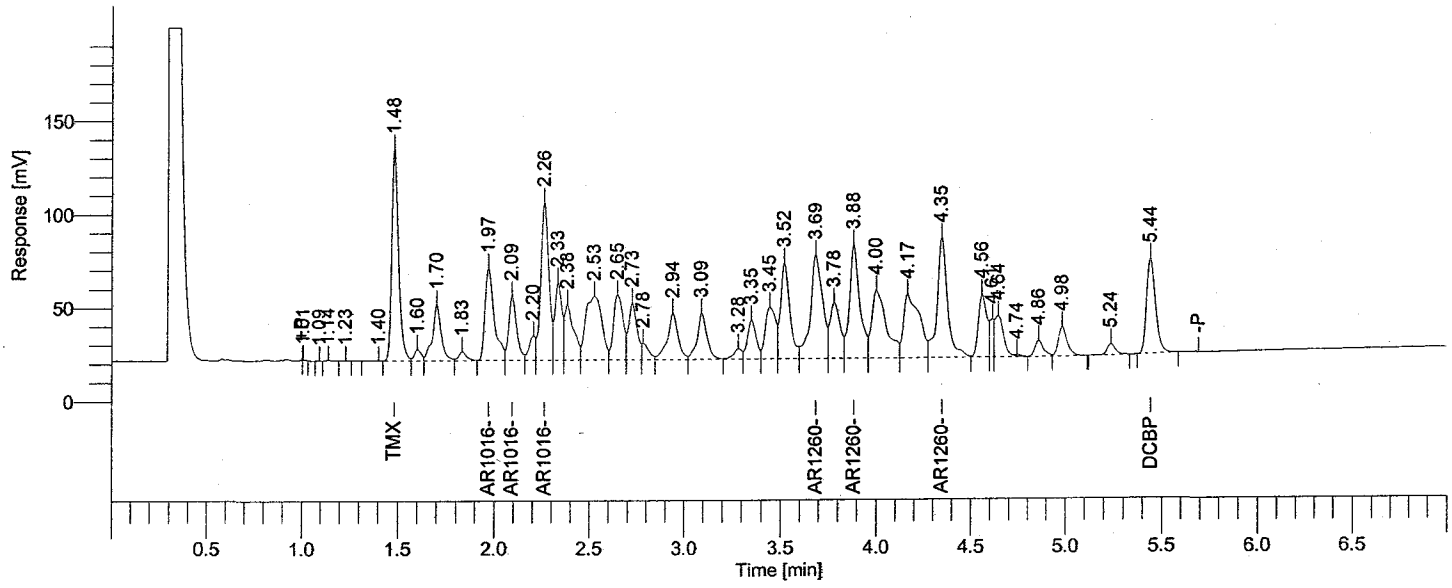
Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	140	
11104-28-2	PCB-1221	78	U
11141-16-5	PCB-1232	78	U
53469-21-9	PCB-1242	78	U
12672-29-6	PCB-1248	78	U
11097-69-1	PCB-1254	78	U
11096-82-5	PCB-1260	140	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:08
Reprocess Number	: buf2042: 22109		
Operator	: tchrom	Sample Name	: AS40009661-MSB
Sample Number	: A4B1331501	Study	: CTA24903
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 08:38:56	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12b18062.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18062.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18062.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18062.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b18062.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.48	VV	265619	TMX	0.0338	------	0
	2.26		511033	AR1016	0.4336	------	0
	4.35		715301	AR1260	0.4318	------	0
39	5.44	BB	161947	DCBP	0.0373	------	0
			1653901			0.0000	

7/28/04

07/28/2004 07:01:08 Result: H:\TURBO6\5890-12\12b18062.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	1.97	VV	166493	AR1016-A	0.4386	0.1462	3
11	2.09	VV	98314	AR1016-B	0.4363	0.1454	3
13	2.26	VV	246226	AR1016-C	0.4295	0.1432	3
			511033			0.4348	

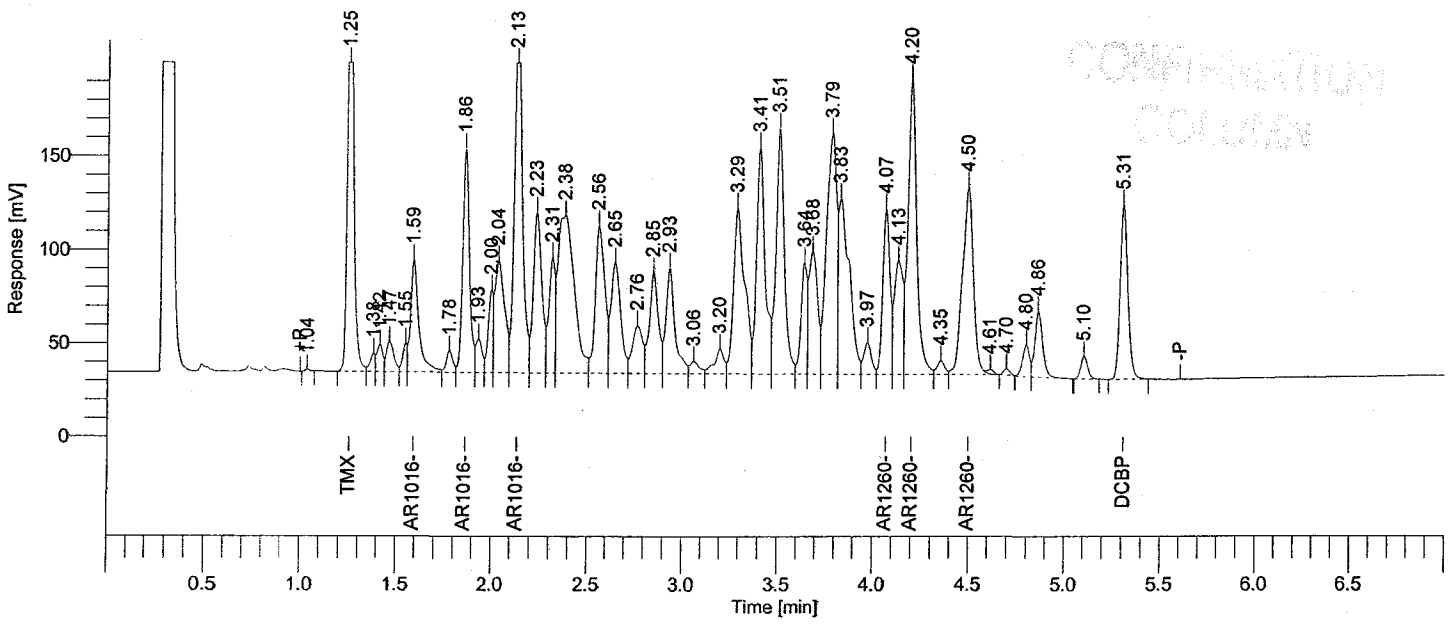
Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.69	VV	242210	AR1260-A	0.4173	0.1391	3
28	3.88	VV	228881	AR1260-B	0.4335	0.1445	3
31	4.35	VV	244210	AR1260-C	0.4457	0.1486	3
			715301			0.4322	

7/28/04

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:05
Reprocess Number	: buf2042: 22108		
Operator	: tchrom	Sample Name	: AS40009661-MSB
Sample Number	: A4B1331501	Study	: CTA24903
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 08:38:56	Cycle	: 1

Raw Data File : H:\TURBO6\5890-12\12a18062.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18062.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18062.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18062.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a18062.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	BV	555796	TMX	0.0354	-------	0
	2.13		1034826	AR1016	0.4721	-------	0
	4.20		1125096	AR1260	0.4824	-------	0
42	5.31	BB	259523	DCBP	0.0411	-------	0
			2975241			0.0000	

7/28/04

07/28/2004 07:01:05 Result: H:\TURBO6\5890-12\12a18062.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.59	VV	176148	AR1016-A	0.5172	0.1724	3
9	1.86	VV	306177	AR1016-B	0.4638	0.1546	3
13	2.13	VV	552500	AR1016-C	0.4638	0.1546	3
			1034826			0.4816	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.07	VV	230260	AR1260-A	0.4812	0.1604	3
34	4.20	VV	494550	AR1260-B	0.4847	0.1616	3
36	4.50	VE	400286	AR1260-C	0.4802	0.1601	3
			1125096			0.4820	

7/28/04

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
ANALYSIS DATA SHEET

Client No.

Matrix Spike Blk Dup

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix: (soil/water) SOIL Lab Sample ID: A4B1331502

Sample wt/vol: 30.12 (g/mL) G Lab File ID: 12B18063.TX0

% Moisture: 0.0 decanted: (Y/N) N Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SONC Date Extracted: 07/26/2004

Concentrated Extract Volume: 10000 (uL) Date Analyzed: 07/27/2004

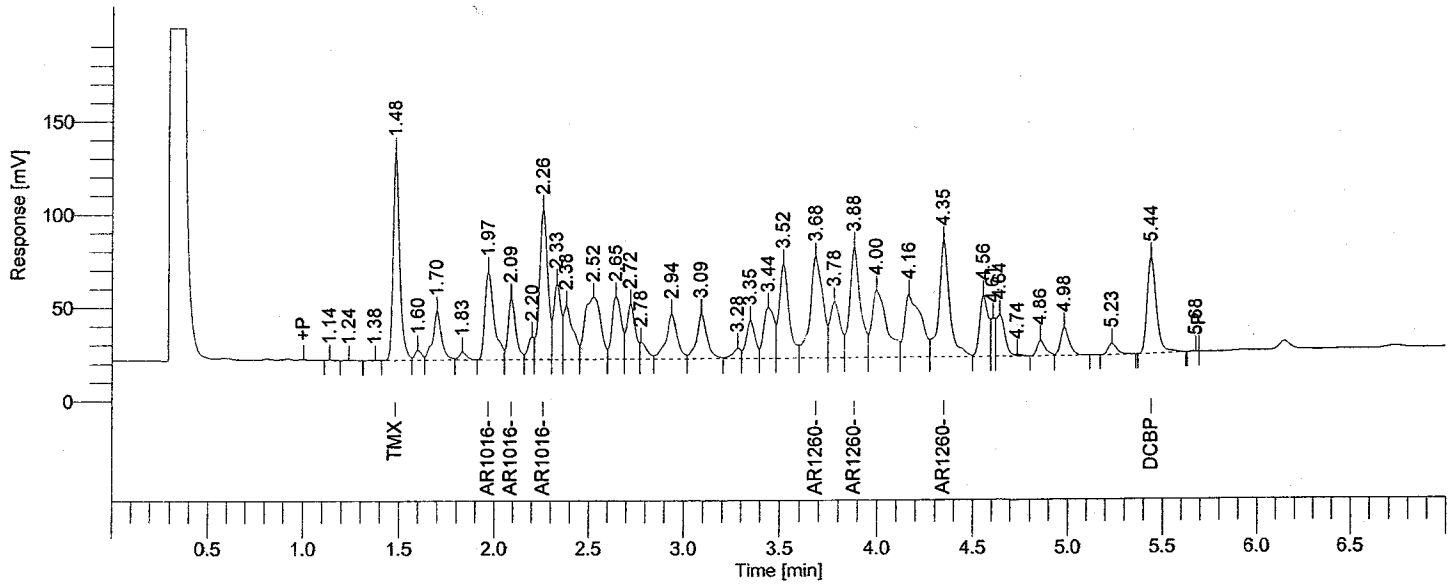
Injection Volume: 1.00 (uL) Dilution Factor: 1.00

GPC Cleanup: (Y/N) N pH: _ Sulfur Cleanup: (Y/N) N

CAS NO.	COMPOUND	CONCENTRATION UNITS: (ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	140	
11104-28-2	PCB-1221	80	U
11141-16-5	PCB-1232	80	U
53469-21-9	PCB-1242	80	U
12672-29-6	PCB-1248	80	U
11097-69-1	PCB-1254	80	U
11096-82-5	PCB-1260	140	

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:13
Reprocess Number	: buf2042: 22111		
Operator	: tchrom	Sample Name	: AS40009662-MSBD
Sample Number	: A4B1331502	Study	: CTA24903
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: B
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 08:51:34	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12b18063.raw <Modified>
Result File : H:\TURBO6\5890-12\12b18063.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12b18063.raw
Proc Method : h:\turbo6\5890-12\lbproc.mth from H:\TURBO6\5890-12\12b18063.rst
Calib Method : h:\turbo6\5890-12\lb66(07-16-04).mth from H:\TURBO6\5890-12\12b18063.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.48	VV	262877	TMX	0.0335	------	0
	2.26		491866	AR1016	0.4158	------	0
	4.35		717313	AR1260	0.4331	------	0
37	5.44	BB	169249	DCBP	0.0390	------	0
			1641305			0.0000	

7/28/04

07/28/2004 07:01:13 Result: H:\TURBO6\5890-12\12b18063.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name		NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	1.97	VV	159435	AR1016-A		0.4181	0.1394	3
9	2.09	VV	94052	AR1016-B		0.4155	0.1385	3
11	2.26	VV	238379	AR1016-C		0.4147	0.1382	3
			491866				0.4161	

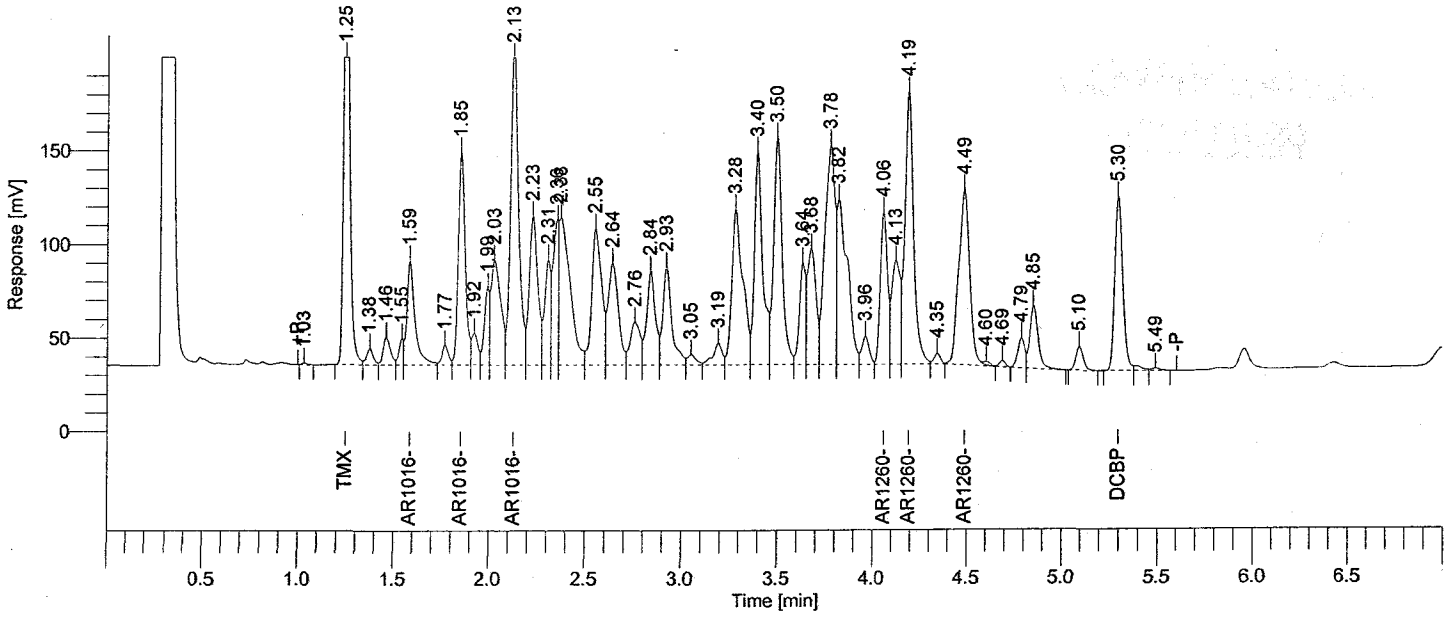
Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name		NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	3.68	VV	241272	AR1260-A		0.4155	0.1385	3
26	3.88	VV	229860	AR1260-B		0.4355	0.1452	3
29	4.35	VV	246181	AR1260-C		0.4497	0.1499	3
			717313				0.4336	

7/28/04 BKD

Software Version	: 6.2.1.0.104:0104	Date	: 07/28/2004 07:01:10
Reprocess Number	: buf2042: 22110		
Operator	: tchrom	Sample Name	: AS40009662-MSBD
Sample Number	: A4B1331502	Study	: CTA24903
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-12	Channel	: A
Interface Serial #	: 3090270362	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 5.0000 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 1000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 07/27/2004 08:51:34	Cycle	: 2

Raw Data File : H:\TURBO6\5890-12\12a18063.raw <Modified>
Result File : H:\TURBO6\5890-12\12a18063.rst
Inst Method : H:\TURBO6\5890-12\12DINS from H:\TURBO6\5890-12\12a18063.raw
Proc Method : h:\turbo6\5890-12\laproc.mth from H:\TURBO6\5890-12\12a18063.rst
Calib Method : h:\turbo6\5890-12\la66(07-16-04).mth from H:\TURBO6\5890-12\12a18063.rst
Report Format File: H:\TURBO6\5890-12\LSAMP.rpt
Sequence File : H:\TURBO6\5890-12\12D18.seq



Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.25	BV	552653	TMX	0.0352	-------	0
	2.13		971902	AR1016	0.4415	-------	0
	4.19		1039213	AR1260	0.4428	-------	0
42	5.30	BV	261472	DCBP	0.0414	-------	0
			2825241			0.0000	

7/28/04
GD

07/28/2004 07:01:10 Result: H:\TURBO6\5890-12\12a18063.rst

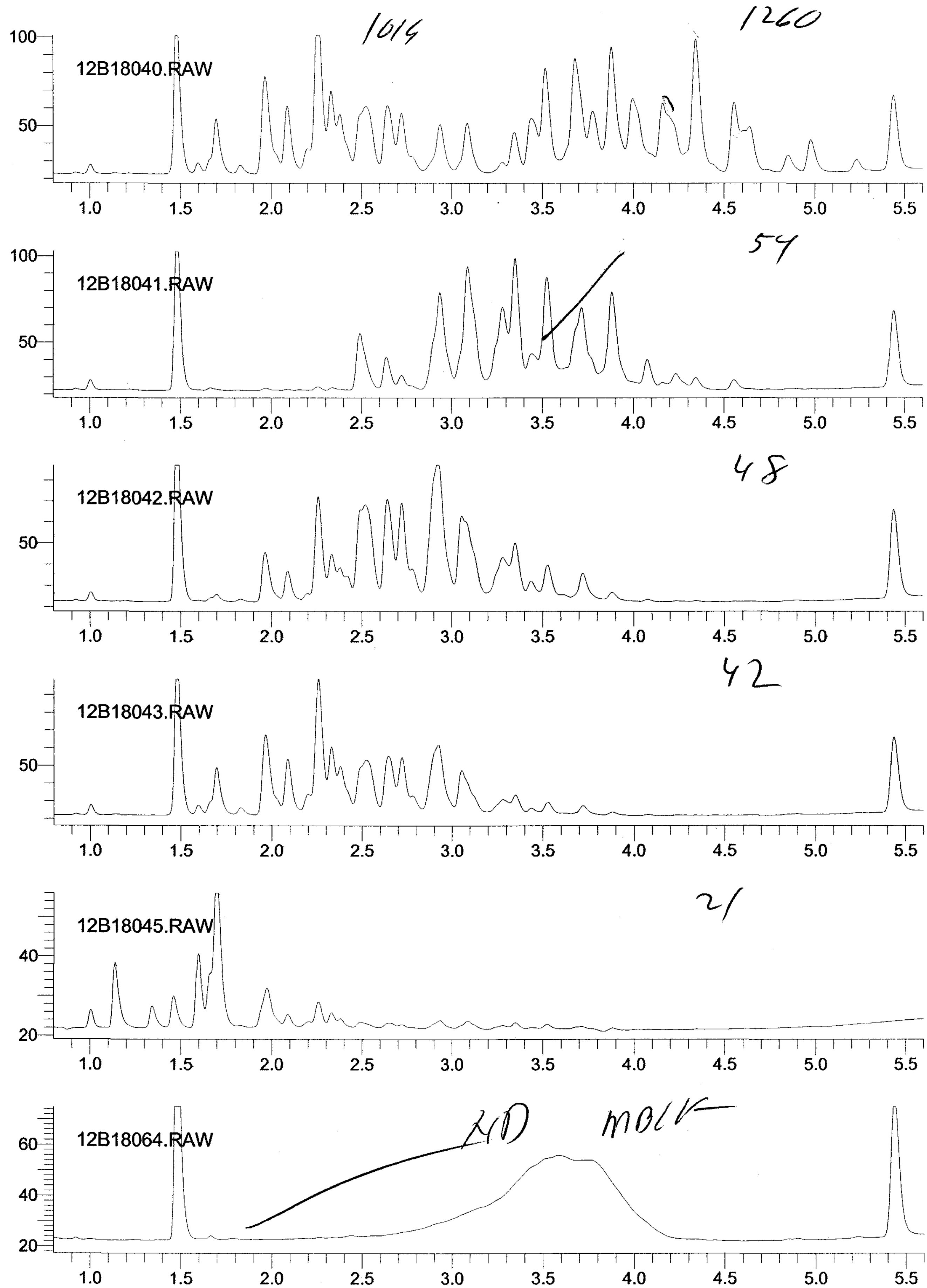
Group Report For : AR1016

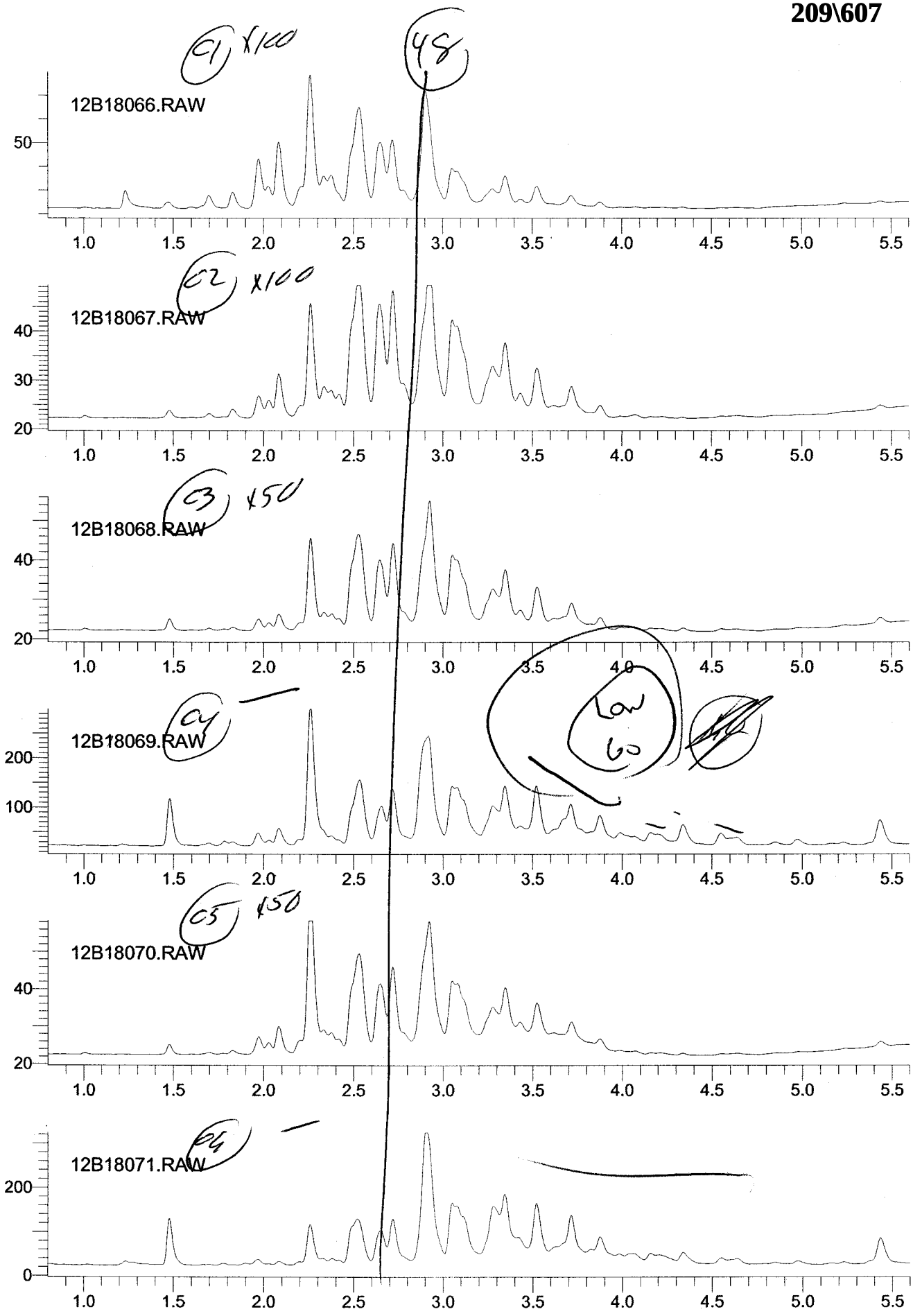
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.59	VV	164966	AR1016-A	0.4822	0.1607	3
8	1.85	VV	290241	AR1016-B	0.4375	0.1458	3
12	2.13	VV	516695	AR1016-C	0.4321	0.1440	3
			971902			0.4506	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.06	VV	209539	AR1260-A	0.4348	0.1449	3
34	4.19	VV	458072	AR1260-B	0.4464	0.1488	3
36	4.49	BE	371603	AR1260-C	0.4431	0.1477	3
			1039213			0.4414	

7/28/04 BMD


1016
1260
12B18040.RAW
54
12B18041.RAW
48
12B18042.RAW
42
12B18043.RAW
21
12B18045.RAW
ND
12B18064.RAW
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5


C1 X100
48
12B18066.RAW
C2 X100
12B18067.RAW
C3 X50
12B18068.RAW
C4
12B18069.RAW
low
60
C5 X50
12B18070.RAW
C6
12B18071.RAW
1.0
1.5
2.0
2.5
3.0
3.5
4.0
4.5
5.0
5.5

STL Buffalo
Date: 08/10/2004
Time: 10:53:25

Organic Prep Log Book
(3550B) ASP00 8082 PCB SOILS
A4B13315 (Closed)

Rept: AN0501

Surrogate Amount: 1000.00 ul

Matrix Spike Amount: 0.00 ul

Date Ext/Initials: 07/26/2004 CM

Preconc Date/Initials: _____ _____

Cleanup Date/Initials: _____ _____

SOLID EXTRACTIONS

Final Conc Date/Initials: 07/26/2004 CM

Job Number	Sample ID	BT ID	Samp Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Sample Weight (g)	Clean Up	Final Volume (ml)	Dish Wght	Comb Wet	Comb Dry	D*
A04-6785	A4678502	A	FS	AS40009654	ASP00	ASP00	8082	A00093		30.9000		10.00	1.22	5.41	4.18	N
A04-6905	A4690501	A	FS	AS40009655	ASP00	ASP00	8082	A00093		30.1900		10.00	1.24	8.88	6.06	N
A04-6905	A4690502	A	FS	AS40009656	ASP00	ASP00	8082	A00093		30.3200		10.00	1.19	5.80	4.63	N
A04-6905	A4690503	A	FS	AS40009657	ASP00	ASP00	8082	A00093		30.1600		10.00	1.25	6.76	5.45	N
A04-6905	A4690504	A	FS	AS40009658	ASP00	ASP00	8082	A00093		30.4200		10.00	0.12	5.41	5.22	N
A04-6905	A4690505	A	FS	AS40009659	ASP00	ASP00	8082	A00093		30.1700		10.00	1.24	5.93	4.10	N
A04-6905	A4690506	A	FS	AS40009660	ASP00	ASP00	8082	A00093		30.9300		10.00	1.25	9.16	6.04	N
A4B13315	A4B1331501	Z	MSB	AS40009661	ASP00	ASP00	8082	A00093	A00222	30.8900		10.00	0.00	0.00	0.00	N
A4B13315	A4B1331502	Z	MSBD	AS40009662	ASP00	ASP00	8082	A00093	A00222	30.1200		10.00	0.00	0.00	0.00	N
A4B13315	A4B1331503	Z	MBLK	AS40009663	ASP00	ASP00	8082	A00093		30.8100		10.00	0.00	0.00	0.00	N

Comments:

210\607

D* = Decanted(Y/N)

GC INJECTION LOGBOOK

INSTRUMENT ID HP5890-12 COLUMN ID'S A ZB-35 B ZB-5 SEQUENCE D718

SYRINGE LOT# SOLVENT LOT#

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
4/22/04	CCV	ICM54QA	0.5	PRIMER	4/23/04	157				
	CCV	ICM48QA	0.5							
	CCV	ICM42QA	0.5							
	CCV	ICM32AA	0.5			160				
	CCV	ICM21MA	0.5							
	IBLK	ICM36AW	0.03							
4/22/04	—	PRIMER				163 — 190				
7/15/04 OB	—	PRIMER				191 — 215				
	CCV	ICM66HB	0.5			216				
	CCV	ICM54QA	0.5							
	IBLK	ICM36AW	0.03			219				
RW 7-16-04		ICM66HB	2.0			219				
		66HE	1.0			220				
		66HB	0.5							ON 7/16/04
		66HFC	0.25							
		66HF	.1							
		66HG	.05							
		66HC	0.025			225				
		ICM54QA	0.5							
		48QA								
		42PB								
		32CA								
		21QA				230				
		ACM66AB	0.6							
		54QA	0.6							
		48QA	0.6							
		42PB	0.6							
		32CA	0.6			235				
		21MA	0.6							
7/16/04	—	PRIMER				61				NEW SEQUENCE 18
	—									
	—									
	CCV	ICM66HB	0.5							A OK B OK
	CCV	ICM54QA	0.5			65				A OK B OK, DCBPA 107 7/23/04
	CCV	ICM48QA	0.5							A OK B OK
	CCV	ICM42PB	0.5							A OK B OK
	CCV	ICM32CA	0.5							A OK B OK
	CCV	ICM21QA	0.5			69				A OK B OK

SEVERN TRENT LABORATORIES

REVIEWED BY

211607

GC INJECTION LOGBOOK INSTRUMENT ID HP5890-12 COLUMN ID'S A ZB-35 B ZB-5 SEQUENCE 18

SYRINGE LOT# SOLVENT LOT#

DATE & INIT.	JOB #	A VIAL ID	A DF	B VIAL ID	B DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
7/26/04 GFD	CCV	ICM48OA	6.5			42				A OK B OK
	CCV	ICM42PB	6.5							A OK B OK
	CCV	ICM32CA	6.5							A OK B OK
	CCV	ICM21OA	6.5			45				A OK B OK
	IBLK	ICM3FD	0.03							A CLEAN B CLEAN
	QC	AW40017600	MSB							
		17601	MBLK							
	6530	17595								
		17596	MS			50				
		17597	SD							
		17598								
		17599								
	CCV	ICM66HB	6.5							A OK, DCBPA 18.8 B OK
7/27/04 GFD	IBLK	ICM3FD	0.03			55				A CLEAN B CLEAN
	–	PRIMER								
	–									
	–									
	CCV	ICM66HB	6.5							A OK, DCBPA 16.3 B OK
	CCV	ICM54QA	6.5			60				A OK, DCBPA 16.4 B OK
	IBLK	ICM3FD	0.03					TYCB510		A CLEAN B CLEAN
DW 7-27-04	QC	ASU-9661-MDB								
		9662 MSBD								
		9663-MBLK								
	6785 CAOS	9654X100				65				
		9655X100								
		9656X100								
		9657X50								
		9658								
		9659X50				70				
		9660								
	CCV	ICM54QA	0.5							A OK, DCBPA 20.3 B OK, DCBPA 17.7
7/28/04	IBLK	ICM3FD	0.03							A CLEAN B CLEAN
	–	PRIMER								
	–					75				
	–									
	CCV	ICM66HB	6.5							A OK B OK
	CCV	ICM54QA	6.5							A OK, DCBPA 15.6 B OK
	IBLK	ICM3FD	0.03			79				A CLEAN B CLEAN

SEVERN TRENT LABORATORIES REVIEWED BY

METALS DATA

STL BUFFALO

NYS DEC
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: NY00-096 SDG No.: 0721

Lab Code: STLBFLO Case No.: SH904 SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
D08801	A4690501
D08801MD	A4690501MD
D08801MS	A4690501MS
D08801SD	A4690501SD
D08802	A4690502
D08803	A4690503
D08804	A4690504
D08805	A4690505
D08806	A4690506

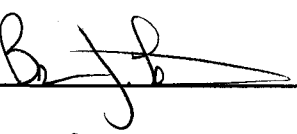
Were ICP interelement corrections applied? Yes/No YES

Were ICP background corrections applied? Yes/No YES

If yes-were raw data generated before application of background corrections? Yes/No NO

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature:  Name: Brian Fischer

Date: 8-20-04 Title: Project Manager

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08801

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439355

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 63

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	762		*	P
7440-02-0	Nickel	549			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08802

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439359

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 75

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	299		*	P
7440-02-0	Nickel	295			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08803

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439360

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 76

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	180		*	P
7440-02-0	Nickel	179			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08804

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439361

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 96

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	31.5		*	P
7440-02-0	Nickel	35.0			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08805

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439362

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 61

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	287		*	P
7440-02-0	Nickel	317			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC

-1-

INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D08806

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Matrix (soil/water): SOIL Lab Sample ID: AD439363

Level (low/med): LOW Date Received: 7/22/2004

% Solids: 61

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

CAS No.	Analyte	Concentration	C	Q	M
7440-47-3	Chromium	282		*	P
7440-02-0	Nickel	263			P

Color Before: GRAY Clarity Before: N/A Texture: SILT

Color After: GRAY Clarity After: CLDY/FI Artifacts:

Comments:

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium	375.0	375.24	100.1	500.0	501.31	100.3	491.73	98.3	P
Nickel	375.0	382.50	102.0	500.0	509.35	101.9	499.72	99.9	P

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

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				500.0	483.09	96.6	490.60	98.1	P
Nickel				500.0	495.93	99.2	506.74	101.3	P

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

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				500.0	481.38	96.3	493.30	98.7	P
Nickel				500.0	496.17	99.2	503.12	100.6	P

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

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				500.0	473.26	94.7	474.66	94.9	P
Nickel				500.0	489.82	98.0	501.53	100.3	P

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

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	M
Chromium				500.0	459.55	91.9			P
Nickel				500.0	481.87	96.4			P

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

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					M
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Nickel	375.0	376.06	100.3	500.0	499.55	99.9	506.84	101.4	P

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

STL BUFFALO

NYS DEC
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

AA CRDL Standard Source:

ICP CRDL Standard Source: VHG

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Chromium				20.0	20.63	103.2	19.84	99.2
Nickel				80.0	83.40	104.2	80.53	100.7

Comments:

STL BUFFALO

NYS DEC
-2B-
CRDL STANDARD FOR AA AND ICP

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

AA CRDL Standard Source:

ICP CRDL Standard Source: VHG

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Nickel				10.0	8.72	87.2	9.47	94.7

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium	1.2	U	1.2	U	1.2	U	1.2	U	0.119	U	P
Nickel	1.4	U	1.4	U	1.4	U	1.4	U			P

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			1.2	U	1.2	U	1.2	U			P
Nickel			1.4	U	1.4	U	1.4	U			P

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Chromium			1.2	U	1.2	U	1.2	U			P
Nickel			1.4	U	1.4	U	1.4	U			P

Comments:

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Preparation Blank Matrix (soil/water): SOIL

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C	Preparation Blank	C	M
Nickel	1.0	U	1.0	U	1.0	U			-0.104	B	P

Comments:

STL BUFFALO

NYS DEC

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 ICS Source: VHG

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Chromium		500	-1	451.9	90.4	-1	440.8	88.2
Nickel		1000	2	884.7	88.5	2	875.9	87.6

STL BUFFALO

NYS DEC

-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 ICS Source: VHG

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Nickel		1000	1	933.9	93.4	1	941.1	94.1

STL BUFFALO

NYS DEC

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

D08801MS

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		577.2126		762.2983		30.84	-600.1		P
Nickel		574.4557		548.5195		77.09	33.6		P

Comments:

STL BUFFALO

NYS DEC

-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

D08801SD

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1

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

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Chromium		634.6817		762.2983		31.83	-400.9		P
Nickel		655.4033		548.5195		79.57	134.3		P

Comments:

STL BUFFALO

NYS DEC
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

D08801A

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

Concentration Units: ug/L

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added(SA)	%R	Q	M
Chromium	75 - 125	4948.53		4809.34		200.0	69.6	*	P
Nickel	75 - 125	3580.20		3460.61		200.0	59.8	*	P

Comments:

STL BUFFALO

NYS DEC
-6-
DUPLICATES

SAMPLE NO.

D08801MD

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1 % Solids for Duplicate: 63.1

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		762.2983		494.4799		42.6	*	P
Nickel		548.5195		494.6037		10.3		P

STL BUFFALO

NYS DEC
-6-
DUPLICATES

SAMPLE NO.

D08801SD

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

% Solids for Sample: 63.1 % Solids for Duplicate: 63.1

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Chromium		577.2126		634.6817		9.5		P
Nickel		574.4557		655.4033		13.2		P

STL BUFFALO

NYS DEC

-7-

LABORATORY CONTROL SAMPLE

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Solid LCS Source:

Aqueous LCS Source:

Analyte	Aqueous (ug/L) True	Found	%R	Solid (mg/kg) True	Found	C	Limits		%R
Chromium				167.0	146.00		131	203	87.4
Nickel				127.0	119.00		104	150	93.7

Comments:

NYS DEC

-9-

ICP SERIAL DILUTIONS

SAMPLE NO.

D08801L

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

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

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Chromium	4809.34		5024.05		4.5		P
Nickel	3460.61		3629.75		4.9		P

Comments:

STL BUFFALO

NYS DEC

-10-

INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 Date: 6/10/2004

Flame AA ID Number:

Furnace AA ID Number:

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Chromium	267.716		10	1.19	P
Nickel	231.604		40	1.42	P

Comments:

STL BUFFALO

NYS DEC

-11A-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 Date: 3/9/2004

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	B	Be
Aluminum	308.215	0.0000000	0.0000230	0.0000110	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000390	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000020	0.0000000	0.0000470	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	-0.0002400	0.0000000	0.0000000
Chromium	267.716	0.0000300	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.753	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0003540	0.0000000	0.0000300	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000020	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000000	0.0000000	-0.0000400	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	-0.0003300	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	337.28	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000230	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	-0.0000600	0.0000000	0.0000000

Comments:

STL BUFFALO

NYS DEC

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 Date: 3/9/2004

Analyte	Wave-length (nm)	Interelement Correction Factors for: Cd	Co	Cr	Cu	Mn
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0053700	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000870	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	-0.0002500
Cobalt	228.616	0.0000000	0.0000000	-0.0005100	0.0000000	0.0000000
Copper	324.753	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	-0.0013200	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000000	0.0002330	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	-0.0001300	0.0000000	0.0000000	0.0003410
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	337.28	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0012780	0.0000000	0.0000000

Comments:

STL BUFFALO

NYS DEC

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 Date: 3/9/2004

Analyte	Wave-length (nm)	Interelement Correction Factors for: Na	Ni	Pb	Sb	Se
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.409	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.042	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.678	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.502	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.716	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.616	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.753	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.00	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.030	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.604	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.491	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.021	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.068	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.232	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.864	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.989	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	337.28	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.402	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

STL BUFFALO

NYS DEC

-11B-

ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 Date: 3/9/2004

Analyte	Wave-length (nm)	Interelement Correction Factors for: Tl	V	Zn		
Aluminum	308.215	0.0000000	0.0213670	0.0000000		
Antimony	206.838	0.0000000	0.0000000	0.0000000		
Arsenic	189.042	0.0000000	0.0000000	0.0000000		
Barium	493.409	0.0000000	0.0000000	0.0000000		
Beryllium	313.042	0.0000000	0.0001610	0.0000000		
Boron	249.678	0.0000000	0.0000000	0.0000000		
Cadmium	226.502	0.0000000	0.0000000	0.0000000		
Calcium	317.90	0.0000000	0.0000000	0.0000000		
Chromium	267.716	0.0000000	-0.0000300	0.0000000		
Cobalt	228.616	0.0000000	0.0000000	0.0000000		
Copper	324.753	0.0000000	0.0000000	0.0000000		
Iron	271.441	0.0000000	0.0175420	0.0000000		
Lead	220.352	0.0000000	0.0000000	0.0000000		
Magnesium	279.00	0.0000000	0.0000000	0.0000000		
Manganese	257.610	0.0000000	0.0000000	0.0000000		
Molybdenum	202.030	0.0000000	0.0000000	0.0000000		
Nickel	231.604	0.0000000	0.0000000	0.0000000		
Potassium	766.491	0.0000000	0.0000000	0.0000000		
Selenium	196.021	0.0000000	0.0000000	0.0000000		
Silver	328.068	0.0000000	0.0000000	0.0000000		
Sodium	330.232	0.0000000	0.0000000	0.0000000		
Thallium	190.864	0.0000000	-0.0000900	0.0000000		
Tin	189.989	0.0000000	0.0000000	0.0000000		
Titanium	337.28	0.0000000	0.0000000	0.0000000		
Vanadium	292.402	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

STL BUFFALO

NYS DEC
-12-
ICP LINEAR RANGES (QUARTERLY)

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

ICP ID Number: SUPERTRACE2 Date: 4/15/2004

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Chromium	15.00	40000	P
Nickel	15.00	25000	P

Comments:

STL BUFFALO

NYS DEC

-13-

PREPARATION LOG

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG NO.: 0721

Method: P Prep Method:

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
D08801	8/2/2004	0.50	50.0
D08801MD	8/2/2004	0.51	50.0
D08801MS	8/2/2004	0.51	50.0
D08801SD	8/2/2004	0.50	50.0
D08802	8/2/2004	0.48	50.0
D08803	8/2/2004	0.49	50.0
D08804	8/2/2004	0.52	50.0
D08805	8/2/2004	0.49	50.0
D08806	8/2/2004	0.50	50.0
LCS	8/2/2004	0.50	50.0
Method Blank	8/2/2004	0.50	50.0

Comments:

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

Instrument ID Number: SUPERTRACE2 Method: P

Start Date: 8/2/2004 End Date: 8/3/2004

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
STD BLK	1.00	17:55									X								X								
STD 1	1.00	17:59									X								X								
STD 2	1.00	18:03									X								X								
STD 3	1.00	18:08									X								X								
STD 3 VER	1.00	18:12									X								X								
ICV	1.00	18:17									X								X								
ICB	1.00	18:21									X								X								
CRI	1.00	18:25									X								X								
ICSA	1.00	18:30									X								X								
ICSAB	1.00	18:34									X								X								
CCV	1.00	18:40									X								X								
CCB	1.00	18:44									X								X								
ZZZZZZ	1.00	18:49																										
ZZZZZZ	1.00	18:53																										
ZZZZZZ	1.00	18:57																										
ZZZZZZ	5.00	19:02																										
ZZZZZZ	1.00	19:06																										
ZZZZZZ	1.00	19:11																										
ZZZZZZ	1.00	19:15																										
ZZZZZZ	1.00	19:19																										
ZZZZZZ	1.00	19:24																										
ZZZZZZ	1.00	19:28																										
CCV	1.00	19:34									X								X								
CCB	1.00	19:38									X								X								
ZZZZZZ	5.00	19:43																										
ZZZZZZ	1.00	19:47																										
ZZZZZZ	1.00	19:52																										
ZZZZZZ	1.00	19:56																										
ZZZZZZ	1.00	20:00																										
ZZZZZZ	5.00	20:05																										
ZZZZZZ	1.00	20:09																										
ZZZZZZ	1.00	20:14																										
ZZZZZZ	1.00	20:18																										

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

Instrument ID Number: SUPERTRACE2 Method: P

Start Date: 8/2/2004 End Date: 8/3/2004

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN			
ZZZZZZ	5.00	20:22																												
CCV	1.00	20:28									X								X											
CCB	1.00	20:33									X								X											
ZZZZZZ	1.00	20:37																												
ZZZZZZ	1.00	20:41																												
ZZZZZZ	1.00	20:46																												
ZZZZZZ	5.00	20:50																												
ZZZZZZ	1.00	20:55																												
ZZZZZZ	1.00	20:59																												
Method Blank	1.00	21:03									X																			
LCS	1.00	21:08									X								X											
D08801	1.00	21:12									X								X											
D08801L	5.00	21:17									X								X											
CCV	1.00	21:22									X								X											
CCB	1.00	21:27									X								X											
D08801A	1.00	21:31									X								X											
D08801MD	1.00	21:36									X								X											
D08801MS	1.00	21:40									X								X											
D08801SD	1.00	21:44									X								X											
D08802	1.00	21:49									X								X											
D08803	1.00	21:53									X								X											
D08804	1.00	21:58									X								X											
D08805	1.00	22:02									X								X											
D08806	1.00	22:06									X								X											
ZZZZZZ	1.00	22:11																												
CCV	1.00	22:17									X								X											
CCB	1.00	22:21									X								X											
ZZZZZZ	1.00	22:25																												
ZZZZZZ	1.00	22:30																												
ZZZZZZ	5.00	22:34																												
ZZZZZZ	1.00	22:39																												
ZZZZZZ	1.00	22:43																												
ZZZZZZ	1.00	22:48																												

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

Instrument ID Number: SUPERTRACE2 Method: P

Start Date: 8/2/2004 End Date: 8/3/2004

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	22:52																										
ZZZZZZ	1.00	22:56																										
ZZZZZZ	1.00	23:01																										
ZZZZZZ	1.00	23:05																										
CCV	1.00	23:11									X								X									
CCB	1.00	23:15									X								X									
ZZZZZZ	1.00	23:20																										
ZZZZZZ	1.00	23:24																										
ZZZZZZ	1.00	23:29																										
ZZZZZZ	1.00	23:33																										
ZZZZZZ	1.00	23:37																										
ZZZZZZ	1.00	23:42																										
ZZZZZZ	5.00	23:46																										
ZZZZZZ	1.00	23:51																										
ZZZZZZ	1.00	23:55																										
ZZZZZZ	1.00	00:00																										
CCV	1.00	00:05									X								X									
CCB	1.00	00:10									X								X									
ZZZZZZ	1.00	00:14																										
ZZZZZZ	1.00	00:19																										
ZZZZZZ	1.00	00:23																										
ZZZZZZ	1.00	00:27																										
ZZZZZZ	1.00	00:32																										
ZZZZZZ	1.00	00:36																										
ZZZZZZ	1.00	00:41																										
ZZZZZZ	1.00	00:45																										
ZZZZZZ	1.00	00:50																										
CCV	1.00	00:55									X								X									
CCB	1.00	01:00									X								X									
CRI	1.00	01:04									X								X									
ICSA	1.00	01:09									X								X									
ICSAB	1.00	01:13									X								X									
CCV	1.00	01:17									X								X									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

Instrument ID Number: SUPERTRACE2 Method: P

Start Date: 8/2/2004 End Date: 8/3/2004

Sample ID.	D/F	Time	% R	Analytes																										
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB	1.00	01:22									X								X								

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: NY00-096

Lab Code: STLBFLO Case No.: SH904 SAS No.: SDG No.: 0721

Instrument ID Number: SUPERTRACE2 Method: P

Start Date: 8/17/2004 End Date: 8/17/2004

Sample ID.	D/F	Time	% R	Analytes																									
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
STD BLK	1.00	11:48																	X								
STD 1	1.00	11:52																	X								
STD 2	1.00	11:57																	X								
STD 3	1.00	12:01																	X								
STD 3 VER	1.00	12:05																	X								
ICV	1.00	12:10																	X								
ICB	1.00	12:14																	X								
CRI	1.00	12:19																	X								
ICSA	1.00	12:23																	X								
ICSAB	1.00	12:27																	X								
CCV	1.00	12:33																	X								
CCB	1.00	12:37																	X								
ZZZZZZ	5.00	12:42																									
ZZZZZZ	25.00	12:46																									
ZZZZZZ	5.00	12:51																									
ZZZZZZ	1.00	12:55																									
ZZZZZZ	1.00	12:59																									
Method Blank	1.00	13:04																	X								
ZZZZZZ	1.00	13:08																									
CRI	1.00	13:14																	X								
ICSA	1.00	13:18																	X								
ICSAB	1.00	13:23																	X								
CCV	1.00	13:27																	X								
CCB	1.00	13:31																	X								

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

METALS RAW DATA

Analysis Report 08/03/04 08:34:15 AM page 1

STL Buffalo Analyst: BKL Date: 8/3/04 Secondary Review: [illegible] Date: 8/3/04
Spikes: MDL-6-26, MDL-7-26, 4-106-E, 4-106-F
Pippettes: 5/12/04-1,5/12/04-2,5/12/04-3,5/12/04-4,5/12/04-5,5/12/04-6,5/12/04-7,
5/12/04-8,5/12/04-9,5/12/04-10,5/12/04-11

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode	
1	STD BLK 4-191-A	A080204	TRACE2	08/02/04	11:14		X	IR	
2	STD 1 4-197-C	A080204	TRACE2	08/02/04	11:19		X	IR	
3	STD 2 D	A080204	TRACE2	08/02/04	11:23		X	IR	
4	STD 3 B	A080204	TRACE2	08/02/04	11:27		X	IR	
5	STD 3 VER ↓	A080204	TRACE2	08/02/04	11:32	SW	B	CONC	
6	ICV E	A080204	TRACE2	08/02/04	11:36	SW	Q	CONC	
7	ICB 4-191-A	A080204	TRACE2	08/02/04	11:41	SW	B	CONC	
8	CRI 4-194-A	A080204	TRACE2	08/02/04	11:47	SW	B	CONC	
9	ICSA ↓ B	A080204	TRACE2	08/02/04	11:51	SW	Q	CONC	
10	ICSAB C	A080204	TRACE2	08/02/04	11:55	SW	Q	CONC	
11	CCV 4-197-F	A080204	TRACE2	08/02/04	12:01	SW	Q	CONC	
12	CCB 4-191-A	A080204	TRACE2	08/02/04	12:05	SW	B	CONC	4-
13	8A466 9304 BKL 8/3/04	A080204	TRACE2	08/02/04	12:10	SW	S	CONC	
14	AD439065/(1:10) 6846	A080204	TRACE2	08/02/04	12:14	SW	S	CONC	
15	AD438537/(1:5) 6840	A080204	TRACE2	08/02/04	12:19	SW	S	CONC	
16	AD438542/(1:5)	A080204	TRACE2	08/02/04	12:23	SW	S	CONC	
17	AD438543/(1:50)	A080204	TRACE2	08/02/04	12:27	SW	S	CONC	
18	AD438544/(1:10) 6885	A080204	TRACE2	08/02/04	12:32	SW	S	CONC	
19	AD438545/(1:50)	A080204	TRACE2	08/02/04	12:36	SW	S	CONC	
20	AD438546/(1:10)	A080204	TRACE2	08/02/04	12:40	SW	S	CONC	
21	AD438547/(1:50)	A080204	TRACE2	08/02/04	12:45	SW	S	CONC	
22	AD438548/(1:50)	A080204	TRACE2	08/02/04	12:49	SW	S	CONC	
23	CCV	A080204	TRACE2	08/02/04	12:55	SW	Q	CONC	
24	CCB	A080204	TRACE2	08/02/04	12:59	SW	B	CONC	
25	AD438549/(1:50)	A080204	TRACE2	08/02/04	13:04	SW	S	CONC	
26	AD438550/(1:50)	A080204	TRACE2	08/02/04	13:08	SW	S	CONC	
27	AD438551/(1:5) 6886	A080204	TRACE2	08/02/04	13:13	SW	S	CONC	
28	AD438552/(1:5)	A080204	TRACE2	08/02/04	13:17	SW	S	CONC	
29	AD438553/(1:5)	A080204	TRACE2	08/02/04	13:21	SW	S	CONC	
30	AD438554/(1:5) 6899	A080204	TRACE2	08/02/04	13:26	SW	S	CONC	4-
31	AD438555/(1:5) 6902	A080204	TRACE2	08/02/04	13:30	SW	S	CONC	
32	AD438869/(1:5) 7620	A080204	TRACE2	08/02/04	13:34	SW	S	CONC	
33	AD438853 6651	A080204	TRACE2	08/02/04	13:39	SW	S	CONC	
34	A4665103	A080204	TRACE2	08/02/04	13:43	SW	S	CONC	
35	CCV	A080204	TRACE2	08/02/04	13:49	SW	Q	CONC	
36	CCB	A080204	TRACE2	08/02/04	13:53	SW	B	CONC	
37	AD438854	A080204	TRACE2	08/02/04	13:58	SW	S	CONC	
38	A4665104	A080204	TRACE2	08/02/04	14:02	SW	S	CONC	
39	AD438856	A080204	TRACE2	08/02/04	14:12	SW	S	CONC	
40	A4665106	A080204	TRACE2	08/02/04	14:17	SW	S	CONC	
41	AD438858	A080204	TRACE2	08/02/04	14:21	SW	S	CONC	
42	A4665108	A080204	TRACE2	08/02/04	14:26	SW	S	CONC	
43	AD439549/PB	A080204	TRACE2	08/02/04	14:30	SW	S	CONC	
44	AD439548/FB	A080204	TRACE2	08/02/04	14:35	SW	S	CONC	
45	AD439544 7264	A080204	TRACE2	08/02/04	14:39	SW	S	CONC	
46	AD439544/L (1:5)	A080204	TRACE2	08/02/04	14:43	SW	S	CONC	
47	CCV	A080204	TRACE2	08/02/04	14:49	SW	Q	CONC	
48	CCB	A080204	TRACE2	08/02/04	14:53	SW	B	CONC	4-

Analysis Report Summary 08/03/04 06:48:08 AM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
49	AD439545/MS	A080204	TRACE2	08/02/04	14:58	SW	S	CONC
50	AD439546/SD	A080204	TRACE2	08/02/04	15:02	SW	S	CONC
51	AD439547 7278	A080204	TRACE2	08/02/04	15:07	SW	S	CONC
52	AD439647 7206	A080204	TRACE2	08/02/04	15:11	SW	S	CONC
53	AD439557/PB	A080204	TRACE2	08/02/04	15:19	SW	S	CONC
54	AD439556/FB	A080204	TRACE2	08/02/04	15:24	SW	S	CONC
55	AD439550 7275	A080204	TRACE2	08/02/04	15:28	SW	S	CONC
56	AD439550/L (1:5)	A080204	TRACE2	08/02/04	15:33	SW	S	CONC
57	AD439551/MS	A080204	TRACE2	08/02/04	15:37	SW	S	CONC
58	AD439552/SD	A080204	TRACE2	08/02/04	15:41	SW	S	CONC
59	CCV	A080204	TRACE2	08/02/04	16:13	SW	Q	CONC
60	CCB	A080204	TRACE2	08/02/04	16:17	SW	B	CONC
61	AD439553	A080204	TRACE2	08/02/04	16:21	SW	S	CONC
62	AD439554	A080204	TRACE2	08/02/04	16:26	SW	S	CONC
63	AD439555	A080204	TRACE2	08/02/04	16:30	SW	S	CONC
64	AD439653/PB	A080204	TRACE2	08/02/04	16:46	SW	S	CONC
65	AD439652/EBLK	A080204	TRACE2	08/02/04	16:50	SW	S	CONC
66	AD439651/LCS 7173	A080204	TRACE2	08/02/04	16:54	SW	S	CONC
67	AD439648	A080204	TRACE2	08/02/04	16:59	SW	S	CONC
68	AD439648/L (1:5)	A080204	TRACE2	08/02/04	17:03	SW	S	CONC
69	AD439649/MS	A080204	TRACE2	08/02/04	17:08	SW	S	CONC
70	AD439650/SD	A080204	TRACE2	08/02/04	17:12	SW	S	CONC
71	CCV	A080204	TRACE2	08/02/04	17:18	SW	Q	CONC
72	CCB	A080204	TRACE2	08/02/04	17:22	SW	B	CONC
73	CRI	A080204	TRACE2	08/02/04	17:27	SW	B	CONC
74	ICSA	A080204	TRACE2	08/02/04	17:31	SW	Q	CONC
75	ICSAB	A080204	TRACE2	08/02/04	17:35	SW	Q	CONC
76	CCV	A080204	TRACE2	08/02/04	17:40	SW	Q	CONC
77	CCB	A080204	TRACE2	08/02/04	17:44	SW	B	CONC
78	STD BLK	A080204	TRACE2	08/02/04	17:55		X	IR
79	STD 1	A080204	TRACE2	08/02/04	17:59		X	IR
80	STD 2	A080204	TRACE2	08/02/04	18:03		X	IR
81	STD 3	A080204	TRACE2	08/02/04	18:08		X	IR
82	STD 3 VER	A080204	TRACE2	08/02/04	18:12	SW	B	CONC
83	ICV	A080204	TRACE2	08/02/04	18:17	SW	Q	CONC
84	ICB	A080204	TRACE2	08/02/04	18:21	SW	B	CONC
85	CRI	A080204	TRACE2	08/02/04	18:25	SW	B	CONC
86	ICSA	A080204	TRACE2	08/02/04	18:30	SW	Q	CONC
87	ICSAB	A080204	TRACE2	08/02/04	18:34	SW	Q	CONC
88	CCV	A080204	TRACE2	08/02/04	18:40	SW	Q	CONC
89	CCB	A080204	TRACE2	08/02/04	18:44	SW	B	CONC
90	AD439656/PB	A080204	TRACE2	08/02/04	18:49	SW	S	CONC
91	AD439655/FB	A080204	TRACE2	08/02/04	18:53	SW	S	CONC
92	AD439654 7001	A080204	TRACE2	08/02/04	18:57	SW	S	CONC
93	AD439654/(1:5)	A080204	TRACE2	08/02/04	19:02	SW	S	CONC
94	AD439531/PB	A080204	TRACE2	08/02/04	19:06	SW	S	CONC
95	AD439530/EBLK	A080204	TRACE2	08/02/04	19:11	SW	S	CONC
96	AD439529/EBLK	A080204	TRACE2	08/02/04	19:15	SW	S	CONC
97	AD439528/LCS	A080204	TRACE2	08/02/04	19:19	SW	S	CONC
98	AD439527/LCS	A080204	TRACE2	08/02/04	19:24	SW	S	CONC
99	AD439514 6895	A080204	TRACE2	08/02/04	19:28	SW	S	CONC
100	CCV	A080204	TRACE2	08/02/04	19:34	SW	Q	CONC
101	CCB	A080204	TRACE2	08/02/04	19:38	SW	B	CONC
102	AD439514/L (1:5)	A080204	TRACE2	08/02/04	19:43	SW	S	CONC

Analysis Report Summary 08/03/04 06:48:08 AM page 3

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
103	AD439515/MS	A080204	TRACE2	08/02/04	19:47	SW	S	CONC
104	AD439516/SD 7182	A080204	TRACE2	08/02/04	19:52	SW	S	CONC
105	AD439517	A080204	TRACE2	08/02/04	19:56	SW	S	CONC
106	AD439518 7214	A080204	TRACE2	08/02/04	20:00	SW	S	CONC
107	AD439518/L (1:5)	A080204	TRACE2	08/02/04	20:05	SW	S	CONC
108	AD439519/MS	A080204	TRACE2	08/02/04	20:09	SW	S	CONC
109	AD439520/SD	A080204	TRACE2	08/02/04	20:14	SW	S	CONC
110	AD439521	A080204	TRACE2	08/02/04	20:18	SW	S	CONC
111	AD439521/L (1:5)	A080204	TRACE2	08/02/04	20:22	SW	S	CONC
112	CCV	A080204	TRACE2	08/02/04	20:28	SW	Q	CONC
113	CCB	A080204	TRACE2	08/02/04	20:33	SW	B	CONC
114	AD439522/MS	A080204	TRACE2	08/02/04	20:37	SW	S	CONC
115	AD439523/SD	A080204	TRACE2	08/02/04	20:41	SW	S	CONC
116	AD439524	A080204	TRACE2	08/02/04	20:46	SW	S	CONC
117	AD439524/L (1:5)	A080204	TRACE2	08/02/04	20:50	SW	S	CONC
118	AD439525/MS	A080204	TRACE2	08/02/04	20:55	SW	S	CONC
119	AD439526/SD	A080204	TRACE2	08/02/04	20:59	SW	S	CONC
120	AD439365/PB	A080204	TRACE2	08/02/04	21:03	SW	S	CONC
121	AD439364/CLPSL	A080204	TRACE2	08/02/04	21:08	SW	S	CONC
122	AD439355 6905	A080204	TRACE2	08/02/04	21:12	SW	S	CONC
123	AD439355/L (1:5)	A080204	TRACE2	08/02/04	21:17	SW	S	CONC
124	CCV	A080204	TRACE2	08/02/04	21:22	SW	Q	CONC
125	CCB	A080204	TRACE2	08/02/04	21:27	SW	B	CONC
126	AD439355/PS	A080204	TRACE2	08/02/04	21:31	SW	S	CONC
127	AD439356/MD	A080204	TRACE2	08/02/04	21:36	SW	S	CONC
128	AD439357/MS	A080204	TRACE2	08/02/04	21:40	SW	S	CONC
129	AD439358/SD	A080204	TRACE2	08/02/04	21:44	SW	S	CONC
130	AD439359	A080204	TRACE2	08/02/04	21:49	SW	S	CONC
131	AD439360	A080204	TRACE2	08/02/04	21:53	SW	S	CONC
132	AD439361	A080204	TRACE2	08/02/04	21:58	SW	S	CONC
133	AD439362	A080204	TRACE2	08/02/04	22:02	SW	S	CONC
134	AD439363	A080204	TRACE2	08/02/04	22:06	SW	S	CONC
135	AD439414/PB	A080204	TRACE2	08/02/04	22:11	SW	S	CONC
136	CCV	A080204	TRACE2	08/02/04	22:17	SW	Q	CONC
137	CCB	A080204	TRACE2	08/02/04	22:21	SW	B	CONC
138	AD439413/CLPSL	A080204	TRACE2	08/02/04	22:25	SW	S	CONC
139	AD439402 7164	A080204	TRACE2	08/02/04	22:30	SW	S	CONC
140	AD439402/L (1:5)	A080204	TRACE2	08/02/04	22:34	SW	S	CONC
141	AD439403/MS	A080204	TRACE2	08/02/04	22:39	SW	S	CONC
142	AD439404/SD	A080204	TRACE2	08/02/04	22:43	SW	S	CONC
143	AD439405	A080204	TRACE2	08/02/04	22:48	SW	S	CONC
144	AD439406	A080204	TRACE2	08/02/04	22:52	SW	S	CONC
145	AD439407	A080204	TRACE2	08/02/04	22:56	SW	S	CONC
146	AD439408	A080204	TRACE2	08/02/04	23:01	SW	S	CONC
147	AD439409	A080204	TRACE2	08/02/04	23:05	SW	S	CONC
148	CCV	A080204	TRACE2	08/02/04	23:11	SW	Q	CONC
149	CCB	A080204	TRACE2	08/02/04	23:15	SW	B	CONC
150	AD439410	A080204	TRACE2	08/02/04	23:20	SW	S	CONC
151	AD439411	A080204	TRACE2	08/02/04	23:24	SW	S	CONC
152	AD439412	A080204	TRACE2	08/02/04	23:29	SW	S	CONC
153	AD439063/PB	A080204	TRACE2	08/02/04	23:33	SW	S	CONC
154	AD439062/CLPSL	A080204	TRACE2	08/02/04	23:37	SW	S	CONC
155	AD439049 6924	A080204	TRACE2	08/02/04	23:42	SW	S	CONC
156	AD439049/L (1:5)	A080204	TRACE2	08/02/04	23:46	SW	S	CONC

Analysis Report Summary 08/03/04 06:48:08 AM page 4

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
157	AD439050/MS	A080204	TRACE2	08/02/04	23:51	SW	S	CONC
158	AD439051/SD	A080204	TRACE2	08/02/04	23:55	SW	S	CONC
159	AD439052	A080204	TRACE2	08/03/04	00:00	SW	S	CONC
160	CCV	A080204	TRACE2	08/03/04	00:05	SW	Q	CONC
161	CCB	A080204	TRACE2	08/03/04	00:10	SW	B	CONC
162	AD439053	A080204	TRACE2	08/03/04	00:14	SW	S	CONC
163	AD439054	A080204	TRACE2	08/03/04	00:19	SW	S	CONC
164	AD439055	A080204	TRACE2	08/03/04	00:23	SW	S	CONC
165	AD439056	A080204	TRACE2	08/03/04	00:27	SW	S	CONC
166	AD439057	A080204	TRACE2	08/03/04	00:32	SW	S	CONC
167	AD439058	A080204	TRACE2	08/03/04	00:36	SW	S	CONC
168	AD439059	A080204	TRACE2	08/03/04	00:41	SW	S	CONC
169	AD439060	A080204	TRACE2	08/03/04	00:45	SW	S	CONC
170	AD439061	A080204	TRACE2	08/03/04	00:50	SW	S	CONC
171	CCV	A080204	TRACE2	08/03/04	00:55	SW	Q	CONC
172	CCB	A080204	TRACE2	08/03/04	01:00	SW	B	CONC
173	CRI	A080204	TRACE2	08/03/04	01:04	SW	B	CONC
174	ICSA	A080204	TRACE2	08/03/04	01:09	SW	Q	CONC
175	ICSAB	A080204	TRACE2	08/03/04	01:13	SW	Q	CONC
176	CCV	A080204	TRACE2	08/03/04	01:17	SW	Q	CONC
177	CCB	A080204	TRACE2	08/03/04	01:22	SW	B	CONC
178	STD BLK	A080204	TRACE2	08/03/04	01:32		X	IR
179	STD 1	A080204	TRACE2	08/03/04	01:37		X	IR
180	STD 2	A080204	TRACE2	08/03/04	01:41		X	IR
181	STD 3	A080204	TRACE2	08/03/04	01:45		X	IR
182	STD 3 VER	A080204	TRACE2	08/03/04	01:50	SW	B	CONC
183	ICV	A080204	TRACE2	08/03/04	01:54	SW	Q	CONC
184	ICB	A080204	TRACE2	08/03/04	01:59	SW	B	CONC
185	CRI	A080204	TRACE2	08/03/04	02:03	SW	B	CONC
186	ICSA	A080204	TRACE2	08/03/04	02:07	SW	Q	CONC
187	ICSAB	A080204	TRACE2	08/03/04	02:12	SW	Q	CONC
188	CCV	A080204	TRACE2	08/03/04	02:17	SW	Q	CONC
189	CCB	A080204	TRACE2	08/03/04	02:22	SW	B	CONC
190	AD439401/PB	A080204	TRACE2	08/03/04	02:26	SW	S	CONC
191	AD439400/CLPSL	A080204	TRACE2	08/03/04	02:31	SW	S	CONC
192	AD439379 7026	A080204	TRACE2	08/03/04	02:35	SW	S	CONC
193	AD439379/L (1:5)	A080204	TRACE2	08/03/04	02:40	SW	S	CONC
194	AD439380/MS	A080204	TRACE2	08/03/04	02:44	SW	S	CONC
195	AD439381/SD	A080204	TRACE2	08/03/04	02:48	SW	S	CONC
196	AD439382	A080204	TRACE2	08/03/04	02:53	SW	S	CONC
197	AD439383	A080204	TRACE2	08/03/04	02:57	SW	S	CONC
198	AD439384	A080204	TRACE2	08/03/04	03:02	SW	S	CONC
199	AD439385	A080204	TRACE2	08/03/04	03:06	SW	S	CONC
200	CCV	A080204	TRACE2	08/03/04	03:12	SW	Q	CONC
201	CCB	A080204	TRACE2	08/03/04	03:16	SW	B	CONC
202	AD439386	A080204	TRACE2	08/03/04	03:21	SW	S	CONC
203	AD439387	A080204	TRACE2	08/03/04	03:25	SW	S	CONC
204	AD439388	A080204	TRACE2	08/03/04	03:30	SW	S	CONC
205	AD439389 7101	A080204	TRACE2	08/03/04	03:34	SW	S	CONC
206	AD439390	A080204	TRACE2	08/03/04	03:38	SW	S	CONC
207	AD439391	A080204	TRACE2	08/03/04	03:43	SW	S	CONC
208	AD439392	A080204	TRACE2	08/03/04	03:47	SW	S	CONC
209	AD439393	A080204	TRACE2	08/03/04	03:52	SW	S	CONC
210	AD439394	A080204	TRACE2	08/03/04	03:56	SW	S	CONC

Analysis Report Summary 08/03/04 08:34:15 AM page 5

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
211	AD439395	A080204	TRACE2	08/03/04	04:00	SW	S	CONC
212	CCV	A080204	TRACE2	08/03/04	04:06	SW	Q	CONC
213	CCB	A080204	TRACE2	08/03/04	04:11	SW	B	CONC
214	AD439396	A080204	TRACE2	08/03/04	04:15	SW	S	CONC
215	AD439397	A080204	TRACE2	08/03/04	04:20	SW	S	CONC
216	A4716302 7163	A080204	TRACE2	08/03/04	04:24	SW	S	CONC
217	AD439558 7244	A080204	TRACE2	08/03/04	04:28	SW	S	CONC
218	CRI	A080204	TRACE2	08/03/04	04:34	SW	B	CONC
219	ICSA	A080204	TRACE2	08/03/04	04:39	SW	Q	CONC
220	ICSAB	A080204	TRACE2	08/03/04	04:43	SW	Q	CONC
221	CCV	A080204	TRACE2	08/03/04	04:47	SW	Q	CONC
222	CCB	A080204	TRACE2	08/03/04	04:52	SW	B	CONC
223	AD439378/PB	A080204	TRACE2	08/03/04	04:56	SW	S	CONC
224	AD439377/CLPSL	A080204	TRACE2	08/03/04	05:01	SW	S	CONC
225	AD439366 6921	A080204	TRACE2	08/03/04	05:05	SW	S	CONC
226	AD439366/L (1:5)	A080204	TRACE2	08/03/04	05:10	SW	S	CONC
227	AD439366/PS	A080204	TRACE2	08/03/04	05:14	SW	S	CONC
228	AD439367/MD	A080204	TRACE2	08/03/04	05:18	SW	S	CONC
229	AD439368/MS	A080204	TRACE2	08/03/04	05:23	SW	S	CONC
230	AD439369/SD	A080204	TRACE2	08/03/04	05:27	SW	S	CONC
231	AD439370	A080204	TRACE2	08/03/04	05:32	SW	S	CONC
232	AD439371	A080204	TRACE2	08/03/04	05:36	SW	S	CONC
233	CCV	A080204	TRACE2	08/03/04	05:42	SW	Q	CONC
234	CCB	A080204	TRACE2	08/03/04	05:46	SW	B	CONC
235	AD439372	A080204	TRACE2	08/03/04	05:51	SW	S	CONC
236	AD439373	A080204	TRACE2	08/03/04	05:55	SW	S	CONC
237	AD439374	A080204	TRACE2	08/03/04	06:00	SW	S	CONC
238	AD439375	A080204	TRACE2	08/03/04	06:04	SW	S	CONC
239	AD439376	A080204	TRACE2	08/03/04	06:08	SW	S	CONC
240	AD438323/(1:5)	A080204	TRACE2	08/03/04	06:13	SW	S	CONC
241	A4685802 6855	A080204	TRACE2	08/03/04	06:17	SW	S	CONC
242	CRI	A080204	TRACE2	08/03/04	06:23	SW	B	CONC
243	ICSA	A080204	TRACE2	08/03/04	06:27	SW	Q	CONC
244	ICSAB	A080204	TRACE2	08/03/04	06:32	SW	Q	CONC
245	CCV	A080204	TRACE2	08/03/04	06:38	SW	Q	CONC
246	CCB	A080204	TRACE2	08/03/04	06:42	SW	B	CONC
247	CRI	A080204	TRACE2	08/03/04	07:29	SW	B	CONC
248	ICSA	A080204	TRACE2	08/03/04	07:33	SW	Q	CONC
249	ICSAB	A080204	TRACE2	08/03/04	07:37	SW	Q	CONC
250	CCV	A080204	TRACE2	08/03/04	07:43	SW	Q	CONC
251	CCV	A080204	TRACE2	08/03/04	07:50	SW	Q	CONC
252	CCB	A080204	TRACE2	08/03/04	07:54	SW	B	CONC

Analysis Report Summary 08/03/04 08:07:37 AM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	S	A080204	TRACE2	08/02/04	12:10	SW	S	CONC
2	AD439065/(1:10)	A080204	TRACE2	08/02/04	12:14	SW	S	CONC
3	AD438537/(1:5)	A080204	TRACE2	08/02/04	12:19	SW	S	CONC
4	AD438542/(1:5)	A080204	TRACE2	08/02/04	12:23	SW	S	CONC
5	AD438543/(1:50)	A080204	TRACE2	08/02/04	12:27	SW	S	CONC
6	AD438544/(1:10)	A080204	TRACE2	08/02/04	12:32	SW	S	CONC
7	AD438545/(1:50)	A080204	TRACE2	08/02/04	12:36	SW	S	CONC
8	AD438546/(1:10)	A080204	TRACE2	08/02/04	12:40	SW	S	CONC
9	AD438547/(1:50)	A080204	TRACE2	08/02/04	12:45	SW	S	CONC
10	AD438548/(1:50)	A080204	TRACE2	08/02/04	12:49	SW	S	CONC
11	AD438549/(1:50)	A080204	TRACE2	08/02/04	13:04	SW	S	CONC
12	AD438550/(1:50)	A080204	TRACE2	08/02/04	13:08	SW	S	CONC
13	AD438551/(1:5)	A080204	TRACE2	08/02/04	13:13	SW	S	CONC
14	AD438552/(1:5)	A080204	TRACE2	08/02/04	13:17	SW	S	CONC
15	AD438553/(1:5)	A080204	TRACE2	08/02/04	13:21	SW	S	CONC
16	AD438554/(1:5)	A080204	TRACE2	08/02/04	13:26	SW	S	CONC
17	AD438555/(1:5)	A080204	TRACE2	08/02/04	13:30	SW	S	CONC
18	AD438869/(1:5)	A080204	TRACE2	08/02/04	13:34	SW	S	CONC
19	AD438853	A080204	TRACE2	08/02/04	13:39	SW	S	CONC
20	A4665103	A080204	TRACE2	08/02/04	13:43	SW	S	CONC
21	AD438854	A080204	TRACE2	08/02/04	13:58	SW	S	CONC
22	A4665104	A080204	TRACE2	08/02/04	14:02	SW	S	CONC
23	AD438856	A080204	TRACE2	08/02/04	14:12	SW	S	CONC
24	A4665106	A080204	TRACE2	08/02/04	14:17	SW	S	CONC
25	AD438858	A080204	TRACE2	08/02/04	14:21	SW	S	CONC
26	A4665108	A080204	TRACE2	08/02/04	14:26	SW	S	CONC
27	AD439549/PB	A080204	TRACE2	08/02/04	14:30	SW	S	CONC
28	AD439548/FB	A080204	TRACE2	08/02/04	14:35	SW	S	CONC
29	AD439544	A080204	TRACE2	08/02/04	14:39	SW	S	CONC
30	AD439544/L (1:5)	A080204	TRACE2	08/02/04	14:43	SW	S	CONC
31	AD439545/MS	A080204	TRACE2	08/02/04	14:58	SW	S	CONC
32	AD439546/SD	A080204	TRACE2	08/02/04	15:02	SW	S	CONC
33	AD439547	A080204	TRACE2	08/02/04	15:07	SW	S	CONC
34	AD439647	A080204	TRACE2	08/02/04	15:11	SW	S	CONC
35	AD439557/PB	A080204	TRACE2	08/02/04	15:19	SW	S	CONC
36	AD439556/FB	A080204	TRACE2	08/02/04	15:24	SW	S	CONC
37	AD439550	A080204	TRACE2	08/02/04	15:28	SW	S	CONC
38	AD439550/L (1:5)	A080204	TRACE2	08/02/04	15:33	SW	S	CONC
39	AD439551/MS	A080204	TRACE2	08/02/04	15:37	SW	S	CONC
40	AD439552/SD	A080204	TRACE2	08/02/04	15:41	SW	S	CONC
41	AD439553	A080204	TRACE2	08/02/04	16:21	SW	S	CONC
42	AD439554	A080204	TRACE2	08/02/04	16:26	SW	S	CONC
43	AD439555	A080204	TRACE2	08/02/04	16:30	SW	S	CONC
44	AD439653/PB	A080204	TRACE2	08/02/04	16:46	SW	S	CONC
45	AD439652/EBLK	A080204	TRACE2	08/02/04	16:50	SW	S	CONC
46	AD439651/LCS	A080204	TRACE2	08/02/04	16:54	SW	S	CONC
47	AD439648	A080204	TRACE2	08/02/04	16:59	SW	S	CONC
48	AD439648/L (1:5)	A080204	TRACE2	08/02/04	17:03	SW	S	CONC
49	AD439649/MS	A080204	TRACE2	08/02/04	17:08	SW	S	CONC
50	AD439650/SD	A080204	TRACE2	08/02/04	17:12	SW	S	CONC
51	AD439656/PB	A080204	TRACE2	08/02/04	18:49	SW	S	CONC
52	AD439655/FB	A080204	TRACE2	08/02/04	18:53	SW	S	CONC
53	AD439654	A080204	TRACE2	08/02/04	18:57	SW	S	CONC

Analysis Report Summary 08/03/04 08:07:37 AM page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	AD439654/(1:5)	A080204	TRACE2	08/02/04	19:02	SW	S	CONC
55	AD439531/PB	A080204	TRACE2	08/02/04	19:06	SW	S	CONC
56	AD439530/EBLK	A080204	TRACE2	08/02/04	19:11	SW	S	CONC
57	AD439529/EBLK	A080204	TRACE2	08/02/04	19:15	SW	S	CONC
58	AD439528/LCS	A080204	TRACE2	08/02/04	19:19	SW	S	CONC
59	AD439527/LCS	A080204	TRACE2	08/02/04	19:24	SW	S	CONC
60	AD439514	A080204	TRACE2	08/02/04	19:28	SW	S	CONC
61	AD439514/L (1:5)	A080204	TRACE2	08/02/04	19:43	SW	S	CONC
62	AD439515/MS	A080204	TRACE2	08/02/04	19:47	SW	S	CONC
63	AD439516/SD	A080204	TRACE2	08/02/04	19:52	SW	S	CONC
64	AD439517	A080204	TRACE2	08/02/04	19:56	SW	S	CONC
65	AD439518	A080204	TRACE2	08/02/04	20:00	SW	S	CONC
66	AD439518/L (1:5)	A080204	TRACE2	08/02/04	20:05	SW	S	CONC
67	AD439519/MS	A080204	TRACE2	08/02/04	20:09	SW	S	CONC
68	AD439520/SD	A080204	TRACE2	08/02/04	20:14	SW	S	CONC
69	AD439521	A080204	TRACE2	08/02/04	20:18	SW	S	CONC
70	AD439521/L (1:5)	A080204	TRACE2	08/02/04	20:22	SW	S	CONC
71	AD439522/MS	A080204	TRACE2	08/02/04	20:37	SW	S	CONC
72	AD439523/SD	A080204	TRACE2	08/02/04	20:41	SW	S	CONC
73	AD439524	A080204	TRACE2	08/02/04	20:46	SW	S	CONC
74	AD439524/L (1:5)	A080204	TRACE2	08/02/04	20:50	SW	S	CONC
75	AD439525/MS	A080204	TRACE2	08/02/04	20:55	SW	S	CONC
76	AD439526/SD	A080204	TRACE2	08/02/04	20:59	SW	S	CONC
77	AD439365/PB	A080204	TRACE2	08/02/04	21:03	SW	S	CONC
78	AD439364/CLPSL	A080204	TRACE2	08/02/04	21:08	SW	S	CONC
79	AD439355	A080204	TRACE2	08/02/04	21:12	SW	S	CONC
80	AD439355/L (1:5)	A080204	TRACE2	08/02/04	21:17	SW	S	CONC
81	AD439355/PS	A080204	TRACE2	08/02/04	21:31	SW	S	CONC
82	AD439356/MD	A080204	TRACE2	08/02/04	21:36	SW	S	CONC
83	AD439357/MS	A080204	TRACE2	08/02/04	21:40	SW	S	CONC
84	AD439358/SD	A080204	TRACE2	08/02/04	21:44	SW	S	CONC
85	AD439359	A080204	TRACE2	08/02/04	21:49	SW	S	CONC
86	AD439360	A080204	TRACE2	08/02/04	21:53	SW	S	CONC
87	AD439361	A080204	TRACE2	08/02/04	21:58	SW	S	CONC
88	AD439362	A080204	TRACE2	08/02/04	22:02	SW	S	CONC
89	AD439363	A080204	TRACE2	08/02/04	22:06	SW	S	CONC
90	AD439414/PB	A080204	TRACE2	08/02/04	22:11	SW	S	CONC
91	AD439413/CLPSL	A080204	TRACE2	08/02/04	22:25	SW	S	CONC
92	AD439402	A080204	TRACE2	08/02/04	22:30	SW	S	CONC
93	AD439402/L (1:5)	A080204	TRACE2	08/02/04	22:34	SW	S	CONC
94	AD439403/MS	A080204	TRACE2	08/02/04	22:39	SW	S	CONC
95	AD439404/SD	A080204	TRACE2	08/02/04	22:43	SW	S	CONC
96	AD439405	A080204	TRACE2	08/02/04	22:48	SW	S	CONC
97	AD439406	A080204	TRACE2	08/02/04	22:52	SW	S	CONC
98	AD439407	A080204	TRACE2	08/02/04	22:56	SW	S	CONC
99	AD439408	A080204	TRACE2	08/02/04	23:01	SW	S	CONC
100	AD439409	A080204	TRACE2	08/02/04	23:05	SW	S	CONC
101	AD439410	A080204	TRACE2	08/02/04	23:20	SW	S	CONC
102	AD439411	A080204	TRACE2	08/02/04	23:24	SW	S	CONC
103	AD439412	A080204	TRACE2	08/02/04	23:29	SW	S	CONC
104	AD439063/PB	A080204	TRACE2	08/02/04	23:33	SW	S	CONC
105	AD439062/CLPSL	A080204	TRACE2	08/02/04	23:37	SW	S	CONC
106	AD439049	A080204	TRACE2	08/02/04	23:42	SW	S	CONC
107	AD439049/L (1:5)	A080204	TRACE2	08/02/04	23:46	SW	S	CONC

Analysis Report Summary 08/03/04 08:07:37 AM page 3

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	AD439050/MS	A080204	TRACE2	08/02/04	23:51	SW	S	CONC
109	AD439051/SD	A080204	TRACE2	08/02/04	23:55	SW	S	CONC
110	AD439052	A080204	TRACE2	08/03/04	00:00	SW	S	CONC
111	AD439053	A080204	TRACE2	08/03/04	00:14	SW	S	CONC
112	AD439054	A080204	TRACE2	08/03/04	00:19	SW	S	CONC
113	AD439055	A080204	TRACE2	08/03/04	00:23	SW	S	CONC
114	AD439056	A080204	TRACE2	08/03/04	00:27	SW	S	CONC
115	AD439057	A080204	TRACE2	08/03/04	00:32	SW	S	CONC
116	AD439058	A080204	TRACE2	08/03/04	00:36	SW	S	CONC
117	AD439059	A080204	TRACE2	08/03/04	00:41	SW	S	CONC
118	AD439060	A080204	TRACE2	08/03/04	00:45	SW	S	CONC
119	AD439061	A080204	TRACE2	08/03/04	00:50	SW	S	CONC
120	AD439401/PB	A080204	TRACE2	08/03/04	02:26	SW	S	CONC
121	AD439400/CLPSL	A080204	TRACE2	08/03/04	02:31	SW	S	CONC
122	AD439379	A080204	TRACE2	08/03/04	02:35	SW	S	CONC
123	AD439379/L (1:5)	A080204	TRACE2	08/03/04	02:40	SW	S	CONC
124	AD439380/MS	A080204	TRACE2	08/03/04	02:44	SW	S	CONC
125	AD439381/SD	A080204	TRACE2	08/03/04	02:48	SW	S	CONC
126	AD439382	A080204	TRACE2	08/03/04	02:53	SW	S	CONC
127	AD439383	A080204	TRACE2	08/03/04	02:57	SW	S	CONC
128	AD439384	A080204	TRACE2	08/03/04	03:02	SW	S	CONC
129	AD439385	A080204	TRACE2	08/03/04	03:06	SW	S	CONC
130	AD439386	A080204	TRACE2	08/03/04	03:21	SW	S	CONC
131	AD439387	A080204	TRACE2	08/03/04	03:25	SW	S	CONC
132	AD439388	A080204	TRACE2	08/03/04	03:30	SW	S	CONC
133	AD439389	A080204	TRACE2	08/03/04	03:34	SW	S	CONC
134	AD439390	A080204	TRACE2	08/03/04	03:38	SW	S	CONC
135	AD439391	A080204	TRACE2	08/03/04	03:43	SW	S	CONC
136	AD439392	A080204	TRACE2	08/03/04	03:47	SW	S	CONC
137	AD439393	A080204	TRACE2	08/03/04	03:52	SW	S	CONC
138	AD439394	A080204	TRACE2	08/03/04	03:56	SW	S	CONC
139	AD439395	A080204	TRACE2	08/03/04	04:00	SW	S	CONC
140	AD439396	A080204	TRACE2	08/03/04	04:15	SW	S	CONC
141	AD439397	A080204	TRACE2	08/03/04	04:20	SW	S	CONC
142	A4716302	A080204	TRACE2	08/03/04	04:24	SW	S	CONC
143	AD439558	A080204	TRACE2	08/03/04	04:28	SW	S	CONC
144	AD439378/PB	A080204	TRACE2	08/03/04	04:56	SW	S	CONC
145	AD439377/CLPSL	A080204	TRACE2	08/03/04	05:01	SW	S	CONC
146	AD439366	A080204	TRACE2	08/03/04	05:05	SW	S	CONC
147	AD439366/L (1:5)	A080204	TRACE2	08/03/04	05:10	SW	S	CONC
148	AD439366/PS	A080204	TRACE2	08/03/04	05:14	SW	S	CONC
149	AD439367/MD	A080204	TRACE2	08/03/04	05:18	SW	S	CONC
150	AD439368/MS	A080204	TRACE2	08/03/04	05:23	SW	S	CONC
151	AD439369/SD	A080204	TRACE2	08/03/04	05:27	SW	S	CONC
152	AD439370	A080204	TRACE2	08/03/04	05:32	SW	S	CONC
153	AD439371	A080204	TRACE2	08/03/04	05:36	SW	S	CONC
154	AD439372	A080204	TRACE2	08/03/04	05:51	SW	S	CONC
155	AD439373	A080204	TRACE2	08/03/04	05:55	SW	S	CONC
156	AD439374	A080204	TRACE2	08/03/04	06:00	SW	S	CONC
157	AD439375	A080204	TRACE2	08/03/04	06:04	SW	S	CONC
158	AD439376	A080204	TRACE2	08/03/04	06:08	SW	S	CONC
159	AD438323/(1:5)	A080204	TRACE2	08/03/04	06:13	SW	S	CONC
160	A4685802	A080204	TRACE2	08/03/04	06:17	SW	S	CONC

Analysis Report Averages 08/03/04 08:07:37 AM page 4

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
1	S	1.0197	.10449	.77892	.92890	.00534	.05537
2	AD439065/(1:10)	.17061	.00109	.18521	.05458	.00003	15.360
3	AD438537/(1:5)	.08450	.03081	.04371	.04787	.00007	18.179
4	AD438542/(1:5)	.48117	.00678	.11567	.06361	.00006	13.197
5	AD438543/(1:50)	.01168	.00138	.00713	.03407	.00005	5.6409
6	AD438544/(1:10)	2.3809	.02865	.63198	1.3765	.00013	20.810
7	AD438545/(1:50)	.05761	.00073	.43149	.01331	.00014	1.9841
8	AD438546/(1:10)	3.8439	.01646	1.0161	.28171	.00036	22.254
9	AD438547/(1:50)	.02650	-.00079	.18312	.01176	.00019	2.2042
10	AD438548/(1:50)	.00977	.00133	.11735	.02201	.00017	3.3726
11	AD438549/(1:50)	.01267	-.00090	.16173	.02856	.00032	3.0982
12	AD438550/(1:50)	.01308	.00039	.26553	.01031	.00012	1.4523
13	AD438551/(1:5)	.70597	.00038	.14393	.08081	.00019	27.475
14	AD438552/(1:5)	.02156	.01445	.15266	.32328	.00015	9.4914
15	AD438553/(1:5)	.00783	.01612	.10377	.22496	.00029	14.501
16	AD438554/(1:5)	.20191	-.00092	.01767	.01578	.00019	21.879
17	AD438555/(1:5)	.01968	-.00015	.06759	.01567	.00023	37.977
18	AD438869/(1:5)	.00300	.00271	.01274	.01416	.00028	34.161
19	AD438853	.05639	-.00022	.00595	.00674	.00029	.96021
20	A4665103	.04058	-.00091	.00474	.00673	.00048	.95005
21	AD438854	.01366	.00034	.01206	.00577	.00163	2.8968
22	A4665104	.00630	-.00162	.00971	.00576	.00182	2.9747
23	AD438856	.05847	.00096	.00918	.01120	.00022	3.8677
24	A4665106	.02073	-.00033	.00555	.01157	.00047	4.0206
25	AD438858	.16603	.00360	.02666	.01756	.00037	7.7744
26	A4665108	.15602	.00138	.02470	.01743	.00050	7.8062
27	AD439549/PB	.00487	.00146	.00332	.00020	.00021	.04410
28	AD439548/FB	10.128	.20957	.19562	.20511	.20775	10.263
29	AD439544	.34539	.05187	6.2955	.68495	.00045	210.44
30	AD439544/L (1:5)	.12263	.01322	1.2299	.13700	.00028	43.809
31	AD439545/MS	11.045	.26928	6.7393	.91181	.20738	224.78
32	AD439546/SD	11.219	.27182	6.8364	.92538	.20767	226.38
33	AD439547	10.537	.01088	.07297	.09901	.00090	58.416
34	AD439647	H953.57	.15126	1.0157	6.8667	.00615	H671.57
35	AD439557/PB	.10057	.00237	.00460	.00071	.00016	.11836
36	AD439556/FB	10.337	.21313	.20664	.20752	.20927	10.129
37	AD439550	.01845	.00707	7.7424	8.3883	.00043	145.67
38	AD439550/L (1:5)	.04785	.00274	1.5462	1.6835	.00038	30.356
39	AD439551/MS	10.495	.22288	8.1154	8.6866	.20948	156.99
40	AD439552/SD	10.547	.22254	8.2207	8.7895	.21029	158.54
41	AD439553	.00310	.00016	2.5049	1.4479	.00051	131.74
42	AD439554	.00143	.00275	2.8027	.45833	.00055	108.97
43	AD439555	.00771	.00146	2.5593	1.2860	.00063	140.40
44	AD439653/PB	.02869	-.00089	.00876	.00078	.00111	.08038
45	AD439652/EBLK	.00516	.00226	.02288	.00139	.00071	.08414
46	AD439651/LCS	10.756	.22382	.23691	.20451	.21514	10.293
47	AD439648	.15129	.00029	.09939	.92969	.00101	H553.07
48	AD439648/L (1:5)	.05975	-.00009	.02581	.18647	.00072	122.34
49	AD439649/MS	11.153	.22995	.31254	1.0990	.21458	H543.36
50	AD439650/SD	11.143	.22812	.31255	1.1006	.21526	H541.67
51	AD439656/PB	.02736	-.00154	.00090	.00006	.00008	.03405
52	AD439655/FB	9.8348	.19675	.18919	.19783	.19869	10.141
53	AD439654	.04539	-.00156	.00947	.00084	.00037	.28552

Analysis Report Averages 08/03/04 08:07:37 AM page 5

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
54	AD439654/(1:5)	.05435	-.00190	.00721	.00128	.00015	.19080
55	AD439531/PB	.00176	-.00030	.00140	-.00001	.00006	-.00046
56	AD439530/EBLK	.05177	-.00007	.03819	H.02641	.00005	H.87710
57	AD439529/EBLK	.00669	.00266	.01953	.00116	.00011	.13143
58	AD439528/LCS	9.6353	.19880	.21999	.21061	.19045	10.401
59	AD439527/LCS	10.000	.20733	.20978	.19402	.19690	10.038
60	AD439514	.09265	.00314	.05697	.09340	.00019	2.7150
61	AD439514/L (1:5)	.02779	-.00135	.01176	.01897	.00003	.56460
62	AD439515/MS	10.218	.21089	.24478	.28451	.19791	12.601
63	AD439516/SD	10.245	.21199	.24537	.28410	.19788	12.585
64	AD439517	.76680	.00391	.18163	.50218	.00047	H555.34
65	AD439518	.05974	.00047	.39108	1.3171	.00010	65.739
66	AD439518/L (1:5)	.01962	-.00033	.07718	.27094	-.00003	13.593
67	AD439519/MS	9.8913	.19988	.55103	1.4725	.19331	72.991
68	AD439520/SD	9.4892	.19445	.53012	1.4139	.18503	69.943
69	AD439521	.21603	.00117	.05088	.51979	.00008	43.770
70	AD439521/L (1:5)	.05095	-.00152	.01067	.11218	.00021	9.4933
71	AD439522/MS	9.2760	.18494	.21839	.66003	.18038	49.995
72	AD439523/SD	9.6386	.19244	.22664	.68378	.18733	51.777
73	AD439524	213.14	.58432	.12353	.28438	.02318	H301.83
74	AD439524/L (1:5)	45.756	.12289	.02697	.06164	.00492	69.938
75	AD439525/MS	205.38	.69948	.27045	.34741	.18480	289.94
76	AD439526/SD	206.24	.70247	.26923	.38964	.18567	289.55
77	AD439365/PB	.06063	-.00113	.00177	.00016	.00015	.12309
78	AD439364/CLPSL	57.216	.95906	.44960	2.9791	1.1944	30.477
79	AD439355	52.562	.06570	.04974	.40050	.00471	78.738
80	AD439355/L (1:5)	11.172	.01270	.00996	.08375	.00095	16.576
81	AD439355/PS	62.198	.25896	.24406	.58944	.20218	87.324
82	AD439356/MD	53.511	.07216	.04973	.41507	.00405	91.267
83	AD439357/MS	55.205	.10317	.05491	2.1916	.04964	93.329
84	AD439358/SD	53.579	.10042	.05478	2.1909	.04991	86.448
85	AD439359	65.762	.07258	.05758	.75741	.00376	67.920
86	AD439360	89.640	.08817	.06606	.96956	.00554	100.28
87	AD439361	104.69	.10557	.05413	1.0681	.00554	49.014
88	AD439362	74.247	.06729	.06254	.84360	.00429	67.758
89	AD439363	77.792	.05053	.09616	.73001	.00378	25.925
90	AD439414/PB	.04483	-.00138	.00067	.00053	-.00006	.08065
91	AD439413/CLPSL	56.961	.94474	.44368	3.0325	1.1654	30.302
92	AD439402	110.55	.38764	.02535	.80107	.00477	33.321
93	AD439402/L (1:5)	23.725	.08257	.00509	.17154	.00096	7.1693
94	AD439403/MS	111.64	.63209	.16735	.93634	.17500	46.002
95	AD439404/SD	102.23	.66434	.17564	.85014	.18181	48.977
96	AD439405	50.416	.11005	.02797	.45046	.00205	215.25
97	AD439406	80.357	.23838	.02256	.51049	.00325	19.016
98	AD439407	101.21	.55334	.02299	.73622	.00420	23.874
99	AD439408	107.71	.46868	.02423	.79961	.00423	55.085
100	AD439409	71.308	.20771	.02836	.48533	.00282	29.506
101	AD439410	93.595	.42686	.02269	.67464	.00406	23.546
102	AD439411	93.141	.48215	.02271	.66468	.00386	23.983
103	AD439412	80.566	.04160	.03166	.68193	.00352	65.587
104	AD439063/PB	.05472	.00059	.00103	.00047	-.00001	.05682
105	AD439062/CLPSL	56.287	.96569	.44349	2.9929	1.1851	30.122
106	AD439049	90.197	.05705	.06569	1.2168	.00485	196.09
107	AD439049/L (1:5)	20.528	.01127	.01612	.26090	.00106	42.697

Analysis Report Averages 08/03/04 08:07:37 AM page 6

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
108	AD439050/MS	109.40	.23040	.22424	6.4514	.18232	182.50
109	AD439051/SD	110.16	.23352	.22638	1.4461	.18568	H338.73
110	AD439052	107.21	.04382	.08626	.87606	.00542	275.26
111	AD439053	79.843	.06121	.07831	.74961	.00432	99.054
112	AD439054	127.13	.03706	.11301	.93243	.00591	H411.18
113	AD439055	123.18	.05973	.06722	1.0369	.00603	209.90
114	AD439056	30.315	.08146	.09602	.49514	.00233	175.22
115	AD439057	44.170	.12571	.11607	.83026	.00230	169.44
116	AD439058	92.019	.04868	.05615	.98889	.00411	89.721
117	AD439059	85.112	.03451	.03998	.56908	.00390	43.533
118	AD439060	36.938	.02136	.17065	.43989	.00227	203.01
119	AD439061	87.424	.03598	.04759	.60393	.00370	171.90
120	AD439401/PB	.00667	-.00214	.00238	.00018	-.00007	.03138
121	AD439400/CLPSL	56.273	.96328	.43932	3.0399	1.1856	30.009
122	AD439379	78.190	.03497	.05875	.57786	.00473	10.774
123	AD439379/L (1:5)	16.980	.00509	.01372	.12467	.00105	2.3007
124	AD439380/MS	89.137	.21517	.22327	.76059	.18594	37.393
125	AD439381/SD	90.524	.22879	.19998	.75513	.18541	22.485
126	AD439382	44.962	.06843	.28910	.27547	.01390	H645.91
127	AD439383	91.054	.09870	.07459	.68961	.00541	H559.52
128	AD439384	106.41	.07240	.07914	3.2614	.00620	139.97
129	AD439385	48.878	.09441	.20413	.53721	.01555	H313.78
130	AD439386	102.54	.06253	.05847	.90107	.00466	29.383
131	AD439387	16.640	.02284	.03582	.06500	.00118	H758.50
132	AD439388	97.038	.06211	.21485	1.1733	.01471	H390.98
133	AD439389	35.296	.04007	.01942	.42553	.00277	H312.83
134	AD439390	81.121	.10044	.00812	.82968	.01565	10.765
135	AD439391	82.885	.06868	.01638	.22718	.01960	14.918
136	AD439392	74.630	.07668	.01269	.92699	.00701	42.850
137	AD439393	88.807	.13903	.00550	1.2233	.01069	13.937
138	AD439394	81.525	.09874	.00924	2.2044	.01970	63.791
139	AD439395	77.557	.12094	.00847	.88673	.00871	16.834
140	AD439396	115.41	.30053	.00013	H12.448	.01657	8.8209
141	AD439397	74.232	.03876	.01779	.09520	.01299	22.493
142	A4716302	5.0586	.01083	.00634	.54887	.00000	17.018
143	AD439558	65.851	.05798	.02285	.51454	.00288	17.029
144	AD439378/PB	.02484	-.00270	.00184	.00028	-.00004	.04645
145	AD439377/CLPSL	53.104	.93919	.41651	2.9221	1.1431	29.016
146	AD439366	58.554	.04023	.07986	.62569	.00367	H722.80
147	AD439366/L (1:5)	12.554	.00725	.01624	.13129	.00080	173.84
148	AD439366/PS	64.022	.22310	.25326	.77545	.18680	H688.72
149	AD439367/MD	54.810	.04279	.07200	.71849	.00324	H793.82
150	AD439368/MS	65.845	.08817	.07817	2.6185	.04729	H670.76
151	AD439369/SD	65.216	.08350	.06954	2.6577	.04822	H510.22
152	AD439370	34.525	.01547	.05676	.21242	.00201	H780.44
153	AD439371	40.173	.03604	.07164	.53694	.00224	H662.36
154	AD439372	46.059	.01452	.06168	.30121	.00220	H641.52
155	AD439373	34.355	.01212	.04956	.33968	.00163	H535.13
156	AD439374	88.497	.04217	.08854	.69021	.00441	H489.72
157	AD439375	107.86	.04814	.06758	.76189	.00501	H335.60
158	AD439376	87.384	.03049	.07368	.61875	.00430	H711.86
159	AD438323/(1:5)	.10873	-.00305	.00309	.00777	-.00017	15.239
160	A4685802	.06748	-.00246	.01748	.03535	-.00006	74.366

Analysis Report Averages 08/03/04 08:07:37 AM page 7

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
1	S	.04295	.00032	.05656	1.1227	.35526	.00294
2	AD439065/(1:10)	-.00005	.00124	.00113	.00082	6.7450	15.814
3	AD438537/(1:5)	-.00010	-.00011	-.00008	.00019	.99219	.45902
4	AD438542/(1:5)	-.00013	.00076	.00056	.00093	.95703	3.5024
5	AD438543/(1:50)	-.00016	-.00018	-.00022	.00030	.35516	.14662
6	AD438544/(1:10)	.00038	.00944	.05591	.01099	68.937	11.609
7	AD438545/(1:50)	-.00001	.00124	.00290	.00161	.20522	13.518
8	AD438546/(1:10)	.00033	.00521	.01588	.02292	21.879	23.246
9	AD438547/(1:50)	-.00012	.00027	.00088	.00177	.31450	8.2809
10	AD438548/(1:50)	-.00006	.00022	.00034	.00175	.48697	3.5476
11	AD438549/(1:50)	-.00007	.00044	.00039	.00170	.62926	8.6203
12	AD438550/(1:50)	-.00008	.00193	.00406	.00207	.17579	19.486
13	AD438551/(1:5)	-.00005	-.00022	.00079	.00158	.32243	1.0366
14	AD438552/(1:5)	.00000	-.00003	.00019	.00197	.33239	1.6212
15	AD438553/(1:5)	.00006	-.00020	.00010	.00172	.88335	1.4005
16	AD438554/(1:5)	-.00011	-.00023	.00017	.00209	.22334	.87784
17	AD438555/(1:5)	-.00002	.00011	-.00003	.00239	.09172	4.4168
18	AD438869/(1:5)	.00000	-.00027	.00041	.00206	-.00322	.18474
19	AD438853	.00008	-.00042	-.00015	.01362	.05162	.30837
20	A4665103	.00016	.00053	-.00052	.01429	.05397	.37267
21	AD438854	-.00001	.00029	.00043	.10097	.39697	.61810
22	A4665104	.00001	.00080	.00003	.10297	.39567	.69765
23	AD438856	-.00005	.00152	-.00035	.00198	5.3967	.79720
24	A4665106	-.00012	.00227	-.00025	.00216	5.6169	.94439
25	AD438858	.00006	.00812	.00000	.00487	1.4679	.74586
26	A4665108	.00016	.00858	-.00043	.00471	1.4568	.83312
27	AD439549/PB	.00000	.00009	-.00033	.00270	.00757	.01806
28	AD439548/FB	.20811	.21237	.20504	.21117	.43762	10.471
29	AD439544	.00141	.00989	.03330	.01875	58.526	H211.33
30	AD439544/L (1:5)	.00017	.00155	.00625	.00558	11.871	44.311
31	AD439545/MS	.20307	.22285	.24106	.23884	61.356	H227.69
32	AD439546/SD	.20304	.22454	.24313	.23976	64.648	H230.02
33	AD439547	.00139	.00608	.04804	.04285	21.913	7.0416
34	AD439647	.16514	.13596	1.1185	11.408	H521.50	77.284
35	AD439557/PB	.00006	.00000	-.00018	.00454	H.05756	.00720
36	AD439556/FB	.20743	.21789	.20959	.21213	H.47005	10.951
37	AD439550	.00013	.00573	.00029	.00523	14.330	77.237
38	AD439550/L (1:5)	.00015	.00104	.00025	.00454	2.9283	15.585
39	AD439551/MS	.20323	.22396	.21125	.21480	15.124	88.817
40	AD439552/SD	.20390	.22504	.21249	.21609	15.331	90.016
41	AD439553	.00004	.00526	.00013	.00494	7.7744	47.357
42	AD439554	.00001	.00309	-.00049	.00506	7.9663	43.777
43	AD439555	.00001	.00540	.00012	.00579	7.0021	48.551
44	AD439653/PB	.00075	.00046	.00050	.00528	.03744	.04289
45	AD439652/EBLK	.00019	-.00025	.00037	.00508	.04058	H1.3205
46	AD439651/LCS	.21749	.23267	.22084	.21927	.51982	18.091
47	AD439648	.05493	.00000	.00143	.01087	.05581	3.7261
48	AD439648/L (1:5)	.01136	-.00008	.00032	.00598	.01500	.56823
49	AD439649/MS	.26398	.22772	.21965	.23076	.53285	20.725
50	AD439650/SD	.26370	.22905	.22106	.23086	.53556	20.953
51	AD439656/PB	-.00007	.00008	-.00027	.00010	.00931	.02690
52	AD439655/FB	.19783	.19781	.19344	.19986	.42807	10.024
53	AD439654	-.00002	.00041	.00144	.00254	.02427	.04035

Analysis Report Averages 08/03/04 08:07:37 AM page 8

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
54	AD439654/(1:5)	.00000	.00001	.00058	.00062	.01112	.02908
55	AD439531/PB	.00004	-.00030	-.00046	-.00017	.01081	.01144
56	AD439530/EBLK	.00007	-.00032	.00026	.00314	H.05478	H1.3188
57	AD439529/EBLK	-.00006	-.00010	.00029	.00053	.01485	H1.2250
58	AD439528/LCS	.19268	.19300	.18852	.20260	.43914	H15.497
59	AD439527/LCS	.20006	.19899	.19415	.20567	.42342	H15.998
60	AD439514	.00719	-.00006	.00261	.04466	.08304	2.3468
61	AD439514/L (1:5)	.00133	-.00001	.00082	.00963	.01961	.38286
62	AD439515/MS	.20717	.20157	.19861	.25379	.48797	17.358
63	AD439516/SD	.20677	.20082	.19944	.25399	.48647	17.445
64	AD439517	.00103	.00923	-.00008	.00484	.57044	5.7778
65	AD439518	.19921	.00758	.00966	2.2436	9.2307	9.4804
66	AD439518/L (1:5)	.04080	.00148	.00171	.45084	1.8679	1.4956
67	AD439519/MS	.38153	.20032	.19804	2.3855	9.0921	23.051
68	AD439520/SD	.36564	.19133	.18935	2.2932	8.6964	22.253
69	AD439521	.00113	.00068	.00412	.06959	2.2243	1.9009
70	AD439521/L (1:5)	.00017	-.00013	.00068	.01536	.47539	.31670
71	AD439522/MS	.18096	.18054	.18061	.25215	2.4337	15.082
72	AD439523/SD	.18746	.18742	.18755	.26059	2.5147	15.568
73	AD439524	.29363	2.5236	3.0112	20.647	470.41	44.314
74	AD439524/L (1:5)	.06510	.55371	.65757	4.2421	103.83	7.6344
75	AD439525/MS	.43278	2.4919	2.9390	19.211	433.49	52.225
76	AD439526/SD	.43301	2.5219	2.9668	19.235	440.21	52.452
77	AD439365/PB	.00008	.00068	.00019	.00582	H.13954	.05966
78	AD439364/CLPSL	.87980	1.2141	1.4589	1.0864	88.035	17.843
79	AD439355	.00431	.14771	4.8093	.42386	152.07	7.1979
80	AD439355/L (1:5)	.00080	.03098	1.0048	.08774	31.933	1.5758
81	AD439355/PS	.19117	.34245	4.9485	.63088	150.82	17.379
82	AD439356/MD	.00236	.12560	3.1571	.48001	136.57	7.2066
83	AD439357/MS	.04505	.59185	3.7436	.68619	150.30	7.5531
84	AD439358/SD	.04509	.57570	3.9882	.69369	142.47	7.0648
85	AD439359	.00365	.11480	2.1579	.47626	157.54	8.8583
86	AD439360	.00426	.11847	1.3480	.47781	195.44	11.633
87	AD439361	.00636	.09810	.31492	.44527	259.17	13.563
88	AD439362	.00421	.13795	1.7217	.42917	174.10	8.5605
89	AD439363	.00213	.12337	1.7156	.39584	142.98	7.7203
90	AD439414/PB	-.00017	-.00046	.00059	.00074	H.08902	.07674
91	AD439413/CLPSL	.85690	1.1851	1.4299	1.0865	90.130	17.720
92	AD439402	.00051	.05561	.12169	.14183	147.58	11.030
93	AD439402/L (1:5)	-.00005	.01194	.02612	.02935	31.585	2.4619
94	AD439403/MS	.16756	.21742	.27916	.32345	129.11	18.867
95	AD439404/SD	.17445	.22251	.27448	.33234	116.61	18.270
96	AD439405	.00015	.03903	.06200	.07047	80.088	8.3310
97	AD439406	.00038	.05692	.08043	.09866	98.976	7.5547
98	AD439407	.00040	.07148	.10641	.16761	127.84	8.9644
99	AD439408	.00025	.05406	.11789	.17702	141.52	9.5798
100	AD439409	.00074	.04116	.09260	.12057	97.070	10.060
101	AD439410	.00096	.05112	.10593	.16923	137.65	9.4284
102	AD439411	.00078	.05202	.10396	.15699	125.92	11.569
103	AD439412	.00110	.04795	.08914	.12094	111.65	9.1662
104	AD439063/PB	-.00013	-.00025	-.00022	.00025	H.06531	.06005
105	AD439062/CLPSL	.88570	1.1953	1.4539	1.1006	87.847	17.535
106	AD439049	.00620	.06618	.13039	.21883	141.81	17.016
107	AD439049/L (1:5)	.00134	.01463	.02932	.04557	30.986	4.2511

Analysis Report Averages 08/03/04 08:07:37 AM page 9

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
108	AD439050/MS	.18633	.26672	.32423	.40189	154.48	24.945
109	AD439051/SD	.17849	.24342	.49664	.42538	151.29	25.764
110	AD439052	.00238	.06910	.13472	.22621	158.28	19.063
111	AD439053	.00355	.06020	.11429	.26513	149.15	13.624
112	AD439054	.00121	.08586	.15263	.16671	173.77	21.818
113	AD439055	.00409	.10515	.15123	.23026	193.61	17.394
114	AD439056	.00449	.01877	.18406	.29482	51.357	10.453
115	AD439057	.00720	.03071	.22620	.47671	75.229	14.288
116	AD439058	.00411	.05675	.12776	.24222	147.95	14.096
117	AD439059	.00160	.04571	.11223	.10044	124.87	12.297
118	AD439060	.00337	.01846	.06979	.21994	52.365	32.477
119	AD439061	.00348	.04407	.10186	.15127	121.40	12.267
120	AD439401/PB	.00019	.00001	-.00031	.00060	.01602	.05850
121	AD439400/CLPSL	.88358	1.1975	1.4468	1.0963	89.757	17.603
122	AD439379	.00070	.08142	.08963	.10540	108.68	5.3005
123	AD439379/L (1:5)	.00011	.01758	.01941	.02214	23.096	1.2505
124	AD439380/MS	.17892	.25608	.27370	.31110	126.03	15.743
125	AD439381/SD	.17809	.26405	.26976	.30129	138.14	14.865
126	AD439382	.00213	.04896	.14427	.19980	124.58	8.7280
127	AD439383	.00154	.09257	.13019	.23691	188.24	14.350
128	AD439384	.00413	.10104	.23331	.29340	214.76	14.427
129	AD439385	-.00010	.05596	.11575	.42368	210.50	10.053
130	AD439386	-.00089	.06126	.15281	.14558	191.47	9.2373
131	AD439387	.00027	.01661	.04425	.04626	42.441	3.5274
132	AD439388	.00170	.07619	.13396	.18717	147.01	11.266
133	AD439389	.00030	.07947	.05053	.10216	84.409	4.4409
134	AD439390	.00014	.11767	.13286	.45882	211.84	5.8738
135	AD439391	.00138	.10323	.04921	.69223	173.85	7.4465
136	AD439392	-.00063	.09095	.12280	.15207	155.92	4.4835
137	AD439393	-.00054	.14040	.14828	.56662	262.86	5.0894
138	AD439394	.01463	.24658	.03726	.78779	177.25	6.3236
139	AD439395	-.00123	.08569	.17348	.17770	191.13	3.9941
140	AD439396	.00749	.99135	.12869	.66425	H507.01	6.1901
141	AD439397	.00034	.04775	.09590	.70936	127.72	7.6023
142	A4716302	.00070	.00464	.05831	1.0833	81.369	.86137
143	AD439558	-.00045	.05992	.08725	.11450	137.58	6.6824
144	AD439378/PB	.00008	.00012	.00011	.00009	.02526	.05390
145	AD439377/CLPSL	.85853	1.1365	1.3700	1.0557	82.539	16.848
146	AD439366	.00532	.03632	.07882	1.2709	90.204	11.615
147	AD439366/L (1:5)	.00111	.00812	.01667	.25439	19.238	2.4941
148	AD439366/PS	.17663	.20785	.24962	1.3965	84.426	21.451
149	AD439367/MD	.00836	.03784	.08735	1.5925	96.736	11.016
150	AD439368/MS	.04502	.46288	.24445	2.7198	122.32	11.466
151	AD439369/SD	.04742	.46437	.26397	1.8236	109.35	12.503
152	AD439370	.00045	.02597	.04505	.17114	63.866	10.031
153	AD439371	.00274	.02916	.29348	1.3572	102.87	9.9277
154	AD439372	-.00022	.02976	.05785	.08683	77.578	11.014
155	AD439373	.00014	.02424	.05913	.11369	65.885	9.1649
156	AD439374	-.00093	.07735	.11722	.17359	148.80	22.146
157	AD439375	-.00131	.08552	.12465	.13077	192.55	16.886
158	AD439376	-.00043	.05945	.10786	.12752	132.54	18.292
159	AD438323/(1:5)	.00004	.00013	-.00020	-.00141	.18032	.29957
160	A4685802	.00011	.00087	-.00068	-.00127	.44134	1.6555

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
1	S	.04296	.60852	.13874	-.03565	.45082	.03417
2	AD439065/(1:10)	12.466	.12186	.00121	64.201	.00417	.00293
3	AD438537/(1:5)	8.3933	.01000	.02434	22.727	.00034	.00073
4	AD438542/(1:5)	4.1642	.01193	.02929	38.357	.00445	.00171
5	AD438543/(1:50)	3.5450	.00609	.00244	16.195	.00000	.00190
6	AD438544/(1:10)	9.7380	.10649	.00630	53.000	.04093	.01218
7	AD438545/(1:50)	2.7807	.00827	.00261	38.006	.01297	.00174
8	AD438546/(1:10)	10.093	.09972	.00494	61.732	.03198	.01073
9	AD438547/(1:50)	1.8974	.01288	.00120	25.052	.00550	.00103
10	AD438548/(1:50)	4.4334	.00455	.00096	6.9630	.00054	.00171
11	AD438549/(1:50)	3.1184	.07524	.00201	16.959	.00207	.00321
12	AD438550/(1:50)	4.8811	.00503	.00179	53.711	.01350	.00171
13	AD438551/(1:5)	11.689	.06718	.00438	33.520	.00052	.00185
14	AD438552/(1:5)	4.9268	.00880	.02845	71.855	.00113	.00154
15	AD438553/(1:5)	8.0340	.01201	.02993	86.279	.00089	.00136
16	AD438554/(1:5)	4.4937	.00807	.00288	24.144	.00056	.00264
17	AD438555/(1:5)	23.317	.01669	.00164	99.295	.00334	.00005
18	AD438869/(1:5)	14.583	.00320	.00088	29.018	.00920	.00206
19	AD438853	.47863	.00700	.00041	4.7885	.00058	.00379
20	A4665103	.48571	.00717	.00033	4.9584	.00210	-.00158
21	AD438854	1.2270	.01878	.00091	6.6387	.00124	-.00038
22	A4665104	1.2775	.01919	.00027	6.8942	.00168	-.00091
23	AD438856	1.7712	.12675	.00013	4.4768	.00251	-.00041
24	A4665106	1.8610	.13046	.00037	4.7120	.00378	-.00040
25	AD438858	2.8143	.31310	.00061	17.193	.00785	.00083
26	A4665108	2.8540	.31449	.00079	17.704	.00864	.00092
27	AD439549/PB	.02445	.00035	.00019	.13438	.00025	-.00022
28	AD439548/FB	10.381	.21599	.21227	10.123	.20515	.21502
29	AD439544	H232.08	.98616	.02284	H1041.6	.20978	.00344
30	AD439544/L (1:5)	44.287	.19837	.00520	H178.52	.04296	.00083
31	AD439545/MS	H252.11	1.2450	.24126	H1089.1	.41116	.21723
32	AD439546/SD	H254.01	1.2602	.24354	H1098.5	.41519	.21666
33	AD439547	16.257	.46686	.01498	56.511	.02466	.02302
34	AD439647	67.497	H30.785	.11085	64.799	.23867	1.5084
35	AD439557/PB	.01976	H.00351	.00007	.02339	.00043	-.00087
36	AD439556/FB	10.448	.22300	.21467	10.373	.20281	.21888
37	AD439550	75.403	.05549	.00869	H204.26	.01035	.00030
38	AD439550/L (1:5)	15.028	.01136	.00173	37.119	.00239	.00037
39	AD439551/MS	88.082	.28199	.22534	H220.73	.20744	.21792
40	AD439552/SD	89.010	.28438	.22757	H223.26	.20835	.21781
41	AD439553	52.778	.03992	.00385	H129.96	.00518	-.00035
42	AD439554	56.485	.03451	.01190	H108.21	.00378	.00199
43	AD439555	56.187	.04317	.00505	H131.83	.00544	-.00112
44	AD439653/PB	.03990	.00075	.00254	.16642	.00162	.00121
45	AD439652/EBLK	.01240	.00087	.00098	H2006.0	.00069	-.00068
46	AD439651/LCS	10.817	.23698	.23173	H1999.2	.20655	.23880
47	AD439648	43.026	.15786	.00317	H1993.0	.00856	-.00018
48	AD439648/L (1:5)	8.7034	.03164	.00161	H353.16	.00291	-.00072
49	AD439649/MS	52.247	.38642	.23347	H1932.9	.21023	.23426
50	AD439650/SD	52.433	.38888	.23454	H1940.1	.20939	.23766
51	AD439656/PB	.01705	.00018	.00044	-.10498	.00019	-.00061
52	AD439655/FB	9.9078	.20031	.19631	9.6501	.19448	.20266
53	AD439654	.05444	.00286	.00113	1.5811	.00084	2.7762

Analysis Report Averages 08/03/04 08:07:37 AM page 11

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
54	AD439654/(1:5)	.01034	.00059	-.00035	.37032	.00012	.49473
55	AD439531/PB	.00042	.00009	-.00054	.03819	.00123	-.00010
56	AD439530/EBLK	.16036	.00192	-.00035	H1800.3	.00118	.00131
57	AD439529/EBLK	.02534	.00031	.00019	H1856.5	.00063	.00229
58	AD439528/LCS	9.5351	.19826	.19447	H1762.8	.18445	.19887
59	AD439527/LCS	9.7275	.20209	.20041	H1837.3	.19181	.20364
60	AD439514	.57683	.03065	.00146	H1907.5	.00526	.00320
61	AD439514/L (1:5)	.12362	.00630	.00068	H344.95	.00105	-.00008
62	AD439515/MS	10.365	.23432	.20225	H1877.2	.19944	.20679
63	AD439516/SD	10.348	.23443	.20210	H1882.8	.19781	.20680
64	AD439517	24.435	2.0179	.00433	H1800.7	.01889	.00042
65	AD439518	1.4881	.39402	.04280	H1888.7	.12831	.73299
66	AD439518/L (1:5)	.30315	.07930	.00824	H342.10	.02609	.14866
67	AD439519/MS	10.800	.56912	.23516	H1815.6	.30927	.89432
68	AD439520/SD	10.339	.54461	.22608	H1745.8	.29599	.85354
69	AD439521	14.391	.11798	.00263	H1815.4	.10022	.04266
70	AD439521/L (1:5)	3.0933	.02499	.00012	H341.75	.02182	.01247
71	AD439522/MS	22.300	.29122	.18482	H1688.4	.26801	.22184
72	AD439523/SD	23.137	.30310	.19120	H1746.1	.27642	.22802
73	AD439524	86.619	H25.000	.28730	H2899.2	H241.98	.43256
74	AD439524/L (1:5)	18.854	5.6905	.06199	H580.58	H55.674	.09310
75	AD439525/MS	88.572	H23.387	.41161	H2730.7	H228.88	.54442
76	AD439526/SD	89.059	H23.705	.41628	H2750.7	H228.06	.55433
77	AD439365/PB	.02758	H.00790	.00027	.88928	.07318	.00240
78	AD439364/CLPSL	17.881	4.8801	.40712	3.9279	1.1869	.91825
79	AD439355	22.084	2.2422	3.6560	1.7950	3.4606	.34240
80	AD439355/L (1:5)	4.5988	.46890	.76705	.45376	.72595	.07407
81	AD439355/PS	31.692	2.4152	3.7984	11.618	3.5802	.53416
82	AD439356/MD	27.405	2.4882	.54619	1.7612	3.1579	.38284
83	AD439357/MS	21.622	2.9722	.76498	1.8064	3.7257	.40952
84	AD439358/SD	21.751	2.8470	.66935	1.8584	4.1184	.35226
85	AD439359	23.742	7.3260	.29258	1.5172	2.1255	.43085
86	AD439360	35.090	5.9335	.21643	1.2124	1.3383	.74559
87	AD439361	30.683	5.1084	.07193	.90127	.34911	2.0029
88	AD439362	28.497	9.0009	.41608	1.4618	1.9042	.41544
89	AD439363	20.012	1.9018	.51175	1.2074	1.6045	.45760
90	AD439414/PB	.01273	.00243	.00123	.12661	.00094	.00368
91	AD439413/CLPSL	18.020	4.7462	.39921	3.8720	1.1426	.98599
92	AD439402	26.863	3.1556	.00190	.74442	.11254	1.2786
93	AD439402/L (1:5)	5.7166	.67494	.00030	.17794	.02476	.27511
94	AD439403/MS	35.264	3.0508	.16115	9.3935	.27276	1.5573
95	AD439404/SD	35.088	3.4666	.16893	9.7364	.27354	1.7454
96	AD439405	42.470	3.2170	.00154	.99399	.07464	.37226
97	AD439406	18.560	3.8870	.00139	.41175	.08066	.72166
98	AD439407	22.013	4.9980	.00141	.82697	.09832	1.7763
99	AD439408	31.505	3.1637	.00172	.57278	.10926	1.6377
100	AD439409	19.662	2.5382	.00099	.40673	.09641	1.0955
101	AD439410	21.774	3.1125	.00172	.57199	.10035	1.5709
102	AD439411	22.844	3.1007	.00205	.60546	.09759	1.4611
103	AD439412	27.927	3.3562	.00215	.61451	.09368	.27041
104	AD439063/PB	.01301	.00217	-.00044	.01613	.00045	.00233
105	AD439062/CLPSL	17.702	4.7670	.39781	3.8510	1.1584	.91206
106	AD439049	54.927	3.5229	.00463	1.0368	.13879	2.9223
107	AD439049/L (1:5)	11.659	.75921	.00016	.28996	.02984	.62897

Analysis Report Averages 08/03/04 08:07:37 AM page 12

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
108	AD439050/MS	63.221	3.9397	.16086	10.447	.31448	12.704
109	AD439051/SD	72.958	4.4191	.17227	10.566	.32106	3.7195
110	AD439052	83.149	4.0884	.00487	1.1953	.15658	.71698
111	AD439053	39.636	3.5889	.00665	.62288	.15797	1.0916
112	AD439054	H131.82	4.7988	.00236	1.6172	.19087	.26341
113	AD439055	73.647	8.7080	.00378	1.0187	.19117	.78580
114	AD439056	25.691	2.0589	.00427	.40484	.05693	.47401
115	AD439057	28.976	2.2266	.00391	.72399	.08993	1.9710
116	AD439058	44.895	2.5516	.00507	.76345	.13689	2.0602
117	AD439059	19.022	2.4210	.00513	.71934	.10388	.15027
118	AD439060	40.354	2.1271	.00431	5.6453	.04606	.20037
119	AD439061	33.123	3.0587	.00517	.88577	.09429	.27154
120	AD439401/PB	.00974	.00017	.00086	.01220	.00049	-.00087
121	AD439400/CLPSL	17.877	4.8141	.40551	3.5862	1.1607	.90583
122	AD439379	12.339	2.5065	.03372	2.4227	.10068	.10631
123	AD439379/L (1:5)	2.6381	.53043	.00702	.54147	.02181	.02402
124	AD439380/MS	26.340	3.5406	.19922	11.203	.34065	.30726
125	AD439381/SD	22.547	5.2872	.22677	11.229	.27591	.30421
126	AD439382	H142.48	2.3619	.09097	4.2420	.16199	.10146
127	AD439383	H111.84	3.5811	.08025	1.0692	.25224	.11939
128	AD439384	44.608	3.3399	.07145	.67874	.39751	.60023
129	AD439385	90.115	1.6569	.06988	3.0688	.19945	.16550
130	AD439386	20.328	2.1119	.03127	1.1605	.21689	.16308
131	AD439387	H241.29	1.6970	.00919	.72240	.05076	.02281
132	AD439388	H178.29	2.2754	.03657	3.8086	.25471	.26243
133	AD439389	67.168	4.0865	.01464	.63518	.12370	.12367
134	AD439390	12.711	8.7557	.05460	.71184	.47452	.16070
135	AD439391	7.2887	4.4943	.05897	.66185	1.4708	.12367
136	AD439392	21.567	5.8703	.02794	.66052	.12096	.19262
137	AD439393	14.311	17.409	.07982	.78389	.64929	.19928
138	AD439394	7.5519	H29.968	.07013	.59500	2.2176	.15694
139	AD439395	10.106	5.7954	.05418	.72654	.12537	.18193
140	AD439396	12.909	H93.722	.11812	.63731	.80257	1.4351
141	AD439397	9.6104	.66313	.02949	.73180	.73618	.12251
142	A4716302	1.9565	1.7462	.00524	.64635	.01527	.05132
143	AD439558	23.030	4.0866	.00135	1.3013	.15597	.06764
144	AD439378/PB	.01892	.00045	.00035	-.01889	.00013	-.00050
145	AD439377/CLPSL	16.554	4.5329	.38798	3.3067	1.1211	.86300
146	AD439366	H391.03	2.6145	.00605	2.6319	.12456	1.0538
147	AD439366/L (1:5)	76.090	.54925	.00156	.46879	.02729	.22539
148	AD439366/PS	H374.90	2.6188	.18716	12.496	.29282	1.1672
149	AD439367/MD	H272.47	3.7609	.00657	2.5040	.13779	1.4275
150	AD439368/MS	H201.77	3.8814	.01097	3.1560	.61635	1.3933
151	AD439369/SD	H220.33	3.3112	.00654	2.2589	.57341	1.7141
152	AD439370	H441.37	2.8119	.00428	1.4464	.05679	.08869
153	AD439371	H329.42	6.6219	.00558	1.7069	.10198	1.1698
154	AD439372	H309.42	3.2625	.00128	1.4663	.06492	.04722
155	AD439373	H228.48	2.1090	.00487	1.3576	.05244	.17638
156	AD439374	H197.45	4.1462	.00564	2.1158	.17097	.11380
157	AD439375	H126.34	4.6118	.00555	2.8166	.16479	.11159
158	AD439376	H153.27	3.6495	.00361	2.6005	.14048	.09285
159	AD438323/(1:5)	2.3582	.00720	.00044	36.826	.00069	-.00231
160	A4685802	11.673	.02516	.00244	H210.88	.00175	-.00152

Analysis Report Averages 08/03/04 08:07:37 AM page 13

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
1	S	.03609	.03545	.08889	.02175	.09103	.08783
2	AD439065/(1:10)	-.00110	.00023	-.00133	.00448	.00693	-.00546
3	AD438537/(1:5)	-.00233	-.00131	-.00164	.00124	.00042	-.00267
4	AD438542/(1:5)	.00013	.00066	-.00280	.00436	-.00079	-.00380
5	AD438543/(1:50)	-.00010	.00056	.00099	.00201	.00908	-.00305
6	AD438544/(1:10)	.01284	.01262	-.00171	.01060	.00099	-.00306
7	AD438545/(1:50)	-.00121	-.00022	-.00025	.00398	.00317	-.00197
8	AD438546/(1:10)	.01206	.01161	-.00229	.03118	-.00085	-.00301
9	AD438547/(1:50)	.00111	.00109	-.00441	.00276	-.00407	-.00458
10	AD438548/(1:50)	-.00064	.00013	-.00373	.00139	-.00565	-.00277
11	AD438549/(1:50)	-.00119	.00027	.00007	.00424	.00285	-.00131
12	AD438550/(1:50)	-.00109	-.00015	-.00190	.00173	.00104	-.00337
13	AD438551/(1:5)	-.00117	-.00016	-.00273	.00197	.00285	-.00552
14	AD438552/(1:5)	-.00076	.00000	-.00151	.00654	-.00084	-.00185
15	AD438553/(1:5)	-.00157	-.00059	-.00169	.00149	.00161	-.00335
16	AD438554/(1:5)	-.00037	.00063	-.00242	.00330	-.00305	-.00211
17	AD438555/(1:5)	.00075	.00052	-.00210	.00221	-.00060	-.00286
18	AD438869/(1:5)	-.00122	-.00013	-.00207	.00415	-.00069	-.00276
19	AD438853	-.00078	.00074	-.00269	.00322	-.00051	-.00378
20	A4665103	.00008	-.00047	-.00048	.00133	.00283	-.00219
21	AD438854	-.00031	-.00033	-.00211	.00233	.00139	-.00387
22	A4665104	-.00019	-.00043	-.00223	.00341	.00489	-.00579
23	AD438856	-.00079	-.00066	-.00139	.00374	-.00078	-.00170
24	A4665106	.00067	.00031	-.00101	.00417	.00937	-.00621
25	AD438858	.00211	.00169	-.00272	.00471	-.00324	-.00246
26	A4665108	.00039	.00057	-.00239	.00337	.00425	-.00572
27	AD439549/PB	.00085	.00049	-.00250	.00144	.00002	-.00377
28	AD439548/FB	.20960	.21140	.21568	.21293	.21606	.21549
29	AD439544	.00485	.00438	-.00132	.00682	.00217	-.00307
30	AD439544/L (1:5)	-.00064	-.00015	-.00042	.00383	.00420	-.00273
31	AD439545/MS	.20796	.21105	.22418	.22286	.22593	.22331
32	AD439546/SD	.20621	.20969	.21672	.22581	.22263	.21376
33	AD439547	.02333	.02323	.00169	.00209	.00410	.00048
34	AD439647	1.5245	1.5191	.07274	.06818	.08336	.06744
35	AD439557/PB	.00023	-.00013	-.00362	-.00011	-.00201	-.00442
36	AD439556/FB	.21147	.21394	.22035	.21404	.22643	.21732
37	AD439550	-.00256	-.00160	.00390	.00130	.00917	.00127
38	AD439550/L (1:5)	-.00087	-.00046	-.00277	.00419	.00061	-.00446
39	AD439551/MS	.20370	.20843	.22165	.21750	.22652	.21922
40	AD439552/SD	.20549	.20959	.22198	.21491	.22527	.22034
41	AD439553	-.00263	-.00187	.00092	.00140	.00408	-.00069
42	AD439554	-.00317	-.00145	-.00387	.00168	.00042	-.00601
43	AD439555	-.00039	-.00063	-.00129	-.00057	.00163	-.00275
44	AD439653/PB	.00017	.00052	-.00014	.00637	.00088	-.00065
45	AD439652/EBLK	-.00057	-.00059	.00056	.00281	.00383	-.00106
46	AD439651/LCS	.21761	.22466	.24089	.22517	.24742	.23764
47	AD439648	.00224	.00143	-.00295	.00181	-.00092	-.00397
48	AD439648/L (1:5)	-.00065	-.00067	-.00267	.00247	.00296	-.00549
49	AD439649/MS	.21677	.22259	.24217	.22918	.25400	.23625
50	AD439650/SD	.21468	.22233	.24321	.22731	.25522	.23721
51	AD439656/PB	-.00035	-.00044	-.00148	-.00177	-.00390	-.00027
52	AD439655/FB	.19925	.20039	.20660	.20208	.20583	.20700
53	AD439654	2.7611	2.7661	.00103	.00154	.00517	-.00103

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
54	AD439654/(1:5)	.49211	.49298	.00157	-.00155	-.00259	.00366
55	AD439531/PB	.00136	.00087	.00111	.00038	.00094	.00120
56	AD439530/EBLK	-.00015	.00033	.00322	-.00162	.00595	.00186
57	AD439529/EBLK	-.00336	-.00147	.00434	.00060	.00788	.00258
58	AD439528/LCS	.19330	.19515	.20587	.19635	.20180	.20791
59	AD439527/LCS	.19876	.20039	.21307	.20107	.21487	.21217
60	AD439514	.00411	.00381	.00536	.00956	.01077	.00265
61	AD439514/L (1:5)	-.00011	-.00010	.00153	.00197	.00363	.00048
62	AD439515/MS	.20491	.20553	.21589	.21665	.22488	.21140
63	AD439516/SD	.20575	.20610	.21449	.21538	.21190	.21579
64	AD439517	-.00098	-.00051	.00550	-.00125	.00518	.00566
65	AD439518	.71908	.72371	.00373	.02521	.00623	.00248
66	AD439518/L (1:5)	.14396	.14552	.00152	.00355	.00029	.00214
67	AD439519/MS	.88415	.88754	.20244	.22609	.20219	.20257
68	AD439520/SD	.84913	.85060	.19954	.21507	.19709	.20077
69	AD439521	.03994	.04084	.00241	.09729	.00487	.00118
70	AD439521/L (1:5)	.00867	.00994	.00180	.01972	.00175	.00183
71	AD439522/MS	.21842	.21956	.19400	.27137	.19235	.19483
72	AD439523/SD	.22579	.22653	.19770	.28427	.19663	.19825
73	AD439524	.34302	.37284	.00164	.09058	.00771	-.00138
74	AD439524/L (1:5)	.07377	.08021	.00206	.01709	.00244	.00187
75	AD439525/MS	.45853	.48713	.18240	.24464	.19210	.17755
76	AD439526/SD	.46415	.49418	.18014	.25083	.18426	.17808
77	AD439365/PB	-.00062	.00038	.00022	-.00062	.00256	-.00094
78	AD439364/CLPSL	.92549	.92308	1.5354	.42734	1.5160	1.5452
79	AD439355	.34685	.34537	.01694	.00322	.01187	.01948
80	AD439355/L (1:5)	.07289	.07328	.00351	.00013	.00239	.00407
81	AD439355/PS	.53624	.53555	.21020	.20004	.20142	.21459
82	AD439356/MD	.38486	.38419	.00830	.00354	.00522	.00983
83	AD439357/MS	.40614	.40726	.05738	.04545	.05276	.05969
84	AD439358/SD	.35152	.35177	.05420	.04998	.05480	.05390
85	AD439359	.43229	.43181	.01214	.00175	.01132	.01254
86	AD439360	.75386	.75111	.00996	.00078	.00852	.01068
87	AD439361	2.0071	2.0057	.00964	.00438	.01010	.00941
88	AD439362	.41751	.41682	.01232	-.00114	.01127	.01285
89	AD439363	.45648	.45685	.00896	.00173	.00482	.01103
90	AD439414/PB	-.00148	.00023	.00050	-.00112	-.00364	.00257
91	AD439413/CLPSL	.99204	.99003	1.5098	.43535	1.4902	1.51968
92	AD439402	1.3041	1.2956	.00074	-.00168	-.00040	.00131
93	AD439402/L (1:5)	.27898	.27769	-.00031	-.00069	.00034	-.00063
94	AD439403/MS	1.5790	1.5718	.17208	.05688	.17128	.17248
95	AD439404/SD	1.7816	1.7696	.17987	.06529	.17795	.18083
96	AD439405	.37628	.37494	.00354	-.00088	.00658	.00202
97	AD439406	.73319	.72935	.00438	-.00113	.00944	.00185
98	AD439407	1.7989	1.7913	.00328	.00074	.00133	.00426
99	AD439408	1.6594	1.6522	.00499	.00010	.00082	.00707
100	AD439409	1.1121	1.1065	.00469	.00288	.00726	.00341
101	AD439410	1.5739	1.5729	.00230	.00004	-.00018	.00355
102	AD439411	1.4792	1.4732	.00724	-.00038	.00891	.00640
103	AD439412	.27761	.27521	.00219	.00075	.00085	.00287
104	AD439063/PB	-.00030	.00057	-.00010	.00129	-.00117	.00042
105	AD439062/CLPSL	.92662	.92177	1.5323	.38305	1.5096	1.5437
106	AD439049	2.9712	2.9549	.00107	.00208	-.00240	.00280
107	AD439049/L (1:5)	.63211	.63107	.00285	-.00162	.00175	.00339

Analysis Report Averages 08/03/04 08:07:37 AM page 15

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
108	AD439050/MS	12.650	12.668	.18534	.05354	.18661	.18470
109	AD439051/SD	3.7301	3.7266	.18383	.06474	.18074	.18538
110	AD439052	.73075	.72616	.00497	.00062	.00588	.00452
111	AD439053	1.1221	1.1120	.00905	.00265	.00917	.00899
112	AD439054	.27888	.27373	.00103	-.00019	-.00204	.00256
113	AD439055	.79488	.79186	.00667	.00005	.01042	.00480
114	AD439056	.48061	.47841	.00399	-.00024	.00333	.00432
115	AD439057	2.0008	1.9909	.00521	.00137	.00441	.00560
116	AD439058	2.0886	2.0792	.00624	-.00002	.00410	.00730
117	AD439059	.15855	.15579	.00399	.00023	.00054	.00571
118	AD439060	.20404	.20282	.00271	-.00055	.00648	.00083
119	AD439061	.27646	.27483	.00424	-.00075	.00466	.00403
120	AD439401/PB	.00180	.00090	-.00274	-.00233	-.00349	-.00236
121	AD439400/CLPSL	.91375	.91111	1.5423	.38093	1.5216	1.5526
122	AD439379	.11165	.10987	.00093	-.00292	.00363	-.00041
123	AD439379/L (1:5)	.02520	.02481	.00088	-.00131	.00215	.00025
124	AD439380/MS	.30845	.30806	.17990	.05467	.18031	.17970
125	AD439381/SD	.30788	.30666	.18377	.05930	.18373	.18379
126	AD439382	.10305	.10252	-.00134	-.00036	.00078	-.00241
127	AD439383	.12043	.12009	-.00222	-.00065	.00202	-.00435
128	AD439384	.61055	.60711	-.00108	.00070	.00156	-.00241
129	AD439385	.17179	.16969	.00083	.00026	.00144	.00053
130	AD439386	.17186	.16894	.00197	.00031	.00232	.00180
131	AD439387	.02406	.02365	-.00507	-.00116	-.00428	-.00546
132	AD439388	.27091	.26809	-.00237	-.00221	-.00208	-.00252
133	AD439389	.13017	.12800	-.00148	-.00002	-.00078	-.00183
134	AD439390	.16429	.16309	-.00063	.00145	.00299	-.00245
135	AD439391	.12714	.12599	-.00111	-.00060	.00366	-.00350
136	AD439392	.19818	.19633	.00344	.00089	.00561	.00236
137	AD439393	.20571	.20356	.00108	-.00072	.00530	-.00101
138	AD439394	.16075	.15948	.01356	-.00056	.02449	.00810
139	AD439395	.18933	.18686	.00199	.00279	.00536	.00030
140	AD439396	1.4520	1.4464	.06259	.00769	.07196	.05791
141	AD439397	.12885	.12674	-.00553	.00002	-.00438	-.00610
142	A4716302	.05412	.05319	.00388	.00141	.00357	.00403
143	AD439558	.07155	.07025	-.00090	-.00288	-.00206	-.00032
144	AD439378/PB	.00156	.00087	-.00184	-.00108	-.00496	-.00028
145	AD439377/CLPSL	.87938	.87393	1.4800	.39323	1.4556	1.49215
146	AD439366	1.0758	1.0685	-.00151	.00083	.00657	-.00556
147	AD439366/L (1:5)	.23339	.23072	-.00103	.00197	-.00126	-.00092
148	AD439366/PS	1.1940	1.1851	.18384	.18678	.18700	.18226
149	AD439367/MD	1.4609	1.4498	-.00362	.00040	.00047	-.00567
150	AD439368/MS	1.4313	1.4186	.03735	.03392	.04301	.034522
151	AD439369/SD	1.7509	1.7387	.04059	.03400	.04085	.040463
152	AD439370	.09135	.09046	-.00486	-.00307	-.00437	-.00510
153	AD439371	1.1867	1.1811	-.00269	-.00053	.00171	-.00489
154	AD439372	.04955	.04877	-.00381	-.00244	-.00368	-.00388
155	AD439373	.18472	.18194	-.00530	-.00161	-.00714	-.00438
156	AD439374	.12307	.11998	-.00690	-.00300	-.00283	-.00893
157	AD439375	.12359	.11959	-.00478	.00018	.00607	-.01021
158	AD439376	.09624	.09511	-.00906	-.00065	-.00776	-.00972
159	AD438323/(1:5)	.00091	-.00016	-.00124	-.00062	-.00133	-.00120
160	A4685802	.00027	-.00032	-.00047	-.00180	.00593	-.00367

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
1	S	-.00048	.01014	.65907	.72970	.00125	.23877
2	AD439065/(1:10)	.00566	-.00019	.00273	.00479	.00100	-.00013
3	AD438537/(1:5)	.00059	.00082	.00000	.00169	.00024	-.00043
4	AD438542/(1:5)	.00417	-.00253	.00127	.00292	.00243	.00002
5	AD438543/(1:50)	.00035	.00322	-.00009	.00079	.00140	.00009
6	AD438544/(1:10)	.14104	.00037	.01054	.13782	.02811	.00017
7	AD438545/(1:50)	.00330	.00073	.00083	.00772	.00377	.00064
8	AD438546/(1:10)	.10363	-.00096	.01655	.39631	.01192	-.00032
9	AD438547/(1:50)	.00105	-.00156	.00101	.00202	.00106	-.00004
10	AD438548/(1:50)	.00048	.00321	-.00020	.00062	.00156	.00005
11	AD438549/(1:50)	.00071	.00132	.00001	.00039	.00156	.00000
12	AD438550/(1:50)	.00265	.00119	.00089	.02255	.00165	.00009
13	AD438551/(1:5)	.00094	.00101	.00040	.00266	.00171	.00057
14	AD438552/(1:5)	.00032	.00146	.00047	.00224	.00234	.00010
15	AD438553/(1:5)	.00051	-.00006	.00003	.00100	.00009	.00069
16	AD438554/(1:5)	.00340	-.00046	.00030	.00147	.00076	-.00019
17	AD438555/(1:5)	.00056	.00253	.00002	.00769	.00023	-.00059
18	AD438869/(1:5)	.00047	.00202	-.00002	.00029	.00080	.00001
19	AD438853	.00120	.00095	-.00002	.01327	.00153	.00010
20	A4665103	.00015	.00194	.00020	.00894	.00240	-.00028
21	AD438854	.00060	-.00080	.00040	.06104	.00126	.00023
22	A4665104	-.00025	.00449	.00031	.06313	.00096	.00051
23	AD438856	.00039	-.00029	-.00023	.00238	.00006	.00019
24	A4665106	-.00027	.00032	.00011	.00182	.00244	.00009
25	AD438858	.00122	.00101	.00099	.02828	.00157	.00015
26	A4665108	.00041	.00121	.00001	.03088	.00281	-.00013
27	AD439549/PB	.00015	.00039	-.00007	.00063	.00145	-.00016
28	AD439548/FB	.20550	.21017	.20605	.20789	.18884	.05178
29	AD439544	.04169	-.00250	.02245	.16824	.00433	.00000
30	AD439544/L (1:5)	.00840	-.00122	.00429	.03458	-.00057	.00017
31	AD439545/MS	.24586	.20443	.23182	.36776	.19745	.05526
32	AD439546/SD	.24392	.20664	.23250	.37218	.19905	.05544
33	AD439547	.38659	.00135	.02935	.26798	.00342	.00025
34	AD439647	1.3046	L-.03472	.61251	H12.977	1.2175	.15941
35	AD439557/PB	.00045	.00274	.00008	.00165	.00035	-.00015
36	AD439556/FB	.20250	.20748	.20719	.21144	.19298	.05176
37	AD439550	.00063	-.00134	.00057	.00277	.00234	.00033
38	AD439550/L (1:5)	.00024	.00109	-.00001	.00143	.00049	.00022
39	AD439551/MS	.20277	.20592	.20858	.20906	.19654	.05316
40	AD439552/SD	.20310	.20765	.21041	.20978	.19784	.05282
41	AD439553	.00028	-.00016	.00018	.00510	.00169	-.00017
42	AD439554	.00052	.00023	.00014	.00446	.00060	.00038
43	AD439555	.00036	.00110	.00034	.00712	.00207	-.00017
44	AD439653/PB	.00096	.00526	.00064	.00149	.00107	.00082
45	AD439652/EBLK	.00063	-.00235	-.00006	.00574	.00511	.00010
46	AD439651/LCS	.20388	.21074	.21426	.23602	.21439	.04447
47	AD439648	.00309	-.00458	.00037	.35096	.00447	.00000
48	AD439648/L (1:5)	.00108	.00053	.00029	.07214	.00264	.00071
49	AD439649/MS	.21166	.20913	.21805	.55567	.21133	.05059
50	AD439650/SD	.20980	.21144	.21890	.55734	.21145	.04999
51	AD439656/PB	.00010	-.00335	.00036	.00068	.00076	.00008
52	AD439655/FB	.19875	.19977	.19842	.19363	.17763	.04942
53	AD439654	.00050	-.00219	.00012	.00380	.00218	.00050

Analysis Report Averages 08/03/04 08:07:37 AM page 17

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
54	AD439654/(1:5)	.00032	-.00081	.00005	.00095	.00030	.00006
55	AD439531/PB	.00000	-.00124	.00004	.00088	.00243	-.00023
56	AD439530/EBLK	.00111	-.00740	.00016	H.03499	.00344	-.00041
57	AD439529/EBLK	.00040	-.00392	.00000	.00683	.00435	.00021
58	AD439528/LCS	.19184	.18936	.19347	.22465	.17609	.04870
59	AD439527/LCS	.19766	.20021	.19955	.20436	.18102	.04353
60	AD439514	.00037	-.00952	.00011	2.0283	.00905	-.00020
61	AD439514/L (1:5)	.00032	-.00386	-.00012	.40976	.00219	.00022
62	AD439515/MS	.19898	.19998	.20137	2.1649	.18815	.04975
63	AD439516/SD	.19905	.20097	.20147	2.1600	.18595	.05010
64	AD439517	.02544	-.00629	.00230	.04048	.00478	-.00027
65	AD439518	.00066	-.00755	.00080	H9.5288	.00312	.00014
66	AD439518/L (1:5)	.00031	-.00520	-.00004	1.9369	.00100	.00000
67	AD439519/MS	.19412	.18760	.19644	H9.1605	.17381	.04813
68	AD439520/SD	.18580	.18116	.18846	H8.7417	.16607	.04673
69	AD439521	.00040	-.00679	.00044	.35815	.00396	.00016
70	AD439521/L (1:5)	.00019	-.00335	-.00023	.07711	.00155	-.00018
71	AD439522/MS	.18135	.18224	.18490	.50370	.16249	.04463
72	AD439523/SD	.18802	.18668	.19061	.52449	.16782	.04606
73	AD439524	.66060	L-.02266	10.164	H86.318	.04586	.00050
74	AD439524/L (1:5)	.14231	-.00529	2.2023	H21.683	.01016	.00023
75	AD439525/MS	.76006	.13835	9.1812	H81.435	.18749	.04408
76	AD439526/SD	.76603	.14124	9.2587	H82.068	.18656	.04343
77	AD439365/PB	.00090	-.00361	.00258	H.03144	H.05559	.00002
78	AD439364/CLPSL	3.3178	1.4401	1.0385	1.7048	2.0492	.74084
79	AD439355	1.3511	-.00791	.55751	1.0790	.07351	.00089
80	AD439355/L (1:5)	.29879	-.00389	.11650	.23128	.01590	.00031
81	AD439355/PS	1.4912	.18953	.74785	1.2409	.25625	.04966
82	AD439356/MD	1.5564	-.00908	.19837	1.1129	.07507	.00083
83	AD439357/MS	1.4904	.03569	.67949	1.4465	.13889	.04632
84	AD439358/SD	1.3554	.03570	.66083	1.3886	.07279	.04637
85	AD439359	1.3196	L-.01173	.20037	1.4582	.13396	.00072
86	AD439360	1.6724	L-.01083	.21836	1.4821	.43906	.00147
87	AD439361	1.7643	L-.01562	.20423	1.9553	.09358	.00170
88	AD439362	1.3186	-.00878	.24374	1.2883	.04224	.00097
89	AD439363	1.1346	-.00752	.22636	.77448	.04033	.00086
90	AD439414/PB	.00121	-.00308	.00025	.00294	H.05632	-.00005
91	AD439413/CLPSL	3.2643	1.4370	1.0344	1.5779	2.0260	.74205
92	AD439402	2.6405	-.00796	.21159	.41340	.03832	.00048
93	AD439402/L (1:5)	.59550	-.00032	.04502	.09055	.00893	-.00004
94	AD439403/MS	2.6162	.16433	.35895	.51913	.17046	.04329
95	AD439404/SD	2.4282	.16742	.34802	.51687	.17753	.04480
96	AD439405	1.4767	-.00894	.10637	.27920	.03746	.00036
97	AD439406	1.8339	-.00931	.14688	.35159	.02932	.00040
98	AD439407	2.5206	L-.01048	.18944	.38296	.03433	.00056
99	AD439408	2.5114	L-.01238	.19690	.42190	.03021	-.00048
100	AD439409	1.6279	L-.01058	.13264	.49301	.03830	.00043
101	AD439410	2.1734	-.00933	.18298	.41168	.03161	.00054
102	AD439411	2.2279	-.00889	.17923	.35525	.03826	.00030
103	AD439412	1.8732	-.00811	.14882	.47644	.03327	.00002
104	AD439063/PB	.00196	-.00726	-.00012	.00152	H.05440	.00026
105	AD439062/CLPSL	3.1078	1.4767	1.0403	1.5909	2.0106	.75593
106	AD439049	2.2703	-.00988	.19346	2.2040	.04799	.00105
107	AD439049/L (1:5)	.63535	-.00190	.04326	.48783	.01255	.00010

Analysis Report Averages 08/03/04 08:07:37 AM page 18

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
108	AD439050/MS	5.3650	.16516	.37013	H7.0353	.28858	.04588
109	AD439051/SD	2.5401	.16769	.38304	2.6243	.19839	.04703
110	AD439052	2.3105	L-.01242	.20535	.84145	.06019	.00043
111	AD439053	1.5931	L-.01092	.17017	1.1253	.05204	.00084
112	AD439054	2.5058	L-.01765	.22892	.62261	.03514	.00001
113	AD439055	2.3859	L-.01508	.24190	.91507	.04378	.00103
114	AD439056	.74300	-.00578	.05606	.93896	.04330	.00043
115	AD439057	1.0377	-.00865	.08845	2.1480	.05995	.00082
116	AD439058	1.9213	L-.01089	.17691	1.9600	.06624	.00084
117	AD439059	1.2254	L-.01194	.17248	.50019	.02850	.00056
118	AD439060	.97309	L-.01100	.06179	.68440	.04211	.00030
119	AD439061	1.6828	L-.01422	.17206	.70616	.03281	.00058
120	AD439401/PB	.00030	-.00104	.00004	.00097	H.05020	.00059
121	AD439400/CLPSL	3.2015	1.4219	1.0304	1.6610	2.0629	.74192
122	AD439379	1.5898	-.00947	.16718	.33886	.03276	.00042
123	AD439379/L (1:5)	.38361	-.00117	.03600	.07316	.00795	.00043
124	AD439380/MS	1.7477	.17392	.35181	.54074	.17964	.04546
125	AD439381/SD	1.7250	.16734	.36699	.53214	.17798	.04664
126	AD439382	1.6768	L-.01210	.17489	.38340	.03998	.00076
127	AD439383	1.8108	L-.01693	.20340	.53117	.04013	.00050
128	AD439384	2.0379	L-.01803	.23335	1.0906	.05795	.00046
129	AD439385	2.4554	L-.02340	.24155	.33621	.04732	.00019
130	AD439386	2.2048	L-.02157	.23525	.39325	.03930	.00006
131	AD439387	1.1266	-.00643	.05690	.13186	.04766	-.00024
132	AD439388	2.4227	L-.01570	.21987	.41713	.04207	.00002
133	AD439389	.83406	-.00851	.11239	.20358	.04195	.00287
134	AD439390	1.3222	L-.01771	.34874	.53350	.04126	.00085
135	AD439391	.68710	-.00829	.17370	1.5362	.03570	.00052
136	AD439392	1.0981	L-.01236	.27163	.25362	.03640	.00096
137	AD439393	1.1813	L-.02824	.46951	.45965	.03680	.00099
138	AD439394	.61917	-.00026	.19603	1.8448	.02977	.00148
139	AD439395	1.1322	L-.01943	.37011	.26567	.03478	.00076
140	AD439396	1.6326	L-.04038	.76304	.76334	.04456	.00383
141	AD439397	.77931	-.00797	.20449	1.1003	.04029	-.00007
142	A4716302	.91340	-.00889	.01756	.68510	.07802	.01363
143	AD439558	.74264	L-.01491	.10050	.35472	.03796	.00052
144	AD439378/PB	.00099	.00056	.00014	.00131	H.05229	.00119
145	AD439377/CLPSL	3.0802	1.3740	.99878	1.5786	2.0040	.71872
146	AD439366	1.3720	L-.01117	.12305	1.4331	.10120	.00878
147	AD439366/L (1:5)	.32983	-.00213	.02598	.31402	.02316	.00222
148	AD439366/PS	1.4826	.17632	.30001	1.5080	.26639	.05684
149	AD439367/MD	1.2953	L-.01457	.12905	1.5642	.10314	.01087
150	AD439368/MS	1.5257	.02461	.57360	1.9144	.11712	.05471
151	AD439369/SD	1.7736	.02625	.59932	2.3099	.11035	.05716
152	AD439370	1.8712	-.00674	.09206	.41816	.03961	.00091
153	AD439371	1.4356	L-.01499	.13020	1.1065	.08362	.00538
154	AD439372	2.2619	L-.01264	.11209	.30550	.04345	.00055
155	AD439373	1.4711	L-.01084	.10133	.39512	.04058	.00061
156	AD439374	2.4104	L-.02409	.19185	.48838	.03549	.00009
157	AD439375	2.3233	L-.02526	.21323	.48627	.03222	.00002
158	AD439376	2.1003	L-.02200	.17449	.41917	.03235	.00010
159	AD438323/(1:5)	.00341	-.00070	.00038	.01297	.00098	-.00006
160	A4685802	.00151	.00059	.00099	.06431	.00253	.00001

Standardization Rpt. 08/02/04 05:59:21 PM page 1

Method: TRACE2 Standard: STD BLK
Run Time: 08/02/04 17:55:01

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	.09305	.01324	.12725	.00321	.25044	.02417	.00628
SDev	.00325	.00677	.01296	.00412	.00039	.00037	.02616
%RSD	3.4942	51.133	10.182	128.60	.15436	1.5294	416.34
#1	.09075	.01803	.13641	.00029	.25072	.02443	-.01222
#2	.09534	.00846	.11809	.00612	.25017	.02391	.02478

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	-.00306	.01325	.06042	.00044	-.11399	.01281	.00102
SDev	.00021	.00554	.00216	.00103	.02431	.00039	.00020
%RSD	6.9085	41.801	3.5741	235.39	21.323	3.0397	20.032
#1	-.00291	.01716	.06195	-.00029	-.13118	.01309	.00116
#2	-.00321	.00933	.05890	.00117	-.09680	.01254	.00087

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	.03525	.00481	-.08459	-.01034	.02942	.00684	-.05054
SDev	.01736	.01092	.00788	.00184	.01241	.00145	.01883
%RSD	49.242	226.86	9.3193	17.755	42.165	21.233	37.250
#1	.02298	-.00291	-.09016	-.01163	.02065	.00582	-.03723
#2	.04753	.01254	-.07902	-.00904	.03820	.00787	-.06385

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	.05143	.11780	-.00583	.00087	.00102	-.03010	.00160
SDev	.03407	.00000	.00948	.00000	.00062	.04751	.00144
%RSD	66.240	.00029	162.58	.17452	60.752	157.86	89.891
#1	.02734	.11780	.00087	.00087	.00058	-.06370	.00262
#2	.07552	.11780	-.01254	.00087	.00146	.00350	.00058

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3434	--	--	--	--	--	--
SDev	5.992799	--	--	--	--	--	--
%RSD	.1745181	--	--	--	--	--	--
#1	3438	--	--	--	--	--	--
#2	3430	--	--	--	--	--	--

Standardization Rpt. 08/02/04 06:03:45 PM page 1

Method: TRACE2 Standard: STD 1
Run Time: 08/02/04 17:59:25

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	7.6907	1.2065	1.7348	5.2059	7.4180	5.1562	13.542
SDev	.0277	.0072	.0192	.0194	.0249	.0055	.022
%RSD	.36002	.59517	1.1088	.37222	.33544	.10596	.16437
#1	7.7102	1.2116	1.7484	5.2196	7.4356	5.1600	13.558
#2	7.6711	1.2014	1.7212	5.1922	7.4005	5.1523	13.526

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	.67716	1.7186	.81614	1.5038	5.8840	11.026	1.1770
SDev	.00253	.0013	.00113	.0036	.0143	.026	.0025
%RSD	.37398	.07716	.13840	.23916	.24310	.23396	.21416
#1	.67895	1.7195	.81534	1.5063	5.8739	11.044	1.1788
#2	.67537	1.7176	.81694	1.5013	5.8941	11.008	1.1752

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	1.9896	.25460	5.1465	1.4203	1.6794	.67098	.52524
SDev	.0082	.00664	.0179	.0273	.0154	.00916	.01000
%RSD	.41042	2.6098	.34765	1.9217	.91988	1.3655	1.9033
#1	1.9839	.24990	5.1591	1.4010	1.6903	.66450	.51817
#2	1.9954	.25930	5.1338	1.4396	1.6685	.67746	.53231

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	1.3196	6.1116	.57655	.27335	.31619	2.7214	1.4930
SDev	.0082	.0138	.01431	.00217	.00121	.0219	.0039
%RSD	.62176	.22592	2.4815	.79556	.38312	.80369	.26407
#1	1.3254	6.1214	.58667	.27489	.31704	2.7369	1.4958
#2	1.3138	6.1019	.56643	.27182	.31533	2.7059	1.4902

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3338	--	--	--	--	--	--
SDev	23.97102	--	--	--	--	--	--
%RSD	.7180715	--	--	--	--	--	--
#1	3321	--	--	--	--	--	--
#2	3355	--	--	--	--	--	--

Standardization Rpt. 08/02/04 06:08:09 PM page 1

Method: TRACE2 Standard: STD 2
Run Time: 08/02/04 18:03:49

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	38.380	5.9408	7.9291	26.270	36.047	25.791	67.417
SDev	.117	.0128	.0340	.072	.098	.074	.225
%RSD	.30529	.21507	.42837	.27257	.27280	.28774	.33320
#1	38.463	5.9499	7.9051	26.321	36.116	25.844	67.576
#2	38.297	5.9318	7.9531	26.220	35.977	25.739	67.259

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	3.3407	8.4498	3.8869	7.3718	29.508	55.206	5.7916
SDev	.0043	.0291	.0114	.0271	.058	.166	.0149
%RSD	.12947	.34382	.29365	.36778	.19515	.29993	.25746
#1	3.3438	8.4703	3.8950	7.3909	29.549	55.323	5.8021
#2	3.3377	8.4292	3.8788	7.3526	29.468	55.088	5.7811

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	9.7494	1.2896	26.292	6.9942	8.3362	3.4311	2.7367
SDev	.0018	.0053	.053	.0070	.0480	.0144	.0403
%RSD	.01799	.40965	.20009	.10032	.57530	.42087	1.4725
#1	9.7481	1.2933	26.329	6.9893	8.3023	3.4414	2.7651
#2	9.7506	1.2859	26.254	6.9992	8.3701	3.4209	2.7082

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	6.2748	30.373	3.1067	1.3629	1.5217	13.169	7.5214
SDev	.0326	.084	.0041	.0025	.0084	.047	.0155
%RSD	.51893	.27808	.13131	.18547	.55280	.35435	.20583
#1	6.2978	30.433	3.1038	1.3647	1.5276	13.202	7.5324
#2	6.2518	30.313	3.1096	1.3611	1.5157	13.136	7.5105

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3351	--	--	--	--	--	--
SDev	.5303301	--	--	--	--	--	--
%RSD	.0158278	--	--	--	--	--	--
#1	3351	--	--	--	--	--	--
#2	3350	--	--	--	--	--	--

Standardization Rpt. 08/02/04 06:12:34 PM page 1

Method: TRACE2 Standard: STD 3
Run Time: 08/02/04 18:08:13

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	74.482	11.525	15.449	50.782	69.279	49.542	129.57
SDev	.013	.052	.003	.089	.117	.074	.21
%RSD	.01764	.45267	.01782	.17590	.16921	.14959	.16163
#1	74.491	11.561	15.447	50.845	69.362	49.595	129.72
#2	74.473	11.488	15.451	50.719	69.196	49.490	129.42

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	6.4432	16.295	7.4595	14.227	56.625	107.83	11.204
SDev	.0044	.032	.0067	.009	.035	.20	.012
%RSD	.06867	.19883	.08979	.06629	.06189	.18233	.10666
#1	6.4464	16.318	7.4642	14.234	56.650	107.96	11.212
#2	6.4401	16.272	7.4547	14.221	56.600	107.69	11.195

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	18.811	2.5627	50.442	13.557	15.973	6.6836	5.3667
SDev	.026	.0028	.121	.046	.105	.0168	.0172
%RSD	.13587	.10785	.23900	.33656	.65758	.25153	.32016
#1	18.829	2.5607	50.527	13.525	15.898	6.6955	5.3545
#2	18.793	2.5646	50.357	13.589	16.047	6.6717	5.3788

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	12.113	58.617	6.0192	2.6365	2.9077	25.649	14.629
SDev	.105	.109	.0012	.0008	.0047	.147	.006
%RSD	.86309	.18579	.02051	.03012	.16033	.57121	.03797
#1	12.039	58.694	6.0183	2.6371	2.9110	25.753	14.633
#2	12.187	58.540	6.0201	2.6359	2.9044	25.546	14.625

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3441	--	--	--	--	--	--
SDev	12.56893	--	--	--	--	--	--
%RSD	.3652974	--	--	--	--	--	--
#1	3432	--	--	--	--	--	--
#2	3450	--	--	--	--	--	--

Standardization Report 08/02/04 06:12:34 PM page 1

Method: TRACE2 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	.661304	-.061788	08/02/04 06:08:13
As1890	189.042	Multiple	Standards	.084993	-.001139	08/02/04 06:08:13
B_2496	249.678	Multiple	Standards	.064016	-.008169	08/02/04 06:08:13
Ba4934	493.409	Multiple	Standards	.019313	-.000068	08/02/04 06:08:13
Be3130	313.042	Multiple	Standards	.014134	-.003552	08/02/04 06:08:13
Ca3179	317.933	Multiple	Standards	.984441	-.024334	08/02/04 06:08:13
Cd2265	226.502	Multiple	Standards	.007520	-.000063	08/02/04 06:08:13
Co2286	228.616	Multiple	Standards	.150434	.000438	08/02/04 06:08:13
Cr2677	267.716	Multiple	Standards	.059876	-.000811	08/02/04 06:08:13
Cu3247	324.753	Multiple	Standards	.132799	-.008028	08/02/04 06:08:13
Fe2714	271.441	Multiple	Standards	3.40984	-.002635	08/02/04 06:08:13
K_7664	766.491	Multiple	Standards	.852526	.096116	08/02/04 06:08:13
Mg2790	279.078	Multiple	Standards	.456872	-.006178	08/02/04 06:08:13
Mn2576	257.610	Multiple	Standards	.086854	-.000108	08/02/04 06:08:13
Mo2020	202.030	Multiple	Standards	.051953	-.001846	08/02/04 06:08:13
Na3302	330.232	Multiple	Standards	19.6559	-.093916	08/02/04 06:08:13
Ni2316	231.604	Multiple	Standards	.019286	.001622	08/02/04 06:08:13
2203/1	220.351	Multiple	Standards	.073629	.000738	08/02/04 06:08:13
2203/2	220.352	Multiple	Standards	.060292	-.001784	08/02/04 06:08:13
PB2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED*
SE1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED*
Sb2068	206.838	Multiple	Standards	.149516	-.001014	08/02/04 06:08:13
1960/1	196.021	Multiple	Standards	.178820	.009010	08/02/04 06:08:13
1960/2	196.022	Multiple	Standards	.079184	-.004093	08/02/04 06:08:13
Ti3372	337.280	Multiple	Standards	.016765	-.001981	08/02/04 06:08:13
Tl1908	190.864	Multiple	Standards	.163961	.000983	08/02/04 06:08:13
V_2924	292.402	Multiple	Standards	.371250	-.000335	08/02/04 06:08:13
Zn2062	206.200	Multiple	Standards	.329258	-.000371	08/02/04 06:08:13
Sn1899	189.989	Multiple	Standards	.037697	.001102	08/02/04 06:08:13
Ag3280	328.068	Multiple	Standards	.067295	-.000112	08/02/04 06:08:13

Standardization Readback Report 08/02/04 06:12:34 PM page 1

Method: TRACE2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD BLK	.000000	-.000256	.000256
		STD 1	5.00000	5.02407	-.024074
		STD 2	25.0000	25.3193	-.319252
		STD 3	50.0000	49.1935	.806530

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD BLK	.000000	-.000013	.000013
		STD 1	.100000	.101405	-.001405
		STD 2	.500000	.503792	-.003792
		STD 3	1.00000	.978367	.021633

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD BLK	.000000	-.000023	.000023
		STD 1	.100000	.102886	-.002886
		STD 2	.500000	.499419	.000581
		STD 3	1.00000	.980792	.019208

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD BLK	.000000	-.000006	.000006
		STD 1	.100000	.100475	-.000475
		STD 2	.500000	.507288	-.007288
		STD 3	1.00000	.980679	.019321

CorCoef: 0.99983

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD BLK	.000000	-.000013	.000013
		STD 1	.100000	.101294	-.001294
		STD 2	.500000	.505928	-.005928
		STD 3	1.00000	.975632	.024368

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD BLK	.000000	-.000539	.000539
		STD 1	5.00000	5.05161	-.051608
		STD 2	25.0000	25.3658	-.365839
		STD 3	50.0000	48.7470	1.25301

CorCoef: 0.99977

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD BLK	.000000	-.000015	.000015
		STD 1	.100000	.101773	-.001773
		STD 2	.500000	.506908	-.006908
		STD 3	1.00000	.974271	.025729

CorCoef: 0.99978

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD BLK	.000000	-.000022	.000022
		STD 1	.100000	.102306	-.002306
		STD 2	.500000	.502995	-.002995
		STD 3	1.00000	.969720	.030280

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD BLK	.000000	-.000018	.000018
		STD 1	.100000	.102091	-.002091
		STD 2	.500000	.505130	-.005130
		STD 3	1.00000	.974863	.025137
CorCoef:	0.99982				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD BLK	.000000	-.000004	.000004
		STD 1	.100000	.100355	-.000355
		STD 2	.500000	.508146	-.008146
		STD 3	1.00000	.982581	.017419
CorCoef:	0.99984				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD BLK	.000000	-.001143	.001143
		STD 1	5.00000	5.12507	-.125070
		STD 2	25.0000	25.1339	-.133902
		STD 3	50.0000	48.5104	1.48962
CorCoef:	0.99982				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K_7664	766.491	STD BLK	.000000	-.001062	.001062
		STD 1	5.00000	5.11240	-.112395
		STD 2	25.0000	25.2528	-.252768
		STD 3	50.0000	48.3705	1.62949
CorCoef:	0.99974				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD BLK	.000000	-.000324	.000324
		STD 1	5.00000	5.03126	-.031257
		STD 2	25.0000	25.2157	-.215658
		STD 3	50.0000	49.2561	.743885
CorCoef:	0.99992				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD BLK	.000000	-.000020	.000020
		STD 1	.100000	.102117	-.002117
		STD 2	.500000	.502917	-.002917
		STD 3	1.00000	.972996	.027004
CorCoef:	0.99985				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD BLK	.000000	-.000015	.000015
		STD 1	.100000	.101522	-.001522
		STD 2	.500000	.504667	-.004667
		STD 3	1.00000	.975442	.024558
CorCoef:	0.99984				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na3302	330.232	STD BLK	.000000	.000719	-.000719
		STD 1	5.00000	4.91048	.089517
		STD 2	25.0000	25.2545	-.254499
		STD 3	50.0000	50.2777	-.277664
CorCoef:	0.99999				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD BLK	.000000	-.000009	.000009
		STD 1	.100000	.100879	-.000879
		STD 2	.500000	.508693	-.008693
		STD 3	1.00000	.974467	.025533
CorCoef:	0.99973				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD BLK	.000000	-.000023	.000023
		STD 1	.100000	.105311	-.005311
		STD 2	.500000	.515718	-.015718
		STD 3	1.00000	.998934	.001066
CorCoef:	0.99986				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD BLK	.000000	-.000010	.000010
		STD 1	.100000	.099470	.000530
		STD 2	.500000	.500825	-.000825
		STD 3	1.00000	.961245	.038755
CorCoef:	0.99976				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
PB2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
SE1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD BLK	.000000	.000009	-.000009
		STD 1	.100000	.099307	.000693
		STD 2	.500000	.511998	-.011998
		STD 3	1.00000	.998296	.001704
CorCoef:	0.99990				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD BLK	.000000	-.000028	.000028
		STD 1	.100000	.102934	-.002934
		STD 2	.500000	.498379	.001621
		STD 3	1.00000	.968685	.031315
CorCoef:	0.99989				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD BLK	.000000	-.000021	.000021
		STD 1	.100000	.100397	-.000397
		STD 2	.500000	.492773	.007227
		STD 3	1.00000	.955038	.044962
CorCoef:	0.99986				

Standardization Readback Report 08/02/04 06:12:34 PM page 4

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3372	337.280	STD BLK	.000000	-.000006	.000006
		STD 1	.100000	.100482	-.000482
		STD 2	.500000	.507225	-.007225
		STD 3	1.00000	.980734	.019266
CorCoef:	0.99984				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD BLK	.000000	.000026	-.000026
		STD 1	.100000	.095514	.004486
		STD 2	.500000	.510366	-.010366
		STD 3	1.00000	.987898	.012102
CorCoef:	0.99981				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD BLK	.000000	-.000011	.000011
		STD 1	.100000	.101147	-.001147
		STD 2	.500000	.505633	-.005633
		STD 3	1.00000	.978465	.021535
CorCoef:	0.99985				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD BLK	.000000	-.000035	.000035
		STD 1	.100000	.103737	-.003737
		STD 2	.500000	.500647	-.000647
		STD 3	1.00000	.957003	.042997
CorCoef:	0.99971				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD BLK	.000000	-.000033	.000033
		STD 1	.100000	.103692	-.003692
		STD 2	.500000	.497538	.002462
		STD 3	1.00000	.968008	.031992
CorCoef:	0.99989				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD BLK	.000000	-.000004	.000004
		STD 1	.100000	.100360	-.000360
		STD 2	.500000	.506040	-.006040
		STD 3	1.00000	.984322	.015678
CorCoef:	0.99989				

Analysis Report Blank Sample 08/02/04 06:16:58 PM page 1

Method: TRACE2 Sample Name: STD 3 VER Operator: SW
Run Time: 08/02/04 18:12:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.571	1.0027	1.0062	1.0050	1.0022	49.953	.99585
SDev	.206	.0010	.0033	.0009	.0007	.031	.00092
%RSD	.40811	.09573	.32445	.09267	.07118	.06285	.09266
#1	50.425	1.0020	1.0039	1.0044	1.0017	49.975	.99651
#2	50.717	1.0034	1.0085	1.0057	1.0027	49.931	.99520
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	52.500	1.0500	1.0500	1.0500	1.0500	52.500	1.0500
Low	47.500	.95000	.95000	.95000	.95000	47.500	.95000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.99997	1.0043	1.0045	50.114	49.514	50.661	1.0036
SDev	.00081	.0025	.0011	.125	.070	.046	.0022
%RSD	.08141	.25088	.11437	.24942	.14237	.08992	.22377
#1	.99939	1.0025	1.0037	50.026	49.464	50.629	1.0020
#2	1.0005	1.0061	1.0053	50.202	49.564	50.693	1.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0500	1.0500	1.0500	52.500	52.500	52.500	1.0500
Low	.95000	.95000	.95000	47.500	47.500	47.500	.95000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0043	51.641	.99693	.99230	.99716	.99554	.99307
SDev	.0019	.288	.00244	.00308	.00926	.00515	.00694
%RSD	.19371	.55836	.24508	.31002	.92858	.51746	.69882
#1	1.0030	51.437	.99866	.99013	1.0037	.99918	.99797
#2	1.0057	51.845	.99520	.99448	.99061	.99190	.98816
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	1.0500	52.500	1.0500			1.0500	1.0500
Low	.95000	47.500	.95000			.95000	.95000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0209	.98474	.99725	1.0042	1.0254	1.0056	.98815
SDev	.0012	.00531	.01307	.0013	.0035	.0010	.00038
%RSD	.11494	.53959	1.3103	.13392	.33665	.09881	.03863
#1	1.0200	.98098	1.0065	1.0033	1.0229	1.0049	.98842
#2	1.0217	.98850	.98801	1.0052	1.0278	1.0063	.98788
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0500			1.0500	1.0500	1.0500	1.0500
Low	.95000			.95000	.95000	.95000	.95000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.99277	1.0088
SDev	.00006	.0009
%RSD	.00610	.09264
#1	.99282	1.0081
#2	.99273	1.0095
Errors	LC Pass	LC Pass
High	1.0500	1.0500
Low	.95000	.95000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3329	--	--	--	--	--	--
SDev	12.62192	--	--	--	--	--	--
%RSD	.3791478	--	--	--	--	--	--
#1	3320	--	--	--	--	--	--
#2	3338	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 06:21:22 PM page 1

Method: TRACE2 Sample Name: ICV Operator: SW
Run Time: 08/02/04 18:17:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.327	.37233	.37230	.37757	.38818	19.349	.37369
SDev	.035	.00274	.00121	.00046	.00044	.023	.00024
%RSD	.17939	.73443	.32466	.12120	.11472	.11889	.06455
#1	19.302	.37040	.37315	.37725	.38787	19.333	.37352
#2	19.351	.37426	.37144	.37789	.38850	19.365	.37386
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	18.750	.37500	.37500	.37500	.37500	18.750	.37500
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38663	.37525	Q.40066	19.497	19.170	19.026	Q.39620
SDev	.00052	.00085	.00028	.030	.024	.057	.00109
%RSD	.13347	.22708	.07088	.15305	.12535	.29863	.27378
#1	.38627	.37465	Q.40086	19.476	19.153	18.986	Q.39543
#2	.38700	.37585	Q.40046	19.519	19.187	19.066	Q.39697
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail
Value	.37500	.37500	.37500	18.750	18.750	18.750	.37500
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.37896	18.793	.38250	.38449	.38753	.38652	.38745
SDev	.00171	.005	.00023	.00098	.00010	.00026	.00088
%RSD	.45090	.02762	.05941	.25604	.02545	.06780	.22816
#1	.37775	18.789	.38234	.38379	.38760	.38633	.38807
#2	.38017	18.796	.38266	.38519	.38746	.38670	.38682
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.37500	18.750	.37500			.37500	.37500
Range	5.0000	5.0000	5.0000			5.0000	5.0000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38517	.38549	.38843	.38418	Q.39629	.38000	.38283
SDev	.00031	.00637	.00451	.00002	.00149	.00048	.00075
%RSD	.08035	1.6533	1.1618	.00512	.37555	.12530	.19507
#1	.38539	.38099	.39162	.38417	Q.39734	.37966	.38230
#2	.38495	.39000	.38524	.38419	Q.39524	.38033	.38336
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Fail	QC Pass	QC Pass
Value	.37500			.37500	.37500	.37500	.37500
Range	5.0000			5.0000	5.0000	5.0000	5.0000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.38083	.38048
SDev	.00261	.00010
%RSD	.68573	.02712
#1	.37898	.38040
#2	.38267	.38055
Errors	QC Pass	QC Pass
Value	.37500	.37500
Range	5.0000	5.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3306	--	--	--	--	--	--
SDev	8.273115	--	--	--	--	--	--
%RSD	.2502682	--	--	--	--	--	--
#1	3312	--	--	--	--	--	--
#2	3300	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 06:25:46 PM page 1

Method: TRACE2 Sample Name: ICB Operator: SW
Run Time: 08/02/04 18:21:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01291	-.00119	.00057	.00032	.00048	.01619	.00031
SDev	.00319	.00051	.00003	.00002	.00003	.00131	.00018
%RSD	24.728	42.487	5.0619	5.3733	6.8600	8.1001	57.205
#1	.01517	-.00083	.00055	.00033	.00050	.01712	.00044
#2	.01065	-.00155	.00059	.00030	.00045	.01526	.00018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00048	.00041	.00133	.02656	.03835	.01421	.00036
SDev	.00019	.00000	.00066	.00801	.01403	.00168	.00015
%RSD	39.650	.38447	49.841	30.149	36.576	11.813	40.995
#1	.00062	.00041	.00180	.03223	.02843	.01539	.00047
#2	.00035	.00041	.00086	.02090	.04827	.01302	.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00096	.21017	.00064	-.00033	-.00116	-.00089	.00005
SDev	.00003	.10397	.00008	.00219	.00123	.00009	.00449
%RSD	2.6951	49.471	11.949	658.46	105.91	10.247	8682.9
#1	.00098	.13665	.00069	-.00188	-.00029	-.00082	-.00313
#2	.00095	.28369	.00059	.00122	-.00203	-.00095	.00323
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00054	-.00048	.00032	.00054	-.00066	.00033	.00042
SDev	.00124	.00818	.00265	.00008	.00467	.00000	.00014
%RSD	228.33	1714.2	837.62	14.486	709.25	.23695	32.875
#1	.00033	-.00626	-.00156	.00060	.00264	.00033	.00032
#2	-.00142	.00531	.00219	.00049	-.00396	.00033	.00052
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00013	.00012
SDev	.00192	.00059
%RSD	1493.5	488.36
#1	-.00148	-.00029
#2	.00123	.00053
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3328	--	--	--	--	--	--
SDev	4.613803	--	--	--	--	--	--
%RSD	.1386198	--	--	--	--	--	--
#1	3325	--	--	--	--	--	--
#2	3332	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 06:30:09 PM page 1

Method: TRACE2 Sample Name: CRI Operator: SW
Run Time: 08/02/04 18:25:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41603	.01830	.00723	.39209	.01101	5.0404	.01006
SDev	.00650	.00018	.00020	.00144	.00010	.0135	.00010
%RSD	1.5630	.96450	2.7195	.36699	.93353	.26724	1.0104
#1	.41144	.01818	.00709	.39311	.01093	5.0499	.00999
#2	.42063	.01843	.00737	.39108	.01108	5.0308	.01013
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.03000		.60000	.01500	7.5000	.01500
Low	.20000	.01000		.20000	.00500	2.5000	.00500

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04952	.02064	.05268	.21563	5.0595	5.0029	.03199
SDev	.00012	.00034	.00017	.01408	.0069	.0179	.00005
%RSD	.23317	1.6696	.31426	6.5285	.13554	.35759	.14333
#1	.04960	.02039	.05257	.20567	5.0644	5.0155	.03195
#2	.04944	.02088	.05280	.22558	5.0547	4.9902	.03202
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.07500	.03000	.07500	.30000	7.5000	7.5000	.04500
Low	.02500	.01000	.02500	.10000	2.5000	2.5000	.01500

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00056	4.8467	.08341	.00600	.00594	.00596	.00977
SDev	.00013	.0751	.00055	.00212	.00123	.00011	.00075
%RSD	23.639	1.5487	.66201	35.308	20.640	1.8838	7.6515
#1	.00046	4.8998	.08302	.00750	.00507	.00588	.00924
#2	.00065	4.7936	.08380	.00450	.00681	.00604	.01030
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		7.5000	.12000			.00900	.01800
Low		2.5000	.04000			.00300	.00600

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11998	.00586	.01172	.00049	.02128	.05002	.04062
SDev	.00106	.00001	.00112	.00002	.00010	.00034	.00026
%RSD	.88555	.20428	9.5127	4.7091	.49010	.67386	.64467
#1	.12074	.00585	.01094	.00050	.02135	.05026	.04043
#2	.11923	.00587	.01251	.00047	.02120	.04979	.04080
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.18000				.03000	.07500	.06000
Low	.06000				.01000	.02500	.02000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00046	.02074
SDev	.00139	.00044
%RSD	299.76	2.1168
#1	-.00052	.02105
#2	.00144	.02042
Errors	NOCHECK	LC Pass
High		.03000
Low		.01000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3406	--	--	--	--	--	--
SDev	12.35676	--	--	--	--	--	--
%RSD	.3628325	--	--	--	--	--	--
#1	3397	--	--	--	--	--	--
#2	3414	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 06:34:32 PM page 1

Method: TRACE2 Sample Name: ICSA Operator: SW
Run Time: 08/02/04 18:30:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	491.39	-.00150	.00847	.00166	.00111	446.14	-.00017
SDev	.53	.00278	.00048	.00004	.00000	.14	.00001
%RSD	.10703	185.04	5.6247	2.2991	.24916	.03117	8.7129
#1	491.76	-.00347	.00813	.00163	.00111	446.23	-.00018
#2	491.02	.00046	.00881	.00169	.00111	446.04	-.00016
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.00					500.00	
Range	100.00					100.00	

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	-.00062	.00578	186.48	.02167	538.45	.00230
SDev	.00039	.00047	.00007	.24	.00503	1.33	.00004
%RSD	100.44	75.369	1.2759	.12923	23.203	.24782	1.9157
#1	.00011	-.00095	.00583	186.65	.02523	539.39	.00227
#2	.00067	-.00029	.00573	186.31	.01812	537.51	.00233
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				40.000		100.00	

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00008	.01536	.00238	-.02079	.02043	.00670	-.00833
SDev	.00034	.05174	.00080	.00518	.00476	.00145	.00005
%RSD	402.80	336.91	33.688	24.934	23.293	21.599	.60594
#1	.00015	-.02123	.00181	-.02445	.02379	.00773	-.00829
#2	-.00032	.05194	.00295	-.01712	.01706	.00568	-.00836
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00138	-.01141	-.00679	.00120	-.01960	-.00023	.00037
SDev	.00086	.00184	.00084	.00013	.00101	.00026	.00026
%RSD	62.751	16.091	12.409	10.566	5.1589	110.25	69.123
#1	-.00077	-.01011	-.00738	.00129	-.01889	-.00041	.00019
#2	-.00199	-.01271	-.00619	.00111	-.02032	-.00005	.00055
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00189	.00039
SDev	.00056	.00029
%RSD	29.506	75.779
#1	-.00150	.00059
#2	-.00229	.00018
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3241	--	--	--	--	--	--
SDev	8.379112	--	--	--	--	--	--
%RSD	.2585248	--	--	--	--	--	--
#1	3247	--	--	--	--	--	--
#2	3235	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 06:38:55 PM page 1

Method: TRACE2 Sample Name: ICSAB Operator: SW
Run Time: 08/02/04 18:34:35
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	479.08	.09696	.00661	.48108	.47556	434.74	.87802
SDev	2.91	.00138	.00010	.00283	.00266	1.55	.00432
%RSD	.60822	1.4216	1.5074	.58906	.55933	.35736	.49246
#1	477.01	.09599	.00668	.47907	.47368	433.64	.87496
#2	481.14	.09794	.00653	.48308	.47745	435.84	.88108
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	.10000		.50000	.50000	500.00	1.0000
Range	100.00	.02000		.10000	.10000	100.00	.20000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45114	.45194	.51164	91.245	.02110	523.67	.48091
SDev	.00382	.00236	.00214	.634	.01214	3.97	.00421
%RSD	.84649	.52289	.41733	.69497	57.543	.75866	.87449
#1	.44844	.45027	.51013	90.797	.02968	520.86	.47794
#2	.45384	.45362	.51315	91.694	.01251	526.48	.48389
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	100.00		500.00	.50000
Range	.10000	.10000	.10000	20.000		100.00	.10000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00562	.04551	.88474	.02477	.06232	.04981	.04313
SDev	.00153	.11149	.00422	.00119	.00154	.00063	.00289
%RSD	27.288	244.99	.47744	4.7943	2.4692	1.2663	6.7085
#1	.00454	-.03333	.88175	.02393	.06340	.05026	.04108
#2	.00671	.12435	.88772	.02561	.06123	.04937	.04517
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.0000			.05000	.05000
Range			.20000			.01000	.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58282	.03779	.04580	.00122	.08683	.46988	.86571
SDev	.00874	.00975	.00053	.00010	.00154	.00241	.00598
%RSD	1.4994	25.797	1.1668	7.9859	1.7779	.51183	.69129
#1	.57664	.03090	.04617	.00115	.08574	.46818	.86148
#2	.58900	.04468	.04542	.00129	.08793	.47158	.86994
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.60000				.10000	.50000	1.0000
Range	.12000				.02000	.10000	.20000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00225	.20139
SDev	.00206	.00094
%RSD	91.805	.46935
#1	.00079	.20072
#2	.00371	.20206
Errors	NOCHECK	QC Pass
Value		.20000
Range		.04000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3245	--	--	--	--	--	--
SDev	2.704649	--	--	--	--	--	--
%RSD	.0833582	--	--	--	--	--	--
#1	3247	--	--	--	--	--	--
#2	3243	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 06:44:39 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/02/04 18:40:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.814	.50090	.49145	.50072	.51800	25.928	.49936
SDev	.317	.00732	.00602	.00568	.00597	.282	.00557
%RSD	1.2291	1.4617	1.2238	1.1337	1.1533	1.0885	1.1152
#1	25.590	.49573	.48719	.49670	.51378	25.728	.49542
#2	26.038	.50608	.49570	.50473	.52222	26.127	.50330
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51642	.50132	.53164	26.106	25.469	25.546	.52921
SDev	.00568	.00608	.00641	.293	.272	.298	.00577
%RSD	1.0988	1.2130	1.2055	1.1215	1.0674	1.1679	1.0905
#1	.51241	.49702	.52711	25.899	25.277	25.335	.52513
#2	.52043	.50562	.53617	26.313	25.661	25.757	.53329
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50378	25.262	.50935	.51771	.51298	.51456	.51713
SDev	.00744	.500	.00583	.00876	.00291	.00485	.00680
%RSD	1.4766	1.9794	1.1453	1.6914	.56635	.94330	1.3157
#1	.49852	24.908	.50523	.51152	.51093	.51112	.51232
#2	.50904	25.616	.51348	.52390	.51504	.51799	.52194
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51825	.51830	.51655	.51190	.52536	.50723	.51130
SDev	.01078	.00172	.00934	.00662	.00997	.00672	.00558
%RSD	2.0801	.33214	1.8091	1.2940	1.8980	1.3249	1.0915
#1	.51062	.51708	.50994	.50722	.51831	.50247	.50735
#2	.52587	.51952	.52316	.51659	.53241	.51198	.51525
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.50987	.50699
SDev	.00597	.00556
%RSD	1.1704	1.0959
#1	.50565	.50306
#2	.51409	.51091
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3276	--	--	--	--	--	--
SDev	36.64578	--	--	--	--	--	--
%RSD	1.118601	--	--	--	--	--	--
#1	3302	--	--	--	--	--	--
#2	3250	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 06:49:04 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/02/04 18:44:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09229	.00014	.00163	.00038	.00053	.09729	.00021
SDev	.01439	.00098	.00030	.00009	.00005	.01541	.00005
%RSD	15.596	684.22	18.305	23.110	9.1907	15.841	24.388
#1	.08211	.00084	.00142	.00032	.00056	.08639	.00018
#2	.10246	-.00055	.00184	.00044	.00049	.10819	.00025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.00053	.00032	.03456	.02462	.08960	.00042
SDev	.00042	.00012	.00010	.01871	.00832	.00769	.00003
%RSD	152.31	21.879	30.403	54.140	33.817	8.5783	7.7809
#1	-.00002	.00045	.00025	.02133	.01873	.08417	.00040
#2	.00057	.00061	.00039	.04779	.03050	.09504	.00044
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00023	-.04889	.00060	.00080	.00035	.00050	.00029
SDev	.00101	.05528	.00005	.00116	.00134	.00128	.00086
%RSD	433.45	113.07	8.1324	146.39	378.05	255.54	293.20
#1	.00095	-.00980	.00064	.00162	.00130	.00141	-.00031
#2	-.00048	-.08797	.00057	-.00003	-.00059	-.00040	.00090
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00116	-.00366	.00227	.00031	.00140	.00051	.00093
SDev	.00077	.00185	.00221	.00000	.00222	.00009	.00013
%RSD	66.329	50.395	97.423	.75204	158.05	17.277	14.080
#1	-.00170	-.00236	.00071	.00031	-.00017	.00057	.00084
#2	-.00061	-.00497	.00384	.00031	.00297	.00045	.00102
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00206	.00020
SDev	.00150	.00004
%RSD	72.793	19.830
#1	.00100	.00018
#2	.00312	.00023
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3293	--	--	--	--	--	--
SDev	29.22115	--	--	--	--	--	--
%RSD	.8874964	--	--	--	--	--	--
#1	3272	--	--	--	--	--	--
#2	3313	--	--	--	--	--	--

Analysis Report 08/02/04 06:53:27 PM page 1

Method: TRACE2 Sample Name: AD439656/PB Operator: SW
Run Time: 08/02/04 18:49:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02736	-.00155	.00091	.00007	.00009	.03406	-.00008
SDev	.00295	.00086	.00037	.00011	.00003	.00240	.00001
%RSD	10.795	55.502	40.340	165.53	31.241	7.0366	16.458
#1	.02945	-.00216	.00117	.00015	.00010	.03236	-.00009
#2	.02527	-.00094	.00065	-.00001	.00007	.03575	-.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00028	.00010	.00931	.02691	.01706	.00018
SDev	.00031	.00034	.00042	.01129	.00257	.00188	.00002
%RSD	350.66	120.15	412.74	121.29	9.5517	11.032	9.1278
#1	.00031	-.00004	.00040	.01730	.02509	.01573	.00017
#2	-.00013	-.00052	-.00019	.00133	.02872	.01839	.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00045	-.10499	.00019	-.00061	-.00036	-.00044	-.00149
SDev	.00047	.18632	.00023	.00225	.00188	.00051	.00174
%RSD	105.64	177.47	119.19	368.56	527.35	114.32	116.84
#1	.00011	.02676	.00035	-.00221	.00097	-.00008	-.00026
#2	.00078	-.23673	.00003	.00098	-.00169	-.00080	-.00272
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00177	-.00391	-.00028	.00011	-.00335	.00037	.00069
SDev	.00052	.00290	.00116	.00018	.00057	.00008	.00014
%RSD	29.156	74.055	416.78	169.88	17.075	21.442	20.491
#1	-.00141	-.00186	.00054	.00024	-.00376	.00042	.00078
#2	-.00214	-.00596	-.00110	-.00002	-.00295	.00031	.00059
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00076	.00008
SDev	.00062	.00006
%RSD	81.971	66.914
#1	.00032	.00012
#2	.00120	.00004
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3431	--	--	--	--	--	--
SDev	14.15974	--	--	--	--	--	--
%RSD	.4127288	--	--	--	--	--	--
#1	3421	--	--	--	--	--	--
#2	3441	--	--	--	--	--	--

Analysis Report 08/02/04 06:57:51 PM page 1

Method: TRACE2 Sample Name: AD439655/FB Operator: SW
Run Time: 08/02/04 18:53:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.8348	.19675	.18920	.19784	.19869	10.141	.19784
SDev	.0185	.00152	.00094	.00078	.00096	.005	.00122
%RSD	.18779	.77041	.49828	.39351	.48313	.05370	.61583
#1	9.8479	.19568	.18853	.19729	.19801	10.137	.19698
#2	9.8217	.19783	.18987	.19839	.19937	10.144	.19870
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000		.23000	.23000	11.500	.23000
Low	8.5000	.17000		.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19782	.19344	.19986	.42807	10.024	9.9078	.20031
SDev	.00180	.00191	.00171	.00434	.046	.0091	.00112
%RSD	.90901	.98674	.85760	1.0129	.46363	.09185	.56006
#1	.19654	.19209	.19865	.43114	9.9915	9.9014	.19952
#2	.19909	.19479	.20107	.42501	10.057	9.9143	.20111
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000	.23000	.23000	.46000	11.500	11.500	.23000
Low	.17000	.17000	.17000	.34000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19631	9.6501	.19449	.20266	.19926	.20039	.20661
SDev	.00107	.1806	.00111	.00205	.00348	.00164	.00034
%RSD	.54370	1.8711	.57007	1.0099	1.7486	.81961	.16669
#1	.19556	9.5224	.19371	.20411	.19679	.19923	.20637
#2	.19707	9.7778	.19527	.20122	.20172	.20155	.20685
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		11.500	.23000			.23000	.23000
Low		8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20208	.20583	.20700	.19875	.19978	.19842	.19364
SDev	.00056	.00310	.00207	.00086	.00473	.00126	.00169
%RSD	.27767	1.5069	.99877	.43393	2.3690	.63650	.87416
#1	.20169	.20802	.20554	.19814	.19643	.19753	.19244
#2	.20248	.20364	.20846	.19936	.20313	.19932	.19484
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.17763	.04942
SDev	.00333	.00077
%RSD	1.8732	1.5595
#1	.17528	.04888
#2	.17999	.04997
Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3444	--	--	--	--	--	--
SDev	32.45613	--	--	--	--	--	--
%RSD	.9423348	--	--	--	--	--	--
#1	3467	--	--	--	--	--	--
#2	3421	--	--	--	--	--	--

Analysis Report 08/02/04 07:02:15 PM page 1

Method: TRACE2 Sample Name: AD439654 Operator: SW
Run Time: 08/02/04 18:57:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04539	-.00156	.00947	.00085	.00037	.28552	-.00002
SDev	.00424	.00078	.00027	.00013	.00002	.00382	.00002
%RSD	9.3375	50.114	2.8725	15.029	6.0937	1.3393	95.419
#1	.04839	-.00101	.00967	.00094	.00039	.28822	-.00004
#2	.04239	-.00211	.00928	.00076	.00036	.28282	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00042	.00145	.00255	.02427	.04035	.05445	.00286
SDev	.00023	.00004	.00005	.00681	.00819	.00138	.00001
%RSD	55.509	3.0384	1.9103	28.065	20.292	2.5311	.28615
#1	.00058	.00148	.00258	.01946	.03456	.05542	.00287
#2	.00025	.00142	.00251	.02909	.04614	.05348	.00285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00114	1.5811	.00084	2.7762	2.7611	2.7661	.00103
SDev	.00005	.0670	.00010	.0129	.0051	.0077	.00053
%RSD	3.9596	4.2366	11.379	.46569	.18622	.27963	50.887
#1	.00110	1.6285	.00091	2.7671	2.7574	2.7606	.00066
#2	.00117	1.5338	.00077	2.7854	2.7647	2.7716	.00141
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00154	.00517	-.00104	.00050	-.00219	.00012	.00380
SDev	.00133	.00276	.00059	.00011	.00173	.00016	.00013
%RSD	86.259	53.437	57.256	22.180	78.857	129.88	3.3772
#1	.00248	.00322	-.00062	.00042	-.00342	.00024	.00390
#2	.00060	.00713	-.00145	.00058	-.00097	.00001	.00371
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00219	.00050
SDev	.00309	.00001
%RSD	141.23	2.4870
#1	.00437	.00051
#2	.00000	.00049
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3233	--	--	--	--	--	--
SDev	11.77326	--	--	--	--	--	--
%RSD	.3641984	--	--	--	--	--	--
#1	3241	--	--	--	--	--	--
#2	3224	--	--	--	--	--	--

Analysis Report 08/02/04 07:06:39 PM page 1

Method: TRACE2 Sample Name: AD439654/(1:5) Operator: SW
Run Time: 08/02/04 19:02:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05436	-.00190	.00722	.00128	.00016	.19081	-.00001
SDev	.00328	.00219	.00044	.00014	.00001	.00555	.00001
%RSD	6.0406	115.27	6.1488	10.884	3.4235	2.9091	183.37
#1	.05668	-.00345	.00753	.00138	.00016	.19473	.00000
#2	.05204	-.00035	.00690	.00118	.00015	.18688	-.00002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00001	.00058	.00063	.01113	.02908	.01035	.00059
SDev	.00035	.00010	.00102	.00361	.00653	.00115	.00004
%RSD	3094.0	17.487	162.10	32.423	22.458	11.096	6.2699
#1	.00026	.00066	.00135	.01368	.02447	.00954	.00062
#2	-.00024	.00051	-.00009	.00858	.03370	.01116	.00057
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00035	.37033	.00012	.49473	.49212	.49299	.00158
SDev	.00029	.01691	.00034	.01137	.00808	.00917	.00060
%RSD	80.723	4.5671	287.60	2.2982	1.6413	1.8608	38.019
#1	-.00015	.38229	.00036	.48669	.48641	.48650	.00200
#2	-.00056	.35837	-.00012	.50277	.49783	.49947	.00115
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00156	-.00259	.00366	.00032	-.00082	.00005	.00096
SDev	.00354	.00333	.00257	.00026	.00175	.00055	.00035
%RSD	227.39	128.66	70.066	79.803	214.50	1040.2	36.415
#1	-.00406	-.00495	.00548	.00014	.00042	.00044	.00120
#2	.00095	-.00023	.00185	.00050	-.00205	-.00034	.00071
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00031	.00007
SDev	.00098	.00006
%RSD	318.37	82.713
#1	.00100	.00011
#2	-.00039	.00003
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3345	--	--	--	--	--	--
SDev	2.174491	--	--	--	--	--	--
%RSD	.0650079	--	--	--	--	--	--
#1	3343	--	--	--	--	--	--
#2	3347	--	--	--	--	--	--

Analysis Report 08/02/04 07:11:03 PM page 1

Method: TRACE2 Sample Name: AD439531/PB Operator: SW
Run Time: 08/02/04 19:06:43
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00177	-.00031	.00141	-.00001	.00006	-.00046	.00005
SDev	.00032	.00089	.00006	.00005	.00000	.00043	.00002
%RSD	18.084	290.83	4.3394	369.59	4.6151	91.964	37.541
#1	.00154	.00033	.00136	-.00005	.00007	-.00076	.00003
#2	.00199	-.00094	.00145	.00002	.00006	-.00016	.00006
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00031	-.00047	-.00017	.01081	.01144	.00043	.00009
SDev	.00006	.00046	.00013	.00071	.00627	.00179	.00004
%RSD	20.248	97.481	75.990	6.5805	54.818	418.11	38.002
#1	-.00026	-.00079	-.00008	.01031	.00701	.00169	.00007
#2	-.00035	-.00015	-.00026	.01132	.01588	-.00084	.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00054	.03819	.00124	-.00010	.00136	.00087	.00112
SDev	.00022	.08943	.00049	.00356	.00136	.00028	.00231
%RSD	39.888	234.16	39.261	3420.2	99.982	31.852	206.26
#1	-.00069	-.02504	.00158	.00241	.00040	.00107	-.00051
#2	-.00039	.10143	.00089	-.00262	.00232	.00068	.00275
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00039	.00094	.00121	.00000	-.00124	.00004	.00088
SDev	.00420	.00476	.00108	.00014	.00311	.00038	.00014
%RSD	1087.7	505.46	89.707	5021.9	250.93	875.13	15.375
#1	-.00258	-.00242	.00044	.00010	-.00344	-.00023	.00098
#2	.00336	.00431	.00197	-.00010	.00096	.00032	.00078
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00243	-.00023
SDev	.00013	.00033
%RSD	5.1619	144.95
#1	.00235	.00001
#2	.00252	-.00047
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3423	--	--	--	--	--	--
SDev	2.757647	--	--	--	--	--	--
%RSD	.0805605	--	--	--	--	--	--
#1	3425	--	--	--	--	--	--
#2	3421	--	--	--	--	--	--

Analysis Report 08/02/04 07:15:27 PM page 1

Method: TRACE2 Sample Name: AD439530/EBLK Operator: SW
Run Time: 08/02/04 19:11:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05178	-.00008	.03819	H.02642	.00005	H.87710	.00008
SDev	.00017	.00046	.00067	.00013	.00003	.00364	.00006
%RSD	.32994	599.29	1.7586	.48876	58.762	.41442	81.768
#1	.05190	-.00040	.03867	H.02651	.00007	H.87967	.00013
#2	.05166	.00025	.03772	H.02633	.00003	H.87453	.00003
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC High	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00032	.00027	.00315	H.05479	H1.3188	.16037	.00192
SDev	.00025	.00027	.00019	.00964	.0026	.00423	.00001
%RSD	77.329	101.26	6.1702	17.593	.20044	2.6388	.40406
#1	-.00015	.00046	.00301	H.06160	H1.3169	.16336	.00192
#2	-.00050	.00008	.00328	.04797	H1.3207	.15738	.00193
Errors	LC Pass	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	H1800.3	.00118	.00131	-.00015	.00034	.00323
SDev	.00073	4.0	.00057	.00030	.00113	.00085	.00019
%RSD	203.76	.22477	48.189	22.665	746.00	252.94	5.9887
#1	.00016	H1803.2	.00159	.00152	.00065	.00094	.00309
#2	-.00087	H1797.5	.00078	.00110	-.00095	-.00027	.00337
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00163	.00596	.00187	.00112	-.00740	.00016	H.03500
SDev	.00243	.00349	.00203	.00005	.00217	.00023	.00053
%RSD	149.30	58.542	109.01	4.6018	29.257	144.44	1.5150
#1	-.00334	.00842	.00043	.00115	-.00893	-.00000	H.03537
#2	.00009	.00349	.00330	.00108	-.00587	.00032	H.03462
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00344	-.00041
SDev	.00149	.00017
%RSD	43.269	41.537
#1	.00449	-.00053
#2	.00239	-.00029
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3357	--	--	--	--	--	--
SDev	17.39472	--	--	--	--	--	--
%RSD	.5182322	--	--	--	--	--	--
#1	3344	--	--	--	--	--	--
#2	3369	--	--	--	--	--	--

Analysis Report 08/02/04 07:19:51 PM page 1

Method: TRACE2 Sample Name: AD439529/EBLK Operator: SW
Run Time: 08/02/04 19:15:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00670	.00266	.01954	.00117	.00012	.13144	-.00007
SDev	.00168	.00220	.00030	.00003	.00002	.00036	.00009
%RSD	25.031	82.617	1.5296	2.9952	19.001	.27555	141.11
#1	.00788	.00422	.01975	.00119	.00010	.13169	-.00000
#2	.00551	.00111	.01933	.00114	.00013	.13118	-.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00011	.00029	.00053	.01485	H1.2250	.02534	.00031
SDev	.00065	.00017	.00004	.00422	.0035	.00081	.00003
%RSD	590.98	58.261	8.2490	28.408	.28927	3.1807	10.772
#1	.00035	.00041	.00050	.01783	H1.2275	.02591	.00034
#2	-.00057	.00017	.00056	.01187	H1.2225	.02477	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00020	H1856.5	.00063	.00230	-.00336	-.00148	.00435
SDev	.00062	3.1	.00027	.00437	.00121	.00065	.00227
%RSD	314.45	.16783	42.237	190.18	36.003	43.851	52.085
#1	-.00024	H1854.3	.00082	-.00079	-.00251	-.00194	.00275
#2	.00063	H1858.7	.00044	.00539	-.00422	-.00102	.00595
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00060	.00789	.00258	.00040	-.00392	.00000	.00684
SDev	.00120	.00266	.00207	.00019	.00204	.00015	.00015
%RSD	198.11	33.763	80.090	46.863	51.945	163400.	2.1947
#1	.00145	.00600	.00112	.00027	-.00248	.00011	.00694
#2	-.00024	.00977	.00404	.00054	-.00537	-.00011	.00673
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00436	.00021
SDev	.00140	.00026
%RSD	32.218	120.76
#1	.00337	.00039
#2	.00535	.00003
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3312	--	--	--	--	--	--
SDev	28.05432	--	--	--	--	--	--
%RSD	.8471563	--	--	--	--	--	--
#1	3331	--	--	--	--	--	--
#2	3292	--	--	--	--	--	--

Analysis Report 08/02/04 07:24:15 PM page 1

Method: TRACE2 Sample Name: AD439528/LCS Operator: SW
Run Time: 08/02/04 19:19:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.6353	.19880	.22000	.21061	.19046	10.401	.19269
SDev	.0206	.00062	.00076	.00004	.00018	.005	.00059
%RSD	.21425	.31037	.34622	.02054	.09317	.04992	.30554
#1	9.6207	.19837	.21946	.21058	.19033	10.397	.19227
#2	9.6499	.19924	.22054	.21064	.19058	10.405	.19311
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000		.23000	.23000	11.500	.23000
Low	8.5000	.17000		.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19301	.18852	.20261	.43915	H15.497	9.5351	.19826
SDev	.00000	.00016	.00049	.00024	.019	.0145	.00009
%RSD	.00098	.08592	.24266	.05509	.12484	.15204	.04598
#1	.19301	.18841	.20226	.43898	H15.483	9.5248	.19820
#2	.19301	.18864	.20296	.43932	H15.510	9.5453	.19833
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.23000	.23000	.23000	.46000	11.500	11.500	.23000
Low	.17000	.17000	.17000	.34000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19447	H1762.8	.18445	.19887	.19330	.19516	.20588
SDev	.00133	5.2	.00011	.00184	.00225	.00088	.00204
%RSD	.68531	.29487	.05768	.92646	1.1617	.45311	.99099
#1	.19353	H1759.1	.18438	.19757	.19489	.19578	.20732
#2	.19541	H1766.4	.18453	.20017	.19171	.19453	.20443
Errors	NOCHECK	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		11.500	.23000			.23000	.23000
Low		8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19636	.20181	.20791	.19185	.18937	.19347	.22465
SDev	.00155	.00181	.00215	.00020	.00161	.00013	.00026
%RSD	.78990	.89751	1.0364	.10442	.84768	.06678	.11667
#1	.19526	.20309	.20944	.19171	.18823	.19356	.22484
#2	.19745	.20053	.20639	.19199	.19050	.19338	.22447
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.17609	.04870
SDev	.00156	.00007
%RSD	.88600	.14685
#1	.17720	.04865
#2	.17499	.04875
Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3328	--	--	--	--	--	--
SDev	12.67492	--	--	--	--	--	--
%RSD	.3808556	--	--	--	--	--	--
#1	3337	--	--	--	--	--	--
#2	3319	--	--	--	--	--	--

Analysis Report 08/02/04 07:28:39 PM page 1

Method: TRACE2 Sample Name: AD439527/LCS Operator: SW
Run Time: 08/02/04 19:24:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.000	.20734	.20978	.19402	.19690	10.038	.20007
SDev	.058	.00146	.00003	.00084	.00050	.001	.00034
%RSD	.58458	.70668	.01385	.43350	.25339	.00645	.16939
#1	10.042	.20630	.20976	.19462	.19726	10.039	.20031
#2	9.9589	.20838	.20980	.19343	.19655	10.038	.19983
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000		.23000	.23000	11.500	.23000
Low	8.5000	.17000		.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19899	.19415	.20567	.42343	H15.998	9.7275	.20210
SDev	.00053	.00024	.00112	.00085	.135	.0102	.00078
%RSD	.26905	.12282	.54323	.19955	.84139	.10522	.38515
#1	.19937	.19432	.20646	.42283	H16.093	9.7347	.20265
#2	.19862	.19399	.20488	.42402	H15.903	9.7202	.20154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.23000	.23000	.23000	.46000	11.500	11.500	.23000
Low	.17000	.17000	.17000	.34000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20042	H1837.3	.19181	.20365	.19877	.20039	.21307
SDev	.00021	10.4	.00047	.00010	.00095	.00060	.00072
%RSD	.10540	.56502	.24358	.04647	.47653	.29954	.33914
#1	.20027	H1844.6	.19148	.20372	.19810	.19997	.21358
#2	.20057	H1829.9	.19214	.20358	.19944	.20082	.21256
Errors	NOCHECK	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		11.500	.23000			.23000	.23000
Low		8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20107	.21488	.21217	.19767	.20022	.19956	.20437
SDev	.00057	.00571	.00177	.00020	.00151	.00037	.00003
%RSD	.28414	2.6564	.83425	.10285	.75607	.18715	.01421
#1	.20148	.21891	.21092	.19781	.20129	.19982	.20435
#2	.20067	.21084	.21342	.19752	.19915	.19929	.20439
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.18103	.04354
SDev	.00123	.00155
%RSD	.67943	3.5638
#1	.18016	L.04244
#2	.18190	.04464
Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3322	--	--	--	--	--	--
SDev	51.60119	--	--	--	--	--	--
%RSD	1.553136	--	--	--	--	--	--
#1	3359	--	--	--	--	--	--
#2	3286	--	--	--	--	--	--

Analysis Report 08/02/04 07:33:03 PM page 1

Method: TRACE2 Sample Name: AD439514 Operator: SW
Run Time: 08/02/04 19:28:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09265	.00314	.05698	.09340	.00019	2.7150	.00720
SDev	.00092	.00122	.00192	.00001	.00001	.0006	.00022
%RSD	.99357	38.701	3.3661	.01093	4.4689	.02060	3.0811
#1	.09330	.00228	.05562	.09340	.00020	2.7154	.00736
#2	.09200	.00400	.05833	.09341	.00019	2.7146	.00704
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00262	.04466	.08304	2.3468	.57684	.03065
SDev	.00013	.00014	.00011	.01268	.0439	.00368	.00000
%RSD	201.61	5.2255	.24186	15.267	1.8686	.63801	.01392
#1	-.00016	.00271	.04459	.09201	2.3158	.57424	.03065
#2	.00003	.00252	.04474	.07408	2.3778	.57944	.03066
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00147	H1907.5	.00526	.00321	.00412	.00381	.00536
SDev	.00003	.2	.00017	.00290	.00001	.00096	.00554
%RSD	1.7679	.01212	3.1574	90.358	.32630	25.056	103.35
#1	.00145	H1907.7	.00538	.00116	.00413	.00314	.00144
#2	.00149	H1907.4	.00515	.00525	.00411	.00449	.00928
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00956	.01078	.00266	.00038	-.00953	.00012	2.0283
SDev	.00276	.00596	.00533	.00012	.00019	.00000	.0002
%RSD	28.866	55.343	200.68	31.047	2.0009	.67616	.00829
#1	.01151	.00656	-.00111	.00029	-.00939	.00012	2.0282
#2	.00761	.01499	.00643	.00046	-.00966	.00012	2.0285
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00905	-.00020
SDev	.00067	.00033
%RSD	7.4219	162.88
#1	.00858	-.00044
#2	.00953	.00003
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3284	--	--	--	--	--	--
SDev	7.530791	--	--	--	--	--	--
%RSD	.2293316	--	--	--	--	--	--
#1	3278	--	--	--	--	--	--
#2	3289	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 07:38:47 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/02/04 19:34:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.593	.49231	.48874	.49269	.50954	25.494	.49072
SDev	.047	.00040	.00183	.00004	.00072	.028	.00065
%RSD	.18177	.08111	.37432	.00787	.14057	.11134	.13288
#1	25.560	.49259	.48745	.49266	.50904	25.474	.49026
#2	25.626	.49202	.49004	.49272	.51005	25.514	.49118
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50169	.49173	.52862	25.402	25.274	25.081	.51541
SDev	.00309	.00219	.00003	.114	.067	.054	.00158
%RSD	.61680	.44477	.00565	.44986	.26366	.21572	.30702
#1	.49950	.49019	.52864	25.322	25.227	25.043	.51429
#2	.50388	.49328	.52860	25.483	25.321	25.119	.51653
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48954	25.532	.49973	.49950	.50310	.50190	.50566
SDev	.00208	.219	.00105	.00091	.00136	.00061	.00345
%RSD	.42393	.85849	.21093	.18133	.27089	.12102	.68175
#1	.48807	25.377	.49898	.50014	.50214	.50147	.50322
#2	.49101	25.687	.50047	.49886	.50407	.50233	.50810
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50705	.50287	.50706	.50670	.51361	.49912	.49303
SDev	.00277	.00243	.00639	.00040	.00073	.00108	.00124
%RSD	.54665	.48342	1.2595	.07880	.14293	.21677	.25139
#1	.50901	.50458	.50255	.50642	.51412	.49836	.49216
#2	.50509	.50115	.51158	.50698	.51309	.49989	.49391
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.49073	.50151
SDev	.00228	.00072
%RSD	.46462	.14436
#1	.49234	.50100
#2	.48912	.50202
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3386	--	--	--	--	--	--
SDev	9.439772	--	--	--	--	--	--
%RSD	.2788047	--	--	--	--	--	--
#1	3392	--	--	--	--	--	--
#2	3379	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 07:43:11 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/02/04 19:38:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02874	-.00072	.00033	.00019	.00044	.04010	.00004
SDev	.00001	.00126	.00007	.00004	.00002	.00011	.00003
%RSD	.04247	173.74	21.010	19.596	5.0880	.27677	70.740
#1	.02873	.00017	.00038	.00022	.00042	.04002	.00002
#2	.02875	-.00161	.00028	.00016	.00045	.04017	.00007
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00016	-.00007	.00125	.00469	.01832	.03257	.00023
SDev	.00052	.00012	.00022	.00888	.00876	.00324	.00006
%RSD	321.41	172.79	17.389	189.19	47.784	9.9584	25.362
#1	.00021	.00001	.00110	.01097	.01213	.03028	.00019
#2	-.00053	-.00015	.00141	-.00159	.02452	.03486	.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	.24724	-.00009	.00165	-.00086	-.00002	.00154
SDev	.00007	.10618	.00030	.00135	.00245	.00118	.00067
%RSD	6.2592	42.944	320.27	81.453	284.88	5166.8	43.763
#1	.00123	.32232	.00012	.00070	.00087	.00081	.00106
#2	.00113	.17216	-.00031	.00260	-.00259	-.00086	.00202
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00117	.00239	.00112	.00049	-.00414	-.00028	.00039
SDev	.00023	.00067	.00135	.00004	.00149	.00024	.00007
%RSD	19.449	28.137	120.69	7.2377	35.945	87.250	18.698
#1	-.00133	.00286	.00016	.00052	-.00309	-.00045	.00034
#2	-.00101	.00191	.00207	.00047	-.00520	-.00011	.00044
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00040	.00009
SDev	.00007	.00003
%RSD	18.680	30.533
#1	.00045	.00012
#2	.00035	.00007
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3255	--	--	--	--	--	--
SDev	5.621464	--	--	--	--	--	--
%RSD	.1727263	--	--	--	--	--	--
#1	3259	--	--	--	--	--	--
#2	3251	--	--	--	--	--	--

Analysis Report 08/02/04 07:47:35 PM page 1

Method: TRACE2 Sample Name: AD439514/L (1:5) Operator: SW
Run Time: 08/02/04 19:43:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02780	-.00136	.01177	.01898	.00003	.56460	.00134
SDev	.00030	.00122	.00062	.00003	.00005	.00118	.00008
%RSD	1.0886	89.782	5.2402	.16343	145.27	.20889	6.0021
#1	.02801	-.00050	.01220	.01896	.00006	.56377	.00139
#2	.02758	-.00222	.01133	.01900	-.00000	.56544	.00128
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00083	.00964	.01962	.38287	.12362	.00631
SDev	.00027	.00005	.00025	.00507	.01433	.00225	.00002
%RSD	1516.9	6.0103	2.5803	25.830	3.7421	1.8178	.24249
#1	.00018	.00086	.00981	.02320	.39300	.12203	.00632
#2	-.00021	.00079	.00946	.01604	.37274	.12521	.00630
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	H344.95	.00106	-.00009	-.00012	-.00011	.00153
SDev	.00068	.24	.00045	.00033	.00026	.00006	.00460
%RSD	99.162	.06963	42.102	376.16	221.18	59.747	300.32
#1	.00117	H344.78	.00137	.00014	-.00030	-.00015	-.00172
#2	.00020	H345.12	.00074	-.00032	.00007	-.00006	.00479
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00198	.00364	.00048	.00033	-.00387	-.00012	.40977
SDev	.00119	.00279	.00551	.00024	.00159	.00000	.00184
%RSD	60.186	76.736	1144.9	72.623	41.155	1.6444	.44796
#1	.00282	.00166	-.00342	.00050	-.00274	-.00012	.41106
#2	.00114	.00561	.00438	.00016	-.00499	-.00012	.40847
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00219	.00022
SDev	.00027	.00050
%RSD	12.284	225.46
#1	.00200	.00057
#2	.00238	-.00013
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3451	--	--	--	--	--	--
SDev	27.36517	--	--	--	--	--	--
%RSD	.7929865	--	--	--	--	--	--
#1	3432	--	--	--	--	--	--
#2	3470	--	--	--	--	--	--

Analysis Report 08/02/04 07:51:59 PM page 1

Method: TRACE2 Sample Name: AD439515/MS Operator: SW
Run Time: 08/02/04 19:47:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.218	.21089	.24478	.28451	.19791	12.601	.20717
SDev	.025	.00128	.00019	.00081	.00019	.015	.00028
%RSD	.24749	.60676	.07849	.28579	.09852	.12075	.13694
#1	10.200	.21180	.24492	.28394	.19778	12.590	.20697
#2	10.236	.20999	.24464	.28509	.19805	12.612	.20737
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20157	.19862	.25379	.48797	17.358	10.365	.23432
SDev	.00053	.00080	.00024	.00050	.032	.001	.00035
%RSD	.26092	.40263	.09448	.10250	.18241	.01230	.14861
#1	.20194	.19918	.25362	.48762	17.336	10.366	.23407
#2	.20120	.19805	.25396	.48833	17.381	10.364	.23457
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20225	H1877.2	.19945	.20679	.20491	.20554	.21589
SDev	.00025	.7	.00029	.00282	.00200	.00040	.00278
%RSD	.12547	.03520	.14633	1.3624	.97538	.19215	1.2892
#1	.20243	H1876.7	.19924	.20480	.20633	.20582	.21786
#2	.20207	H1877.6	.19965	.20879	.20350	.20526	.21393
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21665	.22489	.21140	.19899	.19999	.20137	2.1649
SDev	.00276	.01019	.00092	.00046	.00342	.00000	.0005
%RSD	1.2739	4.5313	.43522	.23342	1.7106	.00002	.02234
#1	.21860	.23210	.21075	.19866	.19757	.20137	2.1646
#2	.21470	.21768	.21205	.19932	.20240	.20137	2.1653
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.18816	.04975
SDev	.00132	.00026
%RSD	.70253	.51631
#1	.18909	.04957
#2	.18722	.04993
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3281	--	--	--	--	--	--
SDev	26.03917	--	--	--	--	--	--
%RSD	.7935294	--	--	--	--	--	--
#1	3263	--	--	--	--	--	--
#2	3300	--	--	--	--	--	--

Analysis Report 08/02/04 07:56:23 PM page 1

Method: TRACE2 Sample Name: AD439516/SD Operator: SW
Run Time: 08/02/04 19:52:03
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.245	.21199	.24537	.28410	.19788	12.585	.20677
SDev	.041	.00103	.00029	.00070	.00075	.040	.00083
%RSD	.40101	.48444	.11772	.24596	.37655	.31760	.40085
#1	10.216	.21127	.24517	.28361	.19736	12.557	.20619
#2	10.274	.21272	.24558	.28460	.19841	12.613	.20736
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20083	.19944	.25400	.48647	17.445	10.348	.23444
SDev	.00096	.00110	.00051	.00125	.023	.034	.00087
%RSD	.47771	.55337	.19872	.25785	.12922	.32737	.37053
#1	.20015	.19866	.25364	.48558	17.429	10.324	.23382
#2	.20150	.20023	.25435	.48736	17.461	10.372	.23505
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20211	H1882.8	.19782	.20680	.20576	.20611	.21449
SDev	.00100	6.6	.00101	.00264	.00221	.00235	.00288
%RSD	.49568	.35172	.51250	1.2765	1.0720	1.1403	1.3430
#1	.20140	H1878.1	.19710	.20494	.20420	.20444	.21246
#2	.20281	H1887.5	.19854	.20867	.20732	.20777	.21653
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21538	.21191	.21579	.19905	.20098	.20148	2.1600
SDev	.00120	.00042	.00453	.00056	.00139	.00070	.0079
%RSD	.55933	.19623	2.0987	.28077	.69238	.34929	.36732
#1	.21453	.21220	.21259	.19866	.19999	.20098	2.1544
#2	.21623	.21161	.21899	.19945	.20196	.20198	2.1656
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.18595	.05010
SDev	.00228	.00015
%RSD	1.2282	.30457
#1	.18434	.05021
#2	.18757	.04999
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3288	--	--	--	--	--	--
SDev	23.17536	--	--	--	--	--	--
%RSD	.7048385	--	--	--	--	--	--
#1	3304	--	--	--	--	--	--
#2	3272	--	--	--	--	--	--

Analysis Report 08/02/04 08:00:48 PM page 1

Method: TRACE2 Sample Name: AD439517 Operator: SW
Run Time: 08/02/04 19:56:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76680	.00391	.18164	.50219	.00048	H555.34	.00103
SDev	.00044	.00058	.00014	.00069	.00002	.89	.00002
%RSD	.05770	14.881	.07700	.13845	4.3257	.16087	1.8085
#1	.76711	.00350	.18154	.50169	.00049	H555.97	.00102
#2	.76649	.00432	.18174	.50268	.00046	H554.71	.00105
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00924	-.00008	.00484	.57044	5.7778	24.435	2.0179
SDev	.00037	.00063	.00070	.00741	.0221	.021	.0042
%RSD	4.0144	766.61	14.480	1.2985	.38193	.08415	.20878
#1	.00898	-.00053	.00435	.56520	5.7934	24.420	2.0149
#2	.00950	.00036	.00534	.57568	5.7622	24.449	2.0209
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00433	H1800.7	.01890	.00043	-.00098	-.00051	.00550
SDev	.00047	2.6	.00047	.00118	.00110	.00113	.00093
%RSD	10.951	.14617	2.5050	277.60	112.28	219.79	16.917
#1	.00467	H1798.8	.01856	.00126	-.00020	.00028	.00616
#2	.00400	H1802.5	.01923	-.00041	-.00176	-.00131	.00485
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00126	.00518	.00567	.02545	-.00629	.00230	.04048
SDev	.00032	.00229	.00025	.00085	.00087	.00080	.00020
%RSD	25.762	44.202	4.4439	3.3463	13.786	34.585	.49219
#1	-.00149	.00680	.00584	.02485	-.00690	.00174	.04063
#2	-.00103	.00356	.00549	.02605	-.00568	.00287	.04034
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00478	-.00027
SDev	.00171	.00061
%RSD	35.810	223.99
#1	.00599	-.00070
#2	.00357	.00016
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3222	--	--	--	--	--	--
SDev	21.42537	--	--	--	--	--	--
%RSD	.6650330	--	--	--	--	--	--
#1	3207	--	--	--	--	--	--
#2	3237	--	--	--	--	--	--

Analysis Report 08/02/04 08:05:12 PM page 1

Method: TRACE2 Sample Name: AD439518 Operator: SW
Run Time: 08/02/04 20:00:51
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05974	.00047	.39109	1.3171	.00011	65.739	.19921
SDev	.00269	.00000	.00153	.0012	.00001	.035	.00048
%RSD	4.4998	.34795	.39062	.09227	7.5839	.05338	.24319
#1	.06165	.00047	.39217	1.3163	.00012	65.763	.19955
#2	.05784	.00048	.39001	1.3180	.00010	65.714	.19887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00758	.00967	2.2436	9.2307	9.4804	1.4881	.39402
SDev	.00022	.00041	.0020	.0058	.0183	.0023	.00026
%RSD	2.8641	4.2421	.09002	.06296	.19317	.15239	.06676
#1	.00774	.00996	2.2422	9.2348	9.4675	1.4897	.39421
#2	.00743	.00938	2.2451	9.2266	9.4934	1.4865	.39384
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04281	H1888.7	.12832	.73299	.71909	.72372	.00373
SDev	.00005	4.8	.00123	.00057	.00145	.00115	.00237
%RSD	.10665	.25611	.95559	.07728	.20118	.15940	63.493
#1	.04277	H1885.3	.12918	.73339	.72011	.72453	.00206
#2	.04284	H1892.1	.12745	.73259	.71807	.72290	.00541
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02522	.00624	.00248	.00067	-.00755	.00080	H9.5288
SDev	.00220	.00556	.00078	.00016	.00042	.00008	.0225
%RSD	8.7075	89.101	31.310	24.710	5.6204	9.7014	.23635
#1	.02366	.00231	.00193	.00079	-.00785	.00086	H9.5447
#2	.02677	.01017	.00303	.00055	-.00725	.00075	H9.5128
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00313	.00014
SDev	.00113	.00030
%RSD	36.126	213.15
#1	.00393	.00035
#2	.00233	-.00007
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3319	--	--	--	--	--	--
SDev	3.394147	--	--	--	--	--	--
%RSD	.1022510	--	--	--	--	--	--
#1	3322	--	--	--	--	--	--
#2	3317	--	--	--	--	--	--

Analysis Report 08/02/04 08:09:36 PM page 1

Method: TRACE2 Sample Name: AD439518/L (1:5) Operator: SW
Run Time: 08/02/04 20:05:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01963	-.00033	.07718	.27094	-.00004	13.593	.04081
SDev	.00158	.00059	.00131	.00119	.00005	.079	.00038
%RSD	8.0490	176.52	1.7005	.43721	128.24	.57903	.92122
#1	.02075	.00008	.07811	.27178	-.00000	13.648	.04107
#2	.01851	-.00075	.07625	.27011	-.00008	13.537	.04054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00149	.00172	.45084	1.8679	1.4956	.30316	.07931
SDev	.00005	.00029	.00100	.0351	.0242	.00714	.00046
%RSD	3.2611	16.736	.22144	1.8785	1.6161	2.3555	.58031
#1	.00145	.00152	.45155	1.8927	1.5127	.30821	.07963
#2	.00152	.00192	.45014	1.8431	1.4785	.29811	.07898
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00825	H342.10	.02609	.14866	.14396	.14553	.00153
SDev	.00010	.77	.00016	.00419	.00068	.00185	.00115
%RSD	1.1737	.22569	.61071	2.8164	.47452	1.2712	75.290
#1	.00832	H342.64	.02598	.15163	.14445	.14684	.00234
#2	.00818	H341.55	.02621	.14570	.14348	.14422	.00071
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00356	.00029	.00214	.00032	-.00520	-.00004	1.9369
SDev	.00458	.00092	.00218	.00021	.00185	.00000	.0160
%RSD	128.67	316.26	101.84	65.993	35.451	8.3313	.82595
#1	.00679	-.00036	.00369	.00046	-.00651	-.00004	1.9483
#2	.00032	.00094	.00060	.00017	-.00390	-.00004	1.9256
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00100	-.00000
SDev	.00050	.00043
%RSD	49.711	23686.
#1	.00065	.00030
#2	.00135	-.00031
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3440	--	--	--	--	--	--
SDev	43.91140	--	--	--	--	--	--
%RSD	1.276374	--	--	--	--	--	--
#1	3409	--	--	--	--	--	--
#2	3471	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 08:37:21 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/02/04 20:33:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02425	-.00179	.00127	.00025	.00030	.03239	.00006
SDev	.00008	.00042	.00056	.00003	.00003	.00125	.00010
%RSD	.32908	23.612	43.751	10.112	8.8111	3.8524	159.76
#1	.02420	-.00149	.00167	.00027	.00032	.03327	.00013
#2	.02431	-.00209	.00088	.00023	.00029	.03151	-.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00040	-.00002	-.00069	.01648	.00349	.02566	.00024
SDev	.00012	.00052	.00017	.01002	.02292	.00226	.00006
%RSD	30.194	2769.8	24.183	60.819	657.20	8.7909	23.430
#1	-.00032	-.00039	-.00057	.02357	-.01272	.02407	.00028
#2	-.00049	.00035	-.00081	.00939	.01970	.02726	.00020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00048	.25671	.00017	-.00000	-.00116	-.00078	-.00112
SDev	.00007	.07919	.00012	.00063	.00047	.00010	.00115
%RSD	15.386	30.850	71.065	19509.	40.180	13.003	102.55
#1	.00053	.31270	.00026	-.00045	-.00083	-.00071	-.00031
#2	.00043	.20071	.00009	.00044	-.00149	-.00085	-.00194
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00062	.00197	-.00267	.00027	-.00186	-.00023	.00031
SDev	.00057	.00379	.00362	.00003	.00016	.00000	.00014
%RSD	92.303	192.62	135.77	10.984	8.6939	.12340	45.502
#1	.00102	-.00071	-.00011	.00025	-.00175	-.00023	.00041
#2	.00021	.00465	-.00523	.00029	-.00198	-.00023	.00021
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00012	.00005
SDev	.00102	.00045
%RSD	883.47	981.96
#1	.00083	-.00027
#2	-.00060	.00036
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3393	--	--	--	--	--	--
SDev	13.25825	--	--	--	--	--	--
%RSD	.3907272	--	--	--	--	--	--
#1	3384	--	--	--	--	--	--
#2	3403	--	--	--	--	--	--

Analysis Report 08/02/04 08:41:45 PM page 1

Method: TRACE2 Sample Name: AD439522/MS Operator: SW
Run Time: 08/02/04 20:37:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.2760	.18494	.21839	.66003	.18038	49.995	.18097
SDev	.0004	.00148	.00028	.00010	.00005	.051	.00033
%RSD	.00403	.80191	.12661	.01435	.02530	.10148	.18269
#1	9.2762	.18389	.21859	.66010	.18041	50.031	.18120
#2	9.2757	.18599	.21820	.65996	.18035	49.959	.18073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18054	.18062	.25215	2.4337	15.082	22.300	.29122
SDev	.00018	.00004	.00002	.0010	.001	.007	.00026
%RSD	.09829	.02310	.00812	.04014	.00582	.03363	.08804
#1	.18067	.18065	.25214	2.4344	15.081	22.305	.29104
#2	.18042	.18059	.25216	2.4331	15.083	22.295	.29140
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18482	H1688.4	.26801	.22184	.21842	.21956	.19401
SDev	.00006	2.1	.00027	.00053	.00052	.00052	.00491
%RSD	.03531	.12507	.10097	.23900	.23583	.23690	2.5296
#1	.18478	H1686.9	.26820	.22147	.21806	.21919	.19748
#2	.18487	H1689.9	.26782	.22222	.21879	.21993	.19054
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.27138	.19236	.19484	.18136	.18225	.18490	.50371
SDev	.00051	.01387	.00043	.00024	.00356	.00034	.00067
%RSD	.18829	7.2103	.21905	.13434	1.9559	.18244	.13314
#1	.27102	.20216	.19514	.18153	.18477	.18514	.50323
#2	.27174	.18255	.19454	.18118	.17972	.18466	.50418
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.16249	.04463
SDev	.00120	.00018
%RSD	.74147	.40439
#1	.16334	.04450
#2	.16164	.04476
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3390	--	--	--	--	--	--
SDev	3.341149	--	--	--	--	--	--
%RSD	.0985579	--	--	--	--	--	--
#1	3388	--	--	--	--	--	--
#2	3392	--	--	--	--	--	--

Analysis Report 08/02/04 08:46:10 PM page 1

Method: TRACE2 Sample Name: AD439523/SD Operator: SW
Run Time: 08/02/04 20:41:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.6386	.19245	.22665	.68379	.18733	51.777	.18746
SDev	.0201	.00057	.00146	.00008	.00005	.048	.00011
%RSD	.20895	.29799	.64416	.01146	.02895	.09285	.06102
#1	9.6529	.19204	.22561	.68384	.18737	51.811	.18738
#2	9.6244	.19285	.22768	.68373	.18729	51.743	.18754
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18743	.18755	.26060	2.5147	15.568	23.137	.30310
SDev	.00056	.00100	.00022	.0038	.045	.047	.00019
%RSD	.29644	.53516	.08604	.14981	.29062	.20337	.06298
#1	.18782	.18826	.26044	2.5174	15.600	23.170	.30324
#2	.18703	.18684	.26076	2.5121	15.536	23.104	.30297
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19121	H1746.1	.27642	.22802	.22579	.22654	.19771
SDev	.00067	5.2	.00019	.00251	.00014	.00093	.00273
%RSD	.35097	.29832	.06919	1.1014	.06166	.41016	1.3787
#1	.19073	H1749.8	.27656	.22980	.22589	.22719	.19964
#2	.19168	H1742.4	.27629	.22625	.22570	.22588	.19578
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.28427	.19663	.19825	.18803	.18669	.19061	.52450
SDev	.00108	.00327	.00245	.00002	.00385	.00010	.00041
%RSD	.38004	1.6649	1.2368	.01084	2.0611	.05111	.07840
#1	.28504	.19895	.19998	.18801	.18396	.19068	.52479
#2	.28351	.19432	.19652	.18804	.18941	.19054	.52421
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.16783	.04606
SDev	.00006	.00010
%RSD	.03619	.22127
#1	.16778	.04599
#2	.16787	.04614
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3279	--	--	--	--	--	--
SDev	15.43274	--	--	--	--	--	--
%RSD	.4706593	--	--	--	--	--	--
#1	3268	--	--	--	--	--	--
#2	3290	--	--	--	--	--	--

Analysis Report 08/02/04 08:50:34 PM page 1

Method: TRACE2 Sample Name: AD439524 Operator: SW
Run Time: 08/02/04 20:46:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	213.14	.58432	.12353	.28439	.02318	H301.83	.29364
SDev	.08	.00014	.00002	.00045	.00002	.32	.00004
%RSD	.03865	.02446	.01669	.15706	.06732	.10598	.01448
#1	213.08	.58442	.12355	.28470	.02319	H301.60	.29361
#2	213.19	.58422	.12352	.28407	.02317	H302.05	.29367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5236	3.0112	20.647	470.41	44.314	86.619	H25.000
SDev	.0012	.0000	.023	.05	.030	.027	.005
%RSD	.04706	.00027	.11361	.01013	.06840	.03145	.01891
#1	2.5244	3.0112	20.664	470.45	44.293	86.638	H25.004
#2	2.5227	3.0112	20.631	470.38	44.335	86.599	H24.997
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.28730	H2899.2	H241.98	.43257	.34302	.37284	.00165
SDev	.00010	.9	.42	.00706	.00181	.00114	.00149
%RSD	.03452	.02937	.17207	1.6330	.52800	.30688	90.388
#1	.28723	H2898.6	H241.69	.43756	.34174	.37365	.00059
#2	.28737	H2899.8	H242.27	.42757	.34430	.37203	.00270
Errors	LC Pass	LC High	LC High	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09059	.00771	-.00139	.66060	L-.02266	10.164	H86.318
SDev	.00041	.00208	.00327	.00220	.00014	.000	.044
%RSD	.45736	26.903	235.52	.33329	.63417	.00031	.05126
#1	.09088	.00918	-.00370	.65905	L-.02276	10.164	H86.286
#2	.09029	.00624	.00092	.66216	L-.02256	10.164	H86.349
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC High
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04587	.00051
SDev	.00214	.00016
%RSD	4.6666	31.747
#1	.04738	.00039
#2	.04436	.00062
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3578	--	--	--	--	--	--
SDev	11.13693	--	--	--	--	--	--
%RSD	.3112853	--	--	--	--	--	--
#1	3586	--	--	--	--	--	--
#2	3570	--	--	--	--	--	--

Analysis Report 08/02/04 08:54:59 PM page 1

Method: TRACE2 Sample Name: AD439524/L (1:5) Operator: SW
Run Time: 08/02/04 20:50:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	45.756	.12290	.02697	.06165	.00492	69.938	.06511
SDev	.228	.00016	.00012	.00029	.00001	.252	.00025
%RSD	.49931	.12814	.44838	.47438	.28447	.35971	.38302
#1	45.595	.12279	.02706	.06144	.00491	69.760	.06493
#2	45.918	.12301	.02689	.06186	.00493	70.116	.06529
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.55372	.65758	4.2421	103.83	7.6344	18.854	5.6905
SDev	.00235	.00312	.0257	.40	.0283	.064	.0203
%RSD	.42435	.47506	.60599	.38691	.37038	.33714	.35608
#1	.55205	.65537	4.2239	103.54	7.6144	18.809	5.6762
#2	.55538	.65979	4.2603	104.11	7.6544	18.899	5.7048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06200	H580.58	H55.674	.09311	.07378	.08022	.00206
SDev	.00007	3.05	.282	.00116	.00006	.00034	.00087
%RSD	.11341	.52521	.50648	1.2456	.08405	.42988	42.262
#1	.06195	H578.42	H55.475	.09393	.07374	.08046	.00145
#2	.06205	H582.73	H55.874	.09229	.07382	.07997	.00268
Errors	LC Pass	LC High	LC High	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01709	.00244	.00187	.14231	-.00529	2.2023	H21.683
SDev	.00160	.00230	.00016	.00072	.00356	.0100	.065
%RSD	9.3638	94.102	8.4640	.50263	67.219	.45404	.29858
#1	.01596	.00082	.00176	.14180	-.00781	2.1952	H21.637
#2	.01822	.00407	.00199	.14282	-.00278	2.2093	H21.729
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.01016	.00024
SDev	.00060	.00102
%RSD	5.8772	433.26
#1	.00974	-.00049
#2	.01058	.00096
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3602	--	--	--	--	--	--
SDev	10.87177	--	--	--	--	--	--
%RSD	.3018394	--	--	--	--	--	--
#1	3610	--	--	--	--	--	--
#2	3594	--	--	--	--	--	--

Analysis Report 08/02/04 08:59:23 PM page 1

Method: TRACE2 Sample Name: AD439525/MS Operator: SW
Run Time: 08/02/04 20:55:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	205.38	.69948	.27046	.34742	.18481	289.94	.43278
SDev	.26	.00135	.00031	.00022	.00027	.37	.00056
%RSD	.12887	.19251	.11522	.06314	.14582	.12707	.12909
#1	205.19	.69853	.27024	.34726	.18462	289.68	.43239
#2	205.56	.70043	.27068	.34757	.18500	290.20	.43318
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.4919	2.9390	19.211	433.49	52.225	88.572	H23.387
SDev	.0042	.0052	.018	.92	.001	.139	.036
%RSD	.16889	.17772	.09238	.21150	.00167	.15698	.15499
#1	2.4889	2.9353	19.199	432.84	52.226	88.473	H23.362
#2	2.4949	2.9427	19.224	434.14	52.224	88.670	H23.413
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41161	H2730.7	H228.88	.54443	.45853	.48714	.18240
SDev	.00046	4.8	.20	.00155	.00220	.00198	.00126
%RSD	.11216	.17417	.08569	.28398	.47951	.40674	.69090
#1	.41129	H2727.4	H228.74	.54333	.45698	.48573	.18329
#2	.41194	H2734.1	H229.02	.54552	.46009	.48854	.18151
Errors	LC Pass	LC High	LC High	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24464	.19210	.17756	.76006	.13835	9.1812	H81.435
SDev	.00199	.00227	.00302	.00072	.00263	.0101	.096
%RSD	.81249	1.1795	1.7027	.09437	1.8986	.11053	.11729
#1	.24323	.19050	.17970	.76057	.14021	9.1740	H81.367
#2	.24605	.19370	.17542	.75956	.13650	9.1883	H81.502
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.18750	.04409
SDev	.00002	.00029
%RSD	.00915	.64965
#1	.18751	.04429
#2	.18748	.04388
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3465	--	--	--	--	--	--
SDev	7.689786	--	--	--	--	--	--
%RSD	.2219106	--	--	--	--	--	--
#1	3471	--	--	--	--	--	--
#2	3460	--	--	--	--	--	--

Analysis Report 08/02/04 09:03:48 PM page 1

Method: TRACE2 Sample Name: AD439526/SD Operator: SW
Run Time: 08/02/04 20:59:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	206.24	.70248	.26924	.38964	.18568	289.55	.43301
SDev	.73	.00154	.00028	.00092	.00043	.38	.00035
%RSD	.35378	.21899	.10395	.23643	.22977	.13141	.08127
#1	205.73	.70357	.26904	.38899	.18537	289.28	.43276
#2	206.76	.70139	.26943	.39030	.18598	289.82	.43326
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.5219	2.9668	19.235	440.21	52.452	89.059	H23.705
SDev	.0064	.0071	.046	1.28	.142	.180	.066
%RSD	.25570	.23819	.23860	.29163	.27150	.20212	.27860
#1	2.5173	2.9618	19.202	439.31	52.351	88.932	H23.658
#2	2.5264	2.9718	19.267	441.12	52.553	89.186	H23.751
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41629	H2750.7	H228.06	.55433	.46415	.49418	.18015
SDev	.00002	11.2	.26	.00203	.00090	.00007	.00217
%RSD	.00582	.40677	.11231	.36541	.19351	.01526	1.2067
#1	.41627	H2742.8	H227.88	.55577	.46352	.49424	.18168
#2	.41630	H2758.6	H228.24	.55290	.46479	.49413	.17861
Errors	LC Pass	LC High	LC High	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.25083	.18427	.17809	.76603	.14125	9.2587	H82.068
SDev	.00022	.00257	.00198	.00055	.00223	.0182	.102
%RSD	.08596	1.3960	1.1088	.07227	1.5798	.19674	.12421
#1	.25068	.18608	.17949	.76564	.13967	9.2458	H81.996
#2	.25099	.18245	.17669	.76642	.14282	9.2715	H82.140
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.18656	.04343
SDev	.00114	.00085
%RSD	.61266	1.9454
#1	.18575	.04284
#2	.18737	.04403
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3423	--	--	--	--	--	--
SDev	9.598940	--	--	--	--	--	--
%RSD	.2804094	--	--	--	--	--	--
#1	3430	--	--	--	--	--	--
#2	3416	--	--	--	--	--	--

Analysis Report 08/02/04 09:08:12 PM page 1

Method: TRACE2 Sample Name: AD439365/PB Operator: SW
Run Time: 08/02/04 21:03:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06064	-.00114	.00178	.00016	.00015	.12310	.00009
SDev	.00626	.00146	.00103	.00007	.00000	.00089	.00011
%RSD	10.326	128.35	57.720	45.013	1.5283	.72448	128.17
#1	.06506	-.00011	.00250	.00021	.00015	.12373	.00016
#2	.05621	-.00217	.00105	.00011	.00015	.12247	.00001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00068	.00019	.00583	H.13955	.05967	.02759	H.00791
SDev	.00041	.00084	.00074	.00630	.01435	.00284	.00017
%RSD	60.049	439.92	12.684	4.5154	24.051	10.310	2.2074
#1	.00097	.00079	.00635	H.14400	.06982	.02960	H.00803
#2	.00039	-.00040	.00530	H.13509	.04952	.02558	H.00779
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC High
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00027	.88928	.07318	.00241	-.00062	.00038	.00023
SDev	.00064	.05458	.00082	.00217	.00200	.00061	.00110
%RSD	233.98	6.1372	1.1174	90.166	320.29	159.38	483.86
#1	.00073	.85069	.07376	.00087	.00079	.00082	.00101
#2	-.00018	.92788	.07260	.00394	-.00204	-.00005	-.00055
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00062	.00257	-.00094	.00090	-.00361	.00258	H.03145
SDev	.00219	.00453	.00392	.00004	.00035	.00039	.00101
%RSD	353.26	176.60	416.29	3.9788	9.6980	14.988	3.1979
#1	.00093	-.00064	.00183	.00093	-.00336	.00286	H.03216
#2	-.00217	.00578	-.00372	.00088	-.00386	.00231	H.03074
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	H.05560	.00003
SDev	.00038	.00017
%RSD	.67440	613.54
#1	H.05586	.00015
#2	H.05533	-.00009

Errors	LC High	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3369	--	--	--	--	--	--
SDev	3.234979	--	--	--	--	--	--
%RSD	.0960273	--	--	--	--	--	--
#1	3371	--	--	--	--	--	--
#2	3367	--	--	--	--	--	--

Analysis Report 08/02/04 09:12:37 PM page 1

Method: TRACE2 Sample Name: AD439364/CLPSL Operator: SW
Run Time: 08/02/04 21:08:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	57.216	.95906	.44961	2.9791	1.1944	30.477	.87981
SDev	.011	.00457	.00151	.0022	.0006	.016	.00053
%RSD	.01993	.47636	.33574	.07302	.05271	.05128	.06064
#1	57.225	.96230	.45068	2.9776	1.1948	30.488	.87943
#2	57.208	.95583	.44854	2.9806	1.1939	30.466	.88019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	90.400	1.3200	.93600	3.9400	1.5700	40.100	1.2000
Low	36.800	.87700	.24600	2.7400	1.0900	26.300	.82300

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.2141	1.4589	1.0864	88.035	17.843	17.881	4.8801
SDev	.0008	.0010	.0000	.102	.014	.023	.0060
%RSD	.06685	.06787	.00151	.11532	.07826	.12858	.12336
#1	1.2147	1.4596	1.0864	88.107	17.833	17.897	4.8844
#2	1.2135	1.4582	1.0864	87.964	17.853	17.865	4.8758
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.6100	2.0300	1.3900	163.00	24.800	24.300	6.4100
Low	1.1100	1.3100	.97100	65.400	13.800	15.300	4.2700

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.40712	3.9279	1.1869	.91825	.92549	.92308	1.5354
SDev	.00142	.0120	.0034	.00335	.00865	.00688	.0069
%RSD	.34909	.30645	.28357	.36451	.93470	.74582	.44881
#1	.40612	3.9364	1.1893	.92062	.93161	.92795	1.5403
#2	.40813	3.9194	1.1845	.91589	.91938	.91821	1.5306
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.54900	6.5300	1.5000			1.2200	2.0700
Low	.36100	2.5100	1.0400			.82200	1.2500

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.42735	1.5160	1.5452	3.3178	1.4401	1.0385	1.7048
SDev	.00101	.0043	.0082	.0024	.0095	.0006	.0036
%RSD	.23668	.28659	.52839	.07144	.66109	.05922	.21340
#1	.42663	1.5190	1.5510	3.3161	1.4334	1.0389	1.7074
#2	.42806	1.5129	1.5394	3.3194	1.4468	1.0381	1.7023
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	1.4500			4.8000	1.8900	1.4800	2.3300
Low	.00000			1.1800	1.1500	.88200	1.5300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	2.0492	.74084
SDev	.0075	.00111
%RSD	.36801	.15003
#1	2.0545	.74163
#2	2.0438	.74006
Errors	LC Pass	LC Pass
High	2.9900	1.1500
Low	1.6000	.50800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3781	--	--	--	--	--	--
SDev	22.43303	--	--	--	--	--	--
%RSD	.5933428	--	--	--	--	--	--
#1	3765	--	--	--	--	--	--
#2	3797	--	--	--	--	--	--

Analysis Report 08/02/04 09:17:01 PM page 1

Method: TRACE2 Sample Name: AD439355 Operator: SW
Run Time: 08/02/04 21:12:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.562	.06570	.04975	.40051	.00471	78.738	.00432
SDev	.035	.00064	.00025	.00152	.00073	.034	.00051
%RSD	.06632	.97131	.50632	.38045	15.480	.04368	11.764
#1	52.537	.06615	.04957	.39943	.00420	78.762	.00396
#2	52.587	.06525	.04992	.40158	.00523	78.714	.00468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.14771	4.8093	.42386	152.07	7.1979	22.084	2.2422
SDev	.00024	.0055	.00189	.29	.0126	.035	.0002
%RSD	.16259	.11512	.44537	.19265	.17525	.15958	.00919
#1	.14754	4.8133	.42253	152.28	7.1890	22.109	2.2423
#2	.14788	4.8054	.42520	151.87	7.2069	22.059	2.2421
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.6560	1.7950	3.4606	.34240	.34686	.34538	.01695
SDev	.0018	.0199	.0082	.00071	.00140	.00117	.00244
%RSD	.04865	1.1065	.23752	.20806	.40394	.33927	14.384
#1	3.6573	1.7809	3.4548	.34190	.34587	.34455	.01867
#2	3.6548	1.8090	3.4664	.34291	.34785	.34620	.01523
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00322	.01187	.01949	1.3511	-.00791	.55752	1.0790
SDev	.00164	.00072	.00330	.0010	.00014	.00016	.0032
%RSD	50.851	6.0438	16.924	.07121	1.8233	.02801	.29366
#1	.00438	.01238	.02182	1.3504	-.00781	.55763	1.0767
#2	.00206	.01136	.01716	1.3517	-.00801	.55741	1.0812
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.07352	.00089
SDev	.00086	.00020
%RSD	1.1665	22.343
#1	.07291	.00075
#2	.07412	.00103
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3584	--	--	--	--	--	--
SDev	.8484936	--	--	--	--	--	--
%RSD	.0236748	--	--	--	--	--	--
#1	3585	--	--	--	--	--	--
#2	3583	--	--	--	--	--	--

Analysis Report 08/02/04 09:21:26 PM page 1

Method: TRACE2 Sample Name: AD439355/L (1:5) Operator: SW
Run Time: 08/02/04 21:17:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.172	.01271	.00997	.08376	.00096	16.576	.00081
SDev	.036	.00008	.00020	.00053	.00007	.043	.00012
%RSD	.32506	.59467	2.0365	.63507	7.4557	.26132	14.608
#1	11.146	.01276	.00982	.08338	.00091	16.545	.00072
#2	11.198	.01265	.01011	.08413	.00101	16.606	.00089
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03099	1.0048	.08774	31.933	1.5758	4.5988	.46890
SDev	.00013	.0001	.00086	.129	.0063	.0236	.00186
%RSD	.41079	.00691	.98548	.40423	.39681	.51267	.39752
#1	.03090	1.0049	.08713	31.842	1.5713	4.5821	.46759
#2	.03108	1.0048	.08835	32.025	1.5802	4.6155	.47022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76706	.45377	.72596	.07408	.07289	.07329	.00351
SDev	.00069	.08963	.00352	.00247	.00222	.00230	.00112
%RSD	.08952	19.753	.48533	3.3311	3.0428	3.1398	31.935
#1	.76657	.39039	.72347	.07582	.07446	.07491	.00431
#2	.76754	.51714	.72845	.07233	.07133	.07166	.00272
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00014	.00240	.00407	.29880	-.00390	.11650	.23129
SDev	.00229	.00056	.00196	.00242	.00103	.00058	.00138
%RSD	1675.8	23.181	48.152	.81004	26.487	.49865	.59505
#1	.00175	.00200	.00546	.29709	-.00317	.11691	.23031
#2	-.00148	.00279	.00269	.30051	-.00463	.11609	.23226
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.01591	.00032
SDev	.00034	.00034
%RSD	2.1096	106.27
#1	.01615	.00008
#2	.01567	.00055
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3532	--	--	--	--	--	--
SDev	6.257791	--	--	--	--	--	--
%RSD	.1771491	--	--	--	--	--	--
#1	3528	--	--	--	--	--	--
#2	3537	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 09:27:11 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/02/04 21:22:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.743	.49102	.48625	.49022	.50826	25.386	.48813
SDev	.011	.00276	.00033	.00013	.00036	.009	.00061
%RSD	.04364	.56143	.06868	.02714	.07170	.03364	.12406
#1	25.751	.48907	.48601	.49032	.50852	25.380	.48770
#2	25.735	.49296	.48649	.49013	.50800	25.392	.48856
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49876	.49060	.52994	25.390	25.321	25.001	.51486
SDev	.00017	.00117	.00044	.066	.034	.012	.00077
%RSD	.03337	.23910	.08343	.26048	.13455	.04739	.14932
#1	.49888	.49143	.52963	25.437	25.345	25.009	.51540
#2	.49865	.48977	.53025	25.343	25.297	24.992	.51431
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48778	25.290	.50674	.50236	.49939	.50038	.50194
SDev	.00109	.147	.00096	.00378	.00073	.00175	.00086
%RSD	.22416	.58309	.18958	.75324	.14672	.34949	.17101
#1	.48856	25.394	.50606	.50503	.49991	.50162	.50133
#2	.48701	25.186	.50742	.49968	.49888	.49914	.50255
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50378	.50026	.50279	.50315	.51312	.50007	.48220
SDev	.00262	.00007	.00132	.00008	.00061	.00019	.00091
%RSD	.52072	.01415	.26312	.01577	.11840	.03738	.18912
#1	.50563	.50031	.50185	.50309	.51355	.49994	.48284
#2	.50192	.50021	.50372	.50320	.51269	.50021	.48155
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.48780	.50094
SDev	.00124	.00061
%RSD	.25347	.12267
#1	.48867	.50137
#2	.48692	.50050
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3448	--	--	--	--	--	--
SDev	11.82626	--	--	--	--	--	--
%RSD	.3429951	--	--	--	--	--	--
#1	3440	--	--	--	--	--	--
#2	3456	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 09:31:37 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/02/04 21:27:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01041	-.00115	-.00017	.00027	.00017	.01162	.00006
SDev	.00518	.00046	.00020	.00017	.00007	.00581	.00015
%RSD	49.739	40.163	116.03	63.732	40.927	49.957	261.35
#1	.00675	-.00082	-.00003	.00015	.00012	.00752	-.00005
#2	.01408	-.00148	-.00032	.00039	.00021	.01573	.00017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00020	.00085	.00070	.01909	.03461	.00993	.00057
SDev	.00003	.00020	.00003	.01969	.00691	.00132	.00015
%RSD	15.933	23.075	3.7473	103.11	19.973	13.308	26.458
#1	.00018	.00099	.00068	.00517	.02972	.00900	.00046
#2	.00023	.00071	.00072	.03302	.03950	.01087	.00068
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00118	-.01003	.00109	.00064	.00120	.00101	.00010
SDev	.00003	.00077	.00091	.00192	.00020	.00078	.00154
%RSD	2.3632	7.6644	84.073	300.68	17.067	76.850	1475.6
#1	.00120	-.00949	.00044	-.00072	.00105	.00046	.00119
#2	.00116	-.01057	.00173	.00200	.00134	.00156	-.00098
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	.00186	-.00078	.00036	-.00054	.00035	.00103
SDev	.00050	.00017	.00240	.00015	.00007	.00007	.00012
%RSD	179.94	9.3728	309.21	43.266	12.606	19.360	11.666
#1	-.00008	.00174	.00092	.00025	-.00059	.00030	.00095
#2	.00063	.00199	-.00247	.00046	-.00049	.00040	.00112
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00157	-.00005
SDev	.00228	.00042
%RSD	144.84	889.98
#1	.00319	-.00034
#2	-.00004	.00025
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3515	--	--	--	--	--	--
SDev	32.45613	--	--	--	--	--	--
%RSD	.9232360	--	--	--	--	--	--
#1	3493	--	--	--	--	--	--
#2	3538	--	--	--	--	--	--

Analysis Report 08/02/04 09:36:01 PM page 1

Method: TRACE2 Sample Name: AD439355/PS Operator: SW
Run Time: 08/02/04 21:31:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	62.198	.25897	.24406	.58944	.20218	87.324	.19118
SDev	.030	.00069	.00010	.00082	.00015	.025	.00032
%RSD	.04844	.26585	.04040	.13995	.07669	.02878	.16985
#1	62.176	.25946	.24413	.58886	.20229	87.341	.19141
#2	62.219	.25848	.24399	.59003	.20207	87.306	.19095
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.34246	4.9485	.63088	150.82	17.379	31.692	2.4152
SDev	.00076	.0071	.00220	.21	.007	.055	.0019
%RSD	.22099	.14300	.34810	.14162	.04203	.17415	.07889
#1	.34299	4.9535	.62933	150.97	17.385	31.731	2.4165
#2	.34192	4.9435	.63243	150.66	17.374	31.653	2.4138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.7984	11.618	3.5802	.53416	.53625	.53555	.21021
SDev	.0021	.022	.0014	.00001	.00020	.00014	.00304
%RSD	.05452	.18695	.03784	.00095	.03754	.02539	1.4478
#1	3.7998	11.603	3.5812	.53417	.53639	.53565	.21236
#2	3.7969	11.634	3.5792	.53416	.53611	.53546	.20805
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20005	.20143	.21460	1.4912	.18954	.74785	1.2409
SDev	.00093	.00275	.00319	.0037	.00356	.00096	.0034
%RSD	.46389	1.3662	1.4861	.24621	1.8776	.12849	.27340
#1	.20071	.20337	.21685	1.4937	.19205	.74853	1.2432
#2	.19939	.19948	.21234	1.4886	.18702	.74717	1.2385
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.25625	.04967
SDev	.00122	.00008
%RSD	.47777	.16361
#1	.25712	.04972
#2	.25539	.04961
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3595	--	--	--	--	--	--
SDev	18.29639	--	--	--	--	--	--
%RSD	.5088850	--	--	--	--	--	--
#1	3582	--	--	--	--	--	--
#2	3608	--	--	--	--	--	--

Analysis Report 08/02/04 09:40:26 PM page 1

Method: TRACE2 Sample Name: AD439356/MD Operator: SW
Run Time: 08/02/04 21:36:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	53.511	.07217	.04974	.41508	.00405	91.267	.00236
SDev	.141	.00082	.00054	.00085	.00000	.036	.00015
%RSD	.26305	1.1393	1.0874	.20468	.01369	.03911	6.3504
#1	53.611	.07158	.05012	.41568	.00405	91.241	.00247
#2	53.412	.07275	.04936	.41447	.00405	91.292	.00226
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12560	3.1571	.48002	136.57	7.2066	27.405	2.4882
SDev	.00042	.0133	.00019	.03	.0443	.017	.0013
%RSD	.33229	.42278	.04072	.02256	.61511	.06185	.05205
#1	.12531	3.1666	.47988	136.60	7.2379	27.393	2.4891
#2	.12590	3.1477	.48015	136.55	7.1752	27.417	2.4873
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.54619	1.7612	3.1579	.38285	.38486	.38419	.00830
SDev	.00098	.0422	.0012	.00062	.00047	.00011	.00108
%RSD	.17995	2.3982	.03793	.16202	.12339	.02868	12.961
#1	.54550	1.7911	3.1587	.38329	.38453	.38411	.00906
#2	.54689	1.7314	3.1571	.38241	.38520	.38427	.00754
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00355	.00523	.00984	1.5564	-.00909	.19838	1.1129
SDev	.00060	.00134	.00094	.0101	.00249	.00009	.0004
%RSD	16.847	25.641	9.5913	.65086	27.375	.04490	.03295
#1	.00397	.00618	.01051	1.5493	-.00733	.19831	1.1127
#2	.00312	.00428	.00917	1.5636	L-.01085	.19844	1.1132
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.07507	.00083
SDev	.00029	.00022
%RSD	.38711	26.093
#1	.07487	.00098
#2	.07528	.00068
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3677	--	--	--	--	--	--
SDev	13.36425	--	--	--	--	--	--
%RSD	.3634824	--	--	--	--	--	--
#1	3686	--	--	--	--	--	--
#2	3667	--	--	--	--	--	--

Analysis Report 08/02/04 09:44:50 PM page 1

Method: TRACE2 Sample Name: AD439357/MS Operator: SW
Run Time: 08/02/04 21:40:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	55.205	.10317	.05491	2.1916	.04964	93.329	.04505
SDev	.054	.00231	.00009	.0003	.00007	.128	.00007
%RSD	.09718	2.2392	.16422	.01375	.14882	.13689	.15857
#1	55.167	.10480	.05485	2.1914	.04959	93.239	.04510
#2	55.243	.10154	.05498	2.1918	.04970	93.420	.04500
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.59186	3.7436	.68619	150.30	7.5531	21.622	2.9722
SDev	.00133	.0104	.00038	.42	.0090	.062	.0069
%RSD	.22530	.27824	.05460	.27727	.11871	.28569	.23118
#1	.59091	3.7362	.68646	150.00	7.5468	21.578	2.9674
#2	.59280	3.7510	.68593	150.59	7.5594	21.666	2.9771
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.76498	1.8064	3.7257	.40952	.40615	.40727	.05739
SDev	.00154	.0119	.0014	.00265	.00201	.00222	.00119
%RSD	.20133	.65830	.03660	.64659	.49590	.54636	2.0692
#1	.76389	1.8148	3.7248	.40765	.40472	.40570	.05823
#2	.76607	1.7980	3.7267	.41139	.40757	.40884	.05655
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04545	.05277	.05970	1.4904	.03570	.67949	1.4465
SDev	.00332	.00227	.00065	.0040	.00045	.00147	.0045
%RSD	7.3084	4.3043	1.0813	.26574	1.2492	.21616	.31221
#1	.04310	.05438	.06015	1.4932	.03538	.67846	1.4433
#2	.04780	.05116	.05924	1.4876	.03601	.68053	1.4496
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.13890	.04633
SDev	.00088	.00000
%RSD	.63060	.00762
#1	.13828	.04633
#2	.13952	.04633
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3673	--	--	--	--	--	--
SDev	21.79653	--	--	--	--	--	--
%RSD	.5934966	--	--	--	--	--	--
#1	3688	--	--	--	--	--	--
#2	3657	--	--	--	--	--	--

Analysis Report 08/02/04 09:49:15 PM page 1

Method: TRACE2 Sample Name: AD439358/SD Operator: SW
Run Time: 08/02/04 21:44:54
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	53.579	.10043	.05479	2.1909	.04991	86.448	.04509
SDev	.085	.00139	.00059	.0029	.00004	.084	.00014
%RSD	.15927	1.3807	1.0678	.13335	.07122	.09750	.30090
#1	53.639	.10141	.05438	2.1929	.04994	86.507	.04519
#2	53.519	.09945	.05520	2.1888	.04989	86.388	.04499
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.57570	3.9882	.69370	142.47	7.0648	21.751	2.8470
SDev	.00110	.0048	.00164	.20	.0106	.021	.0041
%RSD	.19106	.12146	.23646	.13809	.15015	.09643	.14246
#1	.57648	3.9916	.69486	142.61	7.0723	21.766	2.8498
#2	.57492	3.9848	.69254	142.33	7.0573	21.736	2.8441
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.66935	1.8584	4.1184	.35226	.35152	.35177	.05421
SDev	.00063	.0156	.0050	.00505	.00150	.00269	.00009
%RSD	.09397	.84113	.12241	1.4343	.42799	.76357	.15667
#1	.66980	1.8473	4.1220	.34869	.35046	.34987	.05427
#2	.66891	1.8694	4.1148	.35584	.35259	.35367	.05415
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04998	.05481	.05391	1.3554	.03570	.66083	1.3886
SDev	.00041	.00640	.00333	.0022	.00053	.00113	.0023
%RSD	.81143	11.680	6.1737	.16125	1.4853	.17050	.16691
#1	.04969	.05028	.05626	1.3538	.03533	.66163	1.3902
#2	.05027	.05933	.05156	1.3569	.03608	.66004	1.3869
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.07280	.04637
SDev	.00145	.00011
%RSD	1.9956	.22918
#1	.07177	.04645
#2	.07383	.04630
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3661	--	--	--	--	--	--
SDev	8.008122	--	--	--	--	--	--
%RSD	.2187362	--	--	--	--	--	--
#1	3667	--	--	--	--	--	--
#2	3655	--	--	--	--	--	--

Analysis Report 08/02/04 09:53:40 PM page 1

Method: TRACE2 Sample Name: AD439359 Operator: SW
Run Time: 08/02/04 21:49:19
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	65.762	.07259	.05759	.75742	.00377	67.920	.00365
SDev	.111	.00022	.00140	.00166	.00002	.056	.00019
%RSD	.16834	.30603	2.4373	.21859	.53379	.08238	5.2717
#1	65.840	.07243	.05858	.75859	.00378	67.959	.00379
#2	65.684	.07274	.05659	.75625	.00375	67.880	.00352
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11480	2.1579	.47626	157.54	8.8583	23.742	7.3260
SDev	.00005	.0095	.00156	.35	.0188	.047	.0171
%RSD	.04505	.44117	.32710	.22481	.21192	.19656	.23391
#1	.11476	2.1647	.47736	157.79	8.8715	23.775	7.3381
#2	.11484	2.1512	.47516	157.29	8.8450	23.709	7.3138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29259	1.5172	2.1255	.43086	.43229	.43182	.01214
SDev	.00127	.0481	.0060	.00131	.00363	.00199	.00100
%RSD	.43266	3.1732	.28117	.30418	.84053	.46019	8.2234
#1	.29348	1.4831	2.1298	.42993	.43486	.43322	.01285
#2	.29169	1.5512	2.1213	.43179	.42972	.43041	.01144
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00176	.01133	.01255	1.3196	L-.01173	.20038	1.4582
SDev	.00201	.00528	.00414	.0043	.00177	.00082	.0043
%RSD	114.55	46.633	32.991	.32409	15.054	.40745	.29261
#1	.00318	.00759	.01547	1.3227	L-.01049	.20096	1.4612
#2	.00033	.01507	.00962	1.3166	L-.01298	.19980	1.4552
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.13396	.00072
SDev	.00094	.00014
%RSD	.70220	19.816
#1	.13463	.00082
#2	.13330	.00062
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3678	--	--	--	--	--	--
SDev	1.962152	--	--	--	--	--	--
%RSD	.0533554	--	--	--	--	--	--
#1	3676	--	--	--	--	--	--
#2	3679	--	--	--	--	--	--

Analysis Report 08/02/04 09:58:04 PM page 1

Method: TRACE2 Sample Name: AD439360 Operator: SW
Run Time: 08/02/04 21:53:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	89.640	.08817	.06606	.96957	.00555	100.28	.00427
SDev	2.301	.00141	.00227	.02375	.00021	2.50	.00022
%RSD	2.5674	1.6007	3.4332	2.4498	3.8773	2.4888	5.1625
#1	88.012	.08717	.06446	.95277	.00539	98.517	.00411
#2	91.267	.08917	.06767	.98636	.00570	102.05	.00442
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11847	1.3480	.47781	195.44	11.633	35.090	5.9335
SDev	.00345	.0325	.01241	4.95	.258	.860	.1433
%RSD	2.9106	2.4133	2.5974	2.5346	2.2201	2.4503	2.4159
#1	.11603	1.3250	.46903	191.93	11.450	34.482	5.8321
#2	.12091	1.3710	.48659	198.94	11.816	35.698	6.0348
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21643	1.2124	1.3383	.74560	.75387	.75111	.00997
SDev	.00545	.0191	.0343	.01331	.01861	.01684	.00088
%RSD	2.5203	1.5732	2.5610	1.7845	2.4679	2.2420	8.8742
#1	.21258	1.1989	1.3141	.73619	.74071	.73921	.00934
#2	.22029	1.2259	1.3625	.75501	.76702	.76302	.01059
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00079	.00853	.01068	1.6724	L-.01084	.21836	1.4821
SDev	.00017	.00114	.00076	.0476	.00048	.00631	.0381
%RSD	21.883	13.362	7.0830	2.8457	4.4676	2.8899	2.5687
#1	.00091	.00772	.01015	1.6387	L-.01049	.21390	1.4552
#2	.00067	.00933	.01122	1.7060	L-.01118	.22282	1.5091
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.43907	.00148
SDev	.01243	.00014
%RSD	2.8310	9.2282
#1	.43028	.00138
#2	.44786	.00157
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3645	--	--	--	--	--	--
SDev	73.07938	--	--	--	--	--	--
%RSD	2.004921	--	--	--	--	--	--
#1	3697	--	--	--	--	--	--
#2	3593	--	--	--	--	--	--

Analysis Report 08/02/04 10:02:29 PM page 1

Method: TRACE2 Sample Name: AD439361 Operator: SW
Run Time: 08/02/04 21:58:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	104.69	.10558	.05414	1.0681	.00555	49.014	.00637
SDev	.11	.00002	.00076	.0006	.00000	.030	.00004
%RSD	.10682	.02239	1.4055	.05295	.03145	.06049	.66233
#1	104.77	.10556	.05468	1.0685	.00555	49.035	.00634
#2	104.61	.10559	.05360	1.0677	.00555	48.993	.00640
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.09810	.31492	.44528	259.17	13.563	30.683	5.1084
SDev	.00026	.00126	.00068	.11	.034	.012	.0022
%RSD	.26589	.39872	.15344	.04356	.25119	.04073	.04304
#1	.09792	.31581	.44479	259.09	13.587	30.692	5.1069
#2	.09829	.31403	.44576	259.25	13.538	30.674	5.1100
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07194	.90128	.34912	2.0029	2.0071	2.0057	.00964
SDev	.00002	.13404	.00030	.0067	.0003	.0020	.00304
%RSD	.02212	14.873	.08693	.33587	.01485	.10177	31.545
#1	.07195	.99606	.34933	1.9981	2.0073	2.0043	.01179
#2	.07193	.80650	.34890	2.0077	2.0069	2.0071	.00749
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00438	.01011	.00941	1.7643	L-.01563	.20424	1.9553
SDev	.00218	.00691	.00111	.0020	.00126	.00013	.0016
%RSD	49.798	68.357	11.777	.11153	8.0861	.06371	.08237
#1	.00284	.01499	.01019	1.7629	L-.01474	.20415	1.9564
#2	.00593	.00522	.00863	1.7657	L-.01652	.20433	1.9541
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.09358	.00171
SDev	.00350	.00025
%RSD	3.7413	14.531
#1	.09606	.00188
#2	.09111	.00153
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3809	--	--	--	--	--	--
SDev	3.659312	--	--	--	--	--	--
%RSD	.0960705	--	--	--	--	--	--
#1	3812	--	--	--	--	--	--
#2	3806	--	--	--	--	--	--

Analysis Report 08/02/04 10:06:54 PM page 1

Method: TRACE2 Sample Name: AD439362 Operator: SW
Run Time: 08/02/04 22:02:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	74.247	.06730	.06255	.84361	.00429	67.758	.00421
SDev	.043	.00093	.00000	.00021	.00001	.032	.00007
%RSD	.05817	1.3867	.00686	.02470	.21407	.04752	1.6047
#1	74.216	.06664	.06255	.84346	.00428	67.781	.00426
#2	74.277	.06796	.06254	.84375	.00430	67.735	.00417
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13795	1.7217	.42917	174.10	8.5605	28.497	9.0009
SDev	.00018	.0099	.00103	.30	.0039	.009	.0190
%RSD	.12750	.57780	.23884	.17004	.04548	.03053	.21158
#1	.13783	1.7147	.42845	173.89	8.5578	28.490	8.9875
#2	.13808	1.7287	.42990	174.31	8.5633	28.503	9.0144
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41608	1.4618	1.9042	.41544	.41751	.41682	.01233
SDev	.00154	.1320	.0002	.00113	.00187	.00088	.00049
%RSD	.37011	9.0289	.01058	.27113	.44874	.20982	3.9940
#1	.41499	1.3685	1.9044	.41465	.41884	.41744	.01198
#2	.41717	1.5552	1.9041	.41624	.41619	.41620	.01267
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00115	.01128	.01285	1.3186	-.00879	.24375	1.2883
SDev	.00287	.00024	.00086	.0092	.00295	.00024	.0023
%RSD	250.23	2.1342	6.6832	.70023	33.569	.09827	.17919
#1	-.00317	.01145	.01224	1.3120	L-.01087	.24358	1.2866
#2	.00088	.01111	.01346	1.3251	-.00670	.24392	1.2899
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04225	.00098
SDev	.00166	.00024
%RSD	3.9382	24.374
#1	.04343	.00114
#2	.04107	.00081
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3741	--	--	--	--	--	--
SDev	13.25825	--	--	--	--	--	--
%RSD	.3543755	--	--	--	--	--	--
#1	3751	--	--	--	--	--	--
#2	3732	--	--	--	--	--	--

Analysis Report 08/02/04 10:11:19 PM page 1

Method: TRACE2 Sample Name: AD439363 Operator: SW
Run Time: 08/02/04 22:06:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	77.792	.05053	.09616	.73002	.00379	25.925	.00213
SDev	.015	.00174	.00112	.00034	.00001	.006	.00013
%RSD	.01881	3.4442	1.1598	.04728	.20449	.02300	5.8881
#1	77.803	.04930	.09538	.72977	.00379	25.921	.00222
#2	77.782	.05176	.09695	.73026	.00378	25.929	.00204
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.12337	1.7156	.39584	142.98	7.7203	20.012	1.9018
SDev	.00014	.0015	.00025	.13	.0288	.007	.0018
%RSD	.11244	.08540	.06313	.08767	.37349	.03435	.09659
#1	.12347	1.7146	.39602	143.07	7.7407	20.017	1.9031
#2	.12327	1.7166	.39567	142.89	7.6999	20.007	1.9005
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51175	1.2074	1.6045	.45760	.45648	.45686	.00897
SDev	.00161	.0880	.0020	.00110	.00167	.00075	.00787
%RSD	.31358	7.2865	.12324	.23993	.36679	.16442	87.780
#1	.51062	1.2696	1.6031	.45683	.45767	.45739	.00340
#2	.51288	1.1452	1.6059	.45838	.45530	.45633	.01453
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00174	.00482	.01104	1.1346	-.00752	.22636	.77448
SDev	.00043	.01260	.00550	.0018	.00288	.00025	.00068
%RSD	24.744	261.20	49.869	.15920	38.281	.10853	.08832
#1	.00204	-.00409	.00714	1.1359	-.00548	.22654	.77497
#2	.00144	.01374	.01493	1.1334	-.00956	.22619	.77400
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04033	.00086
SDev	.00035	.00007
%RSD	.85757	8.6731
#1	.04009	.00081
#2	.04058	.00092
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3650	--	--	--	--	--	--
SDev	11.98542	--	--	--	--	--	--
%RSD	.3283723	--	--	--	--	--	--
#1	3641	--	--	--	--	--	--
#2	3658	--	--	--	--	--	--

Analysis Report 08/02/04 10:15:43 PM page 1

Method: TRACE2 Sample Name: AD439414/PB Operator: SW
Run Time: 08/02/04 22:11:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04483	-.00138	.00068	.00054	-.00006	.08065	-.00017
SDev	.00725	.00007	.00137	.00007	.00000	.00387	.00004
%RSD	16.178	5.0395	202.28	13.432	.39304	4.7977	23.531
#1	.04996	-.00143	.00165	.00059	-.00006	.08339	-.00014
#2	.03970	-.00133	-.00029	.00049	-.00006	.07792	-.00020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00047	.00059	.00075	H.08903	.07675	.01274	.00244
SDev	.00012	.00021	.00052	.02033	.00698	.00413	.00040
%RSD	26.520	35.598	69.098	22.835	9.0949	32.456	16.190
#1	-.00056	.00074	.00038	H.10340	.07181	.01566	.00272
#2	-.00038	.00044	.00112	H.07465	.08168	.00981	.00216
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00124	.12661	.00094	.00368	-.00148	.00024	.00050
SDev	.00019	.11243	.00005	.00097	.00038	.00007	.00353
%RSD	15.580	88.796	4.7532	26.341	25.724	28.929	705.65
#1	.00110	.20611	.00091	.00300	-.00121	.00019	.00300
#2	.00137	.04711	.00097	.00437	-.00176	.00028	-.00200
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00112	-.00365	.00258	.00122	-.00309	.00025	.00294
SDev	.00161	.00531	.00265	.00015	.00088	.00023	.00001
%RSD	143.18	145.53	102.76	12.150	28.431	90.661	.31512
#1	.00001	.00011	.00445	.00132	-.00247	.00041	.00295
#2	-.00226	-.00741	.00070	.00111	-.00371	.00009	.00294
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	H.05632	-.00005
SDev	.00066	.00022
%RSD	1.1787	406.75
#1	H.05585	.00010
#2	H.05679	-.00021

Errors	LC High	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3479	--	--	--	--	--	--
SDev	8.856616	--	--	--	--	--	--
%RSD	.2545690	--	--	--	--	--	--
#1	3473	--	--	--	--	--	--
#2	3485	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 10:21:29 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/02/04 22:17:08
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.414	.48236	.47849	.48066	.49968	25.013	.47910
SDev	.002	.00035	.00183	.00005	.00016	.007	.00013
%RSD	.00669	.07186	.38155	.00968	.03243	.02732	.02780
#1	25.413	.48260	.47978	.48063	.49980	25.008	.47901
#2	25.415	.48211	.47719	.48070	.49957	25.017	.47919
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48757	.48138	.52171	24.909	24.895	24.545	.50367
SDev	.00114	.00019	.00012	.002	.026	.009	.00060
%RSD	.23390	.03940	.02343	.00715	.10642	.03504	.11878
#1	.48837	.48152	.52162	24.907	24.877	24.551	.50409
#2	.48676	.48125	.52179	24.910	24.914	24.539	.50324
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47519	24.916	.49618	.49093	.49267	.49209	.48971
SDev	.00013	.083	.00010	.00026	.00150	.00092	.00002
%RSD	.02732	.33484	.02044	.05340	.30519	.18606	.00411
#1	.47528	24.857	.49625	.49075	.49373	.49274	.48970
#2	.47510	24.975	.49611	.49112	.49160	.49144	.48973
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49313	.48145	.49385	.49338	.50285	.49120	.47222
SDev	.00188	.00448	.00221	.00077	.00002	.00024	.00006
%RSD	.38179	.93073	.44758	.15701	.00452	.04838	.01192
#1	.49180	.47828	.49541	.49283	.50284	.49103	.47226
#2	.49446	.48462	.49229	.49393	.50287	.49137	.47218
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.47385	.49254
SDev	.00108	.00016
%RSD	.22812	.03169
#1	.47462	.49243
#2	.47309	.49265
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3539	--	--	--	--	--	--
SDev	.4241605	--	--	--	--	--	--
%RSD	.0119845	--	--	--	--	--	--
#1	3539	--	--	--	--	--	--
#2	3540	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 10:25:54 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/02/04 22:21:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01908	-.00006	.00018	.00032	.00024	.01312	.00016
SDev	.00353	.00184	.00152	.00002	.00011	.00594	.00008
%RSD	18.507	3176.2	845.71	4.6949	45.202	45.245	52.394
#1	.01658	-.00136	-.00089	.00031	.00016	.00893	.00010
#2	.02158	.00124	.00125	.00034	.00031	.01732	.00022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00006	.00071	.00060	.02857	.05831	.01408	.00071
SDev	.00027	.00002	.00005	.00549	.00169	.00626	.00014
%RSD	485.34	3.1693	7.5428	19.206	2.8938	44.500	19.634
#1	-.00025	.00070	.00056	.02469	.05950	.00965	.00061
#2	.00014	.00073	.00063	.03245	.05712	.01851	.00081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00069	.19573	.00087	.00014	.00018	.00017	-.00020
SDev	.00066	.00370	.00031	.00223	.00011	.00082	.00389
%RSD	95.896	1.8917	35.169	1642.4	60.894	494.30	1901.9
#1	.00022	.19311	.00109	-.00144	.00010	-.00041	-.00295
#2	.00115	.19834	.00066	.00171	.00026	.00074	.00254
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00104	-.00409	.00174	.00082	-.00203	.00062	.00100
SDev	.00233	.01000	.00083	.00032	.00088	.00000	.00007
%RSD	223.97	244.39	47.695	39.352	43.614	.11141	6.8144
#1	-.00269	-.01116	.00115	.00059	-.00265	.00062	.00104
#2	.00061	.00298	.00233	.00105	-.00140	.00062	.00095
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00077	.00052
SDev	.00034	.00014
%RSD	43.664	26.137
#1	.00100	.00062
#2	.00053	.00043
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3495	--	--	--	--	--	--
SDev	3.447145	--	--	--	--	--	--
%RSD	.0986234	--	--	--	--	--	--
#1	3493	--	--	--	--	--	--
#2	3498	--	--	--	--	--	--

Analysis Report 08/02/04 10:30:19 PM page 1

Method: TRACE2 Sample Name: AD439413/CLPSL Operator: SW
Run Time: 08/02/04 22:25:58
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.961	.94474	.44368	3.0325	1.1654	30.302	.85691
SDev	.103	.00162	.00139	.0039	.0000	.021	.00092
%RSD	.18025	.17148	.31322	.12980	.00105	.06854	.10704
#1	56.888	.94360	.44270	3.0297	1.1654	30.288	.85626
#2	57.033	.94589	.44467	3.0353	1.1654	30.317	.85756
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	90.400	1.3200	.93600	3.9400	1.5700	40.100	1.2000
Low	36.800	.87700	.24600	2.7400	1.0900	26.300	.82300

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1851	1.4299	1.0865	90.130	17.720	18.020	4.7462
SDev	.0002	.0007	.0001	.045	.005	.004	.0017
%RSD	.02083	.04879	.01294	.05040	.02985	.02365	.03522
#1	1.1849	1.4304	1.0864	90.098	17.716	18.017	4.7473
#2	1.1853	1.4294	1.0866	90.162	17.724	18.023	4.7450
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.6100	2.0300	1.3900	163.00	24.800	24.300	6.4100
Low	1.1100	1.3100	.97100	65.400	13.800	15.300	4.2700

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39922	3.8720	1.1426	.98599	.99205	.99003	1.5098
SDev	.00037	.0310	.0013	.00323	.00502	.00443	.0078
%RSD	.09199	.79983	.11391	.32774	.50624	.44704	.51385
#1	.39896	3.8939	1.1417	.98828	.99560	.99316	1.5153
#2	.39948	3.8501	1.1435	.98371	.98850	.98690	1.5043
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.54900	6.5300	1.5000			1.2200	2.0700
Low	.36100	2.5100	1.0400			.82200	1.2500

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43536	1.4902	1.5196	3.2643	1.4370	1.0344	1.5779
SDev	.00169	.0003	.0118	.0049	.0046	.0003	.0018
%RSD	.38710	.02310	.77714	.15155	.32166	.02489	.11398
#1	.43417	1.4900	1.5280	3.2608	1.4337	1.0342	1.5792
#2	.43655	1.4905	1.5113	3.2678	1.4403	1.0345	1.5766
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	1.4500			4.8000	1.8900	1.4800	2.3300
Low	.00000			1.1800	1.1500	.88200	1.5300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	2.0260	.74206
SDev	.0004	.00034
%RSD	.01848	.04626
#1	2.0258	.74230
#2	2.0263	.74182
Errors	LC Pass	LC Pass
High	2.9900	1.1500
Low	1.6000	.50800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3895	--	--	--	--	--	--
SDev	13.47042	--	--	--	--	--	--
%RSD	.3458276	--	--	--	--	--	--
#1	3886	--	--	--	--	--	--
#2	3905	--	--	--	--	--	--

Analysis Report 08/02/04 10:34:44 PM page 1

Method: TRACE2 Sample Name: AD439402 Operator: SW
Run Time: 08/02/04 22:30:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	110.55	.38764	.02535	.80107	.00477	33.321	.00052
SDev	.11	.00105	.00061	.00056	.00003	.017	.00000
%RSD	.10121	.26981	2.4265	.06947	.69631	.05064	.72862
#1	110.47	.38838	.02579	.80068	.00479	33.309	.00052
#2	110.63	.38690	.02492	.80147	.00475	33.333	.00052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05561	.12170	.14184	147.58	11.030	26.863	3.1556
SDev	.00024	.00012	.00080	.08	.002	.002	.0015
%RSD	.43129	.09611	.56480	.05352	.02129	.00745	.04850
#1	.05578	.12161	.14241	147.53	11.031	26.865	3.1545
#2	.05544	.12178	.14127	147.64	11.028	26.862	3.1567
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00191	.74443	.11255	1.2786	1.3041	1.2956	.00074
SDev	.00015	.17716	.00021	.0014	.0034	.0027	.00200
%RSD	7.9273	23.798	.18589	.10644	.25890	.20880	269.65
#1	.00180	.86969	.11240	1.2796	1.3065	1.2975	.00216
#2	.00202	.61916	.11270	1.2777	1.3017	1.2937	-.00067
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00169	-.00040	.00131	2.6405	-.00796	.21160	.41341
SDev	.00080	.00145	.00372	.0095	.00218	.00059	.00023
%RSD	47.349	357.16	283.13	.36132	27.372	.27891	.05633
#1	-.00112	-.00143	.00395	2.6338	-.00951	.21118	.41324
#2	-.00225	.00062	-.00132	2.6473	-.00642	.21201	.41357
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03833	.00049
SDev	.00024	.00018
%RSD	.62449	36.195
#1	.03816	.00061
#2	.03850	.00036
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3812	--	--	--	--	--	--
SDev	12.72792	--	--	--	--	--	--
%RSD	.3339084	--	--	--	--	--	--
#1	3803	--	--	--	--	--	--
#2	3821	--	--	--	--	--	--

Analysis Report 08/02/04 10:39:08 PM page 1

Method: TRACE2 Sample Name: AD439402/L (1:5) Operator: SW
Run Time: 08/02/04 22:34:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.725	.08258	.00509	.17155	.00097	7.1693	-.00006
SDev	.026	.00229	.00007	.00031	.00001	.0085	.00004
%RSD	.10899	2.7750	1.3312	.18096	.58266	.11797	66.820
#1	23.707	.08420	.00514	.17133	.00097	7.1634	-.00003
#2	23.743	.08096	.00504	.17177	.00096	7.1753	-.00008
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01194	.02612	.02936	31.585	2.4619	5.7166	.67494
SDev	.00000	.00006	.00018	.016	.0044	.0050	.00016
%RSD	.00405	.23046	.62009	.05210	.17688	.08695	.02305
#1	.01194	.02616	.02948	31.573	2.4589	5.7131	.67483
#2	.01194	.02608	.02923	31.597	2.4650	5.7201	.67505
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00030	.17795	.02477	.27512	.27899	.27770	-.00031
SDev	.00060	.07957	.00000	.00278	.00079	.00145	.00157
%RSD	199.56	44.714	.00408	1.0114	.28302	.52333	505.44
#1	-.00012	.23421	.02477	.27315	.27843	.27667	.00080
#2	.00073	.12169	.02476	.27708	.27955	.27873	-.00142
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00070	.00034	-.00064	.59550	-.00032	.04503	.09055
SDev	.00049	.00398	.00036	.01057	.00019	.00029	.00025
%RSD	70.405	1170.8	56.942	1.7757	57.481	.64308	.27813
#1	-.00104	.00316	-.00038	.58802	-.00019	.04523	.09037
#2	-.00035	-.00248	-.00089	.60298	-.00046	.04482	.09073
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00893	-.00005
SDev	.00126	.00027
%RSD	14.135	574.42
#1	.00804	-.00024
#2	.00983	.00015
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3651	--	--	--	--	--	--
SDev	.1591681	--	--	--	--	--	--
%RSD	.0043593	--	--	--	--	--	--
#1	3651	--	--	--	--	--	--
#2	3651	--	--	--	--	--	--

Analysis Report 08/02/04 10:43:33 PM page 1

Method: TRACE2 Sample Name: AD439403/MS Operator: SW
Run Time: 08/02/04 22:39:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	111.64	.63210	.16735	.93635	.17501	46.002	.16757
SDev	.21	.00243	.00070	.00128	.00013	.059	.00021
%RSD	.18585	.38358	.42035	.13688	.07566	.12934	.12800
#1	111.79	.63381	.16785	.93725	.17510	46.044	.16772
#2	111.50	.63039	.16685	.93544	.17491	45.960	.16741
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.21742	.27916	.32345	129.11	18.867	35.264	3.0508
SDev	.00070	.00092	.00017	.19	.052	.066	.0034
%RSD	.32046	.32820	.05383	.14554	.27697	.18584	.11218
#1	.21791	.27981	.32333	129.24	18.904	35.311	3.0532
#2	.21693	.27851	.32358	128.98	18.830	35.218	3.0484
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16115	9.3935	.27276	1.5573	1.5790	1.5718	.17209
SDev	.00070	.0935	.00056	.0054	.0054	.0054	.00007
%RSD	.43168	.99581	.20409	.34419	.34232	.34293	.03852
#1	.16164	9.4596	.27316	1.5611	1.5828	1.5756	.17213
#2	.16066	9.3274	.27237	1.5535	1.5752	1.5679	.17204
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05688	.17129	.17249	2.6162	.16433	.35896	.51914
SDev	.00272	.00048	.00014	.0050	.00525	.00010	.00167
%RSD	4.7872	.27820	.08049	.18954	3.1975	.02633	.32133
#1	.05881	.17163	.17239	2.6197	.16062	.35902	.52032
#2	.05496	.17095	.17259	2.6127	.16805	.35889	.51796
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.17046	.04329
SDev	.00040	.00039
%RSD	.23247	.90202
#1	.17018	.04357
#2	.17074	.04302
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3889	--	--	--	--	--	--
SDev	7.583617	--	--	--	--	--	--
%RSD	.1949898	--	--	--	--	--	--
#1	3884	--	--	--	--	--	--
#2	3895	--	--	--	--	--	--

Analysis Report 08/02/04 10:47:58 PM page 1

Method: TRACE2 Sample Name: AD439404/SD Operator: SW
Run Time: 08/02/04 22:43:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	102.23	.66435	.17564	.85015	.18182	48.977	.17445
SDev	.06	.00352	.00008	.00054	.00019	.062	.00058
%RSD	.06075	.52961	.04800	.06349	.10204	.12714	.33126
#1	102.27	.66186	.17558	.84976	.18169	48.933	.17405
#2	102.18	.66683	.17570	.85053	.18195	49.021	.17486
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.22251	.27449	.33235	116.61	18.270	35.088	3.4666
SDev	.00003	.00020	.00064	.08	.002	.023	.0018
%RSD	.01265	.07221	.19294	.06654	.00843	.06456	.05317
#1	.22249	.27463	.33189	116.56	18.271	35.072	3.4653
#2	.22253	.27435	.33280	116.67	18.269	35.104	3.4679
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16893	9.7364	.27354	1.7454	1.7816	1.7696	.17987
SDev	.00093	.0953	.00031	.0029	.0076	.0060	.00394
%RSD	.55031	.97843	.11197	.16449	.42615	.34020	2.1888
#1	.16827	9.8038	.27333	1.7434	1.7762	1.7653	.18266
#2	.16959	9.6690	.27376	1.7474	1.7870	1.7738	.17709
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06530	.17796	.18083	2.4282	.16742	.34802	.51688
SDev	.00128	.00693	.00244	.0127	.00038	.00018	.00019
%RSD	1.9574	3.8955	1.3489	.52461	.22750	.05258	.03719
#1	.06439	.18286	.18256	2.4372	.16769	.34789	.51674
#2	.06620	.17306	.17911	2.4191	.16716	.34815	.51701
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.17754	.04481
SDev	.00100	.00006
%RSD	.56200	.12841
#1	.17825	.04485
#2	.17683	.04476
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3763	--	--	--	--	--	--
SDev	.4771590	--	--	--	--	--	--
%RSD	.0126812	--	--	--	--	--	--
#1	3763	--	--	--	--	--	--
#2	3762	--	--	--	--	--	--

Analysis Report 08/02/04 10:52:23 PM page 1

Method: TRACE2 Sample Name: AD439405 Operator: SW
Run Time: 08/02/04 22:48:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.416	.11005	.02797	.45047	.00205	215.25	.00015
SDev	.042	.00024	.00047	.00019	.00001	.24	.00002
%RSD	.08263	.22211	1.6892	.04194	.60727	.11096	11.091
#1	50.446	.11023	.02831	.45060	.00206	215.08	.00014
#2	50.387	.10988	.02764	.45034	.00204	215.42	.00016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03903	.06200	.07048	80.088	8.3310	42.470	3.2170
SDev	.00018	.00009	.00013	.069	.0288	.048	.0029
%RSD	.45900	.14188	.18126	.08641	.34521	.11284	.09130
#1	.03890	.06207	.07057	80.039	8.3514	42.436	3.2149
#2	.03916	.06194	.07039	80.137	8.3107	42.504	3.2190
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00155	.99399	.07465	.37226	.37629	.37495	.00355
SDev	.00009	.04626	.00024	.00460	.00320	.00060	.00020
%RSD	5.4629	4.6538	.32611	1.2367	.84941	.15972	5.7593
#1	.00149	.96128	.07482	.36901	.37855	.37537	.00369
#2	.00161	1.0267	.07447	.37552	.37403	.37452	.00340
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00088	.00659	.00203	1.4767	-.00894	.10637	.27920
SDev	.00181	.00115	.00088	.0088	.00105	.00011	.00020
%RSD	205.86	17.535	43.610	.59435	11.730	.10317	.07277
#1	.00040	.00577	.00265	1.4829	-.00968	.10645	.27906
#2	-.00216	.00740	.00140	1.4705	-.00820	.10630	.27935
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03746	.00037
SDev	.00151	.00063
%RSD	4.0326	171.01
#1	.03639	-.00008
#2	.03853	.00081
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3848	--	--	--	--	--	--
SDev	1.431822	--	--	--	--	--	--
%RSD	.0372140	--	--	--	--	--	--
#1	3847	--	--	--	--	--	--
#2	3849	--	--	--	--	--	--

Analysis Report 08/02/04 10:56:47 PM page 1

Method: TRACE2 Sample Name: AD439406 Operator: SW
Run Time: 08/02/04 22:52:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.357	.23838	.02257	.51049	.00325	19.016	.00039
SDev	.141	.00174	.00070	.00123	.00005	.085	.00012
%RSD	.17536	.72993	3.0852	.24154	1.4641	.44712	29.859
#1	80.257	.23715	.02306	.50962	.00322	18.956	.00047
#2	80.457	.23961	.02208	.51136	.00329	19.076	.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05693	.08043	.09866	98.976	7.5547	18.560	3.8870
SDev	.00070	.00043	.00126	.503	.0189	.103	.0178
%RSD	1.2358	.53184	1.2774	.50857	.25082	.55570	.45786
#1	.05643	.08013	.09777	98.620	7.5681	18.487	3.8744
#2	.05742	.08074	.09955	99.332	7.5413	18.633	3.8996
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00139	.41175	.08066	.72166	.73320	.72936	.00438
SDev	.00011	.14769	.00011	.01019	.00611	.00747	.00331
%RSD	7.8776	35.867	.13703	1.4116	.83277	1.0235	75.508
#1	.00147	.30733	.08059	.71446	.72888	.72408	.00204
#2	.00131	.51618	.08074	.72887	.73751	.73463	.00673
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00113	.00944	.00185	1.8339	-.00931	.14689	.35160
SDev	.00441	.00839	.00077	.0049	.00317	.00060	.00132
%RSD	389.60	88.788	41.705	.26522	34.007	.41067	.37487
#1	.00199	.00351	.00131	1.8373	-.00707	.14646	.35067
#2	-.00425	.01537	.00240	1.8305	L-.01155	.14731	.35253
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.02933	.00041
SDev	.00093	.00003
%RSD	3.1787	8.2888
#1	.02999	.00043
#2	.02867	.00039
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3674	--	--	--	--	--	--
SDev	34.47145	--	--	--	--	--	--
%RSD	.9381519	--	--	--	--	--	--
#1	3699	--	--	--	--	--	--
#2	3650	--	--	--	--	--	--

Analysis Report 08/02/04 11:01:11 PM page 1

Method: TRACE2 Sample Name: AD439407 Operator: SW
Run Time: 08/02/04 22:56:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	101.21	.55335	.02299	.73622	.00420	23.874	.00041
SDev	.32	.00031	.00007	.00169	.00000	.043	.00010
%RSD	.31549	.05607	.30601	.22952	.05714	.18193	25.153
#1	100.98	.55313	.02294	.73503	.00420	23.843	.00033
#2	101.43	.55357	.02304	.73742	.00420	23.905	.00048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07148	.10642	.16761	127.84	8.9644	22.013	4.9980
SDev	.00024	.00013	.00044	.18	.0289	.019	.0092
%RSD	.33985	.11922	.25995	.14293	.32232	.08672	.18456
#1	.07131	.10633	.16730	127.71	8.9849	21.999	4.9915
#2	.07165	.10651	.16792	127.97	8.9440	22.026	5.0045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00141	.82698	.09832	1.7763	1.7989	1.7913	.00329
SDev	.00031	.01911	.00013	.0055	.0040	.0008	.00023
%RSD	21.877	2.3108	.13319	.31150	.22024	.04466	7.1433
#1	.00163	.81346	.09823	1.7802	1.7961	1.7908	.00312
#2	.00119	.84049	.09842	1.7724	1.8017	1.7919	.00345
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	.00134	.00426	2.5206	L-.01048	.18945	.38297
SDev	.00207	.00077	.00074	.0050	.00167	.00016	.00148
%RSD	277.26	57.582	17.313	.19991	15.926	.08310	.38766
#1	.00221	.00188	.00374	2.5171	L-.01166	.18956	.38192
#2	-.00072	.00079	.00478	2.5242	-.00930	.18933	.38402
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03433	.00056
SDev	.00009	.00007
%RSD	.26796	13.306
#1	.03427	.00062
#2	.03440	.00051
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3778	--	--	--	--	--	--
SDev	2.439484	--	--	--	--	--	--
%RSD	.0645622	--	--	--	--	--	--
#1	3780	--	--	--	--	--	--
#2	3777	--	--	--	--	--	--

Analysis Report 08/02/04 11:05:35 PM page 1

Method: TRACE2 Sample Name: AD439408 Operator: SW
Run Time: 08/02/04 23:01:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.71	.46869	.02424	.79962	.00424	55.085	.00025
SDev	2.07	.01267	.00010	.01608	.00012	1.047	.00004
%RSD	1.9201	2.7024	.40589	2.0106	2.8670	1.9015	16.696
#1	106.25	.45973	.02417	.78825	.00415	54.344	.00022
#2	109.18	.47765	.02431	.81099	.00432	55.825	.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05407	.11789	.17703	141.52	9.5798	31.505	3.1637
SDev	.00132	.00274	.00440	2.78	.1164	.623	.0625
%RSD	2.4401	2.3230	2.4867	1.9629	1.2147	1.9777	1.9766
#1	.05313	.11596	.17392	139.55	9.4975	31.065	3.1195
#2	.05500	.11983	.18014	143.48	9.6621	31.946	3.2079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00173	.57278	.10926	1.6377	1.6594	1.6522	.00499
SDev	.00083	.03284	.00257	.0151	.0070	.0097	.00211
%RSD	48.308	5.7328	2.3482	.91921	.42383	.58735	42.259
#1	.00114	.59600	.10745	1.6271	1.6544	1.6453	.00649
#2	.00232	.54956	.11108	1.6484	1.6644	1.6591	.00350
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.00082	.00708	2.5114	L-.01238	.19690	.42191
SDev	.00329	.00801	.00084	.0562	.00005	.00456	.00954
%RSD	3252.4	973.67	11.852	2.2390	.42600	2.3183	2.2606
#1	-.00223	.00649	.00649	2.4716	L-.01242	.19368	.41516
#2	.00243	-.00484	.00767	2.5512	L-.01235	.20013	.42865
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03021	-.00049
SDev	.00042	.00023
%RSD	1.3946	47.301
#1	.02991	-.00032
#2	.03051	-.00065
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3771	--	--	--	--	--	--
SDev	37.17610	--	--	--	--	--	--
%RSD	.9859695	--	--	--	--	--	--
#1	3797	--	--	--	--	--	--
#2	3744	--	--	--	--	--	--

Analysis Report 08/02/04 11:10:00 PM page 1

Method: TRACE2 Sample Name: AD439409 Operator: SW
Run Time: 08/02/04 23:05:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	71.308	.20772	.02837	.48533	.00283	29.506	.00075
SDev	.041	.00085	.00020	.00051	.00001	.034	.00003
%RSD	.05792	.41168	.72379	.10437	.16468	.11629	3.5339
#1	71.279	.20711	.02851	.48497	.00283	29.482	.00073
#2	71.338	.20832	.02822	.48569	.00283	29.531	.00077
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04116	.09261	.12058	97.070	10.060	19.662	2.5382
SDev	.00005	.00015	.00060	.267	.005	.031	.0070
%RSD	.12703	.15729	.49338	.27549	.04704	.15741	.27568
#1	.04112	.09250	.12016	96.880	10.063	19.640	2.5333
#2	.04120	.09271	.12100	97.259	10.057	19.684	2.5432
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	.40674	.09642	1.0955	1.1121	1.1066	.00470
SDev	.00096	.00731	.00095	.0033	.0002	.0009	.00095
%RSD	96.554	1.7981	.98239	.30023	.02196	.08425	20.215
#1	.00031	.41191	.09709	1.0931	1.1123	1.1059	.00537
#2	.00167	.40157	.09575	1.0978	1.1119	1.1072	.00403
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00288	.00726	.00341	1.6279	L-.01058	.13264	.49301
SDev	.00140	.00518	.00117	.0028	.00106	.00046	.00088
%RSD	48.498	71.354	34.184	.17317	10.058	.34754	.17870
#1	.00387	.01093	.00259	1.6299	L-.01134	.13231	.49239
#2	.00190	.00360	.00424	1.6259	-.00983	.13297	.49364
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03831	.00044
SDev	.00075	.00018
%RSD	1.9660	42.335
#1	.03884	.00031
#2	.03778	.00057
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3871	--	--	--	--	--	--
SDev	.2651650	--	--	--	--	--	--
%RSD	.0068503	--	--	--	--	--	--
#1	3871	--	--	--	--	--	--
#2	3871	--	--	--	--	--	--

Analysis Report QC Standard 08/02/04 11:15:45 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/02/04 23:11:24
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.932	.49204	.48901	.48799	.51037	25.532	.48780
SDev	.063	.00011	.00263	.00027	.00036	.015	.00035
%RSD	.24185	.02270	.53743	.05466	.06953	.06001	.07169
#1	25.888	.49196	.48715	.48780	.51011	25.521	.48756
#2	25.976	.49212	.49087	.48817	.51062	25.542	.48805
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50028	.49330	.53032	25.562	25.329	25.115	.51536
SDev	.00030	.00175	.00052	.036	.018	.016	.00043
%RSD	.06070	.35460	.09884	.13927	.07047	.06461	.08365
#1	.50007	.49207	.52995	25.537	25.316	25.104	.51505
#2	.50050	.49454	.53069	25.588	25.341	25.127	.51566
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48468	25.412	.50312	.50506	.50091	.50229	.50606
SDev	.00042	.122	.00072	.00218	.00230	.00226	.00446
%RSD	.08752	.48146	.14419	.43111	.45995	.45029	.88130
#1	.48438	25.325	.50364	.50660	.50253	.50389	.50291
#2	.48498	25.498	.50261	.50352	.49928	.50069	.50922
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.50189	.50627	.50597	.50327	.51416	.50248	.48461
SDev	.00084	.00486	.00426	.00370	.00078	.00092	.00028
%RSD	.16739	.96055	.84165	.73535	.15092	.18338	.05870
#1	.50130	.50283	.50296	.50065	.51470	.50182	.48481
#2	.50248	.50971	.50898	.50588	.51361	.50313	.48440
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.48756	.50168
SDev	.00151	.00062
%RSD	.30913	.12376
#1	.48862	.50124
#2	.48649	.50212
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3432	--	--	--	--	--	--
SDev	1.537992	--	--	--	--	--	--
%RSD	.0448108	--	--	--	--	--	--
#1	3431	--	--	--	--	--	--
#2	3433	--	--	--	--	--	--

Analysis Report Blank Sample 08/02/04 11:20:11 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/02/04 23:15:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03036	-.00283	-.00023	.00039	.00029	.01657	.00010
SDev	.01138	.00266	.00001	.00010	.00005	.00545	.00003
%RSD	37.476	94.320	2.2667	25.348	15.781	32.881	28.329
#1	.02231	-.00471	-.00023	.00032	.00026	.01271	.00008
#2	.03840	-.00094	-.00023	.00046	.00033	.02042	.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00007	.00006	.00020	.04060	.03174	.01240	.00099
SDev	.00003	.00010	.00031	.01614	.01165	.00328	.00023
%RSD	46.343	164.11	155.06	39.742	36.717	26.458	23.344
#1	-.00004	.00013	.00042	.02919	.02350	.01008	.00083
#2	-.00009	-.00001	-.00002	H.05201	.03998	.01472	.00116
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00048	.19845	.00101	.00075	-.00031	.00004	.00063
SDev	.00029	.14610	.00039	.00259	.00076	.00137	.00339
%RSD	59.992	73.621	38.955	344.49	246.95	3046.9	536.70
#1	.00028	.30176	.00073	-.00108	-.00085	-.00092	-.00176
#2	.00068	.09514	.00129	.00258	.00023	.00101	.00303
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00213	-.00408	.00299	.00113	-.00306	.00004	.00049
SDev	.00077	.00768	.00124	.00052	.00029	.00038	.00014
%RSD	36.310	188.34	41.556	45.544	9.6132	889.08	27.424
#1	-.00267	-.00951	.00211	.00077	-.00327	.00031	.00059
#2	-.00158	.00135	.00386	.00150	-.00285	-.00023	.00040
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00018	.00031
SDev	.00019	.00038
%RSD	105.02	121.01
#1	.00032	.00057
#2	.00005	.00004
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3430	--	--	--	--	--	--
SDev	2.810646	--	--	--	--	--	--
%RSD	.0819445	--	--	--	--	--	--
#1	3428	--	--	--	--	--	--
#2	3432	--	--	--	--	--	--

Analysis Report 08/02/04 11:24:36 PM page 1

Method: TRACE2 Sample Name: AD439410 Operator: SW
Run Time: 08/02/04 23:20:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	93.595	.42686	.02269	.67464	.00406	23.546	.00096
SDev	.048	.00095	.00069	.00055	.00003	.001	.00011
%RSD	.05081	.22170	3.0265	.08135	.70238	.00470	11.329
#1	93.629	.42753	.02221	.67425	.00408	23.547	.00088
#2	93.561	.42619	.02318	.67503	.00404	23.545	.00104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05112	.10593	.16924	137.65	9.4284	21.774	3.1125
SDev	.00006	.00044	.00077	.17	.0231	.039	.0029
%RSD	.11378	.41578	.45427	.12459	.24495	.17741	.09357
#1	.05116	.10624	.16978	137.77	9.4447	21.802	3.1146
#2	.05108	.10562	.16870	137.53	9.4120	21.747	3.1104
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00173	.57199	.10036	1.5709	1.5739	1.5729	.00231
SDev	.00002	.02797	.00026	.0015	.0047	.0036	.00024
%RSD	.90778	4.8899	.26413	.09340	.29640	.22889	10.519
#1	.00174	.55222	.10017	1.5719	1.5772	1.5754	.00248
#2	.00172	.59177	.10054	1.5698	1.5706	1.5703	.00213
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00004	-.00018	.00355	2.1734	-.00934	.18299	.41169
SDev	.00047	.00489	.00281	.0049	.00065	.00093	.00149
%RSD	1110.3	2652.6	79.103	.22665	6.9978	.50897	.36170
#1	-.00029	-.00364	.00554	2.1769	-.00887	.18365	.41274
#2	.00037	.00327	.00156	2.1699	-.00980	.18233	.41064
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03162	.00054
SDev	.00021	.00007
%RSD	.65391	13.643
#1	.03147	.00049
#2	.03176	.00059
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3815	--	--	--	--	--	--
SDev	6.470130	--	--	--	--	--	--
%RSD	.1695893	--	--	--	--	--	--
#1	3811	--	--	--	--	--	--
#2	3820	--	--	--	--	--	--

Analysis Report 08/02/04 11:29:01 PM page 1

Method: TRACE2 Sample Name: AD439411 Operator: SW
Run Time: 08/02/04 23:24:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	93.141	.48216	.02272	.66468	.00386	23.983	.00079
SDev	.632	.00053	.00009	.00341	.00003	.110	.00006
%RSD	.67871	.11007	.39885	.51299	.91172	.46014	7.5318
#1	93.588	.48253	.02278	.66709	.00389	24.061	.00083
#2	92.694	.48178	.02265	.66227	.00384	23.905	.00075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05203	.10397	.15699	125.92	11.569	22.844	3.1007
SDev	.00048	.00123	.00114	.75	.081	.106	.0170
%RSD	.92330	1.1848	.72370	.59178	.69650	.46475	.54730
#1	.05237	.10484	.15780	126.45	11.626	22.919	3.1127
#2	.05169	.10310	.15619	125.39	11.512	22.769	3.0887
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00205	.60546	.09759	1.4611	1.4792	1.4732	.00724
SDev	.00028	.08142	.00021	.0043	.0126	.0099	.00303
%RSD	13.546	13.447	.21153	.29652	.85290	.66914	41.788
#1	.00225	.54789	.09774	1.4642	1.4881	1.4801	.00510
#2	.00185	.66303	.09745	1.4580	1.4703	1.4662	.00938
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00038	.00892	.00640	2.2279	-.00890	.17924	.35525
SDev	.00242	.00805	.00052	.0191	.00051	.00130	.00212
%RSD	629.99	90.208	8.0626	.85759	5.7505	.72328	.59571
#1	-.00210	.00323	.00604	2.2414	-.00926	.18015	.35675
#2	.00133	.01461	.00677	2.2144	-.00854	.17832	.35376
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03826	.00030
SDev	.00140	.00041
%RSD	3.6638	136.18
#1	.03925	.00001
#2	.03727	.00059
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3827	--	--	--	--	--	--
SDev	8.803617	--	--	--	--	--	--
%RSD	.2300381	--	--	--	--	--	--
#1	3821	--	--	--	--	--	--
#2	3833	--	--	--	--	--	--

Analysis Report 08/02/04 11:33:27 PM page 1

Method: TRACE2 Sample Name: AD439412 Operator: SW
Run Time: 08/02/04 23:29:06
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	80.566	.04161	.03167	.68193	.00353	65.587	.00111
SDev	.238	.00080	.00015	.00102	.00001	.025	.00009
%RSD	.29540	1.9105	.46790	.15004	.17426	.03820	8.0619
#1	80.734	.04105	.03177	.68266	.00352	65.605	.00104
#2	80.398	.04217	.03156	.68121	.00353	65.570	.00117
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04796	.08914	.12095	111.65	9.1662	27.927	3.3562
SDev	.00005	.00019	.00012	.10	.0301	.029	.0030
%RSD	.09804	.21743	.09821	.08534	.32785	.10264	.08888
#1	.04799	.08928	.12086	111.72	9.1875	27.947	3.3583
#2	.04793	.08900	.12103	111.58	9.1450	27.907	3.3541
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00215	.61451	.09369	.27041	.27762	.27522	.00220
SDev	.00071	.04452	.00046	.00455	.00262	.00023	.00183
%RSD	32.978	7.2448	.49518	1.6817	.94289	.08416	83.067
#1	.00165	.64599	.09402	.26720	.27947	.27538	.00349
#2	.00266	.58303	.09336	.27363	.27576	.27505	.00091
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00075	.00086	.00287	1.8732	-.00811	.14882	.47645
SDev	.00092	.00144	.00346	.0013	.00023	.00029	.00029
%RSD	121.77	167.38	120.54	.06780	2.7817	.19186	.06038
#1	.00140	-.00016	.00532	1.8741	-.00827	.14902	.47665
#2	.00010	.00188	.00042	1.8723	-.00795	.14862	.47625
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03327	.00002
SDev	.00126	.00026
%RSD	3.8003	1287.6
#1	.03238	-.00017
#2	.03416	.00021
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3804	--	--	--	--	--	--
SDev	3.765309	--	--	--	--	--	--
%RSD	.0989721	--	--	--	--	--	--
#1	3802	--	--	--	--	--	--
#2	3807	--	--	--	--	--	--

Analysis Report 08/02/04 11:37:53 PM page 1

Method: TRACE2 Sample Name: AD439063/PB Operator: SW
Run Time: 08/02/04 23:33:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05472	.00059	.00103	.00047	-.00002	.05683	-.00013
SDev	.00018	.00197	.00013	.00004	.00000	.00235	.00000
%RSD	.33884	331.77	12.161	9.3371	11.861	4.1351	.03895
#1	.05459	.00198	.00094	.00050	-.00002	.05849	-.00013
#2	.05485	-.00080	.00112	.00044	-.00001	.05516	-.00013
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00025	-.00022	.00025	H.06532	.06006	.01302	.00217
SDev	.00067	.00009	.00015	.00195	.00335	.00291	.00020
%RSD	266.45	39.054	59.194	2.9844	5.5828	22.342	9.1230
#1	.00022	-.00016	.00036	H.06394	.05769	.01507	.00231
#2	-.00073	-.00028	.00015	H.06670	.06243	.01096	.00203
Errors	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00044	.01613	.00046	.00234	-.00030	.00058	-.00011
SDev	.00085	.07593	.00031	.00382	.00151	.00026	.00355
%RSD	189.99	470.67	66.900	163.79	500.64	46.035	3286.3
#1	.00015	.06982	.00068	.00504	-.00137	.00076	-.00262
#2	-.00104	-.03756	.00024	-.00037	.00077	.00039	.00240
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00130	-.00117	.00042	.00197	-.00727	-.00012	.00152
SDev	.00096	.00528	.00269	.00003	.00043	.00045	.00000
%RSD	74.289	450.81	635.45	1.5901	5.9354	366.36	.21472
#1	.00062	-.00490	-.00148	.00199	-.00757	.00020	.00152
#2	.00198	.00256	.00232	.00195	-.00696	-.00044	.00152
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	H.05441	.00026
SDev	.00023	.00020
%RSD	.42505	77.700
#1	H.05457	.00041
#2	H.05424	.00012

Errors	LC High	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3487	--	--	--	--	--	--
SDev	6.629126	--	--	--	--	--	--
%RSD	.1900845	--	--	--	--	--	--
#1	3483	--	--	--	--	--	--
#2	3492	--	--	--	--	--	--

Analysis Report 08/02/04 11:42:18 PM page 1

Method: TRACE2 Sample Name: AD439062/CLPSL Operator: SW
Run Time: 08/02/04 23:37:57
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	56.287	.96570	.44349	2.9930	1.1851	30.122	.88570
SDev	.096	.00270	.00144	.0013	.0022	.054	.00287
%RSD	.17098	.27939	.32540	.04383	.18449	.17820	.32360
#1	56.355	.96760	.44451	2.9939	1.1867	30.160	.88773
#2	56.219	.96379	.44247	2.9920	1.1836	30.084	.88367
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	90.400	1.3200	.93600	3.9400	1.5700	40.100	1.2000
Low	36.800	.87700	.24600	2.7400	1.0900	26.300	.82300

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.1953	1.4539	1.1006	87.847	17.535	17.702	4.7670
SDev	.0033	.0023	.0019	.210	.039	.038	.0110
%RSD	.27766	.15963	.17652	.23876	.22007	.21336	.23075
#1	1.1976	1.4555	1.1020	87.995	17.562	17.728	4.7748
#2	1.1929	1.4522	1.0993	87.699	17.508	17.675	4.7592
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.6100	2.0300	1.3900	163.00	24.800	24.300	6.4100
Low	1.1100	1.3100	.97100	65.400	13.800	15.300	4.2700

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.39782	3.8510	1.1584	.91207	.92663	.92178	1.5323
SDev	.00039	.1988	.0026	.00123	.00398	.00225	.0020
%RSD	.09893	5.1626	.22860	.13546	.43009	.24375	.13128
#1	.39754	3.7104	1.1602	.91120	.92944	.92337	1.5338
#2	.39809	3.9916	1.1565	.91294	.92381	.92019	1.5309
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.54900	6.5300	1.5000			1.2200	2.0700
Low	.36100	2.5100	1.0400			.82200	1.2500

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.38305	1.5096	1.5437	3.1078	1.4767	1.0403	1.5909
SDev	.00122	.0022	.0041	.0062	.0007	.0021	.0059
%RSD	.31811	.14273	.26525	.20018	.04710	.20149	.37201
#1	.38392	1.5080	1.5466	3.1122	1.4762	1.0418	1.5951
#2	.38219	1.5111	1.5408	3.1034	1.4772	1.0389	1.5867
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	1.4500			4.8000	1.8900	1.4800	2.3300
Low	.00000			1.1800	1.1500	.88200	1.5300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	2.0106	.75594
SDev	.0067	.00011
%RSD	.33420	.01421
#1	2.0154	.75601
#2	2.0059	.75586
Errors	LC Pass	LC Pass
High	2.9900	1.1500
Low	1.6000	.50800

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3967	--	--	--	--	--	--
SDev	.6894982	--	--	--	--	--	--
%RSD	.0173808	--	--	--	--	--	--
#1	3967	--	--	--	--	--	--
#2	3968	--	--	--	--	--	--

Analysis Report 08/02/04 11:46:45 PM page 1

Method: TRACE2 Sample Name: AD439049 Operator: SW
Run Time: 08/02/04 23:42:23
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	90.197	.05706	.06570	1.2168	.00486	196.09	.00620
SDev	.145	.00111	.00091	.0009	.00006	.16	.00011
%RSD	.16074	1.9524	1.3832	.07482	1.2454	.08326	1.7644
#1	90.299	.05627	.06506	1.2175	.00490	195.97	.00628
#2	90.094	.05784	.06634	1.2162	.00481	196.21	.00612
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06619	.13040	.21884	141.81	17.016	54.927	3.5229
SDev	.00017	.00023	.00024	.17	.056	.015	.0040
%RSD	.25951	.17795	.11086	.11721	.32964	.02738	.11497
#1	.06631	.13056	.21867	141.69	17.055	54.917	3.5201
#2	.06607	.13023	.21901	141.92	16.976	54.938	3.5258
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00464	1.0368	.13880	2.9223	2.9712	2.9549	.00107
SDev	.00055	.0299	.00032	.0007	.0009	.0003	.00121
%RSD	11.771	2.8792	.23198	.02398	.02928	.01174	112.73
#1	.00503	1.0157	.13902	2.9218	2.9718	2.9551	.00022
#2	.00425	1.0579	.13857	2.9228	2.9706	2.9546	.00193
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00208	-.00240	.00281	2.2703	-.00989	.19347	2.2040
SDev	.00006	.00088	.00225	.0066	.00238	.00020	.0019
%RSD	2.7274	36.538	80.156	.28875	24.043	.10488	.08636
#1	.00204	-.00178	.00122	2.2750	-.00821	.19361	2.2027
#2	.00212	-.00302	.00440	2.2657	L-.01157	.19332	2.2053
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04800	.00105
SDev	.00072	.00010
%RSD	1.4917	9.6735
#1	.04749	.00098
#2	.04851	.00113
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3749	--	--	--	--	--	--
SDev	1.537992	--	--	--	--	--	--
%RSD	.0410234	--	--	--	--	--	--
#1	3750	--	--	--	--	--	--
#2	3748	--	--	--	--	--	--

Analysis Report 08/02/04 11:51:11 PM page 1

Method: TRACE2 Sample Name: AD439049/L (1:5) Operator: SW
Run Time: 08/02/04 23:46:49
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	20.528	.01128	.01613	.26090	.00106	42.697	.00134
SDev	.031	.00046	.00045	.00015	.00001	.014	.00006
%RSD	.15185	4.0838	2.7669	.05863	1.2503	.03279	4.7782
#1	20.550	.01160	.01644	.26101	.00105	42.687	.00130
#2	20.506	.01095	.01581	.26079	.00107	42.706	.00139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01463	.02933	.04558	30.986	4.2511	11.659	.75922
SDev	.00016	.00001	.00010	.071	.0308	.000	.00177
%RSD	1.0869	.04895	.20756	.22917	.72454	.00305	.23268
#1	.01452	.02934	.04551	30.936	4.2729	11.658	.75797
#2	.01474	.02932	.04564	31.036	4.2293	11.659	.76047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.28996	.02985	.62898	.63212	.63107	.00285
SDev	.00011	.13171	.00036	.00554	.00426	.00469	.00096
%RSD	65.513	45.425	1.2114	.88158	.67337	.74247	33.804
#1	.00024	.38310	.02959	.62506	.62911	.62776	.00217
#2	.00009	.19682	.03011	.63290	.63513	.63439	.00353
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00162	.00176	.00340	.63535	-.00191	.04327	.48783
SDev	.00135	.00054	.00118	.00615	.00122	.00024	.00080
%RSD	82.985	30.565	34.642	.96732	64.053	.55071	.16487
#1	-.00257	.00138	.00257	.63100	-.00104	.04310	.48726
#2	-.00067	.00214	.00423	.63970	-.00277	.04344	.48840
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.01255	.00010
SDev	.00231	.00017
%RSD	18.373	168.47
#1	.01092	-.00002
#2	.01418	.00022
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3617	--	--	--	--	--	--
SDev	25.56201	--	--	--	--	--	--
%RSD	.7066844	--	--	--	--	--	--
#1	3635	--	--	--	--	--	--
#2	3599	--	--	--	--	--	--

Analysis Report 08/02/04 11:55:38 PM page 1

Method: TRACE2 Sample Name: AD439050/MS Operator: SW
Run Time: 08/02/04 23:51:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	109.40	.23040	.22425	6.4514	.18232	182.50	.18634
SDev	.43	.00011	.00084	.0132	.00030	.30	.00032
%RSD	.39555	.04665	.37499	.20498	.16175	.16487	.17235
#1	109.71	.23048	.22484	6.4608	.18253	182.72	.18656
#2	109.10	.23033	.22365	6.4421	.18211	182.29	.18611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.26672	.32424	.40190	154.48	24.945	63.221	3.9397
SDev	.00066	.00089	.00001	.30	.105	.147	.0096
%RSD	.24820	.27366	.00123	.19696	.42121	.23219	.24265
#1	.26719	.32486	.40189	154.69	25.019	63.325	3.9464
#2	.26626	.32361	.40190	154.26	24.871	63.117	3.9329
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16086	10.447	.31449	12.704	12.650	12.668	.18534
SDev	.00065	.126	.00013	.014	.020	.018	.00186
%RSD	.40277	1.2093	.04056	.10813	.16134	.14357	1.0022
#1	.16041	10.537	.31440	12.694	12.636	12.655	.18666
#2	.16132	10.358	.31458	12.714	12.665	12.681	.18403
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05355	.18662	.18471	5.3650	.16517	.37013	H7.0353
SDev	.00092	.00045	.00301	.0738	.00211	.00007	.0138
%RSD	1.7210	.24060	1.6301	1.3758	1.2754	.01867	.19654
#1	.05420	.18630	.18684	5.4172	.16666	.37008	H7.0451
#2	.05290	.18694	.18258	5.3128	.16368	.37018	H7.0256
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.28859	.04588
SDev	.00028	.00019
%RSD	.09876	.42320
#1	.28839	.04574
#2	.28879	.04602
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3757	--	--	--	--	--	--
SDev	3.447145	--	--	--	--	--	--
%RSD	.0917431	--	--	--	--	--	--
#1	3760	--	--	--	--	--	--
#2	3755	--	--	--	--	--	--

Analysis Report 08/03/04 00:00:02 AM page 1

Method: TRACE2 Sample Name: AD439051/SD Operator: SW
Run Time: 08/02/04 23:55:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	110.16	.23353	.22638	1.4461	.18568	H338.73	.17850
SDev	.02	.00092	.00026	.0006	.00025	.33	.00034
%RSD	.01435	.39372	.11293	.04052	.13270	.09674	.19017
#1	110.18	.23288	.22656	1.4465	.18586	H338.96	.17874
#2	110.15	.23418	.22620	1.4457	.18551	H338.50	.17826
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.24343	.49665	.42538	151.29	25.764	72.958	4.4191
SDev	.00039	.00060	.00064	.25	.037	.173	.0057
%RSD	.16193	.12028	.15083	.16582	.14424	.23723	.12824
#1	.24371	.49707	.42583	151.46	25.790	73.081	4.4231
#2	.24315	.49622	.42493	151.11	25.738	72.836	4.4151
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17228	10.566	.32106	3.7195	3.7301	3.7266	.18384
SDev	.00014	.060	.00029	.0214	.0067	.0116	.00603
%RSD	.08185	.56983	.08963	.57574	.17993	.31149	3.2798
#1	.17218	10.609	.32127	3.7347	3.7349	3.7348	.18810
#2	.17238	10.523	.32086	3.7044	3.7254	3.7184	.17957
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06474	.18074	.18539	2.5401	.16769	.38305	2.6243
SDev	.00198	.00970	.00419	.0032	.00172	.00033	.0064
%RSD	3.0651	5.3678	2.2620	.12795	1.0234	.08679	.24262
#1	.06614	.18760	.18835	2.5378	.16891	.38328	2.6288
#2	.06334	.17388	.18242	2.5424	.16648	.38281	2.6198
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.19840	.04703
SDev	.00105	.00036
%RSD	.52859	.75441
#1	.19766	.04678
#2	.19914	.04728
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3649	--	--	--	--	--	--
SDev	.2121666	--	--	--	--	--	--
%RSD	.0058141	--	--	--	--	--	--
#1	3649	--	--	--	--	--	--
#2	3649	--	--	--	--	--	--

Analysis Report 08/03/04 00:04:26 AM page 1

Method: TRACE2 Sample Name: AD439052 Operator: SW
Run Time: 08/03/04 00:00:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	107.21	.04382	.08627	.87607	.00543	275.26	.00238
SDev	.35	.00073	.00175	.00318	.00000	.14	.00014
%RSD	.32660	1.6609	2.0251	.36353	.08141	.04953	5.9094
#1	107.45	.04434	.08751	.87832	.00543	275.36	.00248
#2	106.96	.04331	.08503	.87382	.00543	275.17	.00228
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06911	.13473	.22622	158.28	19.063	83.149	4.0884
SDev	.00025	.00073	.00076	.36	.149	.145	.0062
%RSD	.36558	.54119	.33794	.22466	.78385	.17459	.15144
#1	.06929	.13524	.22568	158.53	19.168	83.251	4.0928
#2	.06893	.13421	.22676	158.03	18.957	83.046	4.0840
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00487	1.1953	.15659	.71699	.73075	.72617	.00498
SDev	.00059	.0420	.00022	.00271	.00228	.00061	.00053
%RSD	12.034	3.5146	.13860	.37839	.31162	.08475	10.736
#1	.00529	1.2250	.15674	.71891	.72914	.72573	.00460
#2	.00446	1.1656	.15643	.71507	.73236	.72660	.00535
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00063	.00589	.00452	2.3105	L-.01243	.20535	.84146
SDev	.00127	.00290	.00065	.0201	.00195	.00061	.00182
%RSD	202.47	49.206	14.304	.87140	15.720	.29824	.21672
#1	.00152	.00384	.00498	2.3247	L-.01104	.20579	.84275
#2	-.00027	.00793	.00406	2.2962	L-.01381	.20492	.84017
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.06019	.00043
SDev	.00082	.00005
%RSD	1.3692	11.874
#1	.06078	.00040
#2	.05961	.00047
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3693	--	--	--	--	--	--
SDev	.3713346	--	--	--	--	--	--
%RSD	.0100558	--	--	--	--	--	--
#1	3693	--	--	--	--	--	--
#2	3692	--	--	--	--	--	--

Analysis Report QC Standard 08/03/04 00:10:11 AM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/03/04 00:05:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.112	.47269	.46998	.47597	.49364	24.986	.47442
SDev	.031	.00057	.00129	.00028	.00047	.007	.00060
%RSD	.12196	.12080	.27527	.05837	.09484	.02997	.12734
#1	25.090	.47309	.46907	.47617	.49397	24.981	.47485
#2	25.134	.47228	.47090	.47577	.49331	24.991	.47400
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47732	.47327	.51518	24.438	24.561	24.180	.49291
SDev	.00024	.00031	.00018	.003	.030	.008	.00041
%RSD	.05021	.06517	.03564	.01063	.12138	.03502	.08300
#1	.47715	.47349	.51530	24.440	24.582	24.186	.49320
#2	.47749	.47305	.51505	24.436	24.540	24.174	.49262
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46528	24.766	.48982	.48640	.48885	.48803	.48442
SDev	.00024	.096	.00019	.00102	.00197	.00165	.00484
%RSD	.05193	.38889	.03960	.20885	.40331	.33877	.99867
#1	.46511	24.698	.48996	.48568	.48745	.48686	.48100
#2	.46545	24.834	.48968	.48712	.49024	.48920	.48784
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48701	.47652	.48837	.49492	.49887	.48702	.46493
SDev	.00024	.00419	.00516	.01163	.00490	.00091	.00151
%RSD	.04972	.88013	1.0565	2.3499	.98248	.18620	.32567
#1	.48684	.47356	.48472	.48669	.49541	.48766	.46600
#2	.48719	.47949	.49202	.50314	.50234	.48638	.46386
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.46508	.48654
SDev	.00194	.00086
%RSD	.41662	.17760
#1	.46645	.48716
#2	.46371	.48593
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3567	--	--	--	--	--	--
SDev	.9014921	--	--	--	--	--	--
%RSD	.0252707	--	--	--	--	--	--
#1	3568	--	--	--	--	--	--
#2	3567	--	--	--	--	--	--

Analysis Report Blank Sample 08/03/04 00:14:37 AM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/03/04 00:10:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03778	-.00016	-.00026	.00052	.00021	.05119	.00009
SDev	.00912	.00067	.00092	.00007	.00000	.00053	.00018
%RSD	24.155	416.27	351.07	13.244	1.8255	1.0375	207.91
#1	.03133	.00031	.00039	.00047	.00022	.05157	.00021
#2	.04423	-.00063	-.00091	.00057	.00021	.05082	-.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00016	.00050	-.00043	.04096	.04416	.02115	.00105
SDev	.00015	.00039	.00004	.00282	.00350	.00261	.00003
%RSD	94.399	77.843	9.4663	6.8755	7.9344	12.357	3.1207
#1	.00005	.00077	-.00040	.04295	.04664	.01930	.00103
#2	.00027	.00022	-.00045	.03897	.04168	.02299	.00107
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00036	.14092	.00048	.00172	.00056	.00095	.00117
SDev	.00001	.21361	.00014	.00152	.00040	.00024	.00068
%RSD	3.9896	151.58	29.698	87.981	70.509	25.153	58.044
#1	.00037	.29197	.00038	.00279	.00028	.00112	.00166
#2	.00035	-.01012	.00058	.00065	.00085	.00078	.00069
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00028	-.00054	.00203	.00219	.00036	.00035	.00089
SDev	.00075	.00027	.00089	.00184	.00211	.00022	.00047
%RSD	270.13	50.046	43.665	83.920	578.00	64.292	52.039
#1	.00081	-.00035	.00266	.00089	.00186	.00051	.00122
#2	-.00025	-.00073	.00140	.00349	-.00113	.00019	.00056
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00079	-.00015
SDev	.00043	.00065
%RSD	55.029	433.18
#1	.00048	.00031
#2	.00109	-.00061
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3519	--	--	--	--	--	--
SDev	6.310963	--	--	--	--	--	--
%RSD	.1793186	--	--	--	--	--	--
#1	3515	--	--	--	--	--	--
#2	3524	--	--	--	--	--	--

Analysis Report 08/03/04 00:19:01 AM page 1

Method: TRACE2 Sample Name: AD439053 Operator: SW
Run Time: 08/03/04 00:14:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	79.843	.06122	.07831	.74962	.00432	99.054	.00355
SDev	.076	.00008	.00005	.00047	.00002	.133	.00001
%RSD	.09507	.13157	.06772	.06231	.51967	.13431	.12829
#1	79.897	.06127	.07828	.74928	.00430	98.960	.00356
#2	79.789	.06116	.07835	.74995	.00434	99.148	.00355
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06020	.11430	.26513	149.15	13.624	39.636	3.5889
SDev	.00012	.00036	.00032	.11	.012	.039	.0020
%RSD	.20288	.31069	.11969	.07590	.08586	.09826	.05485
#1	.06012	.11405	.26491	149.07	13.632	39.608	3.5876
#2	.06029	.11455	.26535	149.23	13.616	39.663	3.5903
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00665	.62289	.15798	1.0916	1.1221	1.1120	.00905
SDev	.00083	.04914	.00063	.0019	.0043	.0035	.00093
%RSD	12.518	7.8884	.39608	.17479	.38104	.31362	10.308
#1	.00607	.58814	.15753	1.0902	1.1191	1.1095	.00971
#2	.00724	.65763	.15842	1.0929	1.1252	1.1144	.00839
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00265	.00918	.00899	1.5931	L-.01092	.17018	1.1253
SDev	.00048	.00842	.00281	.0011	.00025	.00002	.0016
%RSD	18.123	91.769	31.272	.07018	2.2729	.01127	.14665
#1	.00299	.01513	.00700	1.5939	L-.01110	.17016	1.1241
#2	.00231	.00322	.01098	1.5923	L-.01075	.17019	1.1264
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.05205	.00084
SDev	.00056	.00005
%RSD	1.0674	6.2181
#1	.05166	.00081
#2	.05244	.00088
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3802	--	--	--	--	--	--
SDev	9.545941	--	--	--	--	--	--
%RSD	.2510636	--	--	--	--	--	--
#1	3809	--	--	--	--	--	--
#2	3795	--	--	--	--	--	--

Analysis Report 08/03/04 00:23:26 AM page 1

Method: TRACE2 Sample Name: AD439054 Operator: SW
Run Time: 08/03/04 00:19:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	127.13	.03707	.11302	.93243	.00591	H411.18	.00121
SDev	.50	.00045	.00133	.00341	.00002	.07	.00024
%RSD	.39650	1.2213	1.1772	.36617	.36616	.01594	20.205
#1	127.49	.03675	.11396	.93485	.00593	H411.23	.00104
#2	126.77	.03739	.11207	.93002	.00590	H411.13	.00139
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.08586	.15264	.16671	173.77	21.818	H131.82	4.7988
SDev	.00019	.00041	.00022	.52	.312	.13	.0162
%RSD	.21852	.26959	.13168	.30180	1.4280	.09644	.33675
#1	.08573	.15293	.16656	173.40	22.038	H131.73	4.7874
#2	.08599	.15235	.16687	174.14	21.597	H131.91	4.8102
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00236	1.6172	.19087	.26341	.27889	.27374	.00103
SDev	.00035	.0453	.00104	.00261	.00050	.00053	.00048
%RSD	14.845	2.8036	.54387	.98903	.17988	.19469	46.908
#1	.00211	1.6492	.19161	.26157	.27924	.27336	.00069
#2	.00261	1.5851	.19014	.26526	.27853	.27411	.00138
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00019	-.00204	.00257	2.5058	L-.01765	.22893	.62262
SDev	.00101	.00380	.00117	.0408	.00203	.00105	.00196
%RSD	526.03	186.04	45.589	1.6279	11.495	.45952	.31496
#1	-.00091	-.00473	.00340	2.5346	L-.01622	.22967	.62123
#2	.00052	.00064	.00174	2.4769	L-.01909	.22818	.62400
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03514	.00002
SDev	.00080	.00051
%RSD	2.2832	2718.6
#1	.03457	-.00034
#2	.03571	.00038
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3857	--	--	--	--	--	--
SDev	1.484993	--	--	--	--	--	--
%RSD	.0384980	--	--	--	--	--	--
#1	3856	--	--	--	--	--	--
#2	3858	--	--	--	--	--	--

Analysis Report 08/03/04 00:27:51 AM page 1

Method: TRACE2 Sample Name: AD439055 Operator: SW
Run Time: 08/03/04 00:23:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	123.18	.05973	.06722	1.0369	.00603	209.90	.00409
SDev	.45	.00027	.00019	.0014	.00001	.05	.00006
%RSD	.36448	.45653	.27960	.13930	.13989	.02176	1.4160
#1	123.50	.05993	.06736	1.0379	.00603	209.86	.00405
#2	122.86	.05954	.06709	1.0359	.00604	209.93	.00414
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10516	.15124	.23027	193.61	17.394	73.647	8.7080
SDev	.00085	.00058	.00034	.02	.173	.016	.0026
%RSD	.80728	.38493	.14984	.00860	.99668	.02126	.02933
#1	.10576	.15165	.23003	193.62	17.517	73.658	8.7099
#2	.10456	.15082	.23051	193.60	17.272	73.636	8.7062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00378	1.0187	.19117	.78581	.79489	.79186	.00668
SDev	.00045	.0993	.00038	.00155	.00520	.00398	.00170
%RSD	11.924	9.7520	.19690	.19694	.65382	.50284	25.461
#1	.00346	.94844	.19091	.78471	.79121	.78905	.00548
#2	.00410	1.0889	.19144	.78690	.79856	.79468	.00788
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00006	.01042	.00480	2.3859	L-.01508	.24191	.91507
SDev	.00396	.00911	.00200	.0103	.00048	.00082	.00049
%RSD	7124.2	87.391	41.710	.43339	3.1593	.33874	.05370
#1	-.00274	.00398	.00622	2.3932	L-.01542	.24249	.91473
#2	.00286	.01686	.00339	2.3786	L-.01474	.24133	.91542
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04378	.00104
SDev	.00065	.00026
%RSD	1.4898	25.335
#1	.04332	.00085
#2	.04424	.00122
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3840	--	--	--	--	--	--
SDev	7.477792	--	--	--	--	--	--
%RSD	.1947171	--	--	--	--	--	--
#1	3846	--	--	--	--	--	--
#2	3835	--	--	--	--	--	--

Analysis Report 08/03/04 00:32:17 AM page 1

Method: TRACE2 Sample Name: AD439056 Operator: SW
Run Time: 08/03/04 00:27:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.315	.08147	.09602	.49515	.00234	175.22	.00449
SDev	.100	.00053	.00087	.00080	.00001	.23	.00002
%RSD	.33036	.65728	.90718	.16120	.55668	.13069	.44389
#1	30.386	.08185	.09664	.49571	.00233	175.06	.00450
#2	30.244	.08109	.09541	.49458	.00235	175.38	.00448
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01877	.18406	.29483	51.357	10.453	25.691	2.0589
SDev	.00009	.00034	.00053	.006	.018	.004	.0007
%RSD	.47055	.18421	.18104	.01189	.17155	.01717	.03222
#1	.01884	.18382	.29521	51.361	10.465	25.688	2.0584
#2	.01871	.18430	.29445	51.353	10.440	25.694	2.0594
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00427	.40485	.05694	.47402	.48061	.47842	.00399
SDev	.00032	.03851	.00071	.00167	.00207	.00083	.00135
%RSD	7.5221	9.5118	1.2378	.35199	.43143	.17295	33.815
#1	.00450	.43208	.05644	.47520	.47915	.47783	.00304
#2	.00405	.37762	.05744	.47284	.48208	.47900	.00495
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.00333	.00432	.74301	-.00579	.05606	.93896
SDev	.00096	.00184	.00110	.00192	.00336	.00040	.00104
%RSD	395.96	55.314	25.527	.25842	58.018	.70674	.11033
#1	-.00092	.00203	.00354	.74436	-.00816	.05578	.93823
#2	.00044	.00464	.00510	.74165	-.00341	.05634	.93970
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04330	.00044
SDev	.00272	.00024
%RSD	6.2814	54.907
#1	.04523	.00061
#2	.04138	.00027
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3540	--	--	--	--	--	--
SDev	6.151794	--	--	--	--	--	--
%RSD	.1737648	--	--	--	--	--	--
#1	3545	--	--	--	--	--	--
#2	3536	--	--	--	--	--	--

Analysis Report 08/03/04 00:36:42 AM page 1

Method: TRACE2 Sample Name: AD439057 Operator: SW
Run Time: 08/03/04 00:32:21
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	44.170	.12572	.11607	.83027	.00230	169.44	.00720
SDev	.109	.00213	.00070	.00110	.00000	.18	.00003
%RSD	.24734	1.6952	.60550	.13228	.17226	.10513	.46268
#1	44.247	.12421	.11657	.83105	.00230	169.57	.00718
#2	44.092	.12723	.11558	.82949	.00230	169.32	.00722
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03072	.22620	.47671	75.229	14.288	28.976	2.2266
SDev	.00002	.00086	.00007	.076	.027	.035	.0036
%RSD	.07120	.38157	.01493	.10087	.19052	.12132	.16205
#1	.03070	.22681	.47676	75.282	14.307	29.001	2.2291
#2	.03073	.22559	.47666	75.175	14.268	28.951	2.2240
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00392	.72399	.08994	1.9710	2.0008	1.9909	.00521
SDev	.00011	.13019	.00088	.0068	.0048	.0055	.00067
%RSD	2.6848	17.982	.97475	.34745	.23908	.27481	12.889
#1	.00384	.63194	.09056	1.9758	2.0042	1.9947	.00569
#2	.00399	.81605	.08932	1.9661	1.9974	1.9870	.00474
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00138	.00441	.00561	1.0377	-.00866	.08845	2.1480
SDev	.00041	.00338	.00270	.0020	.00259	.00026	.0057
%RSD	29.932	76.500	48.065	.19224	29.928	.28778	.26665
#1	.00108	.00203	.00751	1.0391	-.00683	.08863	2.1520
#2	.00167	.00680	.00370	1.0363	L-.01049	.08827	2.1439
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.05995	.00082
SDev	.00057	.00063
%RSD	.95406	77.039
#1	.05955	.00037
#2	.06036	.00127
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3601	--	--	--	--	--	--
SDev	4.401809	--	--	--	--	--	--
%RSD	.1222228	--	--	--	--	--	--
#1	3598	--	--	--	--	--	--
#2	3605	--	--	--	--	--	--

Analysis Report 08/03/04 00:41:08 AM page 1

Method: TRACE2 Sample Name: AD439058 Operator: SW
Run Time: 08/03/04 00:36:47
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	92.019	.04868	.05615	.98889	.00412	89.721	.00411
SDev	.019	.00009	.00038	.00028	.00001	.111	.00004
%RSD	.02119	.19317	.68460	.02786	.25039	.12404	1.0470
#1	92.033	.04875	.05642	.98870	.00411	89.643	.00408
#2	92.005	.04862	.05588	.98909	.00413	89.800	.00414
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05675	.12776	.24222	147.95	14.096	44.895	2.5516
SDev	.00006	.00110	.00054	.07	.011	.080	.0017
%RSD	.11401	.85760	.22123	.04724	.07569	.17806	.06699
#1	.05671	.12854	.24184	147.90	14.103	44.838	2.5504
#2	.05680	.12699	.24260	148.00	14.088	44.951	2.5528
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00508	.76346	.13689	2.0602	2.0886	2.0792	.00624
SDev	.00075	.14697	.00024	.0110	.0048	.0068	.00081
%RSD	14.775	19.251	.17265	.53222	.22841	.32866	12.956
#1	.00455	.65953	.13673	2.0525	2.0853	2.0743	.00567
#2	.00561	.86738	.13706	2.0680	2.0920	2.0840	.00681
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00411	.00731	1.9213	L-.01090	.17692	1.9600
SDev	.00077	.00346	.00052	.0040	.00026	.00012	.0035
%RSD	3702.5	84.287	7.1034	.20933	2.3756	.06636	.17847
#1	.00052	.00166	.00767	1.9241	L-.01071	.17683	1.9576
#2	-.00056	.00656	.00694	1.9184	L-.01108	.17700	1.9625
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.06625	.00085
SDev	.00072	.00053
%RSD	1.0938	62.348
#1	.06574	.00047
#2	.06676	.00122
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3792	--	--	--	--	--	--
SDev	2.492482	--	--	--	--	--	--
%RSD	.0657255	--	--	--	--	--	--
#1	3794	--	--	--	--	--	--
#2	3791	--	--	--	--	--	--

Analysis Report 08/03/04 00:45:34 AM page 1

Method: TRACE2 Sample Name: AD439059 Operator: SW
Run Time: 08/03/04 00:41:12
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	85.112	.03452	.03999	.56908	.00391	43.533	.00160
SDev	.104	.00068	.00050	.00101	.00002	.037	.00002
%RSD	.12223	1.9640	1.2472	.17821	.49599	.08589	1.0156
#1	85.186	.03500	.04034	.56980	.00392	43.560	.00159
#2	85.039	.03404	.03963	.56837	.00389	43.507	.00161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04572	.11223	.10045	124.87	12.297	19.022	2.4210
SDev	.00008	.00011	.00083	.13	.014	.017	.0022
%RSD	.17331	.09522	.82283	.10434	.11180	.08898	.09207
#1	.04566	.11231	.10103	124.96	12.307	19.034	2.4226
#2	.04577	.11216	.09986	124.78	12.287	19.010	2.4194
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00513	.71934	.10389	.15027	.15856	.15580	.00399
SDev	.00052	.02344	.00030	.00179	.00268	.00238	.00382
%RSD	10.206	3.2578	.28560	1.1889	1.6881	1.5277	95.667
#1	.00476	.70277	.10410	.15154	.16045	.15748	.00669
#2	.00550	.73591	.10368	.14901	.15666	.15412	.00129
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00024	.00054	.00572	1.2254	L-.01194	.17249	.50019
SDev	.00205	.00673	.00236	.0058	.00473	.00024	.00055
%RSD	867.64	1241.5	41.310	.47093	39.648	.14005	.10975
#1	-.00122	.00530	.00739	1.2295	L-.01529	.17232	.50058
#2	.00169	-.00422	.00405	1.2213	-.00859	.17266	.49980
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.02851	.00056
SDev	.00176	.00017
%RSD	6.1557	30.956
#1	.02727	.00044
#2	.02975	.00068
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3796	--	--	--	--	--	--
SDev	9.811107	--	--	--	--	--	--
%RSD	.2584685	--	--	--	--	--	--
#1	3789	--	--	--	--	--	--
#2	3803	--	--	--	--	--	--

Analysis Report 08/03/04 00:50:00 AM page 1

Method: TRACE2 Sample Name: AD439060 Operator: SW
Run Time: 08/03/04 00:45:38
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	36.938	.02137	.17065	.43990	.00227	203.01	.00338
SDev	.021	.00121	.00081	.00007	.00001	.36	.00000
%RSD	.05743	5.6416	.47453	.01598	.27928	.17910	.09609
#1	36.953	.02222	.17123	.43995	.00227	202.76	.00338
#2	36.923	.02052	.17008	.43985	.00227	203.27	.00337
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01846	.06979	.21995	52.365	32.477	40.354	2.1271
SDev	.00034	.00026	.00030	.050	.021	.056	.0010
%RSD	1.8360	.37802	.13565	.09472	.06449	.13913	.04709
#1	.01822	.06960	.21973	52.330	32.492	40.314	2.1264
#2	.01870	.06998	.22016	52.400	32.462	40.394	2.1278
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00431	5.6453	.04607	.20038	.20405	.20282	.00272
SDev	.00102	.0432	.00067	.00015	.00050	.00028	.00097
%RSD	23.623	.76503	1.4535	.07452	.24426	.13939	35.893
#1	.00359	5.6759	.04560	.20048	.20369	.20262	.00203
#2	.00503	5.6148	.04654	.20027	.20440	.20302	.00341
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00055	.00648	.00083	.97310	L-.01100	.06179	.68441
SDev	.00193	.00017	.00138	.00210	.00290	.00007	.00163
%RSD	349.77	2.6135	165.30	.21602	26.326	.12161	.23845
#1	.00081	.00636	-.00014	.97459	L-.01305	.06185	.68326
#2	-.00192	.00660	.00181	.97161	-.00896	.06174	.68556
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.04211	.00030
SDev	.00096	.00004
%RSD	2.2818	12.793
#1	.04143	.00033
#2	.04279	.00027
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3665	--	--	--	--	--	--
SDev	3.977476	--	--	--	--	--	--
%RSD	.1085330	--	--	--	--	--	--
#1	3668	--	--	--	--	--	--
#2	3662	--	--	--	--	--	--

Analysis Report 08/03/04 00:54:26 AM page 1

Method: TRACE2 Sample Name: AD439061 Operator: SW
Run Time: 08/03/04 00:50:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	87.424	.03598	.04760	.60393	.00371	171.90	.00348
SDev	.740	.00035	.00073	.00447	.00006	1.16	.00005
%RSD	.84602	.97723	1.5355	.73931	1.6622	.67228	1.3556
#1	87.947	.03573	.04811	.60709	.00375	172.71	.00345
#2	86.901	.03623	.04708	.60077	.00366	171.08	.00351
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04407	.10187	.15127	121.40	12.267	33.123	3.0587
SDev	.00010	.00104	.00102	.88	.096	.253	.0214
%RSD	.21869	1.0171	.67073	.72075	.78336	.76296	.69812
#1	.04414	.10260	.15199	122.02	12.335	33.302	3.0738
#2	.04400	.10113	.15056	120.78	12.199	32.945	3.0436
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00517	.88577	.09429	.27155	.27647	.27483	.00425
SDev	.00147	.02267	.00082	.00626	.00221	.00356	.00297
%RSD	28.515	2.5594	.86984	2.3035	.79808	1.2934	69.899
#1	.00622	.86974	.09487	.27597	.27803	.27734	.00635
#2	.00413	.90180	.09371	.26713	.27491	.27232	.00215
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00076	.00467	.00404	1.6828	L-.01423	.17207	.70616
SDev	.00161	.00681	.00105	.0108	.00154	.00136	.00399
%RSD	212.38	145.96	25.932	.63975	10.837	.78984	.56535
#1	-.00190	.00949	.00478	1.6904	L-.01314	.17303	.70898
#2	.00038	-.00015	.00330	1.6752	L-.01532	.17111	.70334
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Low	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.03281	.00059
SDev	.00000	.00021
%RSD	.00607	35.503
#1	.03282	.00044
#2	.03281	.00073
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3808	--	--	--	--	--	--
SDev	25.45585	--	--	--	--	--	--
%RSD	.6685666	--	--	--	--	--	--
#1	3790	--	--	--	--	--	--
#2	3826	--	--	--	--	--	--

Analysis Report QC Standard 08/03/04 01:00:11 AM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/03/04 00:55:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.351	.47851	.47204	.48497	.49998	25.455	.48364
SDev	.026	.00019	.00037	.00040	.00011	.003	.00035
%RSD	.10358	.04044	.07816	.08345	.02096	.01039	.07176
#1	25.333	.47864	.47230	.48469	.50005	25.456	.48388
#2	25.370	.47837	.47178	.48526	.49990	25.453	.48339
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47805	.47466	.52460	24.368	24.691	24.313	.49136
SDev	.00021	.00007	.00038	.011	.026	.003	.00015
%RSD	.04424	.01469	.07337	.04579	.10472	.01169	.03035
#1	.47820	.47461	.52433	24.360	24.673	24.315	.49126
#2	.47790	.47471	.52488	24.376	24.710	24.311	.49147
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46914	25.043	.50154	.48516	.49848	.49405	.49190
SDev	.00088	.147	.00013	.00168	.00139	.00037	.00135
%RSD	.18771	.58531	.02502	.34584	.27940	.07494	.27388
#1	.46976	24.939	.50145	.48635	.49750	.49378	.49285
#2	.46852	25.147	.50162	.48397	.49947	.49431	.49094
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49162	.47797	.49887	.49652	.50245	.49310	.46657
SDev	.00405	.00713	.00155	.00004	.00110	.00056	.00004
%RSD	.82416	1.4927	.30999	.00724	.21953	.11284	.00935
#1	.49448	.48301	.49777	.49650	.50167	.49350	.46654
#2	.48875	.47292	.49996	.49655	.50323	.49271	.46660
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.46804	.49360
SDev	.00064	.00143
%RSD	.13616	.28884
#1	.46849	.49460
#2	.46759	.49259
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3546	--	--	--	--	--	--
SDev	1.325825	--	--	--	--	--	--
%RSD	.0373897	--	--	--	--	--	--
#1	3547	--	--	--	--	--	--
#2	3545	--	--	--	--	--	--

Analysis Report Blank Sample 08/03/04 01:04:36 AM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/03/04 01:00:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03427	-.00242	-.00077	.00035	.00003	.03119	.00002
SDev	.01834	.00066	.00066	.00003	.00001	.00432	.00008
%RSD	53.526	27.046	85.615	8.0855	18.292	13.840	376.45
#1	.02130	-.00196	-.00030	.00033	.00003	.02814	.00008
#2	.04724	-.00289	-.00123	.00037	.00002	.03424	-.00004
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00040	.00006	-.00028	.03517	.03828	.01262	.00071
SDev	.00006	.00017	.00027	.00553	.01910	.00000	.00011
%RSD	14.937	295.34	96.235	15.716	49.891	.00434	14.926
#1	.00044	.00018	-.00047	.03126	.02478	.01262	.00064
#2	.00035	-.00006	-.00009	.03908	.05179	.01262	.00079
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	.08328	.00048	.00187	-.00088	.00004	-.00062
SDev	.00008	.05097	.00010	.00125	.00071	.00006	.00243
%RSD	78.788	61.199	19.890	66.745	80.623	162.75	393.76
#1	.00016	.04724	.00055	.00099	-.00038	.00008	-.00233
#2	.00005	.11932	.00042	.00276	-.00139	-.00001	.00110
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00203	-.00247	.00031	.00152	.00013	.00018	.00054
SDev	.00080	.00730	.00001	.00135	.00016	.00014	.00026
%RSD	39.133	296.03	2.6241	88.802	123.36	80.419	48.348
#1	-.00147	-.00763	.00031	.00057	.00002	.00028	.00036
#2	-.00260	.00270	.00030	.00248	.00024	.00008	.00073
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00094	-.00018
SDev	.00031	.00025
%RSD	33.076	141.52
#1	.00072	-.00035
#2	.00115	.00000
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3609	--	--	--	--	--	--
SDev	17.28890	--	--	--	--	--	--
%RSD	.4790794	--	--	--	--	--	--
#1	3621	--	--	--	--	--	--
#2	3597	--	--	--	--	--	--

Analysis Report Blank Sample 08/03/04 01:08:59 AM page 1

Method: TRACE2 Sample Name: CRI Operator: SW
Run Time: 08/03/04 01:04:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.41928	.01644	.00598	.37820	.01058	4.9598	.00966
SDev	.00640	.00048	.00054	.00038	.00001	.0012	.00005
%RSD	1.5264	2.9275	8.9901	.09942	.09023	.02427	.48434
#1	.41476	.01610	.00560	.37847	.01057	4.9590	.00969
#2	.42381	.01678	.00636	.37794	.01059	4.9607	.00963
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.60000	.03000		.60000	.01500	7.5000	.01500
Low	.20000	.01000		.20000	.00500	2.5000	.00500

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04766	.01985	.05199	.21532	4.9879	4.8655	.03104
SDev	.00016	.00030	.00052	.01636	.0100	.0097	.00007
%RSD	.32929	1.5101	1.0108	7.5990	.19957	.19885	.23009
#1	.04777	.02006	.05236	.20375	4.9808	4.8587	.03109
#2	.04755	.01963	.05161	.22689	4.9949	4.8724	.03099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.07500	.03000	.07500	.30000	7.5000	7.5000	.04500
Low	.02500	.01000	.02500	.10000	2.5000	2.5000	.01500

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00012	4.8046	.08053	.00633	.00608	.00616	.01226
SDev	.00027	.0445	.00060	.00114	.00168	.00150	.00140
%RSD	216.25	.92592	.73828	18.060	27.705	24.407	11.382
#1	.00007	4.8361	.08095	.00713	.00727	.00722	.01127
#2	-.00031	4.7732	.08011	.00552	.00489	.00510	.01325
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		7.5000	.12000			.00900	.01800
Low		2.5000	.04000			.00300	.00600

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.11680	.01100	.01289	.00098	.01928	.04962	.03834
SDev	.00140	.00444	.00013	.00106	.00066	.00002	.00057
%RSD	1.1977	40.399	.99157	107.87	3.4448	.04709	1.4847
#1	.11779	.00786	.01298	.00023	.01881	.04961	.03874
#2	.11581	.01414	.01280	.00173	.01975	.04964	.03794
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass
High	.18000				.03000	.07500	.06000
Low	.06000				.01000	.02500	.02000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00185	.01945
SDev	.00070	.00026
%RSD	37.917	1.3541
#1	-.00235	.01926
#2	-.00136	.01963
Errors	NOCHECK	LC Pass
High		.03000
Low		.01000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3559	--	--	--	--	--	--
SDev	1.696987	--	--	--	--	--	--
%RSD	.0476789	--	--	--	--	--	--
#1	3560	--	--	--	--	--	--
#2	3558	--	--	--	--	--	--

Analysis Report QC Standard 08/03/04 01:13:22 AM page 1

Method: TRACE2 Sample Name: ICSA Operator: SW
Run Time: 08/03/04 01:09:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	491.65	-.00034	.00698	.00169	.00101	441.65	.00085
SDev	.13	.00056	.00048	.00006	.00002	.22	.00011
%RSD	.02732	164.86	6.8834	3.3195	1.5443	.05017	12.847
#1	491.56	.00006	.00732	.00173	.00102	441.81	.00077
#2	491.75	-.00073	.00664	.00165	.00100	441.49	.00093
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.00					500.00	
Range	100.00					100.00	

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	-.00064	.00599	182.97	.04301	527.95	.00239
SDev	.00013	.00015	.00008	.27	.02856	.80	.00003
%RSD	28.985	23.535	1.3132	.14756	66.395	.15238	1.1942
#1	.00053	-.00054	.00594	183.16	.06321	528.52	.00241
#2	.00035	-.00075	.00605	182.78	.02282	527.39	.00237
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				40.000		100.00	

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00067	-.06175	.00206	-.02722	.01974	.00410	-.00266
SDev	.00076	.06207	.00021	.00406	.00174	.00019	.00215
%RSD	113.36	100.51	10.174	14.917	8.7962	4.7275	80.633
#1	.00120	-.10565	.00220	-.02435	.01851	.00424	-.00418
#2	.00013	-.01786	.00191	-.03009	.02097	.00397	-.00115
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00266	.00487	-.00643	.00093	-.01623	.00021	.00032
SDev	.00095	.00374	.00509	.00001	.00469	.00064	.00064
%RSD	35.837	76.690	79.139	.62123	28.915	298.30	201.87
#1	-.00199	.00752	-.01003	.00092	-.01291	.00067	-.00014
#2	-.00334	.00223	-.00283	.00093	-.01955	-.00024	.00078
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00415	-.00013
SDev	.00040	.00011
%RSD	9.6664	85.988
#1	.00387	-.00005
#2	.00443	-.00021
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3352	--	--	--	--	--	--
SDev	13.73541	--	--	--	--	--	--
%RSD	.4098028	--	--	--	--	--	--
#1	3342	--	--	--	--	--	--
#2	3361	--	--	--	--	--	--

Analysis Report QC Standard 08/03/04 01:17:46 AM page 1

Method: TRACE2 Sample Name: ICSAB Operator: SW
Run Time: 08/03/04 01:13:26
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	479.27	.09653	.00542	.46995	.46887	431.32	.86039
SDev	4.80	.00458	.00194	.00393	.00387	3.13	.00709
%RSD	1.0008	4.7485	35.738	.83666	.82572	.72495	.82439
#1	482.67	.09329	.00405	.47273	.47161	433.53	.86540
#2	475.88	.09977	.00679	.46717	.46613	429.11	.85537
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	.10000		.50000	.50000	500.00	1.0000
Range	100.00	.02000		.10000	.10000	100.00	.20000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43270	.44077	.51134	88.505	.02535	512.75	.46240
SDev	.00337	.00348	.00450	.850	.00920	4.85	.00395
%RSD	.77821	.78999	.88049	.95985	36.317	.94523	.85346
#1	.43508	.44324	.51453	89.106	.01884	516.18	.46519
#2	.43032	.43831	.50816	87.905	.03185	509.32	.45961
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	100.00		500.00	.50000
Range	.10000	.10000	.10000	20.000		100.00	.10000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00650	.01687	.87589	.02693	.05692	.04694	.04338
SDev	.00086	.13239	.00641	.00633	.00275	.00027	.00005
%RSD	13.200	784.83	.73238	23.492	4.8372	.57608	.11531
#1	.00590	-.07675	.88043	.03141	.05498	.04713	.04334
#2	.00711	.11048	.87136	.02246	.05887	.04674	.04342
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.0000			.05000	.05000
Range			.20000			.01000	.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.57116	.05868	.03573	.00102	.08377	.46608	.81781
SDev	.00132	.00689	.00352	.00002	.00170	.00341	.00550
%RSD	.23100	11.748	9.8568	1.9223	2.0354	.73073	.67266
#1	.57210	.06355	.03324	.00103	.08497	.46849	.82170
#2	.57023	.05380	.03822	.00100	.08256	.46367	.81392
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.60000				.10000	.50000	1.0000
Range	.12000				.02000	.10000	.20000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00217	.19883
SDev	.00211	.00163
%RSD	97.301	.81784
#1	.00366	.19998
#2	.00068	.19768
Errors	NOCHECK	QC Pass
Value		.20000
Range		.04000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3452	--	--	--	--	--	--
SDev	14.58408	--	--	--	--	--	--
%RSD	.4224559	--	--	--	--	--	--
#1	3442	--	--	--	--	--	--
#2	3463	--	--	--	--	--	--

Analysis Report QC Standard 08/03/04 01:22:11 AM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/03/04 01:17:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.578	.46437	.45816	.46741	.48299	24.643	.46542
SDev	.041	.00064	.00104	.00098	.00044	.014	.00017
%RSD	.16707	.13729	.22794	.20894	.09000	.05516	.03657
#1	24.549	.46482	.45742	.46672	.48268	24.633	.46554
#2	24.607	.46392	.45890	.46810	.48329	24.652	.46530
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46295	.45955	.50664	23.606	23.992	23.477	.47607
SDev	.00080	.00062	.00081	.034	.056	.015	.00036
%RSD	.17332	.13556	.16037	.14245	.23306	.06478	.07658
#1	.46238	.45911	.50607	23.582	23.953	23.467	.47581
#2	.46352	.45999	.50722	23.629	24.032	23.488	.47633
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45310	24.283	.48188	.46990	.47875	.47580	.47433
SDev	.00173	.016	.00052	.00109	.00049	.00069	.00539
%RSD	.38245	.06592	.10752	.23136	.10204	.14457	1.1352
#1	.45188	24.294	.48151	.46913	.47840	.47532	.47814
#2	.45433	24.271	.48224	.47067	.47910	.47629	.47052
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47624	.46987	.47657	.48101	.48399	.47633	.45029
SDev	.00175	.00595	.00510	.00137	.00269	.00131	.00004
%RSD	.36825	1.2663	1.0705	.28423	.55524	.27485	.00886
#1	.47500	.47408	.48018	.48005	.48209	.47540	.45026
#2	.47748	.46567	.47296	.48198	.48589	.47725	.45032
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.45280	.47698
SDev	.00382	.00148
%RSD	.84439	.30975
#1	.45010	.47593
#2	.45551	.47802
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3629	--	--	--	--	--	--
SDev	4.454807	--	--	--	--	--	--
%RSD	.1227651	--	--	--	--	--	--
#1	3632	--	--	--	--	--	--
#2	3626	--	--	--	--	--	--

Analysis Report Blank Sample 08/03/04 01:26:37 AM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/03/04 01:22:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07316	-.00252	-.00063	.00024	.00005	.06396	.00005
SDev	.00216	.00059	.00087	.00009	.00001	.00216	.00008
%RSD	2.9546	23.220	137.79	37.519	24.472	3.3840	154.07
#1	.07163	-.00211	-.00002	.00017	.00006	.06549	.00011
#2	.07468	-.00294	-.00124	.00030	.00004	.06243	-.00000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	-.00007	-.00129	.02744	.02254	.06294	.00043
SDev	.00038	.00024	.00025	.00198	.02559	.00072	.00003
%RSD	412.52	322.23	19.238	7.2333	113.56	1.1461	7.8031
#1	-.00017	-.00024	-.00147	.02884	.00444	.06243	.00046
#2	.00036	.00010	-.00111	.02604	.04063	.06345	.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00037	-.05659	.00056	.00109	-.00098	-.00029	-.00083
SDev	.00027	.05279	.00022	.00160	.00104	.00123	.00020
%RSD	71.335	93.282	38.539	146.58	106.45	422.51	24.654
#1	.00019	-.09391	.00041	-.00004	-.00171	-.00116	-.00097
#2	.00056	-.01926	.00071	.00222	-.00024	.00058	-.00068
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00059	-.00331	.00042	.00044	-.00387	-.00008	.00034
SDev	.00198	.00184	.00123	.00052	.00175	.00078	.00025
%RSD	335.96	55.559	293.30	118.29	45.195	938.99	72.965
#1	-.00199	-.00201	-.00045	.00007	-.00511	.00047	.00017
#2	.00081	-.00462	.00128	.00082	-.00264	-.00064	.00052
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00032	-.00002
SDev	.00073	.00015
%RSD	229.28	746.80
#1	-.00020	.00009
#2	.00084	-.00013
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3685	--	--	--	--	--	--
SDev	3.606141	--	--	--	--	--	--
%RSD	.0978587	--	--	--	--	--	--
#1	3683	--	--	--	--	--	--
#2	3688	--	--	--	--	--	--

Analysis Report 08/17/04 05:19:15 PM page 1

STL Buffalo Analyst: BKL Date: 8/17/04 Secondary Review (SD) Date: 8/18/04
Spikes: MDL-6-26, MDL-7-26, 4-106-E, 4-106-F
Pippettes: 8/12/04-1,8/12/04-2,8/12/04-3,8/12/04-4,8/12/04-5,8/12/04-6,8/12/04-7
,
8/12/04-8,8/12/04-9,8/12/04-10,8/12/04-11

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD BLK 4-019-A	B081704	TRACE2	08/17/04	11:48		X	IR
2	STD 1 4-021-C	B081704	TRACE2	08/17/04	11:52		X	IR
3	STD 2 D	B081704	TRACE2	08/17/04	11:57		X	IR
4	STD 3 B	B081704	TRACE2	08/17/04	12:01		X	IR
5	STD 3 VER A	B081704	TRACE2	08/17/04	12:05	SW	B	CONC
6	ICV E	B081704	TRACE2	08/17/04	12:10	SW	Q	CONC
7	ICB 4-019-A	B081704	TRACE2	08/17/04	12:14	SW	B	CONC
8	CRI 4-016-G	B081704	TRACE2	08/17/04	12:19	SW	B	CONC
9	ICSA 4-014-B	B081704	TRACE2	08/17/04	12:23	SW	Q	CONC
10	ICSAB C	B081704	TRACE2	08/17/04	12:27	SW	Q	CONC
11	CCV 4-021-F	B081704	TRACE2	08/17/04	12:33	SW	Q	CONC
12	CCB 4-019-A	B081704	TRACE2	08/17/04	12:37	SW	B	CONC
13	AD441466/(1:5) 7505	B081704	TRACE2	08/17/04	12:42	SW	S	CONC
14	AD441466/L (1:25)	B081704	TRACE2	08/17/04	12:46	SW	S	CONC
15	AD441466/PS (1:5)	B081704	TRACE2	08/17/04	12:51	SW	S	CONC
16	AD441467	B081704	TRACE2	08/17/04	12:55	SW	S	CONC
17	AD441470	B081704	TRACE2	08/17/04	12:59	SW	S	CONC
18	AD439365/PB 6905	B081704	TRACE2	08/17/04	13:04	SW	S	CONC
19	AD442108/PB	B081704	TRACE2	08/17/04	13:08	SW	S	CONC
20	CRI	B081704	TRACE2	08/17/04	13:14	SW	B	CONC
21	ICSA	B081704	TRACE2	08/17/04	13:18	SW	Q	CONC
22	ICSAB	B081704	TRACE2	08/17/04	13:23	SW	Q	CONC
23	CCV	B081704	TRACE2	08/17/04	13:27	SW	Q	CONC
24	CCB	B081704	TRACE2	08/17/04	13:31	SW	B	CONC
25	AD442107/FB	B081704	TRACE2	08/17/04	13:36	SW	S	CONC
26	AD442085/(1:5) 7698	B081704	TRACE2	08/17/04	13:40	SW	S	CONC
27	AD442085/L (1:25)	B081704	TRACE2	08/17/04	13:45	SW	S	CONC
28	AD442085/PS (1:5)	B081704	TRACE2	08/17/04	13:49	SW	S	CONC
29	AD442087/(1:5)	B081704	TRACE2	08/17/04	13:53	SW	S	CONC
30	AD442092/(1:5)	B081704	TRACE2	08/17/04	13:58	SW	S	CONC
31	AD442099/(1:10) 7747	B081704	TRACE2	08/17/04	14:02	SW	S	CONC
32	AD442094/(1:50) 7743	B081704	TRACE2	08/17/04	14:07	SW	S	CONC
33	AD442095/(1:50)	B081704	TRACE2	08/17/04	14:11	SW	S	CONC
34	AD442096/(1:50)	B081704	TRACE2	08/17/04	14:15	SW	S	CONC
35	CCV	B081704	TRACE2	08/17/04	14:21	SW	Q	CONC
36	CCB	B081704	TRACE2	08/17/04	14:25	SW	B	CONC
37	AD442097/(1:50)	B081704	TRACE2	08/17/04	14:30	SW	S	CONC
38	AD442098/(1:10)	B081704	TRACE2	08/17/04	14:34	SW	S	CONC
39	AD442142/(1:5) 7645	B081704	TRACE2	08/17/04	14:39	SW	S	CONC
40	AD442145/(1:5)	B081704	TRACE2	08/17/04	14:43	SW	S	CONC
41	AD442126/(1:5) 7797	B081704	TRACE2	08/17/04	14:47	SW	S	CONC
42	AD442120/(1:10) 7712	B081704	TRACE2	08/17/04	14:52	SW	S	CONC
43	AD442122/(1:10)	B081704	TRACE2	08/17/04	14:56	SW	S	CONC
44	AD442136/(1:10) 7594	B081704	TRACE2	08/17/04	15:01	SW	S	CONC
45	CCV	B081704	TRACE2	08/17/04	15:06	SW	Q	CONC
46	CCB	B081704	TRACE2	08/17/04	15:13	SW	B	CONC

Analysis Report Summary 08/17/04 05:19:00 PM page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	AD441466/(1:5)	B081704	TRACE2	08/17/04	12:42	SW	S	CONC
2	AD441466/L (1:25)	B081704	TRACE2	08/17/04	12:46	SW	S	CONC
3	AD441466/PS (1:5)	B081704	TRACE2	08/17/04	12:51	SW	S	CONC
4	AD441467	B081704	TRACE2	08/17/04	12:55	SW	S	CONC
5	AD441470	B081704	TRACE2	08/17/04	12:59	SW	S	CONC
6	AD439365/PB	B081704	TRACE2	08/17/04	13:04	SW	S	CONC
7	AD442108/PB	B081704	TRACE2	08/17/04	13:08	SW	S	CONC
8	AD442107/FB	B081704	TRACE2	08/17/04	13:36	SW	S	CONC
9	AD442085/(1:5)	B081704	TRACE2	08/17/04	13:40	SW	S	CONC
10	AD442085/L (1:25)	B081704	TRACE2	08/17/04	13:45	SW	S	CONC
11	AD442085/PS (1:5)	B081704	TRACE2	08/17/04	13:49	SW	S	CONC
12	AD442087/(1:5)	B081704	TRACE2	08/17/04	13:53	SW	S	CONC
13	AD442092/(1:5)	B081704	TRACE2	08/17/04	13:58	SW	S	CONC
14	AD442099/(1:10)	B081704	TRACE2	08/17/04	14:02	SW	S	CONC
15	AD442094/(1:50)	B081704	TRACE2	08/17/04	14:07	SW	S	CONC
16	AD442095/(1:50)	B081704	TRACE2	08/17/04	14:11	SW	S	CONC
17	AD442096/(1:50)	B081704	TRACE2	08/17/04	14:15	SW	S	CONC
18	AD442097/(1:50)	B081704	TRACE2	08/17/04	14:30	SW	S	CONC
19	AD442098/(1:10)	B081704	TRACE2	08/17/04	14:34	SW	S	CONC
20	AD442142/(1:5)	B081704	TRACE2	08/17/04	14:39	SW	S	CONC
21	AD442145/(1:5)	B081704	TRACE2	08/17/04	14:43	SW	S	CONC
22	AD442126/(1:5)	B081704	TRACE2	08/17/04	14:47	SW	S	CONC
23	AD442120/(1:10)	B081704	TRACE2	08/17/04	14:52	SW	S	CONC
24	AD442122/(1:10)	B081704	TRACE2	08/17/04	14:56	SW	S	CONC
25	AD442136/(1:10)	B081704	TRACE2	08/17/04	15:01	SW	S	CONC

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
1	AD441466/(1:5)	.01901	-.00209	.03167	.01480	-.00038	24.535
2	AD441466/L (1:25)	-.00818	-.00039	.00491	.00284	-.00047	5.4277
3	AD441466/PS (1:5)	9.0873	.18390	.21540	.20444	.18367	32.434
4	AD441467	3.4457	-.00002	.02463	.03379	-.00022	31.130
5	AD441470	.30536	-.00193	.02388	.02902	-.00043	28.542
6	AD439365/PB	-.00557	-.00324	.00011	-.00037	-.00053	.03490
7	AD442108/PB	-.00575	-.00257	-.00098	-.00044	-.00052	-.00845
8	AD442107/FB	9.8489	.20316	.19231	.20426	.19933	10.046
9	AD442085/(1:5)	.01716	-.00086	.05625	.01379	-.00031	83.353
10	AD442085/L (1:25)	.00497	.00070	.00992	.00249	-.00043	17.354
11	AD442085/PS (1:5)	9.8832	.20586	.25540	.22185	.19862	91.104
12	AD442087/(1:5)	.01058	.00063	.15536	.00290	-.00032	92.768
13	AD442092/(1:5)	.00533	-.00173	.03917	.00280	-.00032	99.006
14	AD442099/(1:10)	.04905	.00044	.29994	.01819	-.00042	28.158
15	AD442094/(1:50)	.01928	.00016	.16672	.00805	-.00050	1.4925
16	AD442095/(1:50)	.00781	.00077	.15599	.00787	-.00049	1.4588
17	AD442096/(1:50)	-.00120	-.00056	.18767	.00697	-.00043	1.3340
18	AD442097/(1:50)	.00551	.00067	.15135	.00823	-.00041	1.4967
19	AD442098/(1:10)	.00010	.00320	.28114	.05591	-.00037	25.638
20	AD442142/(1:5)	-.00243	-.00240	.04311	.01711	-.00043	6.9690
21	AD442145/(1:5)	-.00084	-.00116	.36027	.07863	-.00047	18.635
22	AD442126/(1:5)	.02255	-.00140	.04631	.01515	-.00046	30.008
23	AD442120/(1:10)	2.1998	-.00034	.00363	.00280	-.00048	3.6433
24	AD442122/(1:10)	3.2375	.00022	.00413	.00249	-.00044	3.6031
25	AD442136/(1:10)	.00107	-.00129	.03178	.02527	-.00049	3.80575

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
1	AD441466/(1:5)	-.00046	-.00053	-.00057	-.00156	-.00006	1.3813
2	AD441466/L (1:25)	-.00049	-.00079	-.00066	-.00279	-.01408	.27290
3	AD441466/PS (1:5)	.18135	.17882	.17715	.19248	.35184	10.905
4	AD441467	-.00043	.00164	.00494	.00586	4.9441	1.3356
5	AD441470	-.00044	-.00002	.00032	-.00104	.44922	.83039
6	AD439365/PB	-.00047	-.00072	-.00078	-.00292	-.00783	.01001
7	AD442108/PB	-.00050	-.00069	-.00087	-.00268	-.01594	-.01956
8	AD442107/FB	.19946	.20101	.19467	.20313	.40541	10.168
9	AD442085/(1:5)	-.00040	-.00048	-.00044	-.00177	.81966	12.811
10	AD442085/L (1:25)	-.00045	-.00078	-.00059	-.00263	.15924	2.6074
11	AD442085/PS (1:5)	.19530	.19364	.19228	.20867	1.1631	22.533
12	AD442087/(1:5)	-.00035	-.00024	-.00036	-.00139	.02805	.97770
13	AD442092/(1:5)	-.00036	-.00089	-.00081	-.00018	.18391	.45874
14	AD442099/(1:10)	-.00051	.00008	.00182	-.00170	.07536	18.139
15	AD442094/(1:50)	-.00053	-.00052	.00077	-.00292	.09799	9.1330
16	AD442095/(1:50)	-.00054	-.00063	.00040	-.00290	.07757	9.1089
17	AD442096/(1:50)	-.00049	.00000	.00071	-.00150	.02122	10.547
18	AD442097/(1:50)	-.00037	-.00048	.00025	-.00296	.07440	9.1392
19	AD442098/(1:10)	-.00040	-.00052	.00177	-.00102	2.1535	13.810
20	AD442142/(1:5)	-.00054	-.00049	-.00075	-.00223	.27628	.54795
21	AD442145/(1:5)	-.00048	-.00035	-.00135	-.00285	11.334	10.752
22	AD442126/(1:5)	-.00048	-.00056	-.00064	-.00356	-.00043	4.1354
23	AD442120/(1:10)	-.00039	-.00023	.01618	.00568	23.465	.96479
24	AD442122/(1:10)	-.00026	-.00004	.01438	.00505	23.165	1.1377

Analysis Report Averages 08/17/04 05:19:00 PM page 3

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
25	AD442136/(1:10)	-.00063	-.00041	-.00125	-.00257	.33403	1.9524

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
1	AD441466/(1:5)	7.0375	.01457	-.00111	17.092	-.00038	-.00135
2	AD441466/L (1:25)	1.5109	.00280	-.00049	3.4204	-.00063	-.00156
3	AD441466/PS (1:5)	15.339	.19474	.17902	25.794	.18813	.17957
4	AD441467	7.6840	.20900	.00112	22.204	.00494	.00537
5	AD441470	13.522	.02183	.00064	34.825	.00065	.00039
6	AD439365/PB	-.00739	-.00013	-.00039	-.17706	-.00104	.00017
7	AD442108/PB	-.01657	-.00038	-.00069	-.15226	-.00070	-.00127
8	AD442107/FB	9.8127	.20311	.20027	9.6489	.19750	.20019
9	AD442085/(1:5)	20.470	.21973	-.00008	5.1451	.00011	.00047
10	AD442085/L (1:25)	4.1443	.04412	-.00012	.89280	-.00057	-.00116
11	AD442085/PS (1:5)	29.235	.40626	.19637	15.218	.20186	.19130
12	AD442087/(1:5)	18.698	.02494	-.00002	14.047	-.00032	-.00184
13	AD442092/(1:5)	8.1536	.00436	-.00096	2.7339	-.00088	-.00111
14	AD442099/(1:10)	16.960	.05099	-.00072	49.734	.00474	-.00084
15	AD442094/(1:50)	4.6628	.00064	-.00097	25.325	.00115	-.00143
16	AD442095/(1:50)	4.6354	.00054	-.00065	25.419	.00137	.00026
17	AD442096/(1:50)	2.6512	.00125	-.00101	34.381	.00411	-.00031
18	AD442097/(1:50)	4.6979	.00072	-.00054	25.611	.00125	-.00080
19	AD442098/(1:10)	17.569	.00625	-.00069	41.363	.00524	-.00235
20	AD442142/(1:5)	2.5457	.89894	.00043	20.622	.00021	-.00146
21	AD442145/(1:5)	6.8290	2.4062	-.00068	65.204	.00381	-.00046
22	AD442126/(1:5)	.09300	.00103	.00044	61.092	-.00041	-.00012
23	AD442120/(1:10)	.80686	.15214	.00128	1.8572	.02275	.00394
24	AD442122/(1:10)	.83305	.13898	.00137	2.0104	.00586	.00099
25	AD442136/(1:10)	1.2141	2.1656	-.00114	11.043	-.00058	-.00041

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
1	AD441466/(1:5)	-.00138	-.00137	.00010	-.00022	.00454	-.00211
2	AD441466/L (1:25)	-.00104	-.00122	-.00314	-.00222	-.00372	-.00285
3	AD441466/PS (1:5)	.18520	.18332	.18520	.18224	.18641	.18460
4	AD441467	.00516	.00523	.00303	-.00180	.00490	.00210
5	AD441470	.00020	.00026	.00047	-.00187	.00280	-.00068
6	AD439365/PB	-.00140	-.00087	.00055	-.00113	.00266	-.00049
7	AD442108/PB	.00095	.00021	-.00126	-.00052	-.00167	-.00106
8	AD442107/FB	.20066	.20050	.20585	.20318	.21085	.20335
9	AD442085/(1:5)	-.00153	-.00086	.00130	-.00272	.00178	.00106
10	AD442085/L (1:25)	-.00018	-.00051	-.00119	-.00075	.00035	-.00196
11	AD442085/PS (1:5)	.19997	.19709	.19938	.20801	.20057	.19879
12	AD442087/(1:5)	-.00074	-.00111	.00165	-.00299	.00432	.00031
13	AD442092/(1:5)	-.00064	-.00080	-.00114	-.00286	.00107	-.00225
14	AD442099/(1:10)	-.00014	-.00037	-.00263	-.00484	-.00166	-.00312
15	AD442094/(1:50)	.00055	-.00010	-.00179	-.00395	-.00139	-.00199
16	AD442095/(1:50)	-.00125	-.00074	.00014	-.00305	.00081	-.00018
17	AD442096/(1:50)	-.00070	-.00057	-.00008	-.00137	-.00001	-.00011
18	AD442097/(1:50)	-.00155	-.00130	-.00112	-.00158	.00072	-.00204
19	AD442098/(1:10)	-.00039	-.00104	-.00097	-.00262	-.00399	.00053
20	AD442142/(1:5)	-.00092	-.00110	-.00038	.00267	-.00101	-.00007

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
21	AD442145/(1:5)	-.00071	-.00063	.00241	-.00168	.00841	-.00058
22	AD442126/(1:5)	-.00117	-.00082	-.00059	-.00125	.00230	-.00204
23	AD442120/(1:10)	.00411	.00405	-.00124	-.00191	.00112	-.00243
24	AD442122/(1:10)	.00158	.00138	-.00012	-.00381	.00006	-.00021
25	AD442136/(1:10)	-.00081	-.00067	.00158	-.00081	.00826	-.00175

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
1	AD441466/(1:5)	-.00061	-.00177	-.00080	.00043	.00007	-.00073
2	AD441466/L (1:25)	-.00089	-.00117	-.00059	-.00012	-.00004	-.00084
3	AD441466/PS (1:5)	.19246	.19114	.17909	.17916	.17244	.04499
4	AD441467	.05740	-.00264	.00506	.03707	.00153	-.00052
5	AD441470	.00899	-.00181	.00032	.00282	.00257	-.00068
6	AD439365/PB	-.00029	-.00237	-.00067	.00076	H.05093	-.00048
7	AD442108/PB	-.00069	-.00105	-.00059	.00140	.00111	-.00067
8	AD442107/FB	.20041	.20052	.19975	.19789	.19660	.04517
9	AD442085/(1:5)	-.00049	.00049	-.00073	.00107	-.00010	-.00055
10	AD442085/L (1:25)	-.00055	-.00279	-.00042	.00014	.00119	-.00036
11	AD442085/PS (1:5)	.21003	.20811	.19672	.19248	.18658	.04907
12	AD442087/(1:5)	-.00069	-.00095	-.00024	.00027	.00038	-.00022
13	AD442092/(1:5)	-.00072	-.00388	-.00049	.00169	-.00118	-.00024
14	AD442099/(1:10)	.00278	.00008	.00099	.00397	.00038	-.00079
15	AD442094/(1:50)	.00182	-.00128	.00020	.00060	-.00141	-.00094
16	AD442095/(1:50)	.00176	-.00123	.00008	.00006	-.00162	-.00105
17	AD442096/(1:50)	.00052	-.00353	-.00045	.00094	.00171	-.00053
18	AD442097/(1:50)	.00206	-.00009	.00063	.00029	-.00065	-.00056
19	AD442098/(1:10)	.00118	-.00066	.00024	.00396	-.00035	-.00048
20	AD442142/(1:5)	-.00042	-.00001	-.00042	.00178	.00056	.00002
21	AD442145/(1:5)	.00002	-.00611	-.00021	.00365	.00160	-.00050
22	AD442126/(1:5)	-.00048	.00078	-.00029	.00163	.00087	-.00043
23	AD442120/(1:10)	.00144	-.00083	-.00018	4.0873	.00100	-.00060
24	AD442122/(1:10)	.00178	-.00249	.00001	2.2361	-.00003	-.00080
25	AD442136/(1:10)	-.00007	-.00334	-.00043	.00182	-.00092	-.00041

Standardization Rpt. 08/17/04 11:52:35 AM page 1

Method: TRACE2 Standard: STD BLK
Run Time: 08/17/04 11:48:15

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	.09201	.01223	.07685	.02778	.26724	.04677	.06398
SDev	.00153	.00648	.01611	.00579	.00281	.00266	.01953
%RSD	1.6630	52.951	20.967	20.853	1.0505	5.6844	30.517
#1	.09093	.01681	.06546	.02369	.26922	.04865	.05018
#2	.09309	.00765	.08825	.03188	.26525	.04489	.07779

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	.00153	.02281	.08551	.00675	-.04970	.05887	.00675
SDev	.00216	.00489	.00026	.00055	.00824	.00463	.00017
%RSD	141.42	21.425	.30673	8.1006	16.586	7.8631	2.5724
#1	.00000	.01936	.08533	.00637	-.05553	.06215	.00688
#2	.00306	.02627	.08570	.00714	-.04387	.05560	.00663

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	.04105	.01555	-.02433	.01529	.02168	.01135	-.05161
SDev	.02275	.00722	.03116	.00287	.02741	.01929	.00085
%RSD	55.420	46.453	128.08	18.762	126.47	169.98	1.6500
#1	.02496	.01044	-.04636	.01732	.00229	-.00229	-.05221
#2	.05713	.02066	-.00230	.01326	.04106	.02500	-.05101

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	.07097	.15714	-.01115	.00268	.00255	-.01679	.00969
SDev	.02498	.01944	.00172	.00090	.00072	.05766	.00253
%RSD	35.202	12.368	15.449	33.762	28.376	343.31	26.144
#1	.08864	.14340	-.00993	.00204	.00204	-.05756	.00790
#2	.05331	.17088	-.01237	.00332	.00306	.02397	.01148

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3923	--	--	--	--	--	--
SDev	3.765309	--	--	--	--	--	--
%RSD	.0959696	--	--	--	--	--	--
#1	3926	--	--	--	--	--	--
#2	3921	--	--	--	--	--	--

Standardization Rpt. 08/17/04 11:56:59 AM page 1

Method: TRACE2 Standard: STD 1
Run Time: 08/17/04 11:52:39

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	7.8766	1.2033	1.6607	5.1944	7.9557	5.4838	13.742
SDev	.0060	.0338	.0307	.0048	.0094	.0085	.031
%RSD	.07654	2.8121	1.8506	.09254	.11856	.15413	.22379
#1	7.8809	1.1794	1.6825	5.1978	7.9624	5.4897	13.764
#2	7.8724	1.2272	1.6390	5.1910	7.9490	5.4778	13.720

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	.72388	1.8516	.83201	1.6287	5.6929	11.878	1.2511
SDev	.00199	.0015	.00437	.0009	.0125	.021	.0036
%RSD	.27490	.08227	.52527	.05449	.21917	.17891	.28665
#1	.72529	1.8505	.83511	1.6281	5.7017	11.893	1.2537
#2	.72248	1.8527	.82892	1.6293	5.6841	11.863	1.2486

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	2.0787	.24967	5.0746	1.4891	1.6878	.66458	.52434
SDev	.0023	.00771	.0172	.0369	.0178	.01310	.01836
%RSD	.11213	3.0892	.33876	2.4768	1.0549	1.9706	3.5017
#1	2.0770	.25513	5.0867	1.5152	1.7003	.65531	.53733
#2	2.0803	.24422	5.0624	1.4630	1.6752	.67384	.51136

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	1.3411	6.3380	.58997	.29583	.34377	2.7894	1.5203
SDev	.0388	.0172	.02118	.00095	.00069	.0088	.0011
%RSD	2.8924	.27129	3.5900	.32208	.20017	.31702	.07264
#1	1.3137	6.3501	.57500	.29650	.34426	2.7832	1.5195
#2	1.3686	6.3258	.60495	.29515	.34328	2.7957	1.5211

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3921	--	--	--	--	--	--
SDev	7.848954	--	--	--	--	--	--
%RSD	.2001659	--	--	--	--	--	--
#1	3916	--	--	--	--	--	--
#2	3927	--	--	--	--	--	--

Standardization Rpt. 08/17/04 12:01:24 PM page 1

Method: TRACE2 Standard: STD 2
Run Time: 08/17/04 11:57:03

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	40.647	6.2375	8.4743	26.480	40.218	27.569	68.704
SDev	.123	.0092	.0284	.099	.167	.110	.298
%RSD	.30304	.14683	.33519	.37371	.41541	.39945	.43430
#1	40.734	6.2440	8.4944	26.550	40.336	27.647	68.915
#2	40.560	6.2310	8.4542	26.410	40.099	27.491	68.493

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	3.8196	9.7234	3.9407	8.6258	29.279	62.719	6.6341
SDev	.0143	.0358	.0174	.0178	.066	.226	.0208
%RSD	.37441	.36785	.44189	.20598	.22380	.35974	.31419
#1	3.8297	9.7487	3.9531	8.6384	29.325	62.879	6.6488
#2	3.8095	9.6981	3.9284	8.6132	29.233	62.559	6.6194

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	10.751	1.2587	25.493	7.5900	8.5815	3.4525	2.9653
SDev	.024	.0006	.108	.0743	.0220	.0258	.0512
%RSD	.22749	.04495	.42399	.97892	.25662	.74661	1.7277
#1	10.768	1.2583	25.569	7.6425	8.5971	3.4707	2.9291
#2	10.734	1.2591	25.417	7.5375	8.5659	3.4342	3.0015

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	6.5962	31.808	3.0509	1.5287	1.7737	14.987	7.7510
SDev	.0270	.118	.0285	.0048	.0050	.080	.0302
%RSD	.40940	.36975	.93305	.31241	.27910	.53140	.38936
#1	6.6153	31.891	3.0710	1.5321	1.7772	15.043	7.7723
#2	6.5771	31.725	3.0308	1.5253	1.7702	14.931	7.7296

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3735	--	--	--	--	--	--
SDev	8.432282	--	--	--	--	--	--
%RSD	.2257345	--	--	--	--	--	--
#1	3730	--	--	--	--	--	--
#2	3741	--	--	--	--	--	--

Standardization Rpt. 08/17/04 12:05:48 PM page 1

Method: TRACE2 Standard: STD 3
Run Time: 08/17/04 12:01:28

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	79.587	12.173	16.523	52.211	77.587	53.725	134.15
SDev	.160	.041	.026	.052	.206	.022	.10
%RSD	.20085	.33493	.15859	.10024	.26531	.04183	.07645
#1	79.700	12.201	16.541	52.248	77.733	53.741	134.23
#2	79.474	12.144	16.504	52.174	77.442	53.709	134.08

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	7.2984	18.610	7.6790	16.475	55.897	122.21	12.709
SDev	.0329	.071	.0035	.073	.093	.43	.063
%RSD	.45023	.37935	.04582	.44147	.16724	.35419	.49491
#1	7.3216	18.660	7.6765	16.526	55.963	122.52	12.754
#2	7.2751	18.561	7.6815	16.423	55.831	121.90	12.665

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	20.681	2.5259	49.992	14.506	16.619	6.7707	5.7532
SDev	.080	.0003	.051	.058	.025	.0092	.0196
%RSD	.38719	.01213	.10182	.39802	.15078	.13549	.33981
#1	20.737	2.5256	49.956	14.547	16.637	6.7642	5.7393
#2	20.624	2.5261	50.028	14.465	16.601	6.7772	5.7670

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	12.800	62.380	5.9439	2.9643	3.3661	28.659	15.281
SDev	.008	.035	.0096	.0067	.0164	.193	.011
%RSD	.06270	.05542	.16149	.22608	.48720	.67471	.07282
#1	12.806	62.404	5.9371	2.9690	3.3777	28.796	15.289
#2	12.794	62.355	5.9507	2.9595	3.3545	28.523	15.273

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3870	--	--	--	--	--	--
SDev	5.409298	--	--	--	--	--	--
%RSD	.1397833	--	--	--	--	--	--
#1	3866	--	--	--	--	--	--
#2	3874	--	--	--	--	--	--

Standardization Report 08/17/04 12:05:49 PM page 1

Method: TRACE2 Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	.629322	-.057084	08/17/04 12:01:28
As1890	189.042	Multiple	Standards	.082137	-.000988	08/17/04 12:01:28
B_2496	249.678	Multiple	Standards	.061292	-.004685	08/17/04 12:01:28
Ba4934	493.409	Multiple	Standards	.019138	-.000523	08/17/04 12:01:28
Be3130	313.042	Multiple	Standards	.012816	-.003414	08/17/04 12:01:28
Ca3179	317.933	Multiple	Standards	.919699	-.043080	08/17/04 12:01:28
Cd2265	226.502	Multiple	Standards	.007365	-.000477	08/17/04 12:01:28
Co2286	228.616	Multiple	Standards	.135335	-.000191	08/17/04 12:01:28
Cr2677	267.716	Multiple	Standards	.053411	-.001199	08/17/04 12:01:28
Cu3247	324.753	Multiple	Standards	.131857	-.011262	08/17/04 12:01:28
Fe2714	271.441	Multiple	Standards	3.00479	-.019337	08/17/04 12:01:28
K_7664	766.491	Multiple	Standards	.871956	.043155	08/17/04 12:01:28
Mg2790	279.078	Multiple	Standards	.410167	-.022932	08/17/04 12:01:28
Mn2576	257.610	Multiple	Standards	.078116	-.000506	08/17/04 12:01:28
Mo2020	202.030	Multiple	Standards	.048046	-.001956	08/17/04 12:01:28
Na3302	330.232	Multiple	Standards	20.4237	-.315777	08/17/04 12:01:28
Ni2316	231.604	Multiple	Standards	.019736	.000474	08/17/04 12:01:28
2203/1	220.351	Multiple	Standards	.069481	-.001062	08/17/04 12:01:28
2203/2	220.352	Multiple	Standards	.058707	-.001268	08/17/04 12:01:28
PB2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED*
SE1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED*
Sb2068	206.838	Multiple	Standards	.149455	-.001673	08/17/04 12:01:28
1960/1	196.021	Multiple	Standards	.170166	.008796	08/17/04 12:01:28
1960/2	196.022	Multiple	Standards	.076517	-.005424	08/17/04 12:01:28
Ti3372	337.280	Multiple	Standards	.016014	-.002509	08/17/04 12:01:28
Tl1908	190.864	Multiple	Standards	.163831	.001828	08/17/04 12:01:28
V_2924	292.402	Multiple	Standards	.335493	-.000885	08/17/04 12:01:28
Zn2062	206.200	Multiple	Standards	.290328	-.000736	08/17/04 12:01:28
Sn1899	189.989	Multiple	Standards	.034580	.000603	08/17/04 12:01:28
Ag3280	328.068	Multiple	Standards	.065414	-.000624	08/17/04 12:01:28

Standardization Readback Report 08/17/04 12:05:49 PM page 1

Method: TRACE2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD BLK	.000000	.000821	-.000821
		STD 1	5.00000	4.89985	.100150
		STD 2	25.0000	25.5228	-.522827
		STD 3	50.0000	50.0286	-.028553

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD BLK	.000000	.000017	-.000017
		STD 1	.100000	.097848	.002152
		STD 2	.500000	.511344	-.011344
		STD 3	1.00000	.998837	.001163

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
B_2496	249.678	STD BLK	.000000	.000026	-.000026
		STD 1	.100000	.097105	.002895
		STD 2	.500000	.514719	-.014719
		STD 3	1.00000	1.00801	-.008009

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ba4934	493.409	STD BLK	.000000	.000009	-.000009
		STD 1	.100000	.098886	.001114
		STD 2	.500000	.506237	-.006237
		STD 3	1.00000	.998666	.001334

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Be3130	313.042	STD BLK	.000000	.000011	-.000011
		STD 1	.100000	.098546	.001454
		STD 2	.500000	.512014	-.012014
		STD 3	1.00000	.990943	.009057

CorCoef: 0.99983

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ca3179	317.933	STD BLK	.000000	-.000067	.000067
		STD 1	5.00000	5.00032	-.000325
		STD 2	25.0000	25.3119	-.311939
		STD 3	50.0000	49.3676	.632378

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cd2265	226.502	STD BLK	.000000	-.000006	.000006
		STD 1	.100000	.100728	-.000728
		STD 2	.500000	.505511	-.005511
		STD 3	1.00000	.987517	.012483

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Co2286	228.616	STD BLK	.000000	.000016	-.000016
		STD 1	.100000	.097776	.002224
		STD 2	.500000	.516736	-.016736
		STD 3	1.00000	.987538	.012462

CorCoef: 0.99967

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD BLK	.000000	.000019	-.000019
		STD 1	.100000	.097696	.002304
		STD 2	.500000	.518136	-.018136
		STD 3	1.00000	.992801	.007199
CorCoef:	0.99971				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD BLK	.000000	.000013	-.000013
		STD 1	.100000	.098445	.001555
		STD 2	.500000	.508352	-.008352
		STD 3	1.00000	1.00127	-.001268
CorCoef:	0.99996				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD BLK	.000000	.000959	-.000959
		STD 1	5.00000	4.87457	.125432
		STD 2	25.0000	25.8994	-.899414
		STD 3	50.0000	49.4844	.515629
CorCoef:	0.99967				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K_7664	766.491	STD BLK	.000000	-.000178	.000178
		STD 1	5.00000	5.00709	-.007094
		STD 2	25.0000	25.5730	-.573032
		STD 3	50.0000	48.7830	1.21701
CorCoef:	0.99967				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD BLK	.000000	.001217	-.001217
		STD 1	5.00000	4.84921	.150788
		STD 2	25.0000	25.7023	-.702291
		STD 3	50.0000	50.1033	-.103302
CorCoef:	0.99988				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD BLK	.000000	.000021	-.000021
		STD 1	.100000	.097228	.002772
		STD 2	.500000	.517721	-.017721
		STD 3	1.00000	.992281	.007719
CorCoef:	0.99971				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD BLK	.000000	.000016	-.000016
		STD 1	.100000	.097917	.002083
		STD 2	.500000	.514581	-.014581
		STD 3	1.00000	.991669	.008331
CorCoef:	0.99978				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na3302	330.232	STD BLK	.000000	.001834	-.001834
		STD 1	5.00000	4.78351	.216487
		STD 2	25.0000	25.3923	-.392349
		STD 3	50.0000	51.2717	-1.27168
CorCoef:	0.99997				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD BLK	.000000	-.000006	.000006
		STD 1	.100000	.100628	-.000628
		STD 2	.500000	.503616	-.003616
		STD 3	1.00000	.987131	.012869
CorCoef:	0.99994				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD BLK	.000000	.000001	-.000001
		STD 1	.100000	.102404	-.002404
		STD 2	.500000	.526302	-.026302
		STD 3	1.00000	1.00683	-.006830
CorCoef:	0.99971				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD BLK	.000000	.000005	-.000005
		STD 1	.100000	.097815	.002185
		STD 2	.500000	.502526	-.002526
		STD 3	1.00000	.974388	.025612
CorCoef:	0.99986				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
PB2203	220.353	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
SE1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sb2068	206.838	STD BLK	.000000	.000023	-.000023
		STD 1	.100000	.097651	.002349
		STD 2	.500000	.514312	-.014312
		STD 3	1.00000	1.01023	-.010235
CorCoef:	0.99994				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD BLK	.000000	.000013	-.000013
		STD 1	.100000	.098022	.001978
		STD 2	.500000	.513387	-.013387
		STD 3	1.00000	.987789	.012211
CorCoef:	0.99977				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD BLK	.000000	.000007	-.000007
		STD 1	.100000	.097196	.002804
		STD 2	.500000	.499303	.000697
		STD 3	1.00000	.973998	.026002
CorCoef:	0.99991				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3372	337.280	STD BLK	.000000	.000008	-.000008
		STD 1	.100000	.098986	.001014
		STD 2	.500000	.506861	-.006861
		STD 3	1.00000	.996422	.003578
CorCoef:	0.99995				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD BLK	.000000	.000001	-.000001
		STD 1	.100000	.098484	.001516
		STD 2	.500000	.501660	-.001660
		STD 3	1.00000	.975617	.024383
CorCoef:	0.99989				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD BLK	.000000	.000013	-.000013
		STD 1	.100000	.098362	.001638
		STD 2	.500000	.511990	-.011990
		STD 3	1.00000	.993602	.006398
CorCoef:	0.99986				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD BLK	.000000	.000004	-.000004
		STD 1	.100000	.099070	.000930
		STD 2	.500000	.514210	-.014210
		STD 3	1.00000	.976538	.023462
CorCoef:	0.99960				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD BLK	.000000	.000023	-.000023
		STD 1	.100000	.097063	.002937
		STD 2	.500000	.518857	-.018857
		STD 3	1.00000	.991655	.008345
CorCoef:	0.99967				

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD BLK	.000000	.000009	-.000009
		STD 1	.100000	.098826	.001174
		STD 2	.500000	.506397	-.006397
		STD 3	1.00000	.998950	.001050
CorCoef:	0.99997				

Analysis Report Blank Sample 08/17/04 12:10:13 PM page 1

Method: TRACE2 Sample Name: STD 3 VER Operator: SW
Run Time: 08/17/04 12:05:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.472	.99608	.98947	.99750	.97845	49.293	.98587
SDev	.139	.00011	.00120	.00150	.00315	.034	.00069
%RSD	.28169	.01094	.12073	.15066	.32217	.06961	.07022
#1	49.571	.99600	.99031	.99856	.98068	49.318	.98636
#2	49.373	.99616	.98862	.99644	.97622	49.269	.98538
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.96659	.97104	.99902	48.309	48.251	49.223	.96841
SDev	.00705	.00589	.00128	.291	.135	.198	.00526
%RSD	.72978	.60645	.12766	.60244	.27980	.40149	.54367
#1	.97158	.97520	.99992	48.515	48.346	49.362	.97213
#2	.96160	.96687	.99812	48.103	48.155	49.083	.96468
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.97419	51.003	.99262	.96239	.98903	.98016	.99170
SDev	.00509	.091	.00015	.00600	.00543	.00562	.00364
%RSD	.52295	.17855	.01515	.62300	.54947	.57351	.36699
#1	.97779	50.939	.99251	.96663	.99287	.98413	.99428
#2	.97059	51.068	.99272	.95815	.98518	.97618	.98913
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0017	.99301	.99107	.99340	.98840	.97985	.95987
SDev	.0051	.00194	.00643	.00118	.00474	.00267	.00431
%RSD	.50664	.19532	.64870	.11876	.47942	.27219	.44942
#1	1.0053	.99164	.99561	.99424	.99175	.98174	.96292
#2	.99810	.99438	.98652	.99257	.98505	.97797	.95682
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.96872	.99276
SDev	.00553	.00152
%RSD	.57123	.15268
#1	.97264	.99383
#2	.96481	.99169
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3916	--	--	--	--	--	--
SDev	15.00841	--	--	--	--	--	--
%RSD	.3832574	--	--	--	--	--	--
#1	3905	--	--	--	--	--	--
#2	3927	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 12:14:37 PM page 1

Method: TRACE2 Sample Name: ICV Operator: SW
Run Time: 08/17/04 12:10:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	18.661	.36596	Q.35518	.37298	.36934	18.785	.36345
SDev	.042	.00178	.00116	.00021	.00079	.025	.00019
%RSD	.22239	.48501	.32773	.05616	.21309	.13243	.05255
#1	18.632	.36471	Q.35436	.37284	.36878	18.768	.36331
#2	18.690	.36722	Q.35601	.37313	.36990	18.803	.36358
Errors	QC Pass	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass
Value	18.750	.37500	.37500	.37500	.37500	18.750	.37500
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35723	Q.35000	.39161	17.993	18.626	Q17.796	.36648
SDev	.00144	.00057	.00032	.043	.040	.036	.00099
%RSD	.40385	.16431	.08083	.23962	.21545	.20026	.26910
#1	Q.35621	Q.34959	.39138	17.963	18.597	Q17.771	.36578
#2	.35825	Q.35040	.39183	18.024	18.654	17.821	.36718
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.37500	.37500	.37500	18.750	18.750	18.750	.37500
Range	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000	5.0000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.35651	18.242	.37606	.35870	.37137	.36715	.36894
SDev	.00190	.112	.00041	.00332	.00096	.00047	.00132
%RSD	.53230	.61659	.10916	.92628	.25892	.12668	.35675
#1	Q.35517	18.321	.37635	.35635	.37205	.36682	.36801
#2	.35785	18.162	.37577	.36105	.37069	.36748	.36987
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.37500	18.750	.37500			.37500	.37500
Range	5.0000	5.0000	5.0000			5.0000	5.0000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.37424	.36934	.36875	.37739	.37295	.36137	Q.35522
SDev	.00118	.00628	.00117	.00070	.00558	.00051	.00113
%RSD	.31538	1.7007	.31628	.18542	1.4960	.14191	.31752
#1	.37507	.36490	.36957	.37689	.37690	.36101	Q.35442
#2	.37340	.37378	.36793	.37788	.36901	.36173	Q.35601
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Fail
Value	.37500			.37500	.37500	.37500	.37500
Range	5.0000			5.0000	5.0000	5.0000	5.0000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	Q.35513	.36876
SDev	.00144	.00084
%RSD	.40609	.22851
#1	Q.35411	.36817
#2	Q.35615	.36936

Errors	QC Fail	QC Pass
Value	.37500	.37500
Range	5.0000	5.0000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3927	--	--	--	--	--	--
SDev	.3181635	--	--	--	--	--	--
%RSD	.0081020	--	--	--	--	--	--
#1	3927	--	--	--	--	--	--
#2	3927	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 12:19:01 PM page 1

Method: TRACE2 Sample Name: ICB Operator: SW
Run Time: 08/17/04 12:14:40
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00745	-.00174	-.00125	-.00025	-.00012	-.00527	-.00021
SDev	.00136	.00040	.00040	.00009	.00001	.00068	.00003
%RSD	18.284	22.913	32.021	37.310	5.4398	12.882	15.964
#1	-.00841	-.00202	-.00153	-.00032	-.00012	-.00575	-.00023
#2	-.00649	-.00146	-.00097	-.00018	-.00011	-.00479	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00075	-.00055	-.00062	-.01001	-.01634	-.00654	-.00016
SDev	.00014	.00015	.00063	.00118	.00265	.00097	.00009
%RSD	19.101	27.315	100.50	11.754	16.202	14.874	54.645
#1	-.00085	-.00044	-.00107	-.01084	-.01821	-.00723	-.00023
#2	-.00065	-.00066	-.00018	-.00917	-.01447	-.00586	-.00010
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	-.20195	-.00067	-.00084	-.00028	-.00046	.00042
SDev	.00024	.07197	.00042	.00053	.00138	.00110	.00191
%RSD	48.493	35.639	63.363	63.687	498.61	236.88	455.51
#1	-.00033	-.25285	-.00097	-.00122	-.00126	-.00124	-.00093
#2	-.00067	-.15106	-.00037	-.00046	.00070	.00031	.00177
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00090	.00139	-.00007	-.00059	-.00169	-.00045	.00024
SDev	.00147	.00251	.00160	.00015	.00425	.00074	.00054
%RSD	162.30	180.30	2297.9	25.907	251.28	165.00	222.90
#1	.00013	-.00038	-.00120	-.00069	-.00470	-.00097	-.00014
#2	-.00194	.00317	.00106	-.00048	.00131	.00007	.00062
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00005	-.00043
SDev	.00068	.00011
%RSD	1293.9	25.476
#1	.00043	-.00051
#2	-.00053	-.00035
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3868	--	--	--	--	--	--
SDev	35.10778	--	--	--	--	--	--
%RSD	.9075999	--	--	--	--	--	--
#1	3893	--	--	--	--	--	--
#2	3843	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 12:23:24 PM page 1

Method: TRACE2 Sample Name: CRI Operator: SW
Run Time: 08/17/04 12:19:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17956	.00791	.04809	.00164	.00169	.48533	.00065
SDev	.00423	.00047	.00036	.00008	.00005	.00192	.00011
%RSD	2.3555	5.9902	.74158	5.0638	3.1582	.39455	16.903
#1	.18255	.00824	.04784	.00170	.00173	.48669	.00057
#2	.17656	.00757	.04834	.00158	.00165	.48398	.00073
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.30000	.01500	.07500	.00300	.00300	.75000	.00150
Low	.10000	.00500	.02500	.00100	.00100	.25000	.00050

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00340	.00333	.00972	.03660	.50665	.17907	.00304
SDev	.00003	.00036	.00060	.01323	.01736	.00470	.00007
%RSD	.96267	10.961	6.1962	36.144	3.4268	2.6249	2.4756
#1	.00343	.00359	.01015	.04595	.51892	.18239	.00310
#2	.00338	.00308	.00930	.02724	.49437	.17574	.00299
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00600	.00600	.01500	.07500	.75000	.30000	.00450
Low	.00200	.00200	.00500	.02500	.25000	.10000	.00150

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00968	.72669	.00872	.00461	.00460	.00460	.01719
SDev	.00093	.09967	.00017	.00121	.00083	.00015	.00096
%RSD	9.5820	13.715	1.9401	26.295	18.089	3.2693	5.6076
#1	.01034	.79717	.00884	.00547	.00401	.00450	.01787
#2	.00903	.65621	.00860	.00376	.00518	.00471	.01651
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01500	1.5000	.01500			.00750	.02250
Low	.00500	.50000	.00500			.00250	.00750

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01782	.01891	.01633	.00425	.02036	.00431	.01955
SDev	.00111	.00157	.00223	.00020	.00112	.00014	.00013
%RSD	6.2377	8.2898	13.654	4.7009	5.5049	3.1958	.66870
#1	.01861	.01780	.01791	.00439	.02115	.00422	.01964
#2	.01704	.02002	.01475	.00411	.01957	.00441	.01946
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.03000			.00750	.03000	.00750	.03000
Low	.01000			.00250	.01000	.00250	.01000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00888	.00269
SDev	.00085	.00021
%RSD	9.5902	7.8355
#1	.00948	.00284
#2	.00828	.00254
Errors	LC Pass	LC Pass
High	.01500	.00450
Low	.00500	.00150

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3842	--	--	--	--	--	--
SDev	34.84262	--	--	--	--	--	--
%RSD	.9068373	--	--	--	--	--	--
#1	3818	--	--	--	--	--	--
#2	3867	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 12:27:47 PM page 1

Method: TRACE2 Sample Name: ICSA Operator: SW
Run Time: 08/17/04 12:23:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	517.11	-.00128	.00853	.00089	.00061	448.67	.00344
SDev	4.44	.00010	.00133	.00004	.00002	4.39	.00004
%RSD	.85875	7.4078	15.637	4.8382	3.5542	.97825	1.1586
#1	513.97	-.00135	.00947	.00086	.00059	445.57	.00342
#2	520.25	-.00121	.00758	.00092	.00062	451.78	.00347
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.00					500.00	
Range	100.00					100.00	

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00034	-.00178	.00490	190.14	-.01660	553.86	.00196
SDev	.00011	.00010	.00014	1.10	.03020	3.45	.00003
%RSD	31.174	5.3997	2.8980	.57848	181.97	.62360	1.2961
#1	-.00027	-.00171	.00500	189.36	.00476	551.41	.00194
#2	-.00042	-.00185	.00480	190.91	-.03795	556.30	.00198
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				40.000		100.00	

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00137	-.25910	.00124	-.02240	.01126	.00005	-.00278
SDev	.00002	.14374	.00059	.00327	.00149	.00009	.00035
%RSD	1.7320	55.475	47.142	14.578	13.257	181.29	12.667
#1	.00139	-.36074	.00083	-.02009	.01021	.00012	-.00253
#2	.00136	-.15746	.00165	-.02471	.01232	-.00001	-.00303
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00689	.00764	-.00799	.00006	-.01257	-.00071	.00111
SDev	.00283	.00376	.00241	.00002	.00149	.00007	.00042
%RSD	41.065	49.187	30.141	38.583	11.818	9.9743	37.763
#1	-.00489	.00499	-.00629	.00008	-.01363	-.00066	.00081
#2	-.00889	.01030	-.00969	.00004	-.01152	-.00076	.00141
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00387	-.00040
SDev	.00036	.00024
%RSD	9.4255	60.541
#1	.00412	-.00023
#2	.00361	-.00057
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3623	--	--	--	--	--	--
SDev	14.95541	--	--	--	--	--	--
%RSD	.4128051	--	--	--	--	--	--
#1	3633	--	--	--	--	--	--
#2	3612	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 12:32:10 PM page 1

Method: TRACE2 Sample Name: ICSAB Operator: SW
Run Time: 08/17/04 12:27:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	506.54	.09704	.00703	.51636	.48697	443.67	.91672
SDev	.63	.00058	.00111	.00012	.00097	.64	.00082
%RSD	.12531	.60095	15.827	.02335	.19838	.14404	.08909
#1	506.99	.09746	.00782	.51644	.48765	444.12	.91730
#2	506.09	.09663	.00624	.51627	.48628	443.21	.91614
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	.10000		.50000	.50000	500.00	1.0000
Range	100.00	.02000		.10000	.10000	100.00	.20000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.45208	.45501	.54416	91.624	-.02408	535.94	.48345
SDev	.00148	.00110	.00022	.326	.00724	1.58	.00142
%RSD	.32844	.24088	.04057	.35542	30.072	.29515	.29396
#1	.45313	.45578	.54400	91.854	-.01896	537.06	.48446
#2	.45103	.45423	.54432	91.393	-.02919	534.82	.48245
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	100.00		500.00	.50000
Range	.10000	.10000	.10000	20.000		100.00	.10000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00406	-.23876	.93387	.01828	.05965	.04587	.04670
SDev	.00142	.02359	.00203	.00370	.00368	.00122	.00099
%RSD	34.847	9.8802	.21729	20.230	6.1654	2.6632	2.1187
#1	.00306	-.22208	.93530	.01566	.06225	.04674	.04600
#2	.00506	-.25544	.93243	.02089	.05705	.04501	.04740
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.0000			.05000	.05000
Range			.20000			.01000	.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.60454	.04445	.04783	.00027	.08248	.48242	.87218
SDev	.00451	.00331	.00017	.00013	.00382	.00088	.00297
%RSD	.74652	7.4506	.35840	49.850	4.6273	.18132	.34017
#1	.60135	.04210	.04795	.00036	.08518	.48304	.87428
#2	.60773	.04679	.04771	.00017	Q.07978	.48180	.87008
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.60000				.10000	.50000	1.0000
Range	.12000				.02000	.10000	.20000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00034	.21003
SDev	.00206	.00084
%RSD	614.91	.40003
#1	-.00179	.21063
#2	.00112	.20944
Errors	NOCHECK	QC Pass
Value		.20000
Range		.04000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3715	--	--	--	--	--	--
SDev	12.62175	--	--	--	--	--	--
%RSD	.3397396	--	--	--	--	--	--
#1	3706	--	--	--	--	--	--
#2	3724	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 12:37:53 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/17/04 12:33:33
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.893	.48730	.47455	.49775	.49283	25.014	.48346
SDev	.083	.00155	.00185	.00042	.00247	.022	.00072
%RSD	.33485	.31764	.39007	.08404	.50060	.08641	.14932
#1	24.834	.48621	.47324	.49746	.49108	24.999	.48295
#2	24.952	.48840	.47586	.49805	.49457	25.029	.48397
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.48010	.46831	.52233	24.218	24.689	23.784	.49224
SDev	.00498	.00339	.00103	.238	.106	.194	.00451
%RSD	1.0368	.72447	.19787	.98281	.43053	.81652	.91561
#1	.47658	.46591	.52306	24.050	24.614	23.647	.48906
#2	.48362	.47071	.52160	24.387	24.765	23.922	.49543
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47816	24.537	.49955	.48270	.49711	.49231	.49572
SDev	.00396	.017	.00083	.00607	.00115	.00278	.00291
%RSD	.82905	.06848	.16588	1.2564	.23051	.56548	.58618
#1	.47536	24.549	.50014	.47841	.49630	.49034	.49366
#2	.48097	24.525	.49896	.48699	.49792	.49428	.49777
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49735	.49710	.49503	.50409	.49712	.48295	.47512
SDev	.00680	.00168	.00352	.00024	.00325	.00276	.00385
%RSD	1.3676	.33727	.71116	.04689	.65347	.57051	.81071
#1	.49254	.49591	.49255	.50392	.49942	.48100	.47240
#2	.50216	.49829	.49752	.50425	.49483	.48490	.47784
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.47908	.49300
SDev	.00603	.00181
%RSD	1.2587	.36734
#1	.47482	.49171
#2	.48335	.49428
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3927	--	--	--	--	--	--
SDev	28.74399	--	--	--	--	--	--
%RSD	.7319720	--	--	--	--	--	--
#1	3947	--	--	--	--	--	--
#2	3907	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 12:42:17 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/17/04 12:37:56
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03419	-.00179	-.00068	-.00032	-.00022	.03562	-.00025
SDev	.00956	.00006	.00085	.00002	.00002	.00664	.00002
%RSD	27.957	3.0822	125.63	4.7804	8.3254	18.644	6.8768
#1	.04095	-.00175	-.00008	-.00031	-.00021	.04032	-.00024
#2	.02743	-.00183	-.00128	-.00033	-.00023	.03093	-.00026
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00031	-.00046	-.00100	.00698	-.01241	.03423	-.00015
SDev	.00012	.00050	.00037	.00889	.02538	.00428	.00004
%RSD	39.227	107.61	37.111	127.40	204.49	12.510	28.930
#1	-.00023	-.00011	-.00074	.01327	.00554	.03726	-.00012
#2	-.00040	-.00082	-.00126	.00069	-.03036	.03120	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	-.15018	-.00065	.00099	-.00001	.00032	-.00172
SDev	.00026	.02696	.00021	.00252	.00152	.00017	.00005
%RSD	54.777	17.949	31.590	255.44	18432.	53.032	3.1229
#1	-.00029	-.13112	-.00050	-.00080	.00106	.00044	-.00168
#2	-.00066	-.16924	-.00080	.00277	-.00108	.00020	-.00175
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00294	-.00089	-.00213	-.00041	-.00068	-.00054	-.00025
SDev	.00061	.00222	.00119	.00006	.00026	.00049	.00037
%RSD	20.666	250.74	55.936	14.077	37.804	90.968	149.85
#1	-.00337	-.00246	-.00129	-.00045	-.00050	-.00019	.00001
#2	-.00251	.00069	-.00297	-.00037	-.00086	-.00089	-.00051
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00090	-.00014
SDev	.00045	.00047
%RSD	49.804	343.96
#1	-.00122	-.00047
#2	-.00058	.00020
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3886	--	--	--	--	--	--
SDev	22.22069	--	--	--	--	--	--
%RSD	.5717459	--	--	--	--	--	--
#1	3871	--	--	--	--	--	--
#2	3902	--	--	--	--	--	--

Analysis Report 08/17/04 12:46:40 PM page 1

Method: TRACE2 Sample Name: AD441466/(1:5) Operator: SW
Run Time: 08/17/04 12:42:20
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01901	-.00209	.03167	.01480	-.00039	24.535	-.00047
SDev	.00095	.00180	.00081	.00043	.00001	.486	.00001
%RSD	4.9935	85.866	2.5729	2.9002	2.8732	1.9823	1.9562
#1	.01834	-.00337	.03110	.01450	-.00038	24.191	-.00048
#2	.01968	-.00082	.03225	.01511	-.00040	24.879	-.00046
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00053	-.00057	-.00157	-.00007	1.3813	7.0375	.01457
SDev	.00024	.00001	.00004	.00058	.0320	.1163	.00022
%RSD	45.393	1.8981	2.8425	833.21	2.3140	1.6528	1.4900
#1	-.00070	-.00057	-.00154	.00034	1.3587	6.9553	.01442
#2	-.00036	-.00058	-.00160	-.00048	1.4039	7.1198	.01473
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00112	17.092	-.00038	-.00135	-.00139	-.00138	.00010
SDev	.00016	.151	.00014	.00020	.00024	.00009	.00182
%RSD	14.361	.88302	36.302	14.612	17.327	6.8903	1737.4
#1	-.00123	16.985	-.00048	-.00121	-.00156	-.00144	.00139
#2	-.00100	17.199	-.00028	-.00149	-.00122	-.00131	-.00118
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00023	.00454	-.00212	-.00062	-.00177	-.00080	.00043
SDev	.00099	.00419	.00063	.00024	.00097	.00036	.00000
%RSD	437.87	92.298	29.916	38.518	54.542	44.604	.59906
#1	.00047	.00751	-.00167	-.00045	-.00109	-.00105	.00043
#2	-.00092	.00158	-.00256	-.00078	-.00246	-.00055	.00043
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00007	-.00074
SDev	.00069	.00063
%RSD	951.68	84.950
#1	-.00042	-.00029
#2	.00056	-.00118
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3978	--	--	--	--	--	--
SDev	8.644449	--	--	--	--	--	--
%RSD	.2172839	--	--	--	--	--	--
#1	3972	--	--	--	--	--	--
#2	3985	--	--	--	--	--	--

Analysis Report 08/17/04 12:51:04 PM page 1

Method: TRACE2 Sample Name: AD441466/L (1:25) Operator: SW
Run Time: 08/17/04 12:46:44
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00818	-.00039	.00492	.00285	-.00047	5.4277	-.00049
SDev	.00005	.00003	.00064	.00024	.00000	.2600	.00013
%RSD	.65196	7.5153	12.984	8.2918	.64410	4.7904	25.573
#1	-.00822	-.00037	.00447	.00268	-.00047	5.2439	-.00058
#2	-.00814	-.00041	.00537	.00302	-.00048	5.6116	-.00040
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00080	-.00067	-.00279	-.01409	.27291	1.5109	.00281
SDev	.00010	.00055	.00008	.00423	.00638	.0691	.00022
%RSD	12.057	81.930	2.8094	30.010	2.3383	4.5753	7.7374
#1	-.00087	-.00105	-.00274	-.01708	.26840	1.4620	.00265
#2	-.00073	-.00028	-.00285	-.01110	.27742	1.5598	.00296
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00049	3.4204	-.00064	-.00157	-.00105	-.00122	-.00314
SDev	.00049	.1583	.00014	.00055	.00155	.00122	.00091
%RSD	99.060	4.6291	21.518	35.146	147.91	99.745	29.049
#1	-.00084	3.3084	-.00073	-.00118	.00005	-.00036	-.00379
#2	-.00015	3.5323	-.00054	-.00196	-.00215	-.00208	-.00250
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00223	-.00372	-.00285	-.00089	-.00117	-.00059	-.00012
SDev	.00106	.00031	.00121	.00015	.00085	.00065	.00026
%RSD	47.385	8.3997	42.524	16.295	72.481	109.78	211.25
#1	-.00148	-.00395	-.00371	-.00099	-.00057	-.00105	-.00030
#2	-.00297	-.00350	-.00200	-.00079	-.00177	-.00013	.00006
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00005	-.00084
SDev	.00062	.00033
%RSD	1283.5	39.592
#1	-.00048	-.00061
#2	.00039	-.00108
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4010	--	--	--	--	--	--
SDev	4.030474	--	--	--	--	--	--
%RSD	.1005212	--	--	--	--	--	--
#1	4007	--	--	--	--	--	--
#2	4012	--	--	--	--	--	--

Analysis Report 08/17/04 12:55:27 PM page 1

Method: TRACE2 Sample Name: AD441466/PS (1:5) Operator: SW
Run Time: 08/17/04 12:51:07
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.0873	.18390	.21540	.20445	.18367	32.434	.18135
SDev	.2479	.00600	.00521	.00545	.00515	.857	.00456
%RSD	2.7275	3.2642	2.4207	2.6656	2.8010	2.6429	2.5167
#1	8.9120	.17966	.21172	.20059	.18003	31.828	.17812
#2	9.2625	.18815	.21909	.20830	.18731	33.040	.18458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17882	.17715	.19249	.35185	10.905	15.339	.19475
SDev	.00534	.00575	.00498	.01649	.306	.456	.00567
%RSD	2.9844	3.2475	2.5900	4.6863	2.8040	2.9712	2.9117
#1	.17505	.17308	.18896	.34019	10.689	15.016	.19074
#2	.18260	.18122	.19602	.36350	11.121	15.661	.19876
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17903	25.794	.18813	.17957	.18520	.18333	.18520
SDev	.00493	.974	.00513	.00563	.00740	.00681	.00769
%RSD	2.7521	3.7747	2.7275	3.1329	3.9937	3.7130	4.1508
#1	.17554	25.106	.18451	.17559	.17997	.17851	.17977
#2	.18251	26.482	.19176	.18355	.19043	.18814	.19064
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.18224	.18641	.18460	.19246	.19114	.17909	.17916
SDev	.00418	.00582	.00862	.00488	.00191	.00504	.00526
%RSD	2.2943	3.1220	4.6702	2.5358	1.0004	2.8113	2.9372
#1	.17929	.18230	.17851	.18901	.18979	.17553	.17544
#2	.18520	.19053	.19070	.19591	.19250	.18265	.18288
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.17244	.04499
SDev	.00509	.00153
%RSD	2.9495	3.4012
#1	.16885	.04391
#2	.17604	.04607
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3997	--	--	--	--	--	--
SDev	6.310963	--	--	--	--	--	--
%RSD	.1579009	--	--	--	--	--	--
#1	4001	--	--	--	--	--	--
#2	3992	--	--	--	--	--	--

Analysis Report 08/17/04 12:59:50 PM page 1

Method: TRACE2 Sample Name: AD441467 Operator: SW
Run Time: 08/17/04 12:55:30
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.4457	-.00003	.02463	.03379	-.00022	31.130	-.00043
SDev	.0647	.00085	.00121	.00069	.00001	.595	.00018
%RSD	1.8790	2916.8	4.9118	2.0429	3.2738	1.9125	41.845
#1	3.3999	.00058	.02378	.03331	-.00023	30.709	-.00056
#2	3.4915	-.00063	.02549	.03428	-.00022	31.551	-.00030
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00165	.00494	.00586	4.9441	1.3356	7.6840	.20901
SDev	.00036	.00030	.00072	.0812	.0446	.1414	.00367
%RSD	22.047	6.0834	12.320	1.6417	3.3385	1.8407	1.7579
#1	.00139	.00473	.00535	4.8867	1.3041	7.5839	.20641
#2	.00190	.00515	.00637	5.0015	1.3671	7.7840	.21161
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00113	22.204	.00495	.00537	.00516	.00523	.00304
SDev	.00045	.540	.00008	.00050	.00075	.00033	.00193
%RSD	39.636	2.4317	1.6274	9.3624	14.539	6.3652	63.641
#1	.00081	21.822	.00500	.00573	.00463	.00500	.00441
#2	.00144	22.586	.00489	.00502	.00569	.00547	.00167
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00180	.00491	.00210	.05741	-.00264	.00506	.03707
SDev	.00093	.00369	.00106	.00134	.00019	.00012	.00076
%RSD	51.899	75.110	50.269	2.3351	7.0135	2.2822	2.0570
#1	-.00246	.00751	.00285	.05646	-.00251	.00498	.03653
#2	-.00114	.00230	.00136	.05836	-.00278	.00514	.03761
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00153	-.00052
SDev	.00067	.00033
%RSD	43.653	62.545
#1	.00106	-.00076
#2	.00201	-.00029
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3944	--	--	--	--	--	--
SDev	2.280316	--	--	--	--	--	--
%RSD	.0578164	--	--	--	--	--	--
#1	3942	--	--	--	--	--	--
#2	3946	--	--	--	--	--	--

Analysis Report 08/17/04 01:04:13 PM page 1

Method: TRACE2 Sample Name: AD441470 Operator: SW
Run Time: 08/17/04 12:59:53
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.30537	-.00194	.02389	.02902	-.00043	28.542	-.00045
SDev	.01368	.00105	.00119	.00155	.00000	1.457	.00015
%RSD	4.4807	54.205	4.9761	5.3270	.97887	5.1058	33.995
#1	.29569	-.00119	.02305	.02793	-.00043	27.512	-.00034
#2	.31504	-.00268	.02473	.03012	-.00044	29.573	-.00056
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	.00033	-.00104	.44923	.83039	13.522	.02183
SDev	.00010	.00037	.00006	.01055	.02445	.703	.00108
%RSD	469.57	113.66	5.3200	2.3473	2.9438	5.1979	4.9404
#1	.00005	.00059	-.00108	.44177	.81311	13.025	.02107
#2	-.00009	.00006	-.00100	.45669	.84768	14.019	.02260
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00065	34.825	.00066	.00040	.00020	.00027	.00048
SDev	.00033	2.008	.00064	.00160	.00080	.00000	.00057
%RSD	51.002	5.7654	96.891	400.44	392.61	1.1905	120.01
#1	.00041	33.406	.00110	-.00073	.00077	.00027	.00007
#2	.00088	36.245	.00021	.00153	-.00036	.00027	.00088
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00188	.00280	-.00069	.00899	-.00182	.00033	.00282
SDev	.00112	.00107	.00032	.00050	.00103	.00006	.00015
%RSD	59.582	38.070	47.044	5.5465	56.528	17.576	5.3277
#1	-.00267	.00205	-.00092	.00864	-.00109	.00029	.00272
#2	-.00109	.00356	-.00046	.00934	-.00254	.00037	.00293
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00258	-.00068
SDev	.00001	.00001
%RSD	.36787	1.7168
#1	.00257	-.00069
#2	.00258	-.00067

Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3979	--	--	--	--	--	--
SDev	5.674463	--	--	--	--	--	--
%RSD	.1426098	--	--	--	--	--	--
#1	3975	--	--	--	--	--	--
#2	3983	--	--	--	--	--	--

Analysis Report 08/17/04 01:08:36 PM page 1

Method: TRACE2 Sample Name: AD439365/PB Operator: SW
Run Time: 08/17/04 13:04:16
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00558	-.00324	.00012	-.00037	-.00054	.03491	-.00048
SDev	.00217	.00210	.00006	.00007	.00000	.00101	.00005
%RSD	38.938	64.773	51.101	19.882	.23639	2.8993	11.272
#1	-.00712	-.00473	.00008	-.00032	-.00054	.03562	-.00044
#2	-.00404	-.00176	.00016	-.00042	-.00054	.03419	-.00052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00073	-.00079	-.00293	-.00783	.01001	-.00739	-.00014
SDev	.00019	.00034	.00030	.00160	.00417	.00032	.00003
%RSD	25.866	42.633	10.198	20.449	41.670	4.2795	18.795
#1	-.00059	-.00055	-.00272	-.00670	.01296	-.00761	-.00016
#2	-.00086	-.00103	-.00314	-.00896	.00706	-.00717	-.00012
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00039	-.17706	-.00105	.00018	-.00141	-.00088	.00056
SDev	.00042	.06097	.00014	.00047	.00042	.00013	.00242
%RSD	106.09	34.433	13.442	262.53	29.952	14.362	431.56
#1	-.00068	-.13395	-.00095	.00051	-.00171	-.00097	.00227
#2	-.00010	-.22017	-.00115	-.00015	-.00111	-.00079	-.00115
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00113	.00267	-.00049	-.00029	-.00238	-.00068	.00077
SDev	.00008	.00337	.00194	.00025	.00142	.00029	.00010
%RSD	7.0504	126.32	391.76	84.301	59.673	43.238	12.662
#1	-.00119	.00505	.00088	-.00047	-.00137	-.00047	.00070
#2	-.00108	.00028	-.00186	-.00012	-.00338	-.00089	.00084
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	H.05094	-.00049
SDev	.00044	.00015
%RSD	.86953	30.562
#1	H.05125	-.00038
#2	H.05062	-.00059

Errors	LC High	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4051	--	--	--	--	--	--
SDev	10.87177	--	--	--	--	--	--
%RSD	.2683716	--	--	--	--	--	--
#1	4043	--	--	--	--	--	--
#2	4059	--	--	--	--	--	--

Analysis Report 08/17/04 01:12:59 PM page 1

Method: TRACE2 Sample Name: AD442108/PB Operator: SW
Run Time: 08/17/04 13:08:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00575	-.00258	-.00099	-.00044	-.00053	-.00846	-.00050
SDev	.00081	.00141	.00047	.00006	.00000	.00108	.00007
%RSD	14.024	54.548	47.615	13.832	.48393	12.780	13.497
#1	-.00518	-.00357	-.00066	-.00048	-.00053	-.00769	-.00055
#2	-.00632	-.00158	-.00132	-.00040	-.00053	-.00922	-.00045
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00070	-.00088	-.00269	-.01595	-.01957	-.01657	-.00039
SDev	.00010	.00009	.00022	.00479	.01291	.00042	.00000
%RSD	13.819	10.690	8.1582	30.032	65.963	2.5629	.05039
#1	-.00063	-.00081	-.00253	-.01933	-.01044	-.01627	-.00039
#2	-.00077	-.00094	-.00284	-.01256	-.02869	-.01687	-.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00500	.00200	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00070	-.15226	-.00070	-.00128	.00096	.00021	-.00127
SDev	.00049	.05807	.00107	.00215	.00128	.00014	.00029
%RSD	69.515	38.139	152.24	168.43	133.99	65.087	22.940
#1	-.00104	-.19332	-.00146	.00024	.00005	.00011	-.00147
#2	-.00036	-.11120	.00005	-.00280	.00186	.00031	-.00106
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.10000			.00600	.01500
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00053	-.00168	-.00107	-.00069	-.00105	-.00059	.00141
SDev	.00008	.00058	.00014	.00018	.00097	.00006	.00005
%RSD	15.699	34.893	13.540	25.345	91.743	10.144	3.3831
#1	-.00059	-.00209	-.00117	-.00057	-.00174	-.00063	.00144
#2	-.00047	-.00126	-.00096	-.00082	-.00037	-.00055	.00137
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.01000	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00112	-.00067
SDev	.00245	.00021
%RSD	219.70	30.931
#1	.00285	-.00053
#2	-.00062	-.00082
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3998	--	--	--	--	--	--
SDev	6.682125	--	--	--	--	--	--
%RSD	.1671576	--	--	--	--	--	--
#1	4002	--	--	--	--	--	--
#2	3993	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 01:18:42 PM page 1

Method: TRACE2 Sample Name: CRI Operator: SW
Run Time: 08/17/04 13:14:22
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.17680	.00901	.04652	.00156	.00148	.47520	.00053
SDev	.00216	.00019	.00037	.00014	.00003	.00154	.00006
%RSD	1.2235	2.0775	.78788	8.9278	1.9179	.32420	12.092
#1	.17528	.00888	.04626	.00146	.00146	.47411	L.00049
#2	.17833	.00915	.04678	.00166	.00151	.47629	.00058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.30000	.01500	.07500	.00300	.00300	.75000	.00150
Low	.10000	.00500	.02500	.00100	.00100	.25000	.00050

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00329	.00302	.00813	.03306	.48632	.17154	.00283
SDev	.00011	.00004	.00038	.00832	.01004	.00143	.00003
%RSD	3.3760	1.3617	4.7352	25.174	2.0637	.83319	.96122
#1	.00321	.00305	.00786	.02718	.49341	.17053	.00281
#2	.00337	.00299	.00840	.03895	.47922	.17255	.00285
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00600	.00600	.01500	.07500	.75000	.30000	.00450
Low	.00200	.00200	.00500	.02500	.25000	.10000	.00150

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00873	.97435	.00948	.00429	.00385	.00400	.01444
SDev	.00023	.06114	.00042	.00059	.00097	.00045	.00262
%RSD	2.6919	6.2744	4.3853	13.830	25.254	11.275	18.111
#1	.00889	1.0176	.00919	.00471	.00316	.00368	.01259
#2	.00856	.93112	.00977	.00387	.00453	.00431	.01629
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01500	1.5000	.01500			.00750	.02250
Low	.00500	.50000	.00500			.00250	.00750

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01658	.01484	.01424	.00431	.01689	.00446	.01893
SDev	.00010	.00085	.00350	.00014	.00179	.00008	.00008
%RSD	.59107	5.7364	24.560	3.2348	10.579	1.8193	.41088
#1	.01651	.01424	.01177	.00421	.01563	.00440	.01888
#2	.01665	.01545	.01672	.00440	.01816	.00452	.01899
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.03000			.00750	.03000	.00750	.03000
Low	.01000			.00250	.01000	.00250	.01000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00853	.00261
SDev	.00088	.00015
%RSD	10.293	5.9075
#1	.00791	.00250
#2	.00915	.00272
Errors	LC Pass	LC Pass
High	.01500	.00450
Low	.00500	.00150

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3926	--	--	--	--	--	--
SDev	15.43257	--	--	--	--	--	--
%RSD	.3930726	--	--	--	--	--	--
#1	3937	--	--	--	--	--	--
#2	3915	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 01:23:05 PM page 1

Method: TRACE2 Sample Name: ICSA Operator: SW
Run Time: 08/17/04 13:18:46
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	505.84	-.00174	.00826	.00097	.00055	443.11	.00256
SDev	.32	.00100	.00110	.00004	.00000	.42	.00017
%RSD	.06321	57.606	13.326	3.9951	.39018	.09588	6.6887
#1	506.07	-.00245	.00749	.00100	.00055	442.81	.00268
#2	505.62	-.00103	.00904	.00094	.00054	443.41	.00244
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK
Value	500.00					500.00	
Range	100.00					100.00	

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00015	-.00171	.00448	185.86	-.00978	538.24	.00196
SDev	.00010	.00020	.00008	.23	.00800	.52	.00003
%RSD	67.942	11.530	1.8765	.12379	81.858	.09651	1.4017
#1	-.00023	-.00184	.00442	186.02	-.01544	538.61	.00194
#2	-.00008	-.00157	.00454	185.70	-.00412	537.88	.00197
Errors	NOCHECK	NOCHECK	NOCHECK	QC Pass	NOCHECK	QC Pass	NOCHECK
Value				200.00		500.00	
Range				40.000		100.00	

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00010	-.19543	.00108	-.02348	.01217	.00030	-.00628
SDev	.00026	.01201	.00068	.00203	.00075	.00118	.00278
%RSD	268.89	6.1462	63.003	8.6645	6.1502	397.40	44.243
#1	.00028	-.18694	.00060	-.02204	.01269	.00113	-.00431
#2	-.00009	-.20393	.00156	-.02492	.01164	-.00054	-.00824
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00360	-.00610	-.00636	.00013	-.01921	-.00084	.00108
SDev	.00275	.00183	.00325	.00003	.00361	.00007	.00023
%RSD	76.509	29.977	51.084	21.004	18.811	7.7496	21.123
#1	-.00554	-.00481	-.00407	.00011	-.01666	-.00089	.00124
#2	-.00165	-.00740	-.00866	.00015	-.02177	-.00079	.00092
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00110	-.00018
SDev	.00268	.00076
%RSD	244.98	430.26
#1	.00080	-.00071
#2	-.00299	.00036
Errors	NOCHECK	NOCHECK
Value		
Range		

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3649	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.1162646	--	--	--	--	--	--
#1	3646	--	--	--	--	--	--
#2	3652	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 01:27:29 PM page 1

Method: TRACE2 Sample Name: ICSAB Operator: SW
Run Time: 08/17/04 13:23:09
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	501.23	.10023	.00555	.51649	.48311	441.99	.91864
SDev	.83	.00305	.00024	.00034	.00037	.09	.00011
%RSD	.16525	3.0467	4.4004	.06549	.07572	.02116	.01156
#1	501.81	.09807	.00572	.51673	.48337	441.93	.91857
#2	500.64	.10239	.00538	.51625	.48285	442.06	.91872
Errors	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.00	.10000		.50000	.50000	500.00	1.0000
Range	100.00	.02000		.10000	.10000	100.00	.20000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.44867	.44964	.54267	90.762	-.04051	530.49	.47859
SDev	.00050	.00009	.00125	.209	.00045	.58	.00123
%RSD	.11231	.01994	.22954	.23052	1.1226	.11006	.25712
#1	.44903	.44958	.54355	90.910	-.04083	530.90	.47946
#2	.44832	.44971	.54179	90.614	-.04019	530.07	.47772
Errors	QC Pass	QC Pass	QC Pass	QC Pass	NOCHECK	QC Pass	QC Pass
Value	.50000	.50000	.50000	100.00		500.00	.50000
Range	.10000	.10000	.10000	20.000		100.00	.10000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00503	-.15212	.94107	.02441	.05621	.04562	.04602
SDev	.00002	.20043	.00102	.00156	.00106	.00123	.00079
%RSD	.30029	131.76	.10789	6.4065	1.8930	2.6972	1.7208
#1	.00504	-.29385	.94035	.02330	.05545	.04475	.04546
#2	.00502	-.01039	.94178	.02551	.05696	.04649	.04658
Errors	NOCHECK	NOCHECK	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value			1.0000			.05000	.05000
Range			.20000			.01000	.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.60816	.04909	.04449	.00023	.08343	.47844	.86906
SDev	.00142	.00073	.00082	.00002	.00010	.00014	.00130
%RSD	.23317	1.4950	1.8454	7.6568	.11950	.02889	.15020
#1	.60916	.04857	.04391	.00022	.08336	.47854	.86999
#2	.60716	.04961	.04507	.00024	.08350	.47835	.86814
Errors	QC Pass	NOCHECK	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass
Value	.60000				.10000	.50000	1.0000
Range	.12000				.02000	.10000	.20000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00148	.20904
SDev	.00167	.00095
%RSD	112.22	.45398
#1	.00031	.20971
#2	.00266	.20837
Errors	NOCHECK	QC Pass
Value		.20000
Range		.04000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3736	--	--	--	--	--	--
SDev	12.94009	--	--	--	--	--	--
%RSD	.3463436	--	--	--	--	--	--
#1	3727	--	--	--	--	--	--
#2	3745	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 01:31:52 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/17/04 13:27:32
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.437	.48072	.46091	.49768	.48309	24.941	.48433
SDev	.025	.00068	.00112	.00060	.00064	.030	.00023
%RSD	.10155	.14155	.24402	.11966	.13141	.11898	.04765
#1	24.455	.48120	.46012	.49810	.48354	24.962	.48450
#2	24.420	.48024	.46171	.49726	.48264	24.920	.48417
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46658	.45377	.52076	23.400	24.267	23.159	.47600
SDev	.00047	.00051	.00034	.053	.003	.032	.00100
%RSD	.10024	.11152	.06623	.22741	.01364	.13994	.21013
#1	.46691	.45413	.52101	23.437	24.270	23.182	.47671
#2	.46625	.45341	.52052	23.362	24.265	23.136	.47530
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46730	24.226	.50684	.47091	.49628	.48783	.48921
SDev	.00008	.048	.00066	.00047	.00291	.00210	.00403
%RSD	.01777	.19990	.13026	.09915	.58630	.42971	.82364
#1	.46724	24.192	.50731	.47124	.49834	.48931	.49206
#2	.46736	24.260	.50637	.47058	.49422	.48635	.48636
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49601	.48717	.49023	.50232	.49722	.47373	.46478
SDev	.00037	.00091	.00559	.00053	.00143	.00018	.00136
%RSD	.07426	.18672	1.1401	.10538	.28651	.03841	.29357
#1	.49575	.48781	.49419	.50270	.49621	.47386	.46574
#2	.49627	.48652	.48628	.50195	.49823	.47360	.46381
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.47003	.48817
SDev	.00068	.00014
%RSD	.14538	.02909
#1	.47052	.48827
#2	.46955	.48807
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3991	--	--	--	--	--	--
SDev	1.537992	--	--	--	--	--	--
%RSD	.0385378	--	--	--	--	--	--
#1	3990	--	--	--	--	--	--
#2	3992	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 01:36:15 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/17/04 13:31:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07483	-.00200	-.00181	-.00027	-.00026	.06863	-.00022
SDev	.01198	.00143	.00043	.00010	.00000	.00852	.00002
%RSD	16.007	71.446	23.730	38.819	.17908	12.418	8.9012
#1	.08330	-.00099	-.00211	-.00034	-.00027	.07465	-.00021
#2	.06636	-.00300	-.00150	-.00019	-.00026	.06260	-.00024
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00045	-.00048	-.00221	.01250	-.01874	.06625	-.00018
SDev	.00027	.00015	.00042	.00093	.01574	.00750	.00001
%RSD	59.567	30.483	18.851	7.4120	84.029	11.323	6.8900
#1	-.00026	-.00058	-.00251	.01316	-.02987	.07156	-.00017
#2	-.00064	-.00038	-.00192	.01185	-.00760	.06095	-.00019
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00030	-.17127	-.00037	-.00206	-.00112	-.00143	.00186
SDev	.00011	.10996	.00057	.00232	.00020	.00091	.00096
%RSD	38.038	64.201	154.74	112.39	17.997	63.155	51.766
#1	-.00022	-.24902	-.00077	-.00042	-.00098	-.00079	.00118
#2	-.00038	-.09352	.00003	-.00370	-.00126	-.00208	.00254
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00082	.00361	.00099	-.00056	-.00122	-.00021	-.00011
SDev	.00030	.00234	.00027	.00002	.00088	.00024	.00026
%RSD	35.998	64.999	27.668	4.0778	71.872	113.10	233.99
#1	-.00103	.00195	.00080	-.00054	-.00060	-.00004	-.00030
#2	-.00061	.00526	.00118	-.00057	-.00184	-.00038	.00007
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00064	-.00064
SDev	.00057	.00042
%RSD	89.070	65.642
#1	.00104	-.00094
#2	.00024	-.00034

Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3964	--	--	--	--	--	--
SDev	17.81906	--	--	--	--	--	--
%RSD	.4495674	--	--	--	--	--	--
#1	3976	--	--	--	--	--	--
#2	3951	--	--	--	--	--	--

Analysis Report 08/17/04 01:40:38 PM page 1

Method: TRACE2 Sample Name: AD442107/FB Operator: SW
Run Time: 08/17/04 13:36:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.8489	.20317	.19231	.20426	.19933	10.046	.19946
SDev	.0275	.00277	.00045	.00019	.00041	.015	.00020
%RSD	.27960	1.3611	.23478	.09535	.20551	.15053	.10277
#1	9.8684	.20121	.19263	.20440	.19962	10.056	.19961
#2	9.8294	.20512	.19199	.20412	.19904	10.035	.19932
Errors	LC Pass	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	11.500	.23000		.23000	.23000	11.500	.23000
Low	8.5000	.17000		.17000	.17000	8.5000	.17000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20101	.19467	.20314	.40542	10.168	9.8127	.20311
SDev	.00031	.00120	.00015	.00348	.033	.0179	.00077
%RSD	.15454	.61675	.07323	.85906	.32533	.18234	.37973
#1	.20123	.19552	.20324	.40295	10.191	9.8254	.20366
#2	.20079	.19382	.20303	.40788	10.144	9.8001	.20257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000	.23000	.23000	.46000	11.500	11.500	.23000
Low	.17000	.17000	.17000	.34000	8.5000	8.5000	.17000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20028	9.6489	.19750	.20019	.20067	.20051	.20585
SDev	.00031	.1534	.00042	.00295	.00102	.00166	.00168
%RSD	.15426	1.5898	.21072	1.4746	.50899	.83004	.81360
#1	.20050	9.7574	.19721	.20228	.20139	.20169	.20704
#2	.20006	9.5405	.19780	.19810	.19994	.19933	.20467
Errors	NOCHECK	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High		11.500	.23000			.23000	.23000
Low		8.5000	.17000			.17000	.17000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20319	.21085	.20336	.20042	.20052	.19976	.19790
SDev	.00074	.00062	.00220	.00018	.00105	.00017	.00096
%RSD	.36340	.29555	1.0822	.09064	.52472	.08344	.48279
#1	.20267	.21129	.20491	.20055	.19978	.19987	.19857
#2	.20371	.21041	.20180	.20029	.20127	.19964	.19722
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.23000			.23000	.23000	.23000	.23000
Low	.17000			.17000	.17000	.17000	.17000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.19661	.04517
SDev	.00243	.00036
%RSD	1.2365	.79145
#1	.19833	.04492
#2	.19489	.04542
Errors	LC Pass	LC Pass
High	.23000	.05750
Low	.17000	.04250

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3933	--	--	--	--	--	--
SDev	12.72792	--	--	--	--	--	--
%RSD	.3236125	--	--	--	--	--	--
#1	3924	--	--	--	--	--	--
#2	3942	--	--	--	--	--	--

Analysis Report 08/17/04 01:45:01 PM page 1

Method: TRACE2 Sample Name: AD442085/(1:5) Operator: SW
Run Time: 08/17/04 13:40:42
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01716	-.00086	.05625	.01379	-.00031	83.353	-.00041
SDev	.00053	.00239	.00008	.00002	.00001	.028	.00003
%RSD	3.0868	276.84	.14026	.16433	3.4809	.03337	7.1942
#1	.01679	-.00256	.05631	.01378	-.00031	83.373	-.00043
#2	.01754	.00083	.05620	.01381	-.00032	83.334	-.00039
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	-.00044	-.00178	.81966	12.811	20.470	.21973
SDev	.00037	.00031	.00022	.00981	.016	.032	.00016
%RSD	75.594	69.498	12.275	1.1965	.12823	.15431	.07494
#1	-.00074	-.00066	-.00193	.82660	12.822	20.492	.21985
#2	-.00023	-.00022	-.00162	.81273	12.799	20.447	.21961
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00009	5.1451	.00012	.00048	-.00153	-.00087	.00131
SDev	.00015	.0845	.00074	.00298	.00091	.00039	.00265
%RSD	175.97	1.6418	622.49	625.61	59.243	44.504	202.79
#1	-.00019	5.0854	-.00041	.00258	-.00218	-.00059	-.00057
#2	.00002	5.2048	.00064	-.00163	-.00089	-.00114	.00318
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00272	.00179	.00106	-.00049	.00050	-.00073	.00108
SDev	.00135	.00255	.00270	.00011	.00112	.00012	.00011
%RSD	49.419	142.73	253.29	23.084	226.37	16.521	10.110
#1	-.00367	-.00002	-.00084	-.00041	-.00030	-.00082	.00115
#2	-.00177	.00360	.00297	-.00057	.00129	-.00064	.00100
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00011	-.00056
SDev	.00076	.00031
%RSD	698.66	54.908
#1	.00043	-.00034
#2	-.00064	-.00077
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3931	--	--	--	--	--	--
SDev	7.954951	--	--	--	--	--	--
%RSD	.2023813	--	--	--	--	--	--
#1	3925	--	--	--	--	--	--
#2	3936	--	--	--	--	--	--

Analysis Report 08/17/04 01:49:25 PM page 1

Method: TRACE2 Sample Name: AD442085/L (1:25) Operator: SW
Run Time: 08/17/04 13:45:05
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00498	.00070	.00993	.00249	-.00043	17.354	-.00046
SDev	.00151	.00088	.00113	.00005	.00000	.001	.00002
%RSD	30.357	124.75	11.433	2.1687	.19057	.00463	4.8333
#1	.00605	.00132	.01073	.00253	-.00043	17.353	-.00044
#2	.00391	.00008	.00912	.00245	-.00043	17.355	-.00047
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00078	-.00059	-.00263	.15924	2.6074	4.1443	.04413
SDev	.00017	.00002	.00048	.00445	.0019	.0157	.00028
%RSD	21.323	3.2995	18.100	2.7926	.07368	.37941	.63989
#1	-.00067	-.00058	-.00230	.16239	2.6088	4.1554	.04433
#2	-.00090	-.00061	-.00297	.15610	2.6060	4.1332	.04393
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00013	.89280	-.00058	-.00116	-.00019	-.00051	-.00120
SDev	.00008	.12910	.00019	.00291	.00166	.00014	.00177
%RSD	66.604	14.460	33.595	250.31	886.74	26.643	148.22
#1	-.00018	.80151	-.00044	-.00322	.00098	-.00042	.00006
#2	-.00007	.98409	-.00072	.00089	-.00136	-.00061	-.00245
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00076	.00035	-.00197	-.00056	-.00280	-.00043	.00015
SDev	.00236	.00544	.00538	.00004	.00252	.00030	.00010
%RSD	311.36	1551.8	273.18	7.3032	89.938	69.995	69.986
#1	-.00242	-.00350	.00183	-.00058	-.00458	-.00021	.00007
#2	.00091	.00420	-.00577	-.00053	-.00102	-.00064	.00022
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00119	-.00036
SDev	.00099	.00014
%RSD	83.242	38.544
#1	.00049	-.00026
#2	.00189	-.00046
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3988	--	--	--	--	--	--
SDev	4.189642	--	--	--	--	--	--
%RSD	.1050598	--	--	--	--	--	--
#1	3985	--	--	--	--	--	--
#2	3991	--	--	--	--	--	--

Analysis Report 08/17/04 01:53:48 PM page 1

Method: TRACE2 Sample Name: AD442085/PS (1:5) Operator: SW
Run Time: 08/17/04 13:49:28
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.8832	.20586	.25541	.22186	.19862	91.104	.19531
SDev	.0082	.00142	.00066	.00032	.00010	.129	.00023
%RSD	.08294	.68790	.25773	.14235	.04803	.14205	.11614
#1	9.8890	.20687	.25587	.22208	.19869	91.196	.19547
#2	9.8774	.20486	.25494	.22164	.19855	91.013	.19515
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19365	.19229	.20868	1.1631	22.533	29.235	.40626
SDev	.00014	.00066	.00044	.0030	.000	.022	.00018
%RSD	.07436	.34108	.21108	.26041	.00162	.07401	.04350
#1	.19375	.19275	.20899	1.1652	22.533	29.251	.40639
#2	.19355	.19182	.20836	1.1610	22.533	29.220	.40614
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.19638	15.218	.20187	.19131	.19998	.19709	.19938
SDev	.00051	.007	.00099	.00170	.00174	.00172	.00189
%RSD	.26098	.04806	.49073	.88794	.86911	.87519	.94624
#1	.19674	15.224	.20257	.19251	.20121	.19831	.20072
#2	.19601	15.213	.20117	.19011	.19875	.19587	.19805
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20801	.20058	.19879	.21004	.20811	.19673	.19248
SDev	.00097	.00210	.00178	.00030	.00505	.00048	.00020
%RSD	.46789	1.0475	.89513	.14155	2.4254	.24230	.10428
#1	.20870	.20206	.20005	.21025	.20454	.19706	.19263
#2	.20732	.19909	.19753	.20983	.21168	.19639	.19234
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.18659	.04907
SDev	.00000	.00033
%RSD	.00088	.66455
#1	.18659	.04930
#2	.18659	.04884
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3972	--	--	--	--	--	--
SDev	8.379285	--	--	--	--	--	--
%RSD	.2109668	--	--	--	--	--	--
#1	3966	--	--	--	--	--	--
#2	3978	--	--	--	--	--	--

Analysis Report 08/17/04 01:58:12 PM page 1

Method: TRACE2 Sample Name: AD442087/(1:5) Operator: SW
Run Time: 08/17/04 13:53:52
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01059	.00063	.15537	.00290	-.00032	92.768	-.00035
SDev	.00333	.00023	.00013	.00004	.00000	.021	.00008
%RSD	31.405	36.803	.08613	1.3255	.83972	.02287	23.999
#1	.01294	.00080	.15527	.00287	-.00033	92.783	-.00041
#2	.00824	.00047	.15546	.00293	-.00032	92.753	-.00029
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	-.00036	-.00139	.02806	.97770	18.698	.02495
SDev	.00047	.00029	.00051	.01050	.00213	.175	.00028
%RSD	191.35	79.477	36.595	37.421	.21807	.93745	1.1137
#1	.00009	-.00016	-.00175	.02063	.97620	18.574	.02475
#2	-.00057	-.00057	-.00103	.03548	.97921	18.822	.02514
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00002	14.047	-.00032	-.00185	-.00075	-.00111	.00165
SDev	.00010	.044	.00007	.00286	.00018	.00107	.00122
%RSD	436.96	.31285	20.837	154.81	24.196	96.400	73.691
#1	.00005	14.078	-.00027	.00017	-.00062	-.00035	.00079
#2	-.00009	14.016	-.00037	-.00387	-.00087	-.00187	.00251
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00299	.00433	.00032	-.00069	-.00096	-.00024	.00027
SDev	.00073	.00100	.00133	.00001	.00045	.00018	.00016
%RSD	24.348	23.214	418.84	2.0797	47.339	74.980	59.761
#1	-.00351	.00362	-.00062	-.00070	-.00064	-.00011	.00016
#2	-.00248	.00504	.00125	-.00068	-.00128	-.00037	.00039
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00039	-.00022
SDev	.00095	.00064
%RSD	243.99	286.78
#1	-.00028	.00023
#2	.00106	-.00067
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3901	--	--	--	--	--	--
SDev	12.19759	--	--	--	--	--	--
%RSD	.3127167	--	--	--	--	--	--
#1	3909	--	--	--	--	--	--
#2	3892	--	--	--	--	--	--

Analysis Report 08/17/04 02:02:36 PM page 1

Method: TRACE2 Sample Name: AD442092/(1:5) Operator: SW
Run Time: 08/17/04 13:58:15
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00534	-.00174	.03918	.00281	-.00033	99.006	-.00036
SDev	.00269	.00006	.00080	.00003	.00001	.192	.00008
%RSD	50.367	3.3040	2.0481	1.1387	2.4501	.19434	21.928
#1	.00724	-.00169	.03974	.00278	-.00032	99.142	-.00042
#2	.00344	-.00178	.03861	.00283	-.00034	98.870	-.00031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00090	-.00081	-.00018	.18392	.45874	8.1536	.00436
SDev	.00020	.00002	.00043	.00195	.00493	.0361	.00003
%RSD	22.559	2.2403	237.64	1.0597	1.0755	.44235	.79300
#1	-.00104	-.00082	.00012	.18529	.46223	8.1791	.00439
#2	-.00075	-.00080	-.00049	.18254	.45525	8.1281	.00434
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00097	2.7339	-.00089	-.00111	-.00065	-.00080	-.00114
SDev	.00036	.0925	.00006	.00010	.00146	.00094	.00251
%RSD	36.943	3.3848	6.7403	9.3324	225.04	117.05	219.11
#1	-.00072	2.6684	-.00084	-.00119	.00038	-.00014	.00063
#2	-.00122	2.7993	-.00093	-.00104	-.00168	-.00147	-.00292
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00287	.00108	-.00225	-.00073	-.00389	-.00050	.00169
SDev	.00201	.00131	.00442	.00003	.00007	.00006	.00001
%RSD	70.167	122.31	196.02	4.6629	1.7207	12.794	.59563
#1	-.00429	.00015	.00087	-.00075	-.00384	-.00045	.00170
#2	-.00144	.00201	-.00538	-.00070	-.00393	-.00054	.00168
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00119	-.00024
SDev	.00013	.00018
%RSD	11.344	75.535
#1	-.00128	-.00011
#2	-.00109	-.00037
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3844	--	--	--	--	--	--
SDev	15.96290	--	--	--	--	--	--
%RSD	.4152828	--	--	--	--	--	--
#1	3833	--	--	--	--	--	--
#2	3855	--	--	--	--	--	--

Analysis Report 08/17/04 02:06:59 PM page 1

Method: TRACE2 Sample Name: AD442099/(1:10) Operator: SW
Run Time: 08/17/04 14:02:39
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04906	.00045	.29994	.01819	-.00043	28.158	-.00052
SDev	.00013	.00016	.00225	.00004	.00001	.010	.00004
%RSD	.25840	35.304	.75028	.23143	1.2537	.03380	8.2617
#1	.04914	.00034	.30153	.01822	-.00042	28.165	-.00055
#2	.04897	.00056	.29835	.01816	-.00043	28.151	-.00049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00009	.00182	-.00170	.07536	18.139	16.960	.05099
SDev	.00005	.00017	.00022	.00131	.063	.052	.00040
%RSD	55.693	9.5386	13.060	1.7400	.34529	.30384	.78136
#1	.00005	.00195	-.00155	.07444	18.183	16.997	.05127
#2	.00012	.00170	-.00186	.07629	18.095	16.924	.05071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00072	49.734	.00475	-.00085	-.00014	-.00037	-.00264
SDev	.00044	.057	.00043	.00155	.00003	.00054	.00013
%RSD	60.457	.11428	9.0782	183.86	20.340	143.11	4.8908
#1	-.00103	49.694	.00505	-.00194	-.00016	-.00075	-.00273
#2	-.00041	49.774	.00444	.00025	-.00012	.00000	-.00255
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00484	-.00167	-.00312	.00278	.00009	.00100	.00397
SDev	.00322	.00120	.00041	.00001	.00019	.00025	.00007
%RSD	66.562	71.988	13.060	.19305	213.45	24.901	1.7145
#1	-.00712	-.00252	-.00283	.00278	.00022	.00117	.00402
#2	-.00256	-.00082	-.00341	.00278	-.00004	.00082	.00392
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00039	-.00079
SDev	.00047	.00005
%RSD	120.46	6.0379
#1	.00072	-.00083
#2	.00006	-.00076
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3918	--	--	--	--	--	--
SDev	13.15226	--	--	--	--	--	--
%RSD	.3356815	--	--	--	--	--	--
#1	3909	--	--	--	--	--	--
#2	3927	--	--	--	--	--	--

Analysis Report 08/17/04 02:11:22 PM page 1

Method: TRACE2 Sample Name: AD442094/(1:50) Operator: SW
Run Time: 08/17/04 14:07:02
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01928	.00016	.16673	.00805	-.00050	1.4925	-.00054
SDev	.00032	.00200	.00021	.00005	.00000	.0051	.00006
%RSD	1.6825	1247.3	.12769	.56354	.36037	.34108	11.573
#1	.01951	-.00125	.16657	.00802	-.00050	1.4961	-.00050
#2	.01905	.00157	.16688	.00808	-.00050	1.4889	-.00058
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00053	.00077	-.00292	.09800	9.1330	4.6628	.00064
SDev	.00005	.00010	.00049	.00161	.0106	.0089	.00003
%RSD	9.0340	12.243	16.668	1.6401	.11595	.19069	4.2510
#1	-.00056	.00071	-.00258	.09686	9.1405	4.6691	.00066
#2	-.00049	.00084	-.00327	.09913	9.1256	4.6565	.00062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00098	25.325	.00115	-.00143	.00056	-.00010	-.00179
SDev	.00003	.057	.00024	.00016	.00069	.00052	.00209
%RSD	2.5799	.22445	21.138	11.123	124.29	492.39	116.52
#1	-.00096	25.365	.00098	-.00132	.00105	.00026	-.00032
#2	-.00100	25.285	.00133	-.00155	.00007	-.00047	-.00327
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00396	-.00139	-.00199	.00183	-.00129	.00020	.00061
SDev	.00100	.00372	.00127	.00015	.00264	.00036	.00015
%RSD	25.341	267.82	63.681	8.2295	205.60	177.07	25.297
#1	-.00325	.00124	-.00109	.00172	-.00316	-.00005	.00050
#2	-.00467	-.00402	-.00289	.00194	.00058	.00045	.00072
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00141	-.00094
SDev	.00010	.00017
%RSD	7.3737	18.360
#1	-.00134	-.00106
#2	-.00148	-.00082
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4008	--	--	--	--	--	--
SDev	.6893255	--	--	--	--	--	--
%RSD	.0171999	--	--	--	--	--	--
#1	4008	--	--	--	--	--	--
#2	4007	--	--	--	--	--	--

Analysis Report 08/17/04 02:15:45 PM page 1

Method: TRACE2 Sample Name: AD442095/(1:50) Operator: SW
Run Time: 08/17/04 14:11:25
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00782	.00078	.15599	.00788	-.00050	1.4588	-.00054
SDev	.00011	.00244	.00056	.00003	.00001	.0040	.00011
%RSD	1.4048	313.61	.35818	.43470	1.3121	.27764	20.708
#1	.00774	-.00095	.15560	.00785	-.00049	1.4617	-.00046
#2	.00790	.00250	.15639	.00790	-.00050	1.4560	-.00062
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00063	.00041	-.00291	.07758	9.1089	4.6354	.00054
SDev	.00024	.00002	.00010	.00250	.0139	.0059	.00001
%RSD	38.085	5.2859	3.5543	3.2289	.15239	.12780	2.2353
#1	-.00046	.00039	-.00283	.07935	9.0990	4.6396	.00055
#2	-.00080	.00042	-.00298	.07581	9.1187	4.6313	.00053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00066	25.419	.00138	.00026	-.00125	-.00075	.00015
SDev	.00023	.146	.00024	.00124	.00067	.00003	.00041
%RSD	35.227	.57444	17.139	472.87	53.271	4.1560	272.77
#1	-.00082	25.522	.00121	.00114	-.00172	-.00077	.00044
#2	-.00050	25.316	.00155	-.00062	-.00078	-.00073	-.00014
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00305	.00081	-.00018	.00177	-.00124	.00008	.00007
SDev	.00130	.00270	.00196	.00007	.00023	.00018	.00010
%RSD	42.667	332.24	1067.7	4.2571	18.315	217.82	147.68
#1	-.00213	-.00110	.00120	.00171	-.00140	.00021	.00014
#2	-.00397	.00273	-.00157	.00182	-.00108	-.00004	-.00000
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00162	-.00105
SDev	.00031	.00019
%RSD	19.063	17.735
#1	-.00184	-.00092
#2	-.00140	-.00118
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3984	--	--	--	--	--	--
SDev	6.576128	--	--	--	--	--	--
%RSD	.1650634	--	--	--	--	--	--
#1	3989	--	--	--	--	--	--
#2	3979	--	--	--	--	--	--

Analysis Report 08/17/04 02:20:08 PM page 1

Method: TRACE2 Sample Name: AD442096/(1:50) Operator: SW
Run Time: 08/17/04 14:15:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00120	-.00056	.18768	.00698	-.00043	1.3340	-.00050
SDev	.00184	.00099	.00080	.00006	.00001	.0029	.00004
%RSD	152.51	175.68	.42375	.83067	3.2748	.21572	7.6950
#1	.00009	.00014	.18824	.00702	-.00042	1.3360	-.00047
#2	-.00250	-.00126	.18711	.00694	-.00044	1.3319	-.00053
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00000	.00072	-.00150	.02123	10.547	2.6512	.00125
SDev	.00012	.00035	.00045	.00626	.037	.0122	.00005
%RSD	12331.	49.080	29.631	29.496	.35019	.45928	4.2957
#1	.00009	.00097	-.00119	.02565	10.573	2.6598	.00129
#2	-.00009	.00047	-.00182	.01680	10.520	2.6426	.00121
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00102	34.381	.00412	-.00032	-.00071	-.00058	-.00008
SDev	.00027	.003	.00001	.00131	.00090	.00104	.00045
%RSD	26.336	.00810	.12470	413.39	127.70	179.94	554.98
#1	-.00083	34.380	.00412	-.00124	-.00134	-.00131	.00024
#2	-.00121	34.383	.00411	.00061	-.00007	.00016	-.00040
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00137	-.00001	-.00011	.00053	-.00353	-.00045	.00094
SDev	.00022	.00002	.00069	.00019	.00068	.00025	.00006
%RSD	15.845	170.29	600.83	35.549	19.303	54.277	6.7179
#1	-.00122	-.00003	.00037	.00066	-.00305	-.00028	.00099
#2	-.00153	.00000	-.00060	.00040	-.00402	-.00063	.00090
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00172	-.00053
SDev	.00126	.00058
%RSD	73.423	110.00
#1	.00083	-.00012
#2	.00261	-.00094
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3891	--	--	--	--	--	--
SDev	24.66035	--	--	--	--	--	--
%RSD	.6337120	--	--	--	--	--	--
#1	3874	--	--	--	--	--	--
#2	3909	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 02:25:51 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/17/04 14:21:31
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.396	.48260	.46212	.49749	.48417	24.745	.48446
SDev	.039	.00003	.00058	.00053	.00087	.009	.00010
%RSD	.16058	.00558	.12641	.10613	.17879	.03644	.02061
#1	24.424	.48258	.46253	.49786	.48479	24.751	.48453
#2	24.369	.48262	.46171	.49712	.48356	24.739	.48439
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47163	.45697	.51847	23.660	24.317	23.410	.48062
SDev	.00151	.00139	.00030	.086	.021	.051	.00135
%RSD	.31937	.30421	.05772	.36537	.08812	.21741	.28029
#1	.47269	.45796	.51868	23.722	24.332	23.446	.48157
#2	.47056	.45599	.51826	23.599	24.302	23.374	.47966
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.47157	24.119	.50638	.47294	.49513	.48774	.48793
SDev	.00128	.038	.00111	.00360	.00378	.00372	.00467
%RSD	.27138	.15549	.21825	.76144	.76391	.76311	.95642
#1	.47247	24.093	.50559	.47548	.49780	.49037	.49123
#2	.47066	24.146	.50716	.47039	.49245	.48511	.48463
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49619	.48502	.48939	.50144	.49350	.47403	.46974
SDev	.00006	.00204	.00598	.00035	.00451	.00096	.00136
%RSD	.01181	.42119	1.2217	.06948	.91488	.20329	.28846
#1	.49615	.48647	.49362	.50169	.49670	.47471	.47070
#2	.49623	.48358	.48516	.50120	.49031	.47334	.46879
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.47517	.48756
SDev	.00052	.00091
%RSD	.10968	.18688
#1	.47554	.48820
#2	.47480	.48691
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3973	--	--	--	--	--	--
SDev	17.55389	--	--	--	--	--	--
%RSD	.4418115	--	--	--	--	--	--
#1	3961	--	--	--	--	--	--
#2	3986	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 02:30:15 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/17/04 14:25:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00841	-.00003	-.00120	-.00034	-.00035	-.00008	-.00035
SDev	.00053	.00046	.00029	.00010	.00001	.00126	.00002
%RSD	6.3393	1493.9	24.121	28.793	2.0375	1649.7	5.2958
#1	.00878	-.00035	-.00100	-.00027	-.00035	.00082	-.00033
#2	.00803	.00029	-.00141	-.00041	-.00036	-.00097	-.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	-.00064	-.00299	-.00293	-.01532	.00276	-.00026
SDev	.00005	.00049	.00030	.00532	.01924	.00102	.00001
%RSD	7.0332	76.079	10.147	181.71	125.60	36.774	5.4739
#1	-.00073	-.00030	-.00277	.00083	-.00171	.00348	-.00025
#2	-.00066	-.00099	-.00320	-.00669	-.02893	.00204	-.00027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00066	-.14088	-.00045	-.00034	.00054	.00025	-.00107
SDev	.00000	.09010	.00006	.00172	.00163	.00052	.00012
%RSD	.61098	63.958	12.346	510.84	301.08	207.10	10.800
#1	-.00065	-.07717	-.00041	-.00155	.00170	.00062	-.00098
#2	-.00066	-.20459	-.00049	.00088	-.00061	-.00012	-.00115
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00178	-.00332	.00006	-.00051	-.00000	-.00034	-.00030
SDev	.00073	.00141	.00088	.00019	.00095	.00006	.00010
%RSD	41.019	42.474	1431.7	37.828	32232.	16.613	33.987
#1	-.00126	-.00432	.00068	-.00037	-.00068	-.00039	-.00023
#2	-.00230	-.00232	-.00056	-.00064	.00067	-.00030	-.00038
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00140	-.00046
SDev	.00003	.00025
%RSD	1.9075	54.470
#1	.00142	-.00064
#2	.00138	-.00028
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4032	--	--	--	--	--	--
SDev	12.46276	--	--	--	--	--	--
%RSD	.3091335	--	--	--	--	--	--
#1	4023	--	--	--	--	--	--
#2	4040	--	--	--	--	--	--

Analysis Report 08/17/04 02:34:38 PM page 1

Method: TRACE2 Sample Name: AD442097/(1:50) Operator: SW
Run Time: 08/17/04 14:30:18
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00551	.00068	.15135	.00824	-.00042	1.4967	-.00037
SDev	.00183	.00022	.00088	.00003	.00002	.0033	.00005
%RSD	33.191	32.130	.58108	.33578	4.6998	.22332	14.747
#1	.00422	.00052	.15073	.00826	-.00040	1.4991	-.00033
#2	.00680	.00083	.15197	.00822	-.00043	1.4944	-.00041
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00048	.00026	-.00297	.07440	9.1392	4.6979	.00072
SDev	.00041	.00018	.00024	.00653	.0027	.0020	.00004
%RSD	85.249	70.539	8.2382	8.7746	.02919	.04262	5.5669
#1	-.00077	.00039	-.00280	.07902	9.1411	4.6965	.00069
#2	-.00019	.00013	-.00314	.06979	9.1373	4.6993	.00075
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00055	25.611	.00126	-.00081	-.00156	-.00131	-.00112
SDev	.00006	.183	.00073	.00015	.00093	.00067	.00196
%RSD	11.232	.71412	57.800	18.501	59.690	51.221	174.86
#1	-.00050	25.482	.00074	-.00070	-.00090	-.00083	-.00251
#2	-.00059	25.740	.00177	-.00091	-.00221	-.00178	.00027
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00158	.00073	-.00205	.00207	-.00009	.00063	.00029
SDev	.00120	.00476	.00057	.00012	.00093	.00000	.00011
%RSD	75.467	656.21	27.618	5.7782	1018.8	.27755	36.091
#1	-.00074	-.00264	-.00245	.00215	.00057	.00063	.00036
#2	-.00243	.00409	-.00165	.00198	-.00075	.00063	.00022
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00066	-.00057
SDev	.00030	.00013
%RSD	45.089	22.572
#1	-.00087	-.00066
#2	-.00045	-.00048
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3975	--	--	--	--	--	--
SDev	4.826142	--	--	--	--	--	--
%RSD	.1214250	--	--	--	--	--	--
#1	3971	--	--	--	--	--	--
#2	3978	--	--	--	--	--	--

Analysis Report 08/17/04 02:39:01 PM page 1

Method: TRACE2 Sample Name: AD442098/(1:10) Operator: SW
Run Time: 08/17/04 14:34:41
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00320	.28114	.05592	-.00037	25.638	-.00040
SDev	.00306	.00025	.00084	.00012	.00001	.037	.00002
%RSD	2789.5	7.8673	.29841	.21870	1.4817	.14366	5.9959
#1	.00227	.00338	.28055	.05583	-.00038	25.612	-.00042
#2	-.00205	.00302	.28174	.05600	-.00037	25.665	-.00038
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00052	.00178	-.00103	2.1535	13.810	17.569	.00626
SDev	.00027	.00022	.00026	.0105	.049	.066	.00005
%RSD	52.219	12.518	24.825	.48986	.35697	.37305	.80064
#1	-.00033	.00193	-.00085	2.1460	13.775	17.523	.00622
#2	-.00072	.00162	-.00121	2.1609	13.845	17.615	.00629
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	41.363	.00525	-.00235	-.00040	-.00105	-.00097
SDev	.00038	.059	.00055	.00137	.00021	.00031	.00346
%RSD	54.731	.14169	10.384	58.059	53.893	29.666	355.03
#1	-.00042	41.322	.00486	-.00139	-.00055	-.00083	-.00342
#2	-.00096	41.405	.00563	-.00332	-.00025	-.00127	.00147
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00262	-.00400	.00054	.00118	-.00066	.00025	.00396
SDev	.00206	.00483	.00278	.00005	.00256	.00018	.00031
%RSD	78.505	120.82	517.62	4.5589	385.45	73.700	7.9321
#1	-.00117	-.00741	-.00143	.00114	-.00247	.00038	.00418
#2	-.00408	-.00058	.00250	.00122	.00114	.00012	.00374
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00035	-.00048
SDev	.00020	.00013
%RSD	56.069	27.482
#1	-.00021	-.00039
#2	-.00049	-.00057
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3852	--	--	--	--	--	--
SDev	4.030474	--	--	--	--	--	--
%RSD	.1046312	--	--	--	--	--	--
#1	3855	--	--	--	--	--	--
#2	3849	--	--	--	--	--	--

Analysis Report 08/17/04 02:43:24 PM page 1

Method: TRACE2 Sample Name: AD442142/(1:5) Operator: SW
Run Time: 08/17/04 14:39:04
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00244	-.00241	.04312	.01712	-.00043	6.9690	-.00055
SDev	.00179	.00086	.00118	.00007	.00001	.0129	.00011
%RSD	73.351	35.775	2.7317	.42157	2.1291	.18563	20.698
#1	-.00117	-.00302	.04395	.01717	-.00043	6.9781	-.00047
#2	-.00370	-.00180	.04228	.01707	-.00044	6.9598	-.00063
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00050	-.00075	-.00223	.27629	.54795	2.5457	.89894
SDev	.00049	.00035	.00020	.01843	.00588	.0092	.00339
%RSD	97.136	46.218	9.0003	6.6710	1.0739	.36123	.37730
#1	-.00016	-.00051	-.00209	.28932	.55212	2.5522	.90134
#2	-.00084	-.00100	-.00237	.26325	.54379	2.5392	.89654
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	20.622	.00022	-.00147	-.00092	-.00111	-.00039
SDev	.00018	.177	.00026	.00158	.00060	.00093	.00016
%RSD	41.584	.85836	119.27	107.44	64.907	83.717	42.416
#1	.00057	20.747	.00040	-.00258	-.00135	-.00176	-.00027
#2	.00031	20.497	.00003	-.00035	-.00050	-.00045	-.00050
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00267	-.00102	-.00007	-.00043	-.00002	-.00042	.00179
SDev	.00044	.00242	.00146	.00005	.00296	.00030	.00043
%RSD	16.542	238.33	2033.9	10.916	17187.	72.061	23.936
#1	.00236	-.00273	.00096	-.00046	.00207	-.00021	.00209
#2	.00299	.00070	-.00110	-.00039	-.00211	-.00063	.00148
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00056	.00002
SDev	.00134	.00014
%RSD	238.12	580.89
#1	-.00038	-.00007
#2	.00151	.00012
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3934	--	--	--	--	--	--
SDev	15.32640	--	--	--	--	--	--
%RSD	.3895796	--	--	--	--	--	--
#1	3923	--	--	--	--	--	--
#2	3945	--	--	--	--	--	--

Analysis Report 08/17/04 02:47:47 PM page 1

Method: TRACE2 Sample Name: AD442145/(1:5) Operator: SW
Run Time: 08/17/04 14:43:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00085	-.00116	.36028	.07864	-.00047	18.635	-.00049
SDev	.00339	.00048	.00090	.00031	.00003	.076	.00007
%RSD	399.52	41.370	.25060	.38923	6.8080	.41018	14.681
#1	.00155	-.00151	.36091	.07885	-.00045	18.689	-.00044
#2	-.00325	-.00082	.35964	.07842	-.00050	18.580	-.00054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00036	-.00136	-.00285	11.334	10.752	6.8290	2.4062
SDev	.00057	.00044	.00070	.064	.044	.0425	.0151
%RSD	160.21	32.613	24.682	.56724	.41318	.62242	.62729
#1	.00005	-.00104	-.00235	11.379	10.784	6.8590	2.4169
#2	-.00076	-.00167	-.00335	11.288	10.721	6.7989	2.3956
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00069	65.204	.00382	-.00047	-.00072	-.00064	.00241
SDev	.00059	.206	.00020	.00017	.00032	.00027	.00158
%RSD	85.524	.31562	5.3351	35.611	43.801	41.794	65.283
#1	-.00027	65.350	.00396	-.00059	-.00094	-.00082	.00130
#2	-.00111	65.059	.00367	-.00035	-.00050	-.00045	.00353
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00169	.00841	-.00058	.00003	-.00611	-.00022	.00365
SDev	.00101	.00121	.00176	.00012	.00006	.00007	.00014
%RSD	59.548	14.393	301.39	471.14	.95060	30.683	3.8008
#1	-.00098	.00756	-.00183	.00011	-.00607	-.00017	.00375
#2	-.00240	.00927	.00066	-.00006	-.00615	-.00026	.00356
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00161	-.00051
SDev	.00149	.00044
%RSD	92.845	86.945
#1	.00266	-.00020
#2	.00055	-.00082
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3991	--	--	--	--	--	--
SDev	34.57745	--	--	--	--	--	--
%RSD	.8663911	--	--	--	--	--	--
#1	3967	--	--	--	--	--	--
#2	4015	--	--	--	--	--	--

Analysis Report 08/17/04 02:52:10 PM page 1

Method: TRACE2 Sample Name: AD442126/(1:5) Operator: SW
Run Time: 08/17/04 14:47:50
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02256	-.00140	.04631	.01516	-.00047	30.008	-.00049
SDev	.00032	.00093	.00032	.00008	.00000	.084	.00001
%RSD	1.4207	66.748	.67966	.51808	.98274	.28124	2.4326
#1	.02233	-.00074	.04609	.01521	-.00046	30.067	-.00050
#2	.02278	-.00206	.04653	.01510	-.00047	29.948	-.00048
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00057	-.00064	-.00357	-.00043	4.1354	.09300	.00104
SDev	.00015	.00003	.00027	.00110	.0047	.00069	.00004
%RSD	25.638	4.5797	7.5600	253.64	.11449	.74046	4.2503
#1	-.00067	-.00062	-.00376	.00034	4.1320	.09349	.00107
#2	-.00046	-.00066	-.00338	-.00121	4.1387	.09252	.00101
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00044	61.092	-.00041	-.00012	-.00117	-.00082	-.00059
SDev	.00018	.189	.00026	.00065	.00061	.00019	.00140
%RSD	39.689	.30887	62.938	542.09	51.682	22.668	236.67
#1	.00032	61.225	-.00060	-.00058	-.00074	-.00069	.00040
#2	.00057	60.959	-.00023	.00034	-.00160	-.00095	-.00158
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00125	.00231	-.00204	-.00048	.00079	-.00029	.00164
SDev	.00090	.00095	.00258	.00017	.00109	.00048	.00006
%RSD	72.038	41.061	126.15	34.475	138.65	161.83	3.3791
#1	-.00189	.00164	-.00022	-.00036	.00156	-.00063	.00168
#2	-.00062	.00298	-.00387	-.00060	.00002	.00004	.00160
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00088	-.00044
SDev	.00012	.00006
%RSD	13.274	13.305
#1	.00080	-.00048
#2	.00096	-.00039
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3975	--	--	--	--	--	--
SDev	6.098796	--	--	--	--	--	--
%RSD	.1534361	--	--	--	--	--	--
#1	3971	--	--	--	--	--	--
#2	3979	--	--	--	--	--	--

Analysis Report 08/17/04 02:56:34 PM page 1

Method: TRACE2 Sample Name: AD442120/(1:10) Operator: SW
Run Time: 08/17/04 14:52:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1998	-.00035	.00363	.00281	-.00049	3.6433	-.00039
SDev	.0054	.00167	.00077	.00004	.00000	.0016	.00005
%RSD	.24609	482.94	21.344	1.3283	.42878	.04260	13.258
#1	2.1960	-.00153	.00308	.00278	-.00049	3.6444	-.00043
#2	2.2037	.00083	.00418	.00283	-.00048	3.6422	-.00036
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00024	.01619	.00568	23.465	.96480	.80687	.15214
SDev	.00012	.00007	.00018	.171	.00053	.00528	.00127
%RSD	51.050	.41941	3.2617	.73066	.05472	.65466	.83539
#1	-.00015	.01624	.00555	23.344	.96517	.80313	.15124
#2	-.00032	.01614	.00582	23.586	.96442	.81060	.15304
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00128	1.8572	.02276	.00395	.00411	.00406	-.00125
SDev	.00001	.0366	.00021	.00310	.00176	.00014	.00295
%RSD	.68398	1.9683	.93663	78.389	42.799	3.5346	236.50
#1	.00129	1.8830	.02261	.00176	.00536	.00416	-.00334
#2	.00128	1.8313	.02291	.00614	.00287	.00396	.00084
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00192	.00113	-.00244	.00145	-.00083	-.00018	4.0873
SDev	.00143	.00786	.00050	.00003	.00083	.00006	.0283
%RSD	74.815	696.68	20.417	2.1902	99.733	30.733	.69124
#1	-.00293	-.00443	-.00279	.00147	-.00142	-.00022	4.0673
#2	-.00090	.00669	-.00209	.00142	-.00024	-.00014	4.1072
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00101	-.00061
SDev	.00160	.00056
%RSD	158.26	92.088
#1	.00214	-.00021
#2	-.00012	-.00100
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3966	--	--	--	--	--	--
SDev	.2651650	--	--	--	--	--	--
%RSD	.0066851	--	--	--	--	--	--
#1	3966	--	--	--	--	--	--
#2	3967	--	--	--	--	--	--

Analysis Report 08/17/04 03:00:58 PM page 1

Method: TRACE2 Sample Name: AD442122/(1:10) Operator: SW
Run Time: 08/17/04 14:56:37
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.2375	.00023	.00413	.00250	-.00044	3.6031	-.00027
SDev	.0036	.00038	.00009	.00002	.00000	.0021	.00001
%RSD	.11069	165.92	2.2736	.93302	1.0741	.05945	5.0008
#1	3.2400	.00049	.00420	.00251	-.00045	3.6046	-.00026
#2	3.2350	-.00004	.00407	.00248	-.00044	3.6016	-.00028
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00005	.01439	.00506	23.165	1.1377	.83305	.13899
SDev	.00015	.00002	.00002	.157	.0172	.00274	.00069
%RSD	314.22	.13362	.43518	.67897	1.5121	.32837	.49590
#1	-.00015	.01437	.00504	23.276	1.1256	.83499	.13948
#2	.00006	.01440	.00507	23.054	1.1499	.83112	.13850
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00138	2.0104	.00587	.00099	.00159	.00139	-.00012
SDev	.00026	.0444	.00026	.00081	.00013	.00036	.00329
%RSD	18.484	2.2066	4.4440	81.960	8.4234	25.920	2733.4
#1	.00156	2.0418	.00605	.00157	.00168	.00164	-.00245
#2	.00120	1.9790	.00568	.00042	.00149	.00113	.00221
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00381	.00006	-.00021	.00178	-.00250	.00002	2.2362
SDev	.00218	.00630	.00179	.00010	.00011	.00006	.0100
%RSD	57.241	9855.4	841.20	5.4820	4.4385	367.19	.44568
#1	-.00535	-.00439	-.00148	.00185	-.00242	.00006	2.2432
#2	-.00227	.00452	.00105	.00171	-.00257	-.00003	2.2291
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00004	-.00080
SDev	.00079	.00034
%RSD	2228.7	43.017
#1	.00052	-.00056
#2	-.00059	-.00104
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3890	--	--	--	--	--	--
SDev	12.09159	--	--	--	--	--	--
%RSD	.3108599	--	--	--	--	--	--
#1	3881	--	--	--	--	--	--
#2	3898	--	--	--	--	--	--

Analysis Report 08/17/04 03:05:21 PM page 1

Method: TRACE2 Sample Name: AD442136/(1:10) Operator: SW
Run Time: 08/17/04 15:01:01
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00108	-.00129	.03178	.02528	-.00050	3.8057	-.00063
SDev	.00030	.00139	.00016	.00038	.00003	.0397	.00010
%RSD	27.764	107.99	.49000	1.5164	5.4697	1.0434	15.645
#1	.00087	-.00228	.03167	.02500	-.00052	3.7776	-.00056
#2	.00129	-.00031	.03189	.02555	-.00048	3.8337	-.00070
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	500.00	20.000	50.000	10.000	5.0000	300.00	30.000
Low	-.04000	-.00500	-.00800	-.00300	-.00300	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00041	-.00125	-.00258	.33403	1.9524	1.2141	2.1656
SDev	.00026	.00031	.00013	.00619	.0065	.0121	.0173
%RSD	63.839	24.911	4.8964	1.8545	.33391	.99772	.79909
#1	-.00060	-.00147	-.00249	.32965	1.9478	1.2055	2.1533
#2	-.00023	-.00103	-.00267	.33841	1.9570	1.2227	2.1778
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	40.000	40.000	25.000	500.00	100.00	100.00	20.000
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00114	11.043	-.00058	-.00041	-.00081	-.00068	.00159
SDev	.00002	.054	.00024	.00019	.00017	.00005	.00175
%RSD	1.7362	.48812	40.731	45.890	21.351	7.7934	110.09
#1	-.00113	11.005	-.00042	-.00054	-.00069	-.00064	.00282
#2	-.00116	11.081	-.00075	-.00028	-.00094	-.00072	.00035
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	10.000	100.00	25.000			40.000	40.000
Low	-.00500	-.50000	-.00300			-.00400	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00082	.00826	-.00175	-.00007	-.00334	-.00043	.00183
SDev	.00053	.00353	.00085	.00031	.00246	.00053	.00002
%RSD	65.398	42.712	48.691	435.42	73.596	123.12	.97622
#1	-.00119	.01076	-.00115	-.00029	-.00508	-.00006	.00181
#2	-.00044	.00577	-.00236	.00015	-.00160	-.00081	.00184
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			10.000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00093	-.00041
SDev	.00070	.00018
%RSD	75.747	44.631
#1	-.00043	-.00028
#2	-.00142	-.00054
Errors	LC Pass	LC Pass
High	5.0000	2.0000
Low	-.01000	-.00400

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3993	--	--	--	--	--	--
SDev	27.84233	--	--	--	--	--	--
%RSD	.6973505	--	--	--	--	--	--
#1	4012	--	--	--	--	--	--
#2	3973	--	--	--	--	--	--

Analysis Report QC Standard 08/17/04 03:10:47 PM page 1

Method: TRACE2 Sample Name: CCV Operator: SW
Run Time: 08/17/04 15:06:27
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.178	.47861	.45351	.49555	.47815	24.643	.48411
SDev	.043	.00287	.00086	.00041	.00100	.042	.00096
%RSD	.17787	.60046	.19080	.08269	.20845	.17206	.19874
#1	24.208	.48064	.45412	.49584	.47885	24.673	.48479
#2	24.148	.47658	.45290	.49526	.47744	24.613	.48343
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	25.000	.50000	.50000	.50000	.50000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46374	Q.44921	.51677	23.179	24.122	23.128	.47202
SDev	.00235	.00153	.00043	.114	.026	.072	.00168
%RSD	.50762	.34093	.08246	.49281	.10926	.31077	.35614
#1	.46541	.45029	.51707	23.259	24.141	23.179	.47321
#2	.46208	Q.44812	.51646	23.098	24.103	23.077	.47083
Errors	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000	.50000	.50000	25.000	25.000	25.000	.50000
Range	10.000	10.000	10.000	10.000	10.000	10.000	10.000

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.46509	23.892	.50913	.46563	.49328	.48408	.48088
SDev	.00119	.042	.00043	.00119	.00171	.00154	.00350
%RSD	.25479	.17506	.08469	.25541	.34725	.31784	.72795
#1	.46593	23.921	.50943	.46647	.49450	.48516	.48336
#2	.46425	23.862	.50882	.46479	.49207	.48299	.47841
Errors	QC Pass	QC Pass	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass
Value	.50000	25.000	.50000			.50000	.50000
Range	10.000	10.000	10.000			10.000	10.000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49635	.47652	.48307	.49946	.49612	.46901	.46337
SDev	.00289	.00352	.00349	.00031	.00197	.00078	.00192
%RSD	.58233	.73926	.72237	.06183	.39756	.16619	.41397
#1	.49430	.47901	.48554	.49968	.49752	.46957	.46473
#2	.49839	.47403	.48060	.49924	.49473	.46846	.46201
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.50000			.50000	.50000	.50000	.50000
Range	10.000			10.000	10.000	10.000	10.000

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.46972	.48451
SDev	.00164	.00123
%RSD	.34876	.25410
#1	.46856	.48538
#2	.47088	.48364
Errors	QC Pass	QC Pass
Value	.50000	.50000
Range	10.000	10.000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4017	--	--	--	--	--	--
SDev	11.72043	--	--	--	--	--	--
%RSD	.2917463	--	--	--	--	--	--
#1	4009	--	--	--	--	--	--
#2	4026	--	--	--	--	--	--

Analysis Report Blank Sample 08/17/04 03:18:09 PM page 1

Method: TRACE2 Sample Name: CCB Operator: SW
Run Time: 08/17/04 15:13:48
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00021	-.00154	-.00218	-.00038	-.00037	-.00539	-.00037
SDev	.00114	.00082	.00123	.00005	.00000	.00045	.00007
%RSD	541.96	52.858	56.484	13.925	1.2607	8.3208	19.988
#1	.00102	-.00212	-.00305	-.00041	-.00037	-.00571	-.00042
#2	-.00060	-.00097	-.00131	-.00034	-.00037	-.00508	-.00031
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.20000	.01000	.05000	.00200	.00200	.50000	.00100
Low	-.04000	-.00500	-.00500	-.00300	-.00300	-.04000	-.00200

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00075	-.00072	-.00272	-.01365	-.01475	-.00572	-.00012
SDev	.00026	.00041	.00030	.00050	.00905	.00170	.00002
%RSD	34.694	57.408	11.038	3.6403	61.342	29.705	13.793
#1	-.00094	-.00101	-.00293	-.01330	-.02114	-.00452	-.00013
#2	-.00057	-.00043	-.00250	-.01400	-.00835	-.00692	-.00011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.00400	.00400	.01000	.05000	.50000	.20000	.00300
Low	-.00300	-.00300	-.00400	-.04000	-.50000	-.04000	-.00300

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00084	-.27248	-.00067	-.00116	.00130	.00048	-.00208
SDev	.00013	.11985	.00034	.00425	.00071	.00094	.00197
%RSD	15.277	43.985	49.853	367.60	54.790	196.55	94.510
#1	-.00075	-.18773	-.00091	.00185	.00079	.00114	-.00069
#2	-.00093	-.35723	-.00044	-.00416	.00180	-.00019	-.00347
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.01000	1.0000	.01000			.00500	.01500
Low	-.00300	-.50000	-.00300			-.00300	-.01000

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00227	-.00210	-.00207	-.00080	-.00009	-.00067	-.00030
SDev	.00143	.00448	.00071	.00008	.00159	.00042	.00000
%RSD	63.128	213.54	34.294	10.511	1758.0	62.510	1.0222
#1	-.00328	.00107	-.00157	-.00074	-.00122	-.00097	-.00030
#2	-.00126	-.00527	-.00258	-.00086	.00104	-.00038	-.00029
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	.02000			.00500	.02000	.00500	.02000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	-.00011	-.00078
SDev	.00239	.00036
%RSD	2223.2	46.365
#1	.00158	-.00053
#2	-.00180	-.00104
Errors	LC Pass	LC Pass
High	.01000	.00300
Low	-.00500	-.00300

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	3966	--	--	--	--	--	--
SDev	29.96365	--	--	--	--	--	--
%RSD	.7555774	--	--	--	--	--	--
#1	3987	--	--	--	--	--	--
#2	3944	--	--	--	--	--	--

STL Buffalo
Date: 08/02/2004
Time: 14:54:07

METALS DIGESTION LOG
A4B13740 - 08/02/2004 ASP00 6010 SOIL 3050 (Closed)
SOLIDS

4

Date	Time	Dig Emp	Jobno	Sample ID	Bot ID	Sample Type	Digest ID	Vl	Analysis Type	Initial Wgt (g)	Final (ml)	Color Before	Color After	Clarity Before	Clarity After	Textur
08/02/04	09:00	AH	A04-6905	A4690501 (4)	A	FS	AD439355	A	TM	0.5001	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690501MD	A	MD	AD439356	A	TM	0.5055	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690501MS	A	MS	AD439357	A	TM	0.5137	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690501SD	A	SD	AD439358	A	TM	0.4985	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690502	A	FS	AD439359	A	TM	0.4829	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690503	A	FS	AD439360	A	TM	0.4895	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690504 -	A	FS	AD439361	A	TM	0.5179	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690505	A	FS	AD439362	A	TM	0.4918	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH	A04-6905	A4690506	A	FS	AD439363	A	TM	0.5029	50.00	GRAY	GRAY	N/A	CLDY/F	SILT
08/02/04	09:00	AH		A4B1374001	A	CLPSL	AD439364	A	TM	0.4975	50.00	BROWN	BROWN	N/A	CLDY/F	FINE
08/02/04	09:00	AH		A4B1374002	A	MBLK	AD439365	A	TM	0.5000	50.00	COLORLES	COLORLES	N/A	CLR/FI	NONE

Comments: EPPENDORF'S USED IN PARENTHESIS:
1.) MD-03A-2504E .10ml
QUALITY CONTROL ADDITIVES:
SPIKES ADDED / EPPENDORF (*) USED FOR SPIKING
CLP #1 -987- 8-MDL-3 (1) .10 ml PER 50ML FIN VOL
CLP #2 -988- 8-MDL-5 (1) .10 ml PER 50ML FIN VOL
CLP #3 -989- 8-MDL-4 (1) .10 ml PER 50ML FIN VOL
SOIL SPIKE 6-MDL-9 LOTD038-540 .5 gr PER 50ML FIN VOL
CONC. NITRIC ACID = 8-MDL-10
1:1 NITRIC ACID = MSL5122
CONC. Hcl ACID = 7-MDL-9
Hydrogen Peroxide = ANALYSIS W/O Sn 7-MDL-19,Sn ANALYSIS- 3-MDL-08
HOT BLOCK TEMPERATURE = C/121
SAMPLE TEMPERATURE = 96
BATCH ENDED = 15:30
DIGESTIVE CUP LOT = A311LS163
2 micron FILTERMATE = 11130760-O

Color: Black Gray Red Yellow
Blue Green Violet Colorless
Brown Orange White

Clarity: Clear Cloudy Opaque

Texture: Fine (powdery)
Medium (sand)
Coarse (large crystals or rocks)

* Redigestion

575\607

Dry Weight Log Book
NYS DEC

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A04-6905	A4690501		07/26/2004		T CR	1.24	8.88	6.06	7.64	4.82	63.10	N
A04-6905	A4690501		07/26/2004		T NI	1.24	8.88	6.06	7.64	4.82	63.10	N
A04-6905	A4690501MD				T CR						63.10	N
A04-6905	A4690501MD				T NI						63.10	N
A04-6905	A4690501MS				T CR						63.10	N
A04-6905	A4690501MS				T NI						63.10	N
A04-6905	A4690501SD				T CR						63.10	N
A04-6905	A4690501SD				T NI						63.10	N
A04-6905	A4690502		07/26/2004		T CR	1.19	5.80	4.63	4.61	3.44	74.60	N
A04-6905	A4690502		07/26/2004		T NI	1.19	5.80	4.63	4.61	3.44	74.60	N
A04-6905	A4690503		07/26/2004		T CR	1.25	6.76	5.45	5.51	4.20	76.20	N
A04-6905	A4690503		07/26/2004		T NI	1.25	6.76	5.45	5.51	4.20	76.20	N
A04-6905	A4690504		07/26/2004		T CR	0.12	5.41	5.22	5.29	5.10	96.40	N
A04-6905	A4690504		07/26/2004		T NI	0.12	5.41	5.22	5.29	5.10	96.40	N
A04-6905	A4690505		07/26/2004		T CR	1.24	5.93	4.10	4.69	2.86	61.00	N
A04-6905	A4690505		07/26/2004		T NI	1.24	5.93	4.10	4.69	2.86	61.00	N
A04-6905	A4690506		07/26/2004		T CR	1.25	9.16	6.04	7.91	4.79	60.60	N

Job Number	Sample I.D.	Vial Number	Analysis Date	Analyst	Product Test Abreviation	Dish Weight (g)	Wet + Dish	Dry + Dish	Wet Weight	Dry Weight	% Dry	Decanted
A04-6905	A4690506		07/26/2004		T NI	1.25	9.16	6.04	7.91	4.79	60.60	N

WET CHEMISTRY DATA

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: D08801

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690501

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.05				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: D08802

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690502

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.40				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: D08803

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690503

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.20				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: D08804

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690504

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.30				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: D08805

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690505

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.13				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: D08806

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4690506

% Solids: 0.0 Date Samp/Recv: 07/21/2004 07/22/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.62				9045	07/23/2004

Comments:

NYS DEC
NYS DEC ASP Contract #C004154 - Region 9
Wet Chemistry Analysis

Client Sample No.: LCS

Lab Name: STL Buffalo Contract: C004154

Lab Code: RECNY Case No.: SH904 SAS No.: _____ SDG No.: 0721

Matrix (soil/water): SOIL Lab Sample ID: A4B1338501

% Solids: 100.0 Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.01				9045	07/23/2004

Comments:

WET CHEMISTRY RAW DATA

STL BUFFALO

pH LOG – SOILS Method 9045C

Logbook # A03-9-16

A4B13385

DATE	ANAL.	BUFFERS 7:00 WCR-	BUFFERS 4:00 WCR-	BUFFERS 10:00 WCR-	BUFFER TEMP °C	JOB #	SAMPLE I.D.	SPL WT. (g) /VOL.(ml)	SAMPLE TEMP °C	pH	TIME	COMMENTS
		A-64-E	A-64-D	A-64-C								
7/23/04	ERK	7.01	4.01	10.0	20.9	ICV	7.0	—	20.8	7.01	1500	
						6924	A4G924 01	20/20	19.5	7.41		
							02		19.5	7.32		
							03		19.5	7.33		
							04		19.5	7.52		
							05		19.6	7.92		
							06		19.6	7.29		
							07		19.7	7.22		
							08		19.8	7.14		
							09		19.6	7.11		
							10		19.5	7.44		
						CCV	7.0	—	20.7	7.01		
						6924	A4G924 11	20/20	19.6	7.56		
						6905	A4G905 01		19.5	7.05		
							02		19.5	7.40		
							03		19.6	7.20		
							04		19.6	7.30		
							05		19.5	7.13		

Reviewed By ERK pH Meter Model # Orion

Date 7/23/04 SRM 7:00 = WCR A-52-A

000151

5876907

STL BUFFALO

pH LOG – SOILS Method 9045C

Logbook # A03-9-16

A4613385

DATE	ANAL.	BUFFERS 7:00 WCR-	BUFFERS 4:00 WCR-	BUFFERS 10:00 WCR-	BUFFER TEMP °C	JOB #	SAMPLE I.D.	SPL WT. (g) /VOL.(ml)	SAMPLE TEMP °C	pH	TIME	COMMENTS
7/23/04	ERK					6905	A4690506	20/20	19.5	6.62	15[min]	
〃	〃					CCV	7.0	—	20.8	7.01	〃	

ERK 7/23/04

Reviewed By_____ pH Meter Model #_____

Date_____ SRM 7:00 = WCR_____

5881607

CASE FILE PURGE

MISCELLANEOUS DATA

STL Buffalo
Date: 08/10/2004
Time: 10:53:25

Organic Prep Log Book
(3550B) ASP00 8082 PCB SOILS
A4B13315 (Closed)

Rept: AN0501

Surrogate Amount: 1000.00 ul

Matrix Spike Amount: 0.00 ul

Date Ext/Initials: 07/26/2004 CM

Preconc Date/Initials: _____ _____

Cleanup Date/Initials: _____ _____

SOLID EXTRACTIONS

Final Conc Date/Initials: 07/26/2004 CM

Job Number	Sample ID	BT ID	Samp Type	Vial #	Test	Protoc	Method	Surr Code	Spike Code	Sample Weight (g)	Clean Up	Final Volume (ml)	Dish Wght	Comb Wet	Comb Dry	D*
A04-6785	A4678502	A	FS	AS40009654	ASP00	ASP00	8082	A00093		30.9000		10.00	1.22	5.41	4.18	N
A04-6905	A4690501	A	FS	AS40009655	ASP00	ASP00	8082	A00093		30.1900		10.00	1.24	8.88	6.06	N
A04-6905	A4690502	A	FS	AS40009656	ASP00	ASP00	8082	A00093		30.3200		10.00	1.19	5.80	4.63	N
A04-6905	A4690503	A	FS	AS40009657	ASP00	ASP00	8082	A00093		30.1600		10.00	1.25	6.76	5.45	N
A04-6905	A4690504	A	FS	AS40009658	ASP00	ASP00	8082	A00093		30.4200		10.00	0.12	5.41	5.22	N
A04-6905	A4690505	A	FS	AS40009659	ASP00	ASP00	8082	A00093		30.1700		10.00	1.24	5.93	4.10	N
A04-6905	A4690506	A	FS	AS40009660	ASP00	ASP00	8082	A00093		30.9300		10.00	1.25	9.16	6.04	N
A4B13315	A4B1331501	Z	MSB	AS40009661	ASP00	ASP00	8082	A00093	A00222	30.8900		10.00	0.00	0.00	0.00	N
A4B13315	A4B1331502	Z	MSBD	AS40009662	ASP00	ASP00	8082	A00093	A00222	30.1200		10.00	0.00	0.00	0.00	N
A4B13315	A4B1331503	Z	MBLK	AS40009663	ASP00	ASP00	8082	A00093		30.8100		10.00	0.00	0.00	0.00	N

Comments:

591\607

D* = Decanted(Y/N)

GC INJECTION LOGBOOK

INSTRUMENT ID HD5890-12 COLUMN ID'S A ZB-35 B ZB-5 SEQUENCE 18

SYRINGE LOT# _____ SOLVENT LOT# _____

DATE & INIT.	JOB #	A VIAL ID	A DF	B VIAL ID	B DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS A	COMMENTS B
7/26/94 SPB	CCV	ICM48OA	6.5			42				A OK	B OK
	CCV	ICM42PB	6.5							A OK	B OK
	CCV	ICM32CA	6.5							A OK	B OK
	CCV	ICM21OA	6.5			45				A OK	B OK
	IBLK	ICM3FD	6.03							A CLEAN	B CLEAN
	QC	AW4006L7600	MSB								
		17601	MBLK								
	6530	17593									
		17594	MS			50					
		17597	SD								
		17598									
		17599									
	CCV	ICM66HB	6.5								
	IBLK	ICM3FD	6.03			55				A OK, DCBP1 18.8	B OK
7/26/94 GHH	-	PRIMER								A CLEAN	B CLEAN
	-								-		
	-								-		
	CCV	ICM66HB	6.5							A OK, DCBP1 16.3	B OK
	CCV	ICM54QA	6.5			60				A OK, DCBP1 16.4	B OK
	IBLK	ICM3FD	6.03					TYCB5160		A CLEAN	B CLEAN
DW 7-27-94	QC	AS4-9661 - MDB3									
		9662 MSBD									
		9663 - MBLK									
	6785	9654 X 100				65					
	CA05	9655 X 100									
		9656 X 100									
		9657 X 50									
		9658									
		9659 X 50				70					
		9660									
	MW	ICM54QA 0.5								A OK, DCBP1 24.3	B OK, DCBP1 17.7
	DW	ICM3FD 0.03								A CLEAN	B CLEAN
7/28/94	-	PRIMER							-		
	-					75					
	-								-		
	CCV	ICM66HB	6.5							A OK	B OK
	CCV	ICM54QA	6.5							A OK, DCBP1 18.6	B OK
	IBLK	ICM3FD	6.03			79				A CLEAN	B CLEAN

SEVERN TRENT LABORATORIES

REVIEWED BY _____

SHIPPING/RECEIVING DATA

SIL LABS

Page 1 of 1

LOZIER LABORATORIES, INC.
696 N. Winton Rd., Rochester, NY 14609
8611 Water St., Middlesex, NY 14507
(888) 841-5227 (716) 554-4114

COMPANY NAME	TURNAROUND TIME
NYS DEC	☑ Standard Service ☐ Rush Service
PROJECT NAME / NUMBER	Date Req.: 8/23/04
907022	Phone No.: (716) 851-7220
	Fax No.: (716) 851-7226

SEND REPORT TO:
MAURICE F. MOORE
NYS DEC
270 Michigan Ave
Buffalo NY 14304

SEND INVOICE TO:
NYS DEC - ALBANY
Larry Bailey

P.O. #

CHAIN OF CUSTODY RECORD
Laboratory ID Number

SAMPLE ID	DATE	TIME	TYPE: Comp.	TYPE: Grab	Aqueous	Soil	Other	PCB's	TOTAL CHROMIUM	NICKEL
B08801	7/21	10:30		✓		✓		1	1	1
B08802	11	10:35		✓		✓		1	1	1
B08803	11	10:40		✓		✓		1	1	1
B08804	11	10:45		✓		✓		1	1	1
B08805	11	11:00		✓		✓		1	1	1
B08806	11	11:15		✓		✓		1	1	1

REMARKS: 6 Soil/Sediment Samples - Analysis Reqd PCB's, TOTAL Cr & Ni

TOTAL CONTAINERS

CUSTODY SEAL INTACT? ☑ YES ☐ NO ☐ N/A

SHIPMENT COMPLETE? ☐ YES ☐ NO ☐ N/A

SAMPLER'S NAME: MAURICE MOORE

SIGNATURE:

TEMPERATURE: 4.6 °C ☐ TS ☐ TB ☐ TM

SAMPLES RELENQUISHED BY			SAMPLES RECEIVED BY		
NAME AND SIGNATURE	DATE	TIME	NAME AND SIGNATURE	DATE	TIME
	7/22/04	8:50	1. David S. Sypniewski	7/22/04	8:50
David S. Sypniewski	7/22/04	11:03	2.		
			Received for Laboratory by: JR	07/22/04	1103

5941607

LOZIER ANALYTICAL GROUP — ORIGINAL-LAB COPY — YELLOW-CUSTOMER COPY — PINK-SAMPLER COPY — CONFIDENTIAL INFORMATION

595\607

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity (Pest/PCB BSF)
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☒ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☒ 48. Other (TOTAL) Chromium + Nickel
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	Chautauqua	7/21/04	10:30

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S1H904	07214	D08801	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd. TRIB BRP ALTECH #1
#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 7 0 2 2

596\607

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity — Per CDL (BSL)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☒ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☒ 48. Other TOT. CHROMIUM & NICKEL
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. MOORE	716 857-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	CHAUTAUQUA	7/21/04	10:35

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SIH9014	07211	D10181012	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT: TRIB Willow Rd BRP ALTECH #2 #907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 1 7 0 1 2 1

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity — Prior (DL BSF)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☒ 42. Pesticides/PCBs (USEPA 8081)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☒ 48. Other TDT. CHROMIUM & NICKEL ☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 857-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
SJL	CHAUTAUQUA	7/21/04	10:40

SAMPLE MATRIX:

☐ Air ☒ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
SIH9014	07211	D08803	☐ This sample	☒ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd MH8 BRP ANTECH #3

#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 1 0 1 7 1 0 2 1 2 1

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 12. TSS
☐ 10. pH
☐ 11. COD
☐ 15. Ammonia
☐ 13. Settleable Solids
☐ 14. TKN
☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite
☐ 17. Total Phosphorus
☐ 21. Total Phenols
☐ 19. Oil/Grease)
☐ 20. TOC
☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other ____
☐ 59. PCBs at 0.065 ug/l
☐ 64. Total Solids
☐ 62. CBOD
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water
☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other ____

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 37. EP Toxicity (Metals Only)
☐ 38. Ignitability
☐ 39. Corrosivity
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 41. BNA—(USEPA 8270 GC/MS)
☑ 42. Pesticides/PCBs (USEPA 8081) Per 4oz (BS)
☐ 43. TCLP
☐ 44. TCLP (Metals Only)
☐ 45. Reactivity
☐ 46. Dioxin (USEPA 8280)
☐ 47. Appendix IX
☑ 48. Other TDT. Chromium & Nickel
☐ 63 Percent Solids
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other ____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	Chautauqua	7/21/04	1045

SAMPLE MATRIX:
☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
5H490H	07211	D018804	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:
Willow Rd TRIB BRP ALTECH #4
#907022

Report via Category B, unless checked ☐
Check if field duplicate ☐ Outfall Number
Check if sampling is part of inspection ☐
FLOW: ____ GPD ____ MGD

SPDES NUMBER/REGISTRY NUMBER
9 0 7 0 2 2

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)
☐ 7. Halogenated Volatiles (USEPA 601 GC)
☐ 10. pH
☐ 13. Settleable Solids
☐ 16. Nitrate/Nitrite
☐ 19. Oil/Grease)
☐ 22. Other ______
☐ 3. Volatiles—(USEPA 624 GC/MS)
☐ 5. Cyanide
☐ 8. Aromatic Volatiles USEPA 602 GC)
☐ 11. COD
☐ 14. TKN
☐ 17. Total Phosphorus
☐ 20. TOC
☐ 59. PCBs at 0.065 ug/l
☐ 62. CBOD
☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 9. BOD
☐ 12. TSS
☐ 15. Ammonia
☐ 18. Reactive Phosphorus
☐ 21. Total Phenols
☐ 60. PCBs congener method (ASP 91-11)
☐ 64. Total Solids
☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)
☐ 27 Metals—23 in Water
☐ 28 Cyanide—Water
☐ 66 Dioxin-Water (ASP #91-7)
☐ 35 Other ______
☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 33. Metals—23 in Soil/Sediments)
☐ 34. Cyanide—Soil/Sediments)
☐ 67. Dioxin-Soil/Sediments (ASP #91-7)

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity
☐ 39. Corrosivity — PCB (DL BSF)
☑ 42. Pesticides/PCBs (USEPA 8081)
☐ 45. Reactivity
☑ 48. Other TOT CHROMIUM & NICKEL
☐ 37. EP Toxicity (Metals Only)
☐ 40. VOA—(USEPA 8260 GC/MS)
☐ 43. TCLP
☐ 46. Dioxin (USEPA 8280)
☐ 63 Percent Solids
☐ 38. Ignitability
☐ 41. BNA—(USEPA 8270 GC/MS)
☐ 44. TCLP (Metals Only)
☐ 47. Appendix IX
☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other ______

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
H. Moore	716 851-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
STL	CHAUTAUQUA	7/21/04	11:00

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other ______

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
5 4 9 0 4	0 7 2 1 1	D 0 8 8 0 5	☐ This sample	☑ Grab ☐ Composite ☐ Term ______ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd TRIB BRP AUTECH #5

#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: ______ GPD ______ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 7 0 2 2

600\607

74-15-1 (9/97)—q

RETURN THIS SHEET TO ROOM 392, 50 WOLF ROAD, ALBANY, NEW YORK 12233-3502

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET

Print Legibly

Part 1

CAUTION (check if applicable)

☐ Lab personnel are expected to use caution when handling DEC samples, however, please use special caution when handling this sample since it is believed to contain significant concentrations of hazardous and/or toxic materials(s)

CHECK THE BOX PRECEDING THE REQUESTED ANALYSIS

PRIORITY POLLUTANTS (Water Part 136)—SPDES

☐ 2. 13PP Metals	☐ 3. Volatiles—(USEPA 624 GC/MS)	☐ 6. Pesticides/PCBs (USEPA 608-GC)
☐ 4. Acids Base/Neutrals (USEPA 624 GC/MS)	☐ 5. Cyanide	☐ 9. BOD
☐ 7. Halogenated Volatiles (USEPA 601 GC)	☐ 8. Aromatic Volatiles USEPA 602 GC)	☐ 12. TSS
☐ 10. pH	☐ 11. COD	☐ 15. Ammonia
☐ 13. Settleable Solids	☐ 14. TKN	☐ 18. Reactive Phosphorus
☐ 16. Nitrate/Nitrite	☐ 17. Total Phosphorus	☐ 21. Total Phenols
☐ 19. Oil/Grease)	☐ 20. TOC	☐ 60. PCBs congener method (ASP 91-11)
☐ 22. Other _____	☐ 59. PCBs at 0.065 ug/l	☐ 64. Total Solids
	☐ 62. CBOD	☐ 65. Volatiles (USEPA 524.2 GC/MS)

CONTRACT LABORATORY PROTOCOLS

☐ 23 (ALL)—Water—Includes 24-28	☐ 29. (ALL)—Soil/Sediments—Includes 30-34
☐ 24 Base/Neutral/Acid (B/N/A)—Water—GC/MS (ASP #95-2)	☐ 30. (B/N/A)—Soil/Sediments—GC/MS (ASP #95-2)
☐ 25 Volatile Organic Analysis VOA—Water—GC/MS (ASP #95-1)	☐ 31. VOA—Soil/Sediments—GC/MS (ASP #95-1)
☐ 26 Pesticides/PCBs—Water—GC/MS (ASP #95-3)	☐ 32. Pesticides/PCBs—Soil/Sediments—GC (ASP #95-3)
☐ 27 Metals—23 in Water	☐ 33. Metals—23 in Soil/Sediments)
☐ 28 Cyanide—Water	☐ 34. Cyanide—Soil/Sediments)
☐ 66 Dioxin-Water (ASP #91-7)	☐ 67. Dioxin-Soil/Sediments (ASP #91-7)
☐ 35 Other _____	

HAZARDOUS WASTES/RCRA ANALYSIS SW-846

☐ 36. EP Toxicity	☐ 37. EP Toxicity (Metals Only)	☐ 38. Ignitability
☐ 39. Corrosivity — Per (DL BJ+)	☐ 40. VOA—(USEPA 8260 GC/MS)	☐ 41. BNA—(USEPA 8270 GC/MS)
☑ 42. Pesticides/PCBs (USEPA 8081)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☑ 48. Other TOT Chromium & Nickel	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

☐ 56. RS-01 ☐ 57. RS-02 ☐ 58. Other _____

COLLECTED BY:	TELEPHONE NUMBER:	REGION NO.:
M. Moore	716 857-7220	9

CONTRACT LABORATORY:	COUNTY:	SAMPLING DATE:	MILITARY TIME:
SJL	CHAUTAUQUA	7/21/04	11:15

SAMPLE MATRIX:

☐ Air ☑ Soil/Sediment ☐ Groundwater ☐ Surface Water ☐ Wastewater ☐ Other _____

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
S H 9 0 4	0 7 2 1	D 0 B 8 0 6	☐ This sample	☑ Grab ☐ Composite ☐ Term _____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.

SAMPLING POINT:

Willow Rd TRIB BRP ALTECH #6

#907022

Report via Category B, unless checked ☐

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

9 0 1 7 1 0 2 2

Date: 08/19/2004
Time: 12:56:48

FORM DC -1
SAMPLE LOG-IN SHEET

Lab Name.....: STL Buffalo
Received By (Print Name): _____
Received By (Signature).: _____

Case Number.....: SH904
SAS Number.....: _____
Sample Delivery Group No: 0721

Log in Date: 07/22/2004

REMARKS:
Custody Seal(s)...: Absent
Custody Seal No(s): _____
Sample Tags.....: Absent
Sample Tag Numbers: Absent

Chain of Custody Records.....: Present
Traffic Reports or Packing List: Present/Absent
Date Received at Lab.....: 07/22/2004
Time Received.....: 11:03

Does information on custody records, traffic reports and sample tags agree? Yes/No

Sample Condition: Intact/Broken/Leaking

Airbill.....: Airbill/Sticker Present/Absent
Airbill Number..: DELIVERED

SAMPLE TRANSFER:
Fraction: VOAS : Extract.
Area #..: Suite 106 : Wales Ave.

By: _____
On: _____

Reviewed By: _____
Date.....: _____/20

EPA SAMPLE #	CORRESPONDING SAMPLE TAG #	ASSIGNED LAB #	REMARKS CONDITION OF SAMPLE SHIPMENT, ECT.	MATRIX
D08801		A4690501		SOIL
D08802		A4690502		SOIL
D08803		A4690503		SOIL
D08804		A4690504		SOIL
D08805		A4690505		SOIL
D08806		A4690506		SOIL

601\607

SDG No: 0721 Client: NYS DEC
Quote No: NY00-096 Protocol: ASP00
Project: NY1A8770.9
Case: SH904

Job Number		Sample ID's	Client Sampld ID	Type	VSTR	Matrix
A04-6905	(1)	A4690501	D08801	FS	07/22/2004 11:03	SOIL
		A4690501MD	D08801	MD	07/22/2004 11:03	SOIL
		A4690501MS	D08801	MS	07/22/2004 11:03	SOIL
		A4690501SD	D08801	SD	07/22/2004 11:03	SOIL
	(2)	A4690502	D08802	FS	07/22/2004 11:03	SOIL
	(3)	A4690503	D08803	FS	07/22/2004 11:03	SOIL
	(4)	A4690504	D08804	FS	07/22/2004 11:03	SOIL
	(5)	A4690505	D08805	FS	07/22/2004 11:03	SOIL
	(6)	A4690506	D08806	FS	07/22/2004 11:03	SOIL
		A4690507	LCS	LCS		SOIL
		A4690508	Method Blank	MBLK		SOIL
		A4B1331501	Matrix Spike Blank	MSB		SOIL
		A4B1331502	Matrix Spike Blk Dup	MSBD		SOIL
		A4B1331503	Method Blank	MBLK		SOIL
		A4B1338501	LCS	LCS		SOIL
		A4B1374001	LCS CLP Soils	CLPSL		SOIL
		A4B1374002	Method Blank	MBLK		SOIL

Date SDG Closed: __/__/20__
Date Due to Report Department: _____
Date Report Due to Client: 08/21/2004

SAMPLE DELIVERY GROUP (SDG) COVER SHEET
CONTRACT LAB SAMPLE INFORMATION (CLSIS)

Lab Name: Severn Trent Laboratories, Inc.

Contract Number: C003783

Lab Code: STL Buffalo

Case Number: SHP04

SDG No./First Sample in SDG: D08801
(Lowest DEC sample number in first shipment of samples received under this SDG)

Sample Receipt Date: 07/22/04 (MM/DD/YY)

Last Sample in SDG: D08806
(Highest DEC sample number in last shipment received under this SDG)

Sample Receipt Date: 07/22/04 (MM/DD/YY)

DEC sample numbers in this SDG (list in alphanumeric order):

1. D08801
2. D08802
3. D08803
4. D08804
5. D08805
6. D08806
7. _____
8. _____
9. _____
10 _____
11. _____
12. _____
13. _____
14. _____
15. _____
16. _____
17. _____
18. _____
19. _____
20. _____

Note: There are a maximum of 20 field samples in an SDG.

_____ 08/19/04

Sample Custodian Date

Job No : A04-6905	NYS DEC
Project/Task: NY1A8770.9 1	CASE SH904
SDG No/Case : 0721 SH904	
Sample Mgmt :	NYS DEC ASP Contract #C004154 - Region 9
Status/Prior: O	
QA Revw Reqd:	Mr. Larry Bailey
	NYSDEC
Turn Around : 30 C	625 Broadway - 4th Floor
Cooler Temp : 4.6 °C	Albany NY 12233
No. Samples : 1	
Collected by: CLIENT	Phone: (518)402-8287 Ext:
COC : YES	Fax : (518)402-9029 Quote: NY00-096
ARRF : NO	Email:
ASRF Date : 07/22/2004	PO No:
TCLP Prep Dt: 07/26/2004	
Prep Date : 07/27/2004	Project Mgr: BJF Copy : 1
Lab Date : 08/04/2004	Sales Rep : CJS Level : 4
ME DP Date : 08/07/2004	Report Group :
DP Date : 08/09/2004	
Client Date : 08/21/2004	Login Complete Date: 07/22/04

ASRF Comments:
All sample ID's listed on COC start with the letter B. All sample ID's listed on green sheets start with the letter D. Samples logged off of green sheet ID's at direction of PM.

Frac	No	TAT	Test	Test Description	TIC	VOA Anal HT Dates
GE	6	30	CTA12950	NYSDEC - ASP00 8082 - PCBS - S	N	
ME	6	30	CTA13462	NYSDEC - ASP00/6010 - CHROMIUM - TOTAL - S	N	
	6	30	CTA13465	NYSDEC - ASP00/6010 - NICKEL - TOTAL - S	N	
WC	6	30	STA00900	LEACHABLE PH - S	N	

Sample Custodian: _____ 07/22/20 04

Analytical Services Coordinator: _____ / /20

Job No : A04-6905 Proj/Task : NY1A8770.9 1	NYS DEC

Project Comments

REPORT WRITING:

PLEASE INCLUDE APPROPIATE DEC FORMS IN FINAL REPORT AND NYSDEC FORMATTED EDD, INCLUDE CASE #, SDG #, AND MONTH/YEAR ON THE DISK LABEL.

Case File Purge must include:

*Miscellaneous Section

- for Organics - COPIES OF ALL log book pages and all other misc lab printouts that are in each fraction folder (MV,GV,MB,GE)
- for inorganics (only) - a copy of the original ASRF (ME,WC)

Shipping records

- a copy of the COC and CLSIS forms (green sheets)
- AN0455 and AN0385
- SDG Cover sheet - signed by sample control (no copies allowed)
- copy of the ASRF (if not alrady included above)

COPY TO CONTACT PERSON ON CHAIN OF CUSTODY AND/OR GREEN SHEETS! MAKE SURE CONTACT NAME IS CORRECT IN TASK SET-UP BEFORE PRINTING COVER LETTER! (GO TO PROG. MGT. (3) AND THE CORRECT TASK (3), THEN SELECT THE CORRECT CC BY PRESSING F10)

(Disk Errors: Client ID must be less than 8 characters (TRIP BLANK must always say TBLANK). If you cannot decide how to truncate, see the PM. In most cases, there is a case and sdg number in front of the true sample name (ex. PA0902-00902-501 should be 501) Also, there must be an sdg and case number entered.)

SAMPLE CONTROL:

ALL JOBS FOR SOILS THAT REQUIRE SEMIVOLTILES (8270, EPA SVOA, ETC.), PESTICIDES, AND/OR PCBS (8081, 8082, EPA PEST, ETC.) ALSO REQUIRE THE ANALYSIS OF LEACHABLE pH!!! PLEASE LOG-IN STA00900.

*** SAMPLE ID'S MUST BE TAKEN FROM THE CLSIS FORMS (GREEN SHEETS). THE NYSDEC EDD FORMAT DOES NOT RECOGNIZE ANY ID'S OVER 8 CHARACTERS, WHICH IS THE EXACT AMOUNT OF CHARACTERS THAT CAN BE ENTERED ON THESE SHEETS.

Task Comments

Job#: A04-6905 NYS DEC
Proj/Task: NY1A8770.9 NYS DEC ASP Contract #C004154 - Region 9
SDG No: 0721 CASE SH904
Client Due: 08/21/2004 Mr. Larry Bailey

Lab ID	Client Sample ID	Matrix	Type	Sample	Received	CTA12950 ASP00 8082 GE SOIL	CTA13462 ASP00 6010 ME SOIL	CTA13465 ASP00 6010 ME SOIL	STA00900 ASP00 9045 WC SOIL						
						ASP00	T CR	T NI	LPH						
A4690501	D08801	SOIL	FS	07/21 10:30	07/22 11:03	30C	30C	30C	30C						
A4690502	D08802	SOIL	FS	07/21 10:35	07/22 11:03	30C	30C	30C	30C						
A4690503	D08803	SOIL	FS	07/21 10:40	07/22 11:03	30C	30C	30C	30C						
A4690504	D08804	SOIL	FS	07/21 10:45	07/22 11:03	30C	30C	30C	30C						
A4690505	D08805	SOIL	FS	07/21 11:00	07/22 11:03	30C	30C	30C	30C						
A4690506	D08806	SOIL	FS	07/21 11:15	07/22 11:03	30C	30C	30C	30C						

606\607

Job No: A04-6905
Project/Task: NY1A8770.9 1

Test No.	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
TME	TOTAL METALS																	
CTA13462	NYSDEC - ASP00/6010 - CHROMIUM -	ASP00	6010	Soil	N	R	0	180	180	D	MG/KG	CRQL	1.00000	A00066	1.00 ML	10.00 UG/ML	(75-125)	20.0
CTA13465	NYSDEC - ASP00/6010 - NICKEL - TO	ASP00	6010	Soil	N	R	0	180	180	D	MG/KG	CRQL	4.00000	A00066	1.00 ML	10.00 UG/ML	(80-120)	20.0

Test No.	Description	Prot	Method	Mtx	TCLP	Holding Type	Holding Tclp	Holding Extr	Holding Anal	Prep Type	Unit Measure	Detect Limit Type	Detect Limit Value	Spikes Code	Spikes Amount	Spikes Conc	QC Limits	RPD
WC	WET CHEMISTRY																	
STA00900	LEACHABLE PH - S	ASP00	9045	Soil	N	R	0	0	180	N	S.U.	CRQL	0.00000	NONE				