SAMPLING REPORT
December 2004
AlTech Specialty Steel Site
Site No. 907022
Dunkirk (C), Chautauqua County
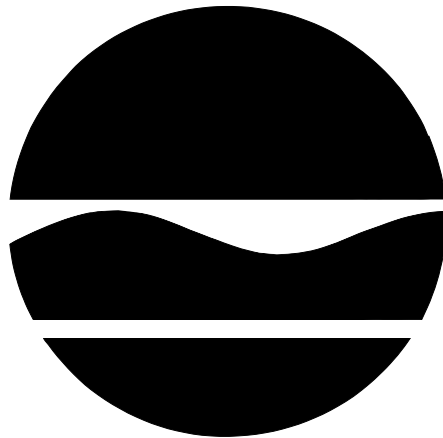
January 2005

TABLE OF CONTENTS

Page

LIST OF FIGURES
(Following Report)

LIST OF APPENDICES

1.0 INTRODUCTION

This document reports a December 2004 sediment sampling effort conducted on December 8, 2004. Sediment samples were collected from an unnamed tributary to and from Crooked Brook. The tributary flows westerly through the southeast corner of the AlTech Specialty Steel Site, Site # 907022 whereupon it joins with Crooked Brook before emptying into Lake Erie. The samples were collected to supplement results of a July 2004 sampling by the New York State Department of Environmental Conservation (NYSDEC).

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 indicated standards for metals and chlorinated solvents had been exceeded. Hazardous wastes, such as, chromium, lead, chlorinated solvents and polychlorinated biphenyls (PCBs) are 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.

Because residential areas surround the site and 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**

Five sediment/soil samples were collected by the NYSDEC on December 8, 2004. All samples were collected to further determine the extent of possible PCBs and total nickel in the tributary of Crooked Brook. Three of the five samples were collected from the upper sediments approximately three inches below the creek bed in the stream channel in areas of likely deposition. Two of the samples were soil samples collected from soils approximately six inches deep and next to the stream channel.

The first two samples D088A and D088AA were collected from the western side of the railroad tracks approximately 50 feet west of the culvert under the tracks. D088A was a shallow sediment sample and D088AA was a deeper (~ 6") soil sample collected adjacent to the sediment sample.

Sample number D088B was collected at the opposite end of the large pool where the culvert discharged. Sample D088C was a soil sample collected from the southern bank on the western side of the tracks just after the culvert. This sample was collected from a likely area of deposition, 6-8 inches above the stream from a depth of about six inches.

Sample Number D088D was a shallow sediment sample collected approximately 195 feet east of Route 5 in an oxbow in the stream.

3.0   **SAMPLE RESULTS:**

Sediment and soil samples were analyzed for nickel and PCBs. Three of the five samples were collected from sediments within the stream channel. Because these three samples were collected from a stream channel, 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 three samples collected from the stream channel indicate that all three samples were impacted (table 1). All samples exceeded the lowest effect level and the Sever Effect Level for nickel indicating the three sediment samples are severely contaminated with nickel.

Two of the five samples Sample D088AA and D088C were collected from soil adjacent to the stream. Because the samples are not within the normal stream channel the samples were compared to guidance values presented in Technical, Administrative and Guidance Memorandum, HWR- 4046[2] (TAGM 4046). When compared to TAGM 4046 both of these samples exceeded the recommended soil cleanup values for nickel.

All five samples were compared to soil clean up guidance values found in TAGM 4046 for PCBs. Because none of the samples were analyzed for total organic carbon (toc) the PCB results could not be compared to the sediment screening criteria found in Technical Guidance for Screening Contaminated Sediments.

The family of chemicals known as PCBs are mixtures of up to 209 individual chlorinated compounds (known as congeners). Each congener is identified by a specific number. All five of the sample results noted the presence of PCB-1248 (580 ug/kg to 10,000J ug/kg). Four of the five samples had positive results for PCB-1254 (ND - 3300J). Only sample number D088B did not have a detection for PCB-1254.

To determine how a sample compares to soil cleanup guidance values all congeners detected in a specific sample are added to determine the sample's total PCBs. When compared to soil guidence values found in TAGM 4046 four of the five samples (6,900 ug/kg to 12,700 ug/kg) exceeded the 1 mg/kg (1000 ug/kg) surface soil concentration guidance value for PCBs

---

[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

(table 2). Only one sediment sample, sample D088D, did not exceed the cleanup guidance value of 1 mg/kg.

4.0   <u>CONCLUSIONS:</u>

Offsite sediments and soils have also been impacted by metal contamination associated with the AlTech Specialty Steel Site. Nickel contamination was found in the stream channel in the tributary which flows through the Altech Specialty Steel Site and to Crooked Brook and in the flood plain soils. Three of the five 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.

In addition, sample results indicate that PCB contamination possibly associated with the AlTech Specialty Steel Site has impacted the stream channel and local flood plain. PCB contamination was found to exceed the soil cleanup guidance in TAGM 4046 in four of the five samples.

Table 1
Soil/Sediment Sample Results

Analyte	units	guidance values	D088A	D088AA	D088B	D088C	D088D
Nickel	mg/kg	16 Lowest effect	199		256		457
Nickel	mg/kg	50 Severe effect	199		256		457
Nickel	mg/kg	13 or SB*		209		348	

A "J" value is an estimated value.

*TAGM 4046 Soil Cleanup Values, 13 or SB (Eastern United States background = 0.5 - 25 mg/kg)

A shaded value indicates that the value exceeds guidance values.

Table 2
Soil/Sediment Sample Results

CAS Number	units	guidance values	Analyte	D0880A	D0880AA	D0880B	D0880C	D0880D
12672-29-6	ug/kg	1 - 10 mg/kg*	Arochlor-1248	5800	6600J	7000	10000J	580
11097-	ug/kg	1 - 10 mg/kg*	Arochlor-1254	1100J	3300J	ND	2700J	290
TOTAL PCBs	ug/kg	1 - 10 mg/kg*	TOTAL PCBs	6900	9900	7000	12700	870

A "J" value is an estimated value.

A shaded value indicates that the value exceeds guidance values.

N/A - Not Applicable

ND - Not Detected

* 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). 1000 ug/kg = 1 mg/kg

FIGURES

Figure 1
AlTech Specialty Steel Site
Site No. 907022

AlTech Specialty Steel Site
Site #907022
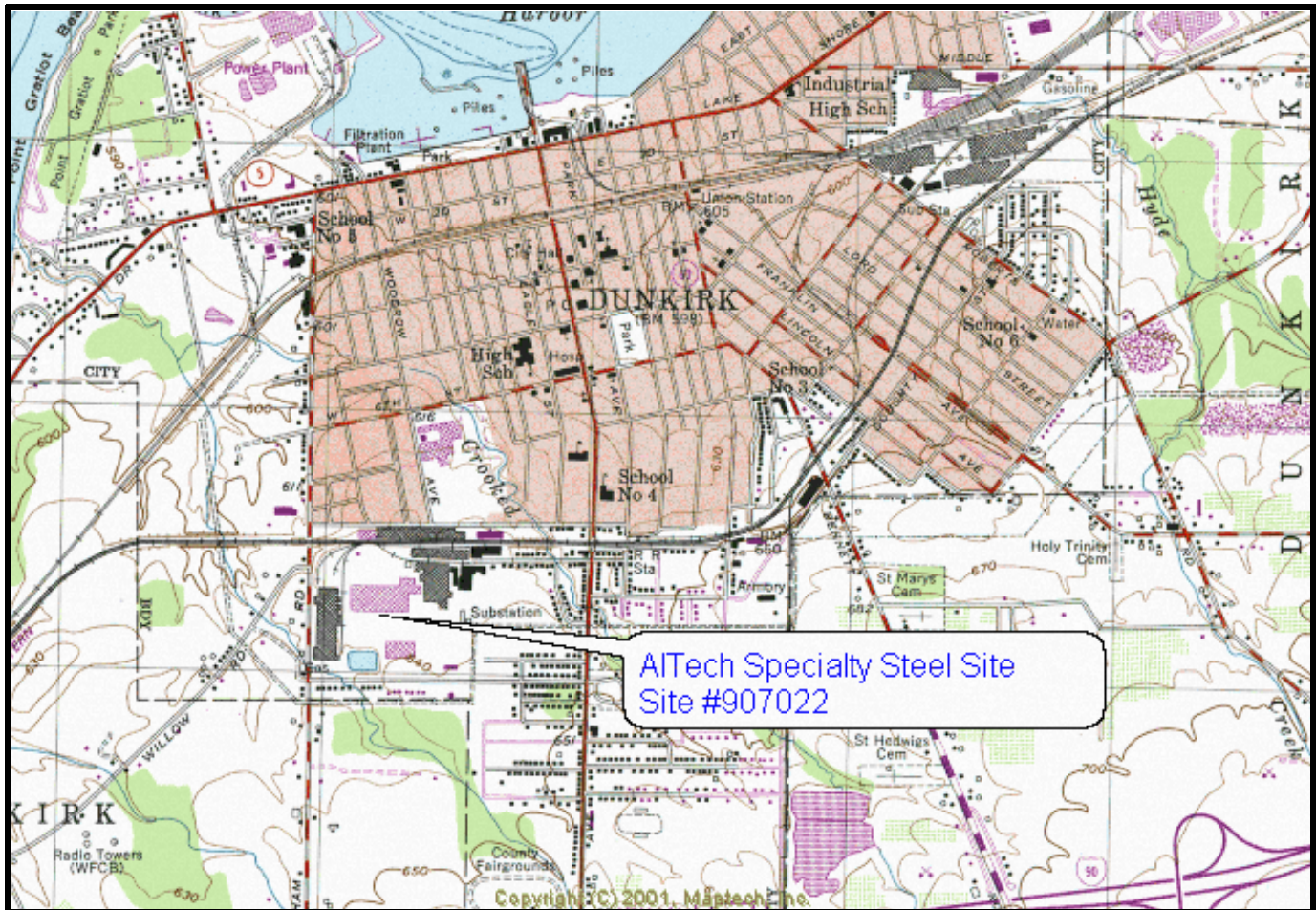
Figure 2
Sampling Locations
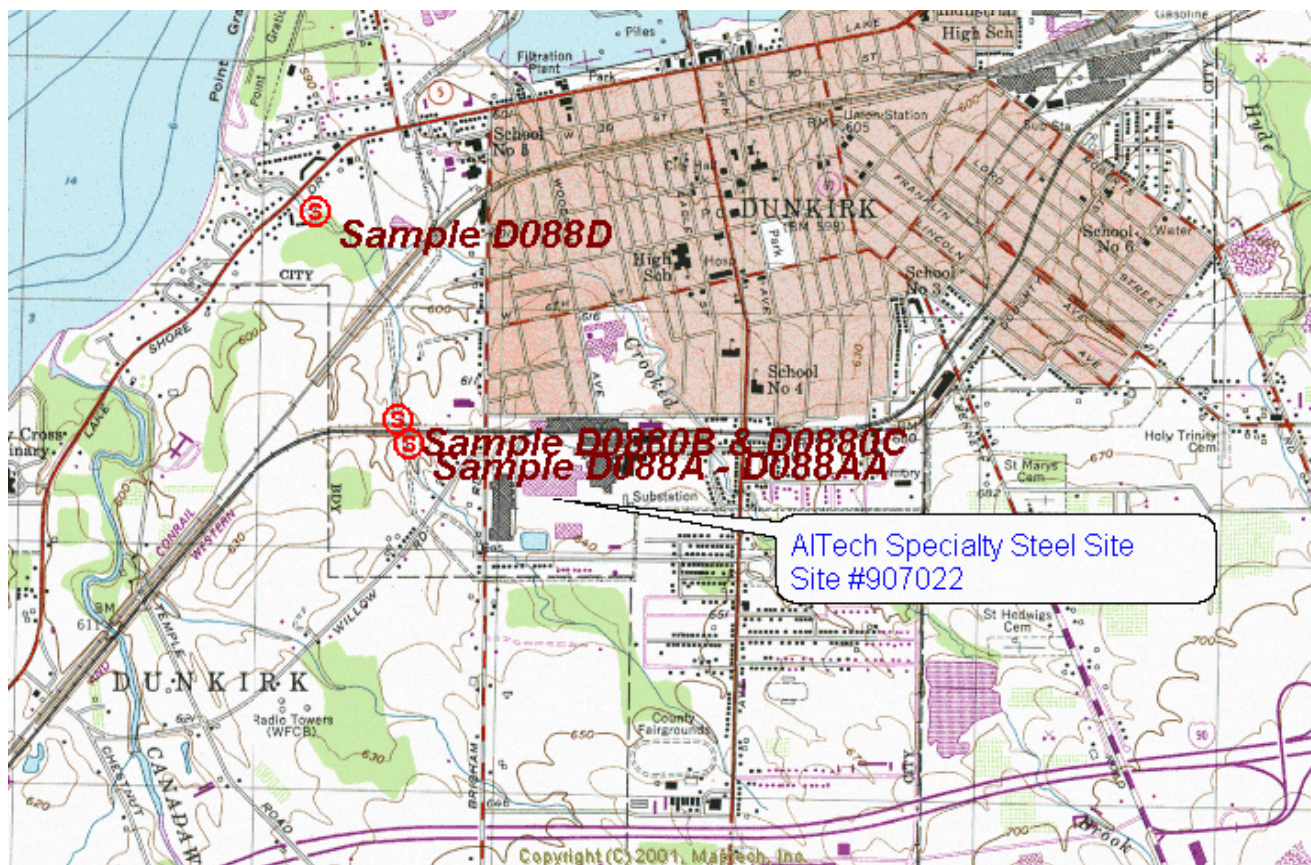
ANALYTICAL REPORT

Job#: <u>A04-C233</u>
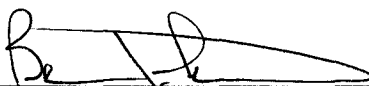
STL Project#: NY1A8770.9
SDG#: 1208
Site Name: <u>NYS DEC ASP Contract #C004154 - Region 9</u>
Task: CASE SH904

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

CC: Mr. Maurice Moore

STL Buffalo

_____
Brian J. Fischer
Project Manager

01/06/2005

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	TIME	RECEIVED DATE	TIME
A4C23301	D088A	12/08/2004	11:00	12/08/2004	14:30
A4C23302	D088AA	12/08/2004	11:05	12/08/2004	14:30
A4C23303	D088B	12/08/2004	11:20	12/08/2004	14:30
A4C23304	D088C	12/08/2004	11:25	12/08/2004	14:30
A4C23305	D088D	12/08/2004	12:00	12/08/2004	14:30

METHODS SUMMARY

Job#: <u>A04-C233</u>

STL Project#: <u>NY1A8770.9</u>
SDG#: <u>1208</u>
Site Name: <u>NYS DEC ASP Contract #C004154 - Region 9</u>

PARAMETER	ANALYTICAL METHOD
NYSDEC - METHOD 8082 - PCBS- S	ASP00 8082
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-C233

STL Project#: NY1A8770.9
SDG#: 1208
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, Dissolved Oxygen, Sulfite, and Temperature 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-C233
   Sample Cooler(s) were received at the following temperature(s); 4.6 °C
   All samples were received in good condition.

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, the recovery for sample D088D Matrix Spike exceeded quality control limits for Aroclor-1016. The Matrix Spike Duplicate and Matrix Spike Blank recoveries are compliant with quality control limits; no corrective action is indicated.

For method 8082, samples D088AA, D088C, and D088D have positive values reported for Aroclor-1248 and/or Aroclor-1254 that are above the laboratory quantification limit, but below the Project Reporting Limit. The values are flagged with a "J" to indicate this, though the values are not considered estimated and are valid numbers by method definition.

Metals Data

The recovery of sample D088A Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Nickel. Sample matrix is suspect. The RPD of sample D088A Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Nickel. However, the LCS (A4B2061101) was acceptable.

The Serial Dilution of sample D088A exceeded quality control limits for Nickel. However, the LCS (A4B2061101) was acceptable.

<u>Wet Chemistry Data</u>

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

_____1-6-94_____
Date

Client Sample ID	Lab Sample ID	Parameter (Inorganic)/Method (Organic)	Dilution	Code
D088A	A4C23301	8082	50.00	008
D088AA	A4C23302	8082	100.00	008
D088B	A4C23303	8082	50.00	008
D088C	A4C23304	8082	100.00	008
D088D	A4C23305	8082	2.00	008
D088D	A4C23305MS	8082	2.00	008
D088D	A4C23305SD	8082	2.00	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

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE IDENTIFICATION
AND
ANALYTICAL REQUEST SUMMARY

LAB NAME: SEVERN TRENT LABORATORIES, INC.

CUSTOMER SAMPLE ID	LABORATORY SAMPLE ID	ANALYTICAL REQUIREMENTS						
		VOA GC/MS	BNA GC/MS	VOA GC	PEST PCB	METALS	TCLP HERB	WATER QUALITY
D088A	A4C23301	-	-	-	ASP00	ASP00	-	ASP00
D088AA	A4C23302	-	-	-	ASP00	ASP00	-	ASP00
D088B	A4C23303	-	-	-	ASP00	ASP00	-	ASP00
D088C	A4C23304	-	-	-	ASP00	ASP00	-	ASP00
D088D	A4C23305	-	-	-	ASP00	ASP00	-	ASP00

NYSDEC-1

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
PESTICIDE/PCB ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	DATE COLLECTED	DATE RECEIVED AT LAB	DATE EXTRACTED	DATE ANALYZED
D088A	SOIL	12/08/2004	12/08/2004	12/09/2004	12/12/2004
D088AA	SOIL	12/08/2004	12/08/2004	12/09/2004	12/12/2004
D088B	SOIL	12/08/2004	12/08/2004	12/09/2004	12/12/2004
D088C	SOIL	12/08/2004	12/08/2004	12/09/2004	12/12/2004
D088D	SOIL	12/08/2004	12/08/2004	12/09/2004	12/12/2004

NYSDEC-4

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYTICAL SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	METALS REQUESTED	DATE RECEIVED AT LAB	DATE DIGESTED	DATE ANALYZED
D088A	SOIL	T NI	12/08/2004	12/09/2004	12/10/2004
D088AA	SOIL	T NI	12/08/2004	12/09/2004	12/10/2004
D088B	SOIL	T NI	12/08/2004	12/09/2004	12/10/2004
D088C	SOIL	T NI	12/08/2004	12/09/2004	12/10/2004
D088D	SOIL	T NI	12/08/2004	12/09/2004	12/10/2004

NYSDEC-5

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
ORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

SAMPLE IDENTIFICATION	MATRIX	ANALYTICAL PROTOCOL	EXTRACTION METHOD	AUXILIARY CLEAN UP	DIL/CONC FACTOR
D088A	SOIL	ASP00	SONC	NONE	SEE DILUTION LOG
D088AA	SOIL	ASP00	SONC	NONE	SEE DILUTION LOG
D088B	SOIL	ASP00	SONC	NONE	SEE DILUTION LOG
D088C	SOIL	ASP00	SONC	NONE	SEE DILUTION LOG
D088D	SOIL	ASP00	SONC	NONE	SEE DILUTION LOG

NYSDEC-6

NEW YORK STATE
DEPARTMENT OF ENVIRONMENTAL CONSERVATION

SAMPLE PREPARATION AND ANALYSIS SUMMARY
INORGANIC ANALYSIS

LAB NAME: SEVERN TRENT LABORATORIES, INC.

LABORATORY SAMPLE CODE	MATRIX	ANALYTICAL PROTOCOL	DIGESTION PROCEDURE	MATRIX MODIFIER	DIL/CONC FACTOR
D088A	SOIL	ASP00	ASP00	NONE	SEE DILUTION LOG
D088AA	SOIL	ASP00	ASP00	NONE	SEE DILUTION LOG
D088B	SOIL	ASP00	ASP00	NONE	SEE DILUTION LOG
D088C	SOIL	ASP00	ASP00	NONE	SEE DILUTION LOG
D088D	SOIL	ASP00	ASP00	NONE	SEE DILUTION LOG

NYSDEC-7

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

Client No.

D088A

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23301

Sample wt/vol: ___30.01 (g/mL) G   Lab File ID: 14A42228.TX0

% Moisture: 24.1   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: ___1.00 (uL)   Dilution Factor: 50.00

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

CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016	5300	U
11104-28-2----PCB-1221	5300	U
11141-16-5----PCB-1232	5300	U
53469-21-9----PCB-1242	5300	U
12672-29-6----PCB-1248	5800	
11097-69-1----PCB-1254	1100	J
11096-82-5----PCB-1260	5300	U

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

Client No.

D088AA

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23302

Sample wt/vol: _____ 30.81 (g/mL) G   Lab File ID: 14A42229.TX0

% Moisture: 19.1   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: _____ 1.00 (uL)   Dilution Factor: _ 100.00

GPC Cleanup: (Y/N) N pH: 8.18   Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016	9600	U
11104-28-2----PCB-1221	9600	U
11141-16-5----PCB-1232	9600	U
53469-21-9----PCB-1242	9600	U
12672-29-6----PCB-1248	6600	J
11097-69-1----PCB-1254	3300	J
11096-82-5----PCB-1260	9600	U

FORM I   GC EXT

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

Client No.

D088B

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

Matrix: (soil/water) <u>SOIL</u>   Lab Sample ID: <u>A4C23303</u>

Sample wt/vol: _____<u>30.29</u> (g/mL) <u>G</u>   Lab File ID: <u>14A42230.TX0</u>

% Moisture: <u>38.6</u>   decanted: (Y/N) <u>N</u>   Date Samp/Recv: <u>12/08/2004</u> <u>12/08/2004</u>

Extraction: (SepF/Cont/Sonc/Soxh): <u>SONC</u>   Date Extracted: <u>12/09/2004</u>

Concentrated Extract Volume: <u>10000</u>(uL)   Date Analyzed: <u>12/12/2004</u>

Injection Volume: _____<u>1.00</u>(uL)   Dilution Factor: ___<u>50.00</u>

GPC Cleanup: (Y/N) <u>N</u> pH: <u>7.31</u>   Sulfur Cleanup: (Y/N) <u>N</u>

CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----PCB-1016	6400	U
11104-28-2----PCB-1221	6400	U
11141-16-5----PCB-1232	6400	U
53469-21-9----PCB-1242	6400	U
12672-29-6----PCB-1248	7000	
11097-69-1----PCB-1254	6400	U
11096-82-5----PCB-1260	6400	U

FORM I - GC EXT

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

Client No.

D088C

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23304

Sample wt/vol: 30.83 (g/mL) G   Lab File ID: 14A42231.TX0

% Moisture: 29.8   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 100.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(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		10000	J
11097-69-1----PCB-1254		2700	J
11096-82-5----PCB-1260		11000	U

FORM I - GC EXT

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

Client No.

D088D

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23305

Sample wt/vol: 30.34 (g/mL) G   Lab File ID: 14A42232.TX0

% Moisture: 53.7   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 6.63   Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016		340	U
11104-28-2----PCB-1221		340	U
11141-16-5----PCB-1232		340	U
53469-21-9----PCB-1242		340	U
12672-29-6----PCB-1248		580	
11097-69-1----PCB-1254		290	J
11096-82-5----PCB-1260		340	U

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

| D088A |

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466610

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 76

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	199		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D088AA

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466613

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 81

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	209		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

Color After: BROWN   Clarity After: CLDY/FI   Artifacts: _____

Comments: _____

Form I - IN

ASP00

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D088B

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466614

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 61

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	256		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

Form I - IN   ASP00

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D088C

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

Matrix (soil/water):   SOIL   Lab Sample ID: AD466615

Level (low/med):   LOW   Date Received: 12/8/2004

% Solids: 70

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	348		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

Color After: BROWN   Clarity After: CLDY/FI   Artifacts: _____

Comments: _____

Form I - IN   ASP00

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

| D088D |

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466616

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 46

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	457		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

Form I - IN   ASP00

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

Client Sample No.

D088A

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23301

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.30				9045	12/10/2004

Comments:

_____
_____
_____
_____

FORM I - WC

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

Client Sample No.

| D088AA |

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

Matrix (soil/water): <u>SOIL</u>   Lab Sample ID: <u>A4C23302</u>

% Solids: _____<u>0.0</u>   Date Samp/Recv: <u>12/08/2004</u> <u>12/08/2004</u>

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.18				9045	12/10/2004

Comments:

_____
_____
_____
_____

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

Client Sample No.

D088B

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23303

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.31				9045	12/10/2004

Comments:

FORM I - WC

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

Client Sample No.

D088C

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23304

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.40				9045	12/10/2004

Comments:

_____
_____
_____
_____

FORM I - WC

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

Client Sample No.

| D088D |

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23305

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.63				9045	12/10/2004

Comments:

FORM I - WC

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

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

GC Column(1): <u>ZB-35</u>   ID: <u>0.53</u> (mm)

Level (low/med): <u>LOW</u>

	Client Sample ID	Lab Sample ID	DCBP %REC	#	TCMX %REC	#								TOT OUT
1	D088A	A4C23301	0	D	0	D								0
2	D088AA	A4C23302	0	D	0	D								0
3	D088B	A4C23303	0	D	0	D								0
4	D088C	A4C23304	0	D	0	D								0
5	D088D	A4C23305	101		86									0
6	D088D	A4C23305MS	115		88									0
7	D088D	A4C23305SD	72		68									0
8	Matrix Spike Blank	A4B2063801	91		85									0
9	Method Blank	A4B2063802	88		84									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 RECOVERY

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>   Lab Samp ID: <u>A4B2063802</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

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

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.	+ =
PCB-1260	166	169	102	41 - 139	
PCB-1016	166	160	96	39 - 131	

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

* Values outside of QC limits

Spike recovery: ____0 out of ____2 outside limits

Comments: _____
_____

FORM III CC EXT

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

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>   Lab Samp ID: <u>A4C23305</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

Matrix Spike - Client Sample No.: <u>D088D</u>   Level:(low/med) <u>LOW</u>

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC.	+ =
PCB-1260	352	0	365	104	41 - 139	
PCB-1016	352	0	575	163 *	39 - 131	

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	QC LIMITS RPD	REC.	+ =
Aroclor 1260	349	279	80	26	35	41 - 139	
Aroclor 1016	349	426	122	29	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: _____1 out of _____4 outside limits

Comments: _____

_____

FORM III QC EXT

STL BUFFALO

NYS DEC
-5A-

SPIKE SAMPLE RECOVERY

SAMPLE NO.

D088A/MS

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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

% Solids for Sample: 75.9

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
Nickel	75 - 125	462.3382		199.4591		66.00	398.3	N	P

Comments: _____

_____

_____

Form V (PART 1) - IN

ASP00

STL BUFFALO

NYS DEC
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

D088A/SD

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

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

% Solids for Sample: 75.9

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
Nickel		306.0768		199.4591		62.73	170.0	N	P

Comments: _____

_____

_____

_____

_____

STL BUFFALO

<div align="center">

NYS DEC
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

</div>

SAMPLE NO.

D088AA

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG NO.: __1208__

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
Nickel	75 - 125	1676.57		1520.15		200.0	78.2		P

Comments: _____

<div align="center">

Form V (PART 2) - IN

</div>

STL BUFFALO

NYS DEC
-6-
DUPLICATES

SAMPLE NO.

D088A/SD

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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

% Solids for Sample: 75.9   % Solids for Duplicate: 75.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Nickel		462.3382		306.0768		40.7	*	P

NYS DEC
NYS DEC ASP CONTRACT #C004154 - REGION 9
NYSDEC - METHOD 8082 - PCBS- S
METHOD BLANK SUMMARY   Client No.

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>

Method Blank

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

Lab Sample ID: <u>A4B2063802</u>   Lab File ID: <u>14A42227.TX0</u>

Matrix: (soil/water) <u>SOIL</u>   Extraction: <u>SONC</u>

Sulfur Cleanup: (Y/N): <u>N</u>   Date Extracted: <u>12/09/2004</u>

Date Analyzed (1): <u>12/11/2004</u>   Date Analyzed (2): _____

Time Analyzed (1): <u>23:57</u>   Time Analyzed (2): _____

Instrument ID (1): <u>HP5890-14</u>   Instrument ID (2): _____

GC Column (1): <u>ZB-35</u>   Dia: <u>0.53</u>(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	D088A	A4C23301	12/12/2004	
2	D088AA	A4C23302	12/12/2004	
3	D088B	A4C23303	12/12/2004	
4	D088C	A4C23304	12/12/2004	
5	D088D	A4C23305	12/12/2004	
6	D088D	A4C23305MS	12/12/2004	
7	D088D	A4C23305SD	12/12/2004	
8	Matrix Spike Blank	A4B2063801	12/11/2004	

Comments: _____
_____

FORM IV - GC EXT

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

Client No.

Method Blank

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

Matrix: (soil/water) <u>SOIL</u>   Lab Sample ID: <u>A4B2063802</u>

Sample wt/vol: <u>30.08</u> (g/mL) <u>G</u>   Lab File ID: <u>14A42227.TX0</u>

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

Extraction: (SepF/Cont/Sonc/Soxh): <u>SONC</u>   Date Extracted: <u>12/09/2004</u>

Concentrated Extract Volume: <u>10000</u>(uL)   Date Analyzed: <u>12/11/2004</u>

Injection Volume: <u>1.00</u>(uL)   Dilution Factor: <u>1.00</u>

GPC Cleanup: (Y/N) <u>N</u> pH: _   Sulfur Cleanup: (Y/N) <u>N</u>

CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----PCB-1016	80	U
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	80	U

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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)							Preparation Blank		C	M
			1	C	2	C	3	C			C		
Nickel	0.7	U	0.7	U	0.7	U	0.7	U		0.066	U		P

Comments:

Form III - IN

ASP00

STL BUFFALO

<div align="center">

NYS DEC

-3-

BLANKS

</div>

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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)						Preparation Blank		C		M
			1	C	2	C	3	C					
Nickel			0.7	U	0.7	U	0.7	U					P

Comments:

<div align="center">

Form III - IN

</div>

STL BUFFALO

NYS DEC
-3-
BLANKS

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG NO.: __1208__

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)							Preparation Blank		C	M
			1	C	2	C	3	C					
Nickel			0.7	U									P

Comments:

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.

SAMPLE DATA PACKAGE

SDG NARRATIVE

SAMPLE SUMMARY

		SAMPLED		RECEIVED	
LAB SAMPLE ID	CLIENT SAMPLE ID	DATE	TIME	DATE	TIME
A4C23301	D088A	12/08/2004	11:00	12/08/2004	14:30
A4C23302	D088AA	12/08/2004	11:05	12/08/2004	14:30
A4C23303	D088B	12/08/2004	11:20	12/08/2004	14:30
A4C23304	D088C	12/08/2004	11:25	12/08/2004	14:30
A4C23305	D088D	12/08/2004	12:00	12/08/2004	14:30

METHODS SUMMARY

Job#: <u>A04-C233</u>

STL Project#: <u>NY1A8770.9</u>
SDG#: <u>1208</u>
Site Name: <u>NYS DEC ASP Contract #C004154 - Region 9</u>

PARAMETER	ANALYTICAL METHOD	
NYSDEC - METHOD 8082 - PCBS- S	ASP00	8082
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-C233

STL Project#: NY1A8770.9
SDG#: 1208
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, Dissolved Oxygen, Sulfite, and Temperature 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-C233
    Sample Cooler(s) were received at the following temperature(s); 4.6 °C
    All samples were received in good condition.

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, the recovery for sample D088D Matrix Spike exceeded quality control limits for Aroclor-1016. The Matrix Spike Duplicate and Matrix Spike Blank recoveries are compliant with quality control limits; no corrective action is indicated.

For method 8082, samples D088AA, D088C, and D088D have positive values reported for Aroclor-1248 and/or Aroclor-1254 that are above the laboratory quantification limit, but below the Project Reporting Limit. The values are flagged with a "J" to indicate this, though the values are not considered estimated and are valid numbers by method definition.

Metals Data

The recovery of sample D088A Matrix Spike and Matrix Spike Duplicate exhibited results above the quality control limits for Nickel. Sample matrix is suspect. The RPD of sample D088A Matrix Spike and Matrix Spike Duplicate exceeded quality control limits for Nickel. However, the LCS (A4B2061101) was acceptable.

The Serial Dilution of sample D088A exceeded quality control limits for Nickel. However, the LCS (A4B2061101) was acceptable.

<u>Wet Chemistry Data</u>

No deviations from protocol were encountered during the analytical procedures.

<div align="center">********</div>

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

1-6-04

Date

CHAIN OF CUSTODY DOCUMENTATION

Chain of Custody Record

STL-4124 (0901)

SEVERN TRENT STL
Severn Trent Laboratories, Inc.

Field	Value
Client	New York State DEC
Address	870 Michigan Ave
City	Buffalo	State	NY	Zip Code	14203
Project Name and Location (State)	AUTCH - DUNKIRK NY
Contract/Purchase Order/Quote No.	
Project Manager	MAURICE MOORE
Telephone Number (Area Code)/Fax Number	716 851-7220
Site Contact	
Lab Contact	
Carrier/Waybill Number	
Chain of Custody Number	169228
Date	12/08/04
Lab Number	
Page	1 of 1

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	PCB's	Nickel
DO88 A	12/08/04	1100			X								✓	✓
DO88 AA		1105			X								✓	✓
DO88 B		1120			X								✓	✓
DO88 C		1125			X								✓	✓
DO88 D		1206			X								✓	✓

Containers & Preservatives / **Matrix**

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

Turn Around Time Required
☐ 24 Hours ☐ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STANDARD

Sample Disposal
☐ Return To Client ☑ Disposal By Lab ☐ Archive For _____ Months

(A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

Special Instructions/Conditions of Receipt

	Date	Time		Received By	Date	Time
1. Relinquished By	12/08/04	1400	1. Received By	David Bayard	12/08/04	1409 hrs
2. Relinquished By	14/08/04	1130	2. Received By	STL-Buffalo	12-8-04	1430
3. Relinquished By			3. Received B			Time

Comments: 4.6° C

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _PCBs + Nickel_	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

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

CONTRACT LABORATORY: STL	COUNTY: Chaut.	SAMPLING DATE: 12/08/04	MILITARY TIME: 1100

SAMPLE MATRIX:

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

CASE NO. 51H91014	SDG NO. 12081	SAMPLE NO. D10818 1A1	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☒ Grab ☐ Composite ☐ Term ____ hours

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

SAMPLING POINT:

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

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _PCB'S - nickel_	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

COLLECTED BY: _M. Moore_	TELEPHONE NUMBER: _716 851-7220_	REGION NO.: _9_

CONTRACT LABORATORY: _STL_	COUNTY: _Chautauqua_	SAMPLING DATE: _12/08/04_	MILITARY TIME: _1105_

SAMPLE MATRIX:

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

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE	
S1491014	12081	D1081 A A	☐ This sample	☑ Grab ☐ Composite ☐ Term	hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number _____

Check if sampling is part of inspection ☐

FLOW: _____ GPD	_____ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

SEND THIS SHEET WITH SAMPLE TO CONTACT LAB

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _PCB's + nickel_	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

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

CONTRACT LABORATORY: STL	COUNTY: Chautauqua	SAMPLING DATE: 12/01/04	MILITARY TIME: 1120

SAMPLE MATRIX:

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

CASE NO. 5H9104	SDG NO. 12081	SAMPLE NO. D10818	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☒ Grab ☐ Composite ☐ Term _____ hours

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

Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | | | |

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 624.2 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   *PCB's + Nickel*

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

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

CONTRACT LABORATORY: STL   **COUNTY:** Chautauqua   **SAMPLING DATE:** 12/08/04   **MILITARY TIME:** 1125

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

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
5 4190 4	12 1281	10 881C1	☐ This sample	☑ Grab ☐ Composite ☐ Term ____ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.   Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ | Outfall Number

Check if sampling is part of inspection ☐

FLOW: _____ GPD   _____ MGD

SPDES NUMBER/REGISTRY NUMBER

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _PCB's + Nickel_	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

COLLECTED BY: M. Moore	TELEPHONE NUMBER: 716 851-7220	REGION NO.: 9
CONTRACT LABORATORY: STL	COUNTY: Chautauqua	SAMPLING DATE: 12/08/04 — MILITARY TIME: 1200

SAMPLE MATRIX:

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

CASE NO.	SDG NO.	SAMPLE NO.	CHECK FOR MS/MD	TYPE OF SAMPLE
51H9014	D10181Y1	D1018181	☐ This sample	☒ Grab ☐ Composite ☐ Term ___ hours

☐ Check if there will be more samples with this SDG sent in this calendar week.   Report via Category B, unless checked ☐

SAMPLING POINT:

Check if field duplicate ☐ Outfall Number _____

Check if sampling is part of inspection ☐

FLOW: _____ GPD _____ MGD

SPDES NUMBER/REGISTRY NUMBER

| | | | | |

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.: 1208

GC Column(1): ZB-35   ID: 0.53 (mm)

Level (low/med): LOW

	Client Sample ID	Lab Sample ID	DCBP %REC	#	TCMX %REC	#							TOT OUT
1	D088A	A4C23301	0	D	0	D							0
2	D088AA	A4C23302	0	D	0	D							0
3	D088B	A4C23303	0	D	0	D							0
4	D088C	A4C23304	0	D	0	D							0
5	D088D	A4C23305	101		86								0
6	D088D	A4C23305MS	115		88								0
7	D088D	A4C23305SD	72		68								0
8	Matrix Spike Blank	A4B2063801	91		85								0
9	Method Blank	A4B2063802	88		84								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

FORM II - GC EXT

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

Lab Name: <u>STL Buffalo</u>   Contract: <u>C004154</u>   Lab Samp ID: <u>A4B2063802</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

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

COMPOUND	SPIKE ADDED UG/KG	MSB CONCENTRATION UG/KG	MSB % REC #	QC LIMITS REC.	+ =
PCB-1260	166	169	102	41 - 139	
PCB-1016	166	160	96	39 - 131	

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

* Values outside of QC limits

Spike recovery: ____0 out of ____2 outside limits

Comments: _____

_____

FORM III GC EXT

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

Lab Name: STL Buffalo   Contract: C004154   Lab Samp ID: A4C23305

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix Spike - Client Sample No.: D088D   Level:(low/med) LOW

COMPOUND	SPIKE ADDED UG/KG	SAMPLE CONCENTRATION UG/KG	MS CONCENTRATION UG/KG	MS % REC #	QC LIMITS REC.	+ =
PCB-1260	352	0	365	104	41 - 139	
PCB-1016	352	0	575	163 *	39 - 131	

COMPOUND	SPIKE ADDED UG/KG	MSD CONCENTRATION UG/KG	MSD % REC #	% RPD #	RPD	QC LIMITS REC.	+ =
Aroclor 1260	349	279	80	26	35	41 - 139	
Aroclor 1016	349	426	122	29	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: ____1 out of ____4 outside limits

Comments: _____
_____

FORM III GC EXT

Client No.

┌─────────────────────┐
│ Method Blank   │
└─────────────────────┘

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Lab Sample ID: A4B2063802   Lab File ID: 14A42227.TX0

Matrix: (soil/water) SOIL   Extraction: SONC

Sulfur Cleanup: (Y/N): N   Date Extracted: 12/09/2004

Date Analyzed (1): 12/11/2004   Date Analyzed (2): _____

Time Analyzed (1): 23:57   Time Analyzed (2): _____

Instrument ID (1): HP5890-14   Instrument ID (2): _____

GC Column (1): ZB-35   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	D088A	A4C23301	12/12/2004	
2	D088AA	A4C23302	12/12/2004	
3	D088B	A4C23303	12/12/2004	
4	D088C	A4C23304	12/12/2004	
5	D088D	A4C23305	12/12/2004	
6	D088D	A4C23305MS	12/12/2004	
7	D088D	A4C23305SD	12/12/2004	
8	Matrix Spike Blank	A4B2063801	12/11/2004	

Comments: _____

FORM IV - GC EXT

Date: 01/06/2005   Page: 1
Time: 08:53:02   Rept: AN1368

Laboratory: A
Project Manager: BJF

Compare Client DL for PROJECT NY1A8770.9 and Task 1 to Lab MDL
For METHOD: 8082   PROTOCOL: ASP00

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E I

Fraction: GE

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E I
NYS DEC	NY1A8770.9	1	Aroclor 1016	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	0.62170	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1016	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.05990	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1221	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	2.40840	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1221	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.10710	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1232	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	5.55870	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1232	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.13750	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1242	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	1.64810	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1242	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.04100	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1248	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	0.91590	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1248	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.07830	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1254	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	2.18200	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1254	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.06480	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1260	CRQL	ASP00	8082	CTA12950	S	UG/KG		80.00000	1.30650	N	N
NYS DEC	NY1A8770.9	1	Aroclor 1260	CRQL	ASP00	8082	CTA13957	W	UG/L		0.50000	0.04140	N	N

ET - Exception Types: N - MDL "Not Found"   * - TDL=0 or MDL=0   M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)   E - TDL>CDL (TDL Type CDL)

M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)   E - TDL>CDL (TDL Type CDL)

SAMPLE DATA

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

Client No.

D088A

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23301

Sample wt/vol: ____30.01 (g/mL) G   Lab File ID: 14A42228.TX0

% Moisture: 24.1   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000(uL)   Date Analyzed: 12/12/2004

Injection Volume: ____1.00(uL)   Dilution Factor: ____50.00

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

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG   Q

CAS NO.	COMPOUND		Q
12674-11-2	PCB-1016	5300	U
11104-28-2	PCB-1221	5300	U
11141-16-5	PCB-1232	5300	U
53469-21-9	PCB-1242	5300	U
12672-29-6	PCB-1248	5800	
11097-69-1	PCB-1254	1100	J
11096-82-5	PCB-1260	5300	U

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:30:40	
Reprocess Number	: buf2042: 38978				
Operator	: tchrom		Sample Name	: AS40014806	
Sample Number	: A4C23301		Study	: CTA12950	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: A	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 50.00	
Data Acquisition Time	: 12/12/2004 00:09:28		Cycle	: 54	

Raw Data File : H:\TURBO6\5890-14\14a42228.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42228.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42228.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42228.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42228.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
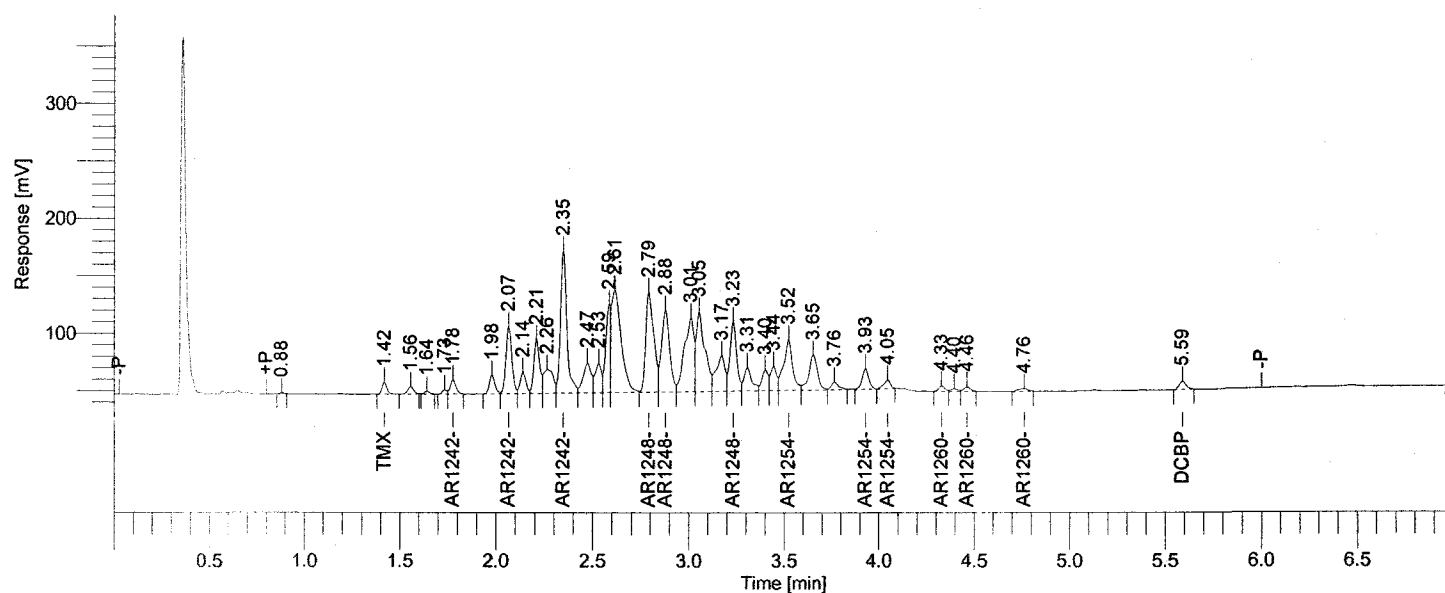
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.42	BV	17619	TMX	4e-05	-------	0
	2.35		439633	AR1242	0.2287	0.0762	3
	2.79		617589	AR1248	0.2683	0.0894	3
	3.52		207115	AR1254	0.0533	0.0178	3
	4.33		26757	AR1260	9e-03	-3e-03	3
35	5.59	BB	17761	DCBP	4e-04	-------	0
			1326473			0.1803	

12/13/2004 09:30:40 Result: H:\TURBO6\5890-14\14a42228.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.78	VB	25077	AR1242-A	0.0823	0.0274	3
8	2.07	VV	124871	AR1242-B	0.1869	0.0623	3
12	2.35	VV	289684	AR1242-C	0.3050	0.1017	3
			439633			0.1914	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
17	2.79	VV	253314	AR1248-A	0.2881	0.0960	3
18	2.88	VV	215116	AR1248-B	0.2880	0.0960	3
22	3.23	VV	149159	AR1248-C	0.2208	0.0736	3
			617589			0.2656	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
26	3.52	VV	144903	AR1254-A	0.0864	0.0288	3
29	3.93	VB	43883	AR1254-B	0.0431	0.0144	3
30	4.05	BB	18328	AR1254-C	0.0154	0.0051	3
			207115			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	4.33	BV	10104	AR1260-A	-7e-03	-2e-03	3
33	4.46	VB	8548	AR1260-B	-0.0108	-4e-03	3
34	4.76	BB	8104	AR1260-C	-9e-03	-3e-03	3
			26757			-9e-03	

Software Version	: 6.2.1.0.104:0104	Date	: 12/13/2004 09:30:42
Reprocess Number	: buf2042: 38979		
Operator	: tchrom	Sample Name	: AS40014806
Sample Number	: A4C23301	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 50.00
Data Acquisition Time	: 12/12/2004 00:09:28	Cycle	: 54

Raw Data File : H:\TURBO6\5890-14\14b42228.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42228.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42228.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42228.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42228.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
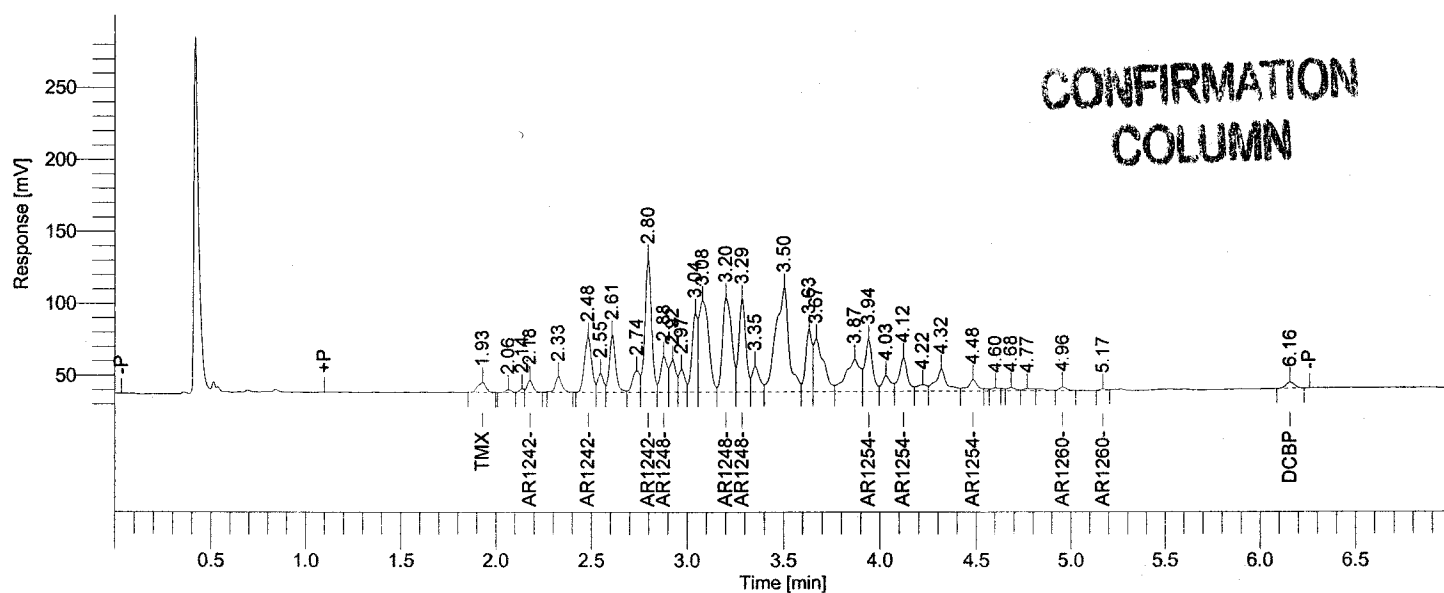
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.93	BB	21321	TMX	3.5e-04	-------	0
	2.80		342800	AR1242	0.2213	0.0738	3
	3.20		440199	AR1248	0.2907	0.0969	3
	3.94		195015	AR1254	0.0636	0.0212	3
	4.96		8660	AR1260	7e-03	-2e-03	3
34	6.16	BB	13428	DCBP	5e-04	-------	0
			1021423			0.1896	

12/13/2004 09:30:42 Result: H:\TURBO6\5890-14\14b42228.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	2.18	VV	19008	AR1242-A	0.0794	0.0265	3
6	2.48	VV	101913	AR1242-B	0.1729	0.0576	3
10	2.80	VV	221878	AR1242-C	0.3081	0.1027	3
			342800			0.1868	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	2.88	VV	60794	AR1248-A	0.2542	0.0847	3
16	3.20	VV	216402	AR1248-B	0.2985	0.0995	3
17	3.29	VV	163003	AR1248-C	0.2964	0.0988	3
			440199			0.2830	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
23	3.94	VV	98820	AR1254-A	0.0975	0.0325	3
25	4.12	VV	68410	AR1254-B	0.0713	0.0238	3
28	4.48	VV	27786	AR1254-C	0.0254	0.0085	3
			195015			0.0647	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.96	VB	6704	AR1260-A	-7e-03	-2e-03	3
33	5.17	BB	1955	AR1260-B	-7e-03	-2e-03	3
-	5.60		0	AR1260-C	0.0000	-------	-
			8660			-4e-03	

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

Client No.

D088AA

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23302

Sample wt/vol: 30.81 (g/mL) G   Lab File ID: 14A42229.TX0

% Moisture: 19.1   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 100.00

GPC Cleanup: (Y/N) N pH: 8.18   Sulfur Cleanup: (Y/N) N

| | | CONCENTRATION UNITS: | |
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016		9600	U
11104-28-2----PCB-1221		9600	U
11141-16-5----PCB-1232		9600	U
53469-21-9----PCB-1242		9600	U
12672-29-6----PCB-1248		6600	J
11097-69-1----PCB-1254		3300	J
11096-82-5----PCB-1260		9600	U

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:30:45	
Reprocess Number	: buf2042: 38980				
Operator	: tchrom		Sample Name	: AS40014807	
Sample Number	: A4C23302		Study	: CTA12950	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: A	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 100.00	
Data Acquisition Time	: 12/12/2004 00:21:55		Cycle	: 55	

Raw Data File : H:\TURBO6\5890-14\14a42229.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42229.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42229.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42229.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42229.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
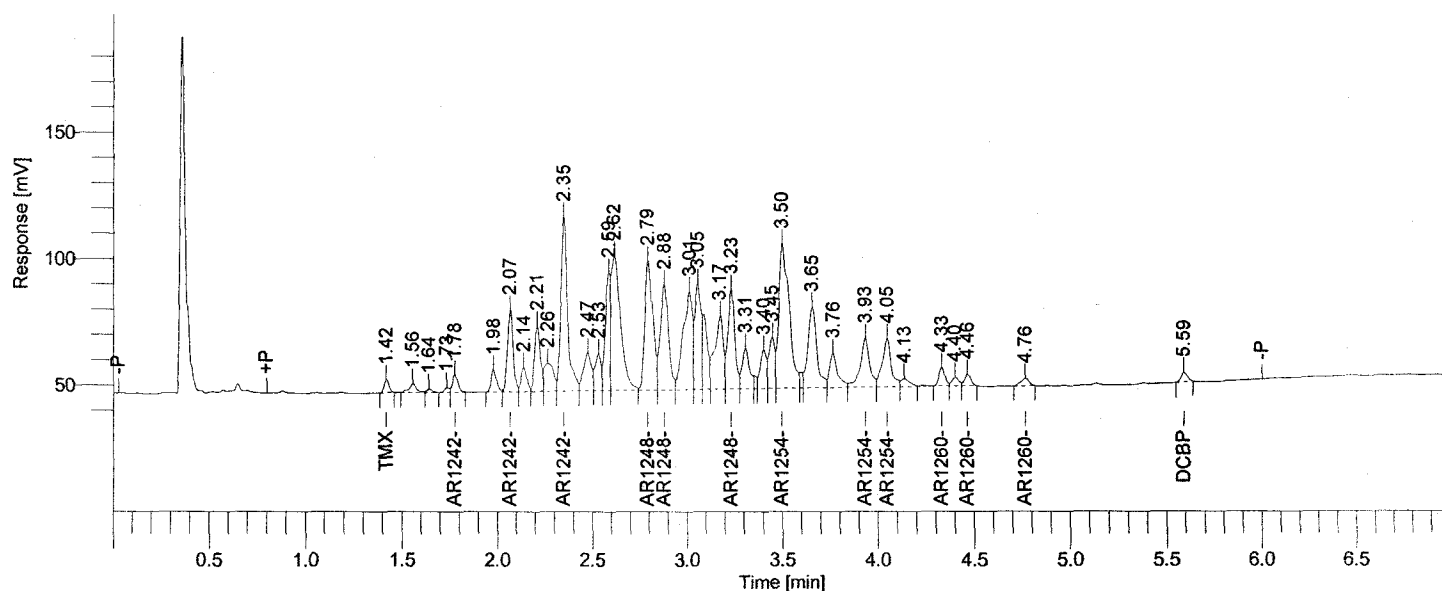
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.42	BB	8907	TMX	~~5e-04~~	-------	0
	2.35		251322	AR1242	~~0.1307~~	0.0436	3
	2.79		379251	AR1248	~~0.1648~~	0.0549	3
	3.50		343136	AR1254	~~0.0883~~	0.0294	3
	4.33		35871	AR1260	~~7e-03~~	-2e-03	3
35	5.59	BB	8749	DCBP	~~1e-03~~	-------	0
			1027236			0.1256	

12/13/2004 09:30:45 Result: H:\TURBO6\5890-14\14a42229.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.78	VB	14100	AR1242-A	0.0463	0.0154	3
7	2.07	VV	69105	AR1242-B	0.1034	0.0345	3
11	2.35	VV	168116	AR1242-C	0.1770	0.0590	3
			251322			0.1089	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.79	VV	150386	AR1248-A	0.1711	0.0570	3
17	2.88	VV	127008	AR1248-B	0.1700	0.0567	3
21	3.23	VV	101857	AR1248-C	0.1507	0.0502	3
			379251			0.1639	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
25	3.50	VV	215213	AR1254-A	0.1283	0.0428	3
28	3.93	VV	65747	AR1254-B	0.0646	0.0215	3
29	4.05	VV	62176	AR1254-C	0.0523	0.0174	3
			343136			0.0817	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
31	4.33	VV	16199	AR1260-A	3.2e-04	1.1e-04	3
33	4.46	VB	10503	AR1260-B	-1e-02	-3e-03	3
34	4.76	BB	9169	AR1260-C	-9e-03	-3e-03	3
			35871			-6e-03	

Software Version	: 6.2.1.0.104:0104	Date	: 12/13/2004 09:30:47
Reprocess Number	: buf2042: 38981		
Operator	: tchrom	Sample Name	: AS40014807
Sample Number	: A4C23302	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 100.00
Data Acquisition Time	: 12/12/2004 00:21:55	Cycle	: 55

Raw Data File : H:\TURBO6\5890-14\14b42229.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42229.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42229.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42229.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42229.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
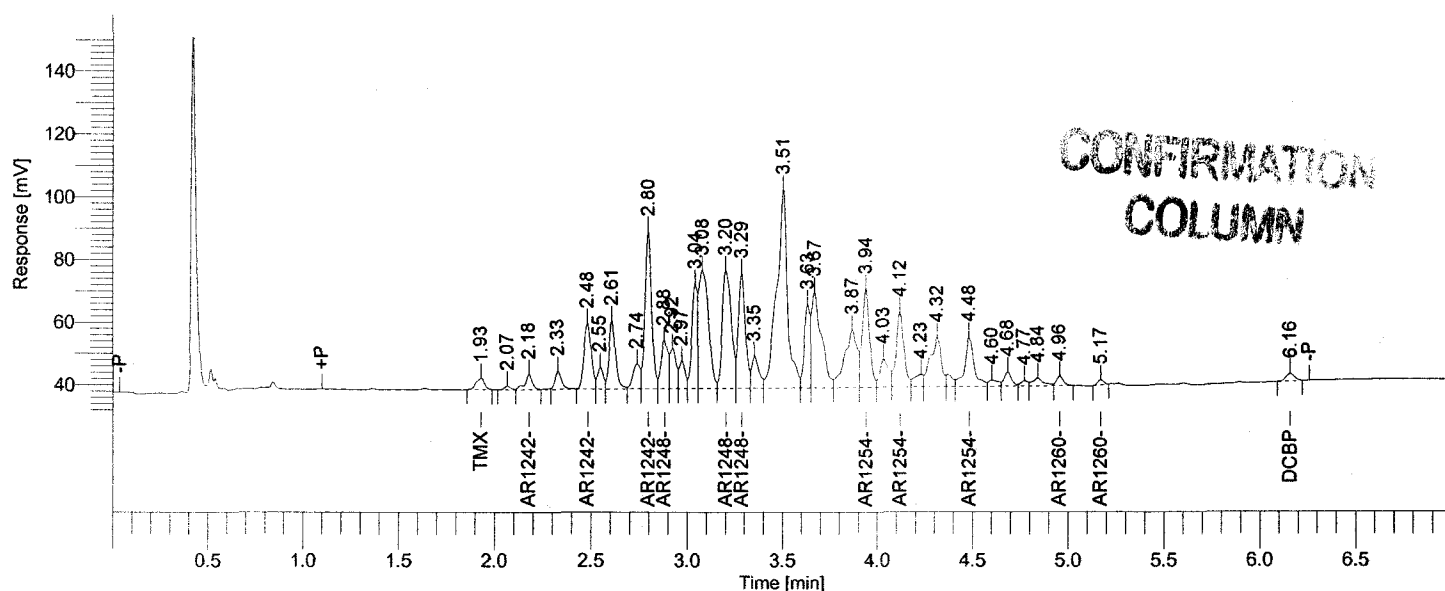
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.93	BB	10896	TMX	4e-04	-------	0
	2.80		189244	AR1242	0.1222	0.0407	3
	3.20		256547	AR1248	0.1694	0.0565	3
	3.94		204470	AR1254	0.0667	0.0222	3
	4.96		11097	AR1260	6e-03	-2e-03	3
34	6.16	BB	7164	DCBP	9e-04	-------	0
			679417			0.1175	

12/13/2004 09:30:47 Result: H:\TURBO6\5890-14\14b42229.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	2.18	VV	12697	AR1242-A	0.0530	0.0177	3
5	2.48	VV	55061	AR1242-B	0.0934	0.0311	3
9	2.80	VV	121486	AR1242-C	0.1687	0.0562	3
			189244			0.1050	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	2.88	VV	38978	AR1248-A	0.1630	0.0543	3
15	3.20	VV	124405	AR1248-B	0.1716	0.0572	3
16	3.29	VV	93164	AR1248-C	0.1694	0.0565	3
			256547			0.1680	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
22	3.94	VV	84170	AR1254-A	0.0830	0.0277	3
24	4.12	VV	67593	AR1254-B	0.0704	0.0235	3
27	4.48	VV	52707	AR1254-C	0.0482	0.0161	3
			204470			0.0672	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.96	VB	7566	AR1260-A	-6e-03	-2e-03	3
33	5.17	BB	3530	AR1260-B	-4e-03	-1e-03	3
-	5.60		0	AR1260-C	0.0000	-----	-
			11097			-3e-03	

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

Client No.

D088B

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23303

Sample wt/vol: 30.29 (g/mL) G   Lab File ID: 14A42230.TX0

% Moisture: 38.6   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 50.00

GPC Cleanup: (Y/N) N pH: 7.31   Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016	6400	U
11104-28-2----PCB-1221	6400	U
11141-16-5----PCB-1232	6400	U
53469-21-9----PCB-1242	6400	U
12672-29-6----PCB-1248	7000	
11097-69-1----PCB-1254	6400	U
11096-82-5----PCB-1260	6400	U

FORM I - GC EXT

Software Version : 6.2.1.0.104:0104
Reprocess Number : buf2046: 17172
Operator : tchrom
Sample Number : A4C23303
AutoSampler : HP 7673A
Instrument Name : 5890-14
Interface Serial # : 9205571207
Delay Time : 0.00 min
Sampling Rate : 16.6660 pts/s
Sample Volume : 1.000000 uL
Sample Amount : 1.0000
Data Acquisition Time : 12/12/2004 00:34:17

Date : 12/14/2004 13:53:30

Sample Name : AS40014808
Study : CTA12950
Rack/Vial : 0/0
Channel : BA
A/D mV Range : 1000
End Time : 7.00 min

Area Reject : 3000.000000
Dilution Factor : 50.00
Cycle : 1

(handwritten: AN 12/14/04 File Switched in Totalchrom)

Raw Data File : H:\TURBO6\5890-14\14a42230.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42230.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42230.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42230.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42230.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.42	BB	19096	TMX	3.4e-05	-------	0
	2.35		424886	AR1242	0.2210	0.0737	3
	2.79		605379	AR1248	0.2630	0.0877	3
	3.50		339096	AR1254	0.0873	0.0291	3
	4.33		38234	AR1260	-6e-03	-2e-03	3
37	5.59	BB	19601	DCBP	-3e-04	-------	0
			1446293			0.1883	

12/14/2004 13:53:30 Result: H:\TURBO6\5890-14\14a42230.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.78	VV	22160	AR1242-A	0.0727	0.0242	3
9	2.07	VV	100652	AR1242-B	0.1507	0.0502	3
13	2.35	VV	302075	AR1242-C	0.3180	0.1060	3
			424886			0.1805	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
18	2.79	VV	244884	AR1248-A	0.2785	0.0928	3
19	2.88	VV	207116	AR1248-B	0.2772	0.0924	3
23	3.23	VV	153380	AR1248-C	0.2270	0.0757	3
			605379			0.2609	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
27	3.50	VV	267787	AR1254-A	0.1596	0.0532	3
30	3.93	BB	49139	AR1254-B	0.0483	0.0161	3
31	4.05	BB	22170	AR1254-C	0.0186	0.0062	3
			339096			0.0755	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
32	4.33	BV	12688	AR1260-A	-4e-03	-1e-03	3
34	4.46	VB	12721	AR1260-B	-8e-03	-3e-03	3
35	4.76	BB	12824	AR1260-C	-6e-03	-2e-03	3
			38234			-6e-03	

Software Version	: 6.2.1.0.104:0104	Date	: 12/14/2004 13:53:32	
Reprocess Number	: buf2046: 17173			
Operator	: tchrom	Sample Name	: AS40014808	
Sample Number	: A4C23303	Study	: CTA12950	
AutoSampler	: HP 7673A	Rack/Vial	: 0/0	
Instrument Name	: 5890-14	Channel	: AB	
Interface Serial #	: 9205571207	A/D mV Range	: 1000	
Delay Time	: 0.00 min	End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000	
Sample Amount	: 1.0000	Dilution Factor	: 50.00	
Data Acquisition Time	: 12/12/2004 00:34:17	Cycle	: 1	

(handwritten: DW 12/14/04 File switched in total chrom)

Raw Data File : H:\TURBO6\5890-14\14b42230.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42230.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42230.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42230.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42230.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq

CONFIRMATION COLUMN
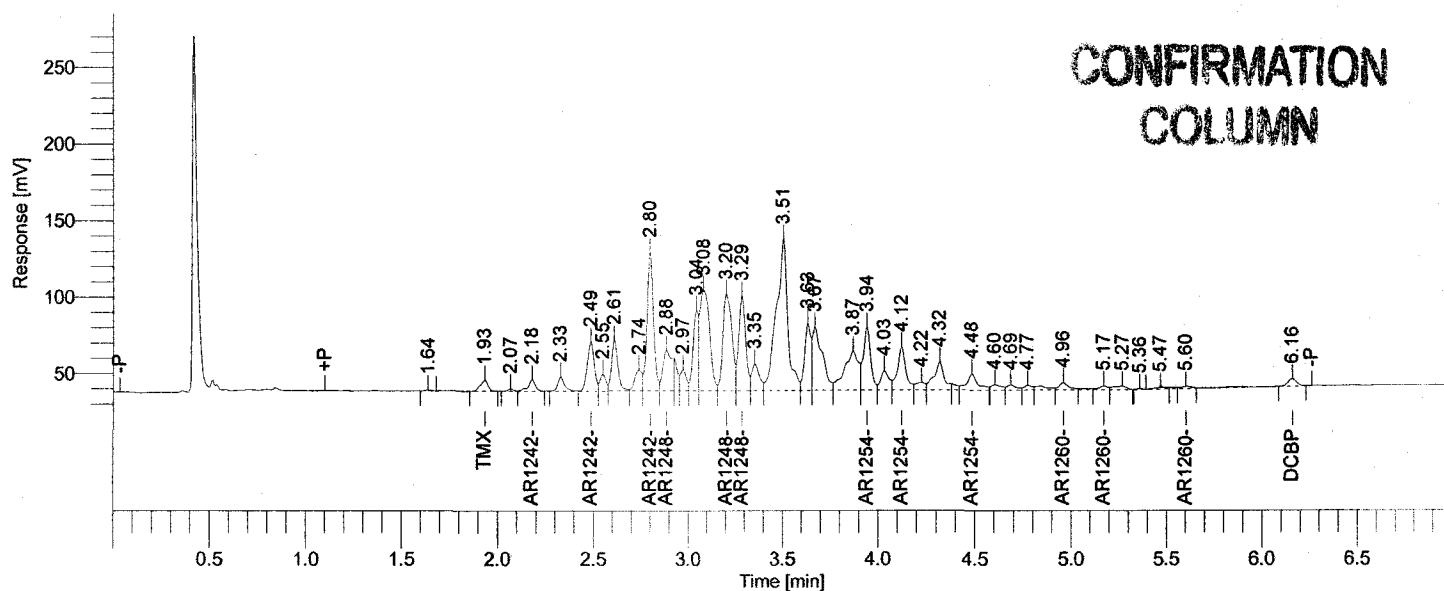
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.93	VB	19740	TMX	2.4e-04	-------	0
	2.80		318426	AR1242	0.2056	0.0685	3
	3.20		459047	AR1248	0.3032	0.1011	3
	3.94		239649	AR1254	0.0781	0.0260	3
	4.96		30096	AR1260	0.0020	6.6e-04	3
37	6.16	VB	15018	DCBP	-4e-04	-------	0
			1081975			0.1963	

12/14/2004 13:53:32 Result: H:\TURBO6\5890-14\14b42230.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	2.18	VV	19913	AR1242-A	0.0832	0.0277	3
6	2.49	VV	82271	AR1242-B	0.1396	0.0465	3
10	2.80	VV	216243	AR1242-C	0.3003	0.1001	3
			318426			0.1743	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	2.88	VV	90779	AR1248-A	0.3795	0.1265	3
15	3.20	VV	211238	AR1248-B	0.2913	0.0971	3
16	3.29	VV	157031	AR1248-C	0.2856	0.0952	3
			459047			0.3188	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
22	3.94	VV	111125	AR1254-A	0.1096	0.0365	3
24	4.12	VV	85801	AR1254-B	0.0894	0.0298	3
27	4.48	VV	42722	AR1254-C	0.0391	0.0130	3
			239649			0.0793	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
31	4.96	VV	16719	AR1260-A	4.6e-04	1.5e-04	3
32	5.17	VV	8277	AR1260-B	0.0030	0.0010	3
36	5.60	VV	5099	AR1260-C	0.0066	0.0022	3
			30096			0.0034	

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

Client No.

D088C

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23304

Sample wt/vol: 30.83 (g/mL) G   Lab File ID: 14A42231.TX0

% Moisture: 29.8   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 100.00

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

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(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		10000	J
11097-69-1----PCB-1254		2700	J
11096-82-5----PCB-1260		11000	U

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:30:55
Reprocess Number	: buf2042: 38984			
Operator	: tchrom		Sample Name	: AS40014809
Sample Number	: A4C23304		Study	: CTA12950
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: A
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 100.00
Data Acquisition Time	: 12/12/2004 00:46:42		Cycle	: 57

Raw Data File : H:\TURBO6\5890-14\14a42231.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42231.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42231.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42231.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42231.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
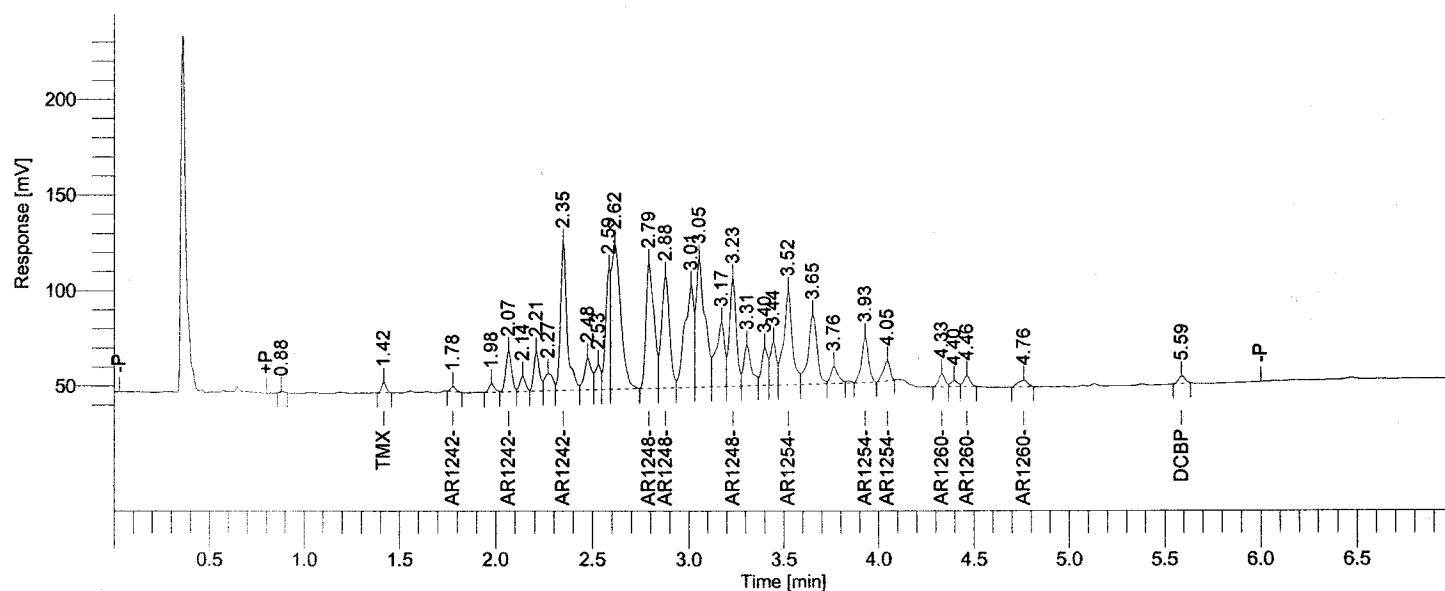
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.42	BB	9548	TMX	4e-04	-------	0
	2.35		238260	AR1242	0.1239	0.0413	3
	2.79		502694	AR1248	0.2184	0.0728	3
	3.52		242282	AR1254	0.0624	0.0208	3
	4.33		40860	AR1260	-6e-03	-2e-03	3
32	5.59	BB	9450	DCBP	9e-04	-------	0
			1043094			0.1330	

12/13/2004 09:30:55 Result: H:\TURBO6\5890-14\14a42231.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.78	BB	4982	AR1242-A	0.0164	0.0055	3
5	2.07	VV	44844	AR1242-B	0.0671	0.0224	3
9	2.35	VV	188433	AR1242-C	0.1984	0.0661	3
			238260			0.0940	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
14	2.79	BV	191901	AR1248-A	0.2183	0.0728	3
15	2.88	VV	170539	AR1248-B	0.2283	0.0761	3
19	3.23	VV	140253	AR1248-C	0.2076	0.0692	3
			502694			0.2180	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
23	3.52	VV	155430	AR1254-A	0.0927	0.0309	3
26	3.93	VB	60953	AR1254-B	0.0599	0.0200	3
27	4.05	BB	25899	AR1254-C	0.0218	0.0073	3
			242282			0.0581	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
28	4.33	BV	15632	AR1260-A	-3e-04	-1e-04	3
30	4.46	VB	13270	AR1260-B	-8e-03	-3e-03	3
31	4.76	BB	11958	AR1260-C	-7e-03	-2e-03	3
			40860			-5e-03	

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:30:57
Reprocess Number	: buf2042: 38985			
Operator	: tchrom		Sample Name	: AS40014809
Sample Number	: A4C23304		Study	: CTA12950
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: B
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 100.00
Data Acquisition Time	: 12/12/2004 00:46:42		Cycle	: 57

Raw Data File : H:\TURBO6\5890-14\14b42231.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42231.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42231.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42231.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42231.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
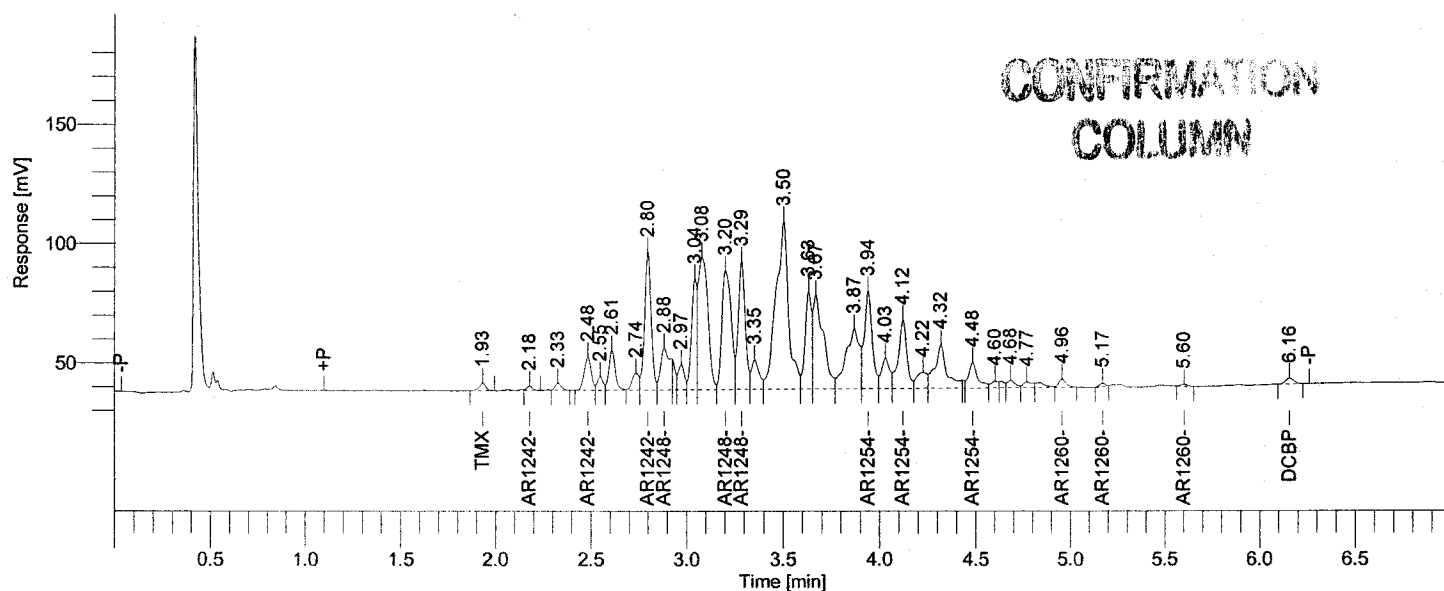
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
1	1.93	BV	7145	TMX	-7e-04	-------	0
	2.80		176025	AR1242	0.1136	0.0379	3
	3.29		358218	AR1248	0.2366	0.0789	3
	3.94		238835	AR1254	0.0779	0.0260	3
	4.96		14546	AR1260	-4e-03	-1e-03	3
32	6.16	BB	7415	DCBP	-9e-04	-------	0
			802185			0.1412	

12/13/2004 09:30:57 Result: H:\TURBO6\5890-14\14b42231.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	2.18	VV	3933	AR1242-A	0.0164	0.0055	3
4	2.48	BV	35506	AR1242-B	0.0602	0.0201	3
8	2.80	VV	136586	AR1242-C	0.1897	0.0632	3
			176025			0.0888	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	2.88	VV	58089	AR1248-A	0.2429	0.0810	3
13	3.20	VV	165613	AR1248-B	0.2284	0.0761	3
14	3.29	VV	134517	AR1248-C	0.2446	0.0815	3
			358218			0.2386	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
20	3.94	VV	115594	AR1254-A	0.1140	0.0380	3
22	4.12	VV	87317	AR1254-B	0.0909	0.0303	3
25	4.48	VV	35924	AR1254-C	0.0328	0.0109	3
			238835			0.0793	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
29	4.96	VB	9626	AR1260-A	-4e-03	-1e-03	3
30	5.17	BB	2925	AR1260-B	-5e-03	-2e-03	3
31	5.60	BB	1995	AR1260-C	-3e-03	-9e-04	3
			14546			-4e-03	

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

Client No.

D088D

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23305

Sample wt/vol: ____30.34_ (g/mL) G   Lab File ID: 14A42232.TX0

% Moisture: 53.7   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: _10000_ (uL)   Date Analyzed: 12/12/2004

Injection Volume: ____1.00_ (uL)   Dilution Factor: ____2.00

GPC Cleanup: (Y/N) N pH: _6.63_   Sulfur Cleanup: (Y/N) N

| | | CONCENTRATION UNITS: | |
CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016		340	U
11104-28-2----PCB-1221		340	U
11141-16-5----PCB-1232		340	U
53469-21-9----PCB-1242		340	U
12672-29-6----PCB-1248		580	
11097-69-1----PCB-1254		290	J
11096-82-5----PCB-1260		340	U

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:30:59
Reprocess Number	: buf2042: 38986			
Operator	: tchrom		Sample Name	: AS40014810
Sample Number	: A4C23305		Study	: CTA12950
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: A
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 2.00
Data Acquisition Time	: 12/12/2004 00:59:03		Cycle	: 58

Raw Data File : H:\TURBO6\5890-14\14a42232.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42232.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42232.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42232.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42232.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
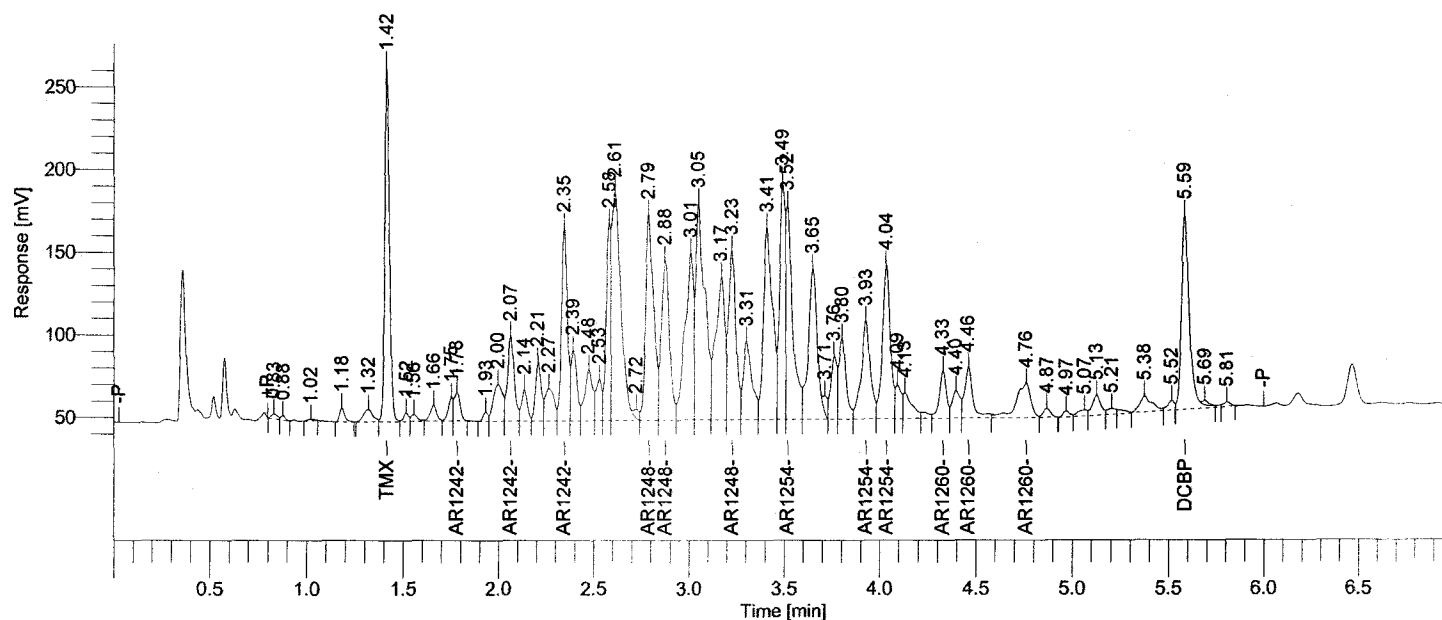
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.42	VV	362107	TMX	0.0171	-------	0
	2.35		415445	AR1242	0.2161	0.0720	3
	2.79		933098	AR1248	0.4054	0.1351	3
	3.52		783673	AR1254	0.2017	0.0672	3
	4.46		280797	AR1260	0.0551	0.0184	3
54	5.59	VE	339062	DCBP	0.0202	-------	0
			3114182			0.2928	

12/13/2004 09:30:59 Result: H:\TURBO6\5890-14\14a42232.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	1.78	VB	39060	AR1242-A	0.1282	0.0427	3
14	2.07	VV	124556	AR1242-B	0.1865	0.0622	3
18	2.35	VV	251829	AR1242-C	0.2651	0.0884	3
			415445			0.1933	

Group Report For : AR1248
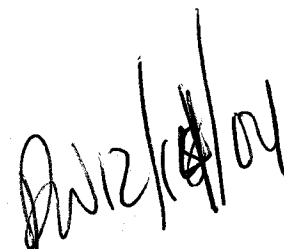
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
25	2.79	VV	365115	AR1248-A	0.4153	0.1384	3
26	2.88	VV	287468	AR1248-B	0.3848	0.1283	3
30	3.23	VV	280515	AR1248-C	0.4152	0.1384	3
			933098			0.4051	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
34	3.52	VV	313750	AR1254-A	0.1870	0.0623	3
39	3.93	VV	200043	AR1254-B	0.1966	0.0655	3
40	4.04	VV	269880	AR1254-C	0.2269	0.0756	3
			783673			0.2035	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
43	4.33	VV	74071	AR1260-A	0.0671	0.0224	3
45	4.46	VV	93485	AR1260-B	0.0431	0.0144	3
46	4.76	VV	113242	AR1260-C	0.0608	0.0203	3
			280797			0.0570	

Software Version	: 6.2.1.0.104:0104	Date	: 12/13/2004 09:31:01
Reprocess Number	: buf2042: 38987		
Operator	: tchrom	Sample Name	: AS40014810
Sample Number	: A4C23305	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 2.00
Data Acquisition Time	: 12/12/2004 00:59:03	Cycle	: 58

Raw Data File : H:\TURBO6\5890-14\14b42232.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42232.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42232.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42232.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42232.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq

CONFIRMATION COLUMN
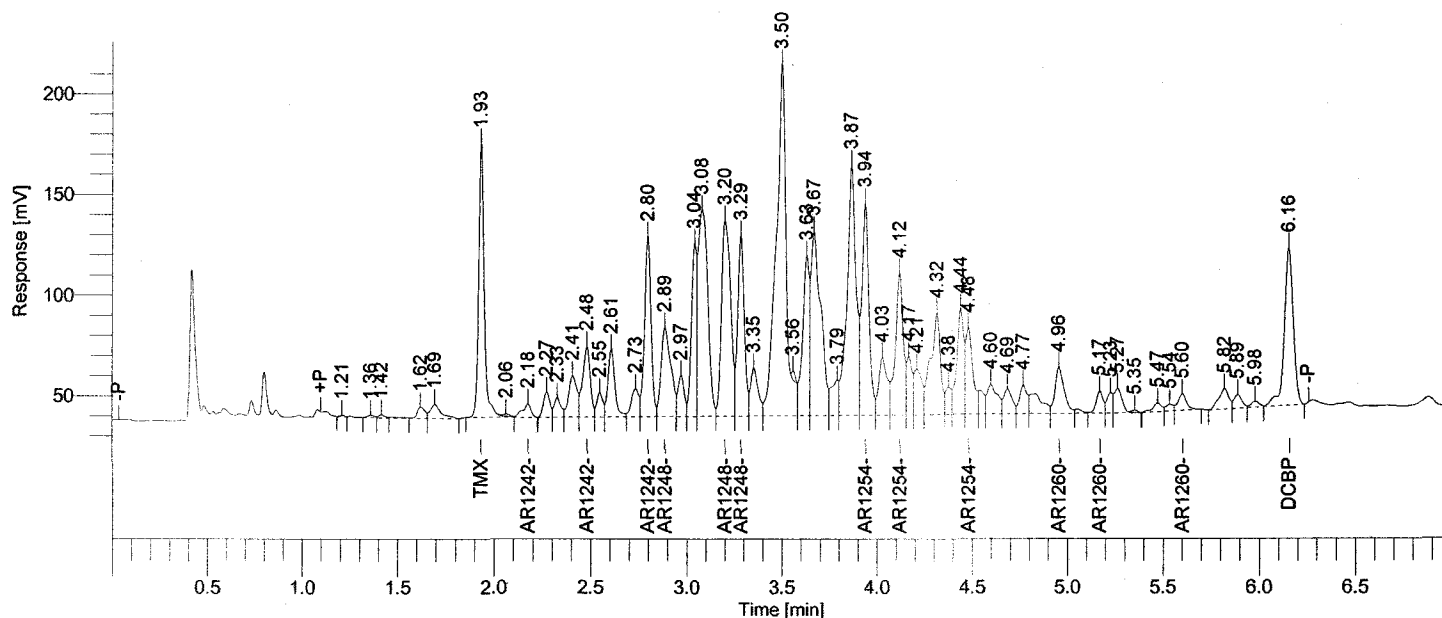
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.93	BE	274337	TMX	0.0184	-------	0
	2.80		328943	AR1242	0.2124	0.0708	3
	3.20		701129	AR1248	0.4631	0.1544	3
	3.94		596330	AR1254	0.1944	0.0648	3
	4.96		127077	AR1260	0.0422	0.0141	3
53	6.16	VB	257734	DCBP	0.0177	-------	0
			2285550			0.3040	

12/13/2004 09:31:01 Result: H:\TURBO6\5890-14\14b42232.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	2.18	VB	20544	AR1242-A	0.0858	0.0286	3
12	2.48	VV	98202	AR1242-B	0.1666	0.0555	3
16	2.80	VV	210197	AR1242-C	0.2919	0.0973	3
			328943			0.1814	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
17	2.89	VV	157203	AR1248-A	0.6572	0.2191	3
21	3.20	VV	322880	AR1248-B	0.4453	0.1484	3
22	3.29	VV	221046	AR1248-C	0.4020	0.1340	3
			701129			0.5015	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
30	3.94	VV	281443	AR1254-A	0.2776	0.0925	3
32	4.12	VV	201261	AR1254-B	0.2096	0.0699	3
38	4.48	VV	113626	AR1254-C	0.1039	0.0346	3
			596330			0.1970	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
42	4.96	VV	74789	AR1260-A	0.0411	0.0137	3
43	5.17	VV	27208	AR1260-B	0.0323	0.0108	3
49	5.60	VB	25080	AR1260-C	0.0659	0.0220	3
			127077			0.0464	

STANDARDS

6A

PCB INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo Contract:

Instrument: 5890-14 A Date(s) Analyzed:

Column: ZB-35 12/08/2004 to 12/08/2004

COMPOUND	LEVEL (ng/ul) Area							Curve	R Squared	m_1	m_2	b
	0.025	0.05	0.1	0.25	0.5	1.0	2.5					
AR1016	95467	179980	359427	759326	1342022	2362428	4965813	2nd	0.997828	2733709	-310581	43391
AR1260	141602	266366	500301	1099515	1962580	3489523	7525818	2nd	0.998496	3961091	-396795	63763

COMPOUND								Curve	R Squared	m_1	m_2	b
	0.005	0.01	0.02	0.03	0.04	0.05						
TMX	121185	224819	418157	599453	776796	942468		2nd	0.999972	20958373	-49965118	18392
DCBP	104372	186744	335965	481674	612181	751153		2nd	0.999870	16321635	-37361625	24757

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

Name	Level	File ID:
ICM66JE	0.025	H:\TURBO6\5890-14\14\14a42047.raw
ICM66JG	0.05	H:\TURBO6\5890-14\14\14a42046.raw
ICM66JF	0.1	H:\TURBO6\5890-14\14\14a42045.raw
ICM66JE	0.25	H:\TURBO6\5890-14\14\14a42044.raw
ICM66JD	0.5	H:\TURBO6\5890-14\14\14a42043.raw
ICM66JC	1	H:\TURBO6\5890-14\14\14a42042.raw
ICM66JB	2.5	H:\TURBO6\5890-14\14\14a42041.raw

DEC 23 2004

FORM VIA PCB

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo   Contract:

Instrument: 5890-14 A   Date(s) Analyzed:

Column: ZB-35   12/08/04   to   12/08/04

COMPOUND	LEVEL			AVE RT	WINDOW (+/-)	INITIAL WINDOW From	To
	A	C	E				
TMX	1.42	1.42	1.42	1.42	0.08	1.34	1.50
AR1016-A	2.07	2.06	2.06	2.06	0.08	1.98	2.14
AR1016-B	2.35	2.35	2.35	2.35	0.08	2.27	2.43
AR1016-C	2.45	2.45	2.45	2.45	0.08	2.37	2.53
AR1260-A	4.33	4.33	4.33	4.33	0.08	4.25	4.41
AR1260-B	4.46	4.46	4.46	4.46	0.08	4.38	4.54
AR1260-C	4.76	4.76	4.76	4.76	0.08	4.68	4.84
DCBP	5.59	5.59	5.59	5.59	0.08	5.51	5.67

DEC 2 3 2004

FORM VIB PCB

6A

PCB SINGLE POINT CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-14   A

Column: ZB-35

Date(s) Analyzed:

12/08/2004   to   12/08/2004

COMPOUND	LEVEL (ng/ul) 0.5		File ID:	Date	Time
	Area	Calibration Factor			
AR1221	270934	541868	H:\TURBO6\5890-14\14a42031.raw	12/08/2004	15:09
AR1232	719810	1439620	H:\TURBO6\5890-14\14a42033.raw	12/08/2004	15:33
AR1242	961302	1922604	H:\TURBO6\5890-14\14a42035.raw	12/08/2004	15:58
AR1248	1150945	2301890	H:\TURBO6\5890-14\14a42037.raw	12/08/2004	16:23
AR1254	1942240	3884480	H:\TURBO6\5890-14\14a42039.raw	12/08/2004	16:48

DEC 2 3 2004

FORM VIA PCB

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-14 A   Date(s) Analyzed:

Column: ZB-35   12/08/04   to   12/08/04

COMPOUND	Retention Time	WINDOW (+/-)	INITIAL WINDOW From	To
AR1221-A	1.18	0.08	1.10	1.26
AR1221-B	1.55	0.08	1.47	1.63
AR1221-C	1.64	0.08	1.56	1.72
AR1232-A	1.78	0.08	1.70	1.86
AR1232-B	2.06	0.08	1.98	2.14
AR1232-C	2.35	0.08	2.27	2.43
AR1242-A	1.78	0.08	1.70	1.86
AR1242-B	2.06	0.08	1.98	2.14
AR1242-C	2.35	0.08	2.27	2.43
AR1248-A	2.79	0.08	2.71	2.87
AR1248-B	2.88	0.08	2.80	2.96
AR1248-C	3.23	0.08	3.15	3.31
AR1254-A	3.52	0.08	3.44	3.60
AR1254-B	3.93	0.08	3.85	4.01
AR1254-C	4.05	0.08	3.97	4.13

DEC 2 3 2004

FORM VIB PCB

6A

PCB INITIAL CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo   Contract:

Instrument: 5890-14   B   Date(s) Analyzed:

Column: ZB-5   12/08/2004   to   12/08/2004

COMPOUND	0.025	0.05	0.1	0.25	0.5	1.0	2.5	Curve	R Squared	m_1	m_2	b
						LEVEL (ng/ul) Area						
AR1016	79315	150241	276956	593637	1053859	1887044	4056718	2nd	0.998447	2128085	-211638	39228
AR1260	76229	153046	283367	634308	1195629	2188191	4815010	2nd	0.999391	2421495	-204715	25278
COMPOUND	0.005	0.01	0.02	0.03	0.04	0.05						
TMX	82612	158719	302746	438254	588325	766311		2nd	0.999317	13520522	25591076	16535
DCBP	89196	158827	285646	413217	528352	640726		2nd	0.999949	14005625	-32135404	20433

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

Name	Level	File ID:
ICM66JE	0.025	H:\TURBO6\5890-14\14b42047.raw
ICM66JG	0.05	H:\TURBO6\5890-14\14b42046.raw
ICM66JF	0.1	H:\TURBO6\5890-14\14b42045.raw
ICM66JE	0.25	H:\TURBO6\5890-14\14b42044.raw
ICM66JD	0.5	H:\TURBO6\5890-14\14b42043.raw
ICM66JC	1	H:\TURBO6\5890-14\14b42042.raw
ICM66JB	2.5	H:\TURBO6\5890-14\14b42041.raw

mJ

DEC 2 3 2004

FORM VIA PCB

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo   Contract:

Instrument: 5890-14 B   Date(s) Analyzed:

Column: ZB-5   12/08/04   to   12/08/04

| COMPOUND | LEVEL | | | | | INITIAL WINDOW | |
	A	C	E	AVE RT	WINDOW (+/-)	From	To
TMX	1.93	1.93	1.93	1.93	0.08	1.85	2.01
AR1016-A	2.48	2.47	2.47	2.47	0.08	2.39	2.55
AR1016-B	2.61	2.61	2.61	2.61	0.08	2.53	2.69
AR1016-C	2.79	2.79	2.79	2.79	0.08	2.71	2.87
AR1260-A	4.96	4.95	4.95	4.95	0.08	4.87	5.03
AR1260-B	5.17	5.17	5.17	5.17	0.08	5.09	5.25
AR1260-C	5.60	5.60	5.60	5.60	0.08	5.52	5.68
DCBP	6.15	6.15	6.15	6.15	0.08	6.07	6.23

DEC 23 2004

FORM VIB PCB

6A

PCB SINGLE POINT CALIBRATION OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-14   B   Date(s) Analyzed:

Column: ZB-5   12/08/2004   to   12/08/2004

| COMPOUND | LEVEL (ng/ul) 0.5 | | | |
	Area	Calibration Factor	File ID:	Date	Time
AR1221	190426	380852	H:\TURBO6\5890-14\14b42031.raw	12/08/2004	15:09
AR1232	232948	465896	H:\TURBO6\5890-14\14b42033.raw	12/08/2004	15:33
AR1242	774485	1548970	H:\TURBO6\5890-14\14b42035.raw	12/08/2004	15:58
AR1248	757040	1514080	H:\TURBO6\5890-14\14b42037.raw	12/08/2004	16:23
AR1254	1533832	3067664	H:\TURBO6\5890-14\14b42039.raw	12/08/2004	16:48

DEC 2 3 2004

FORM VIA PCB

6B

PCB INITIAL RT WINDOW OF MULTI-COMPONENT ANALYTES

Lab Name: STL Buffalo

Instrument: 5890-14 B Date(s) Analyzed:

Column: ZB-5 12/08/04 to 12/08/04

			INITIAL	WINDOW
COMPOUND	Retention	WINDOW	From	To
	Time	(+/-)		
AR1221-A	1.52	0.08	1.44	1.60
AR1221-B	1.77	0.08	1.69	1.85
AR1221-C	2.06	0.08	1.98	2.14
AR1232-A	1.91	0.08	1.83	1.99
AR1232-B	2.06	0.08	1.98	2.14
AR1232-C	2.18	0.08	2.10	2.26
AR1242-A	2.18	0.08	2.10	2.26
AR1242-B	2.47	0.08	2.39	2.55
AR1242-C	2.79	0.08	2.71	2.87
AR1248-A	2.87	0.08	2.79	2.95
AR1248-B	3.20	0.08	3.12	3.28
AR1248-C	3.29	0.08	3.21	3.37
AR1254-A	3.94	0.08	3.86	4.02
AR1254-B	4.12	0.08	4.04	4.20
AR1254-C	4.48	0.08	4.40	4.56

mw
DEC 2 3 2004

FORM VIB PCB

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo   Contract:

Instrument: 5890-14 A   ICAL Date(s) Analyzed:

Column: ZB-35   12/08/04   to: 12/08/04

CCV ID: ICM54RA   Date/Time: 12/11/2004 23:19

FILE ID: H:\TURBO6\5890-14\14a42224.raw

COMPOUND	RT	INITIAL WINDOW From	To	Calc Amt.(ng)	Expected Amt.(ng)	% D
TMX	1.42	1.34	1.50	0.0319	0.0300	6.3
AR1254	3.52	3.44	3.60	0.5485	0.500	9.7
DCBP	5.59	5.51	5.67	0.0318	0.0300	6.0

Ave %D =   7.3

* Value >15.0% Difference

FORM VII PCB

7A

PCB CONTINUING CALIBRATION VERIFICATION

Lab Name: STL Buffalo   Contract:

Instrument: 5890-14 A   ICAL Date(s) Analyzed:

Column: ZB-35   12/08/2004   to: 12/08/2004

CCV ID: ICM66JD   Date/Time: 12/12/2004 01:48

FILE ID: H:\TURBO6\5890-14\14a42236.raw

COMPOUND	RT	DAILY From	WINDOW To	Calc Amt.(ng)	Expected Amt.(ng)	% D
TMX	1.42	1.34	1.50	0.0308	0.0300	2.5
AR1016	2.34	2.26	2.42	0.5244	0.500	4.9
AR1260	4.46	4.38	4.54	0.5102	0.500	2.0
DCBP	5.59	5.51	5.67	0.0287	0.0300	-4.4

Ave %D =   3.5

* Value >15.0% Difference

FORM VII PCB

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 09:56:10
Reprocess Number	: buf2042: 38535		
Operator	: tchrom	Sample Name	: ICM66JB
Sample Number	: 2.5NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 17:12:57	Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14a42041.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42041.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42041.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42041.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42041.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
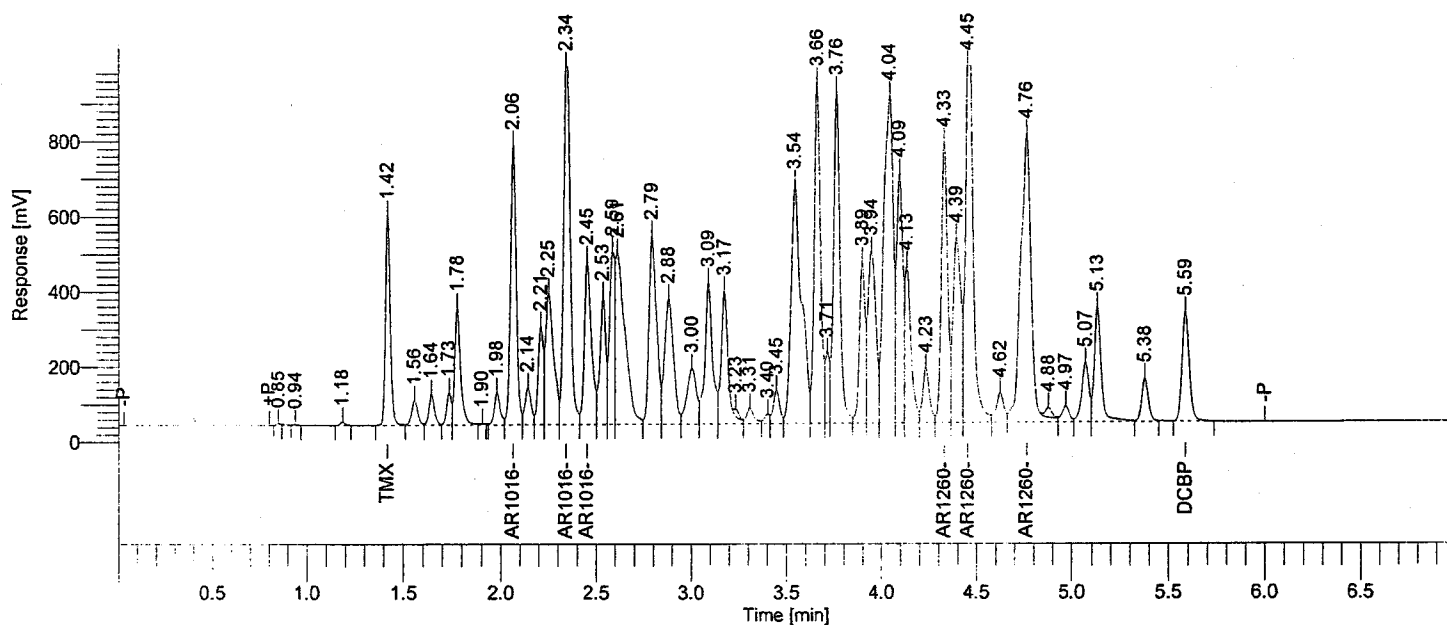
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.42	BV	942468	TMX	0.0500	-------	0
	2.34		4965813	AR1016	2.5000	0.8333	3
	4.45		7525818	AR1260	2.5000	0.8333	3
49	5.59	VB	751153	DCBP	0.0500	-------	0
			14185252			1.6667	

12/09/2004 09:56:10 Result: H:\TURBO6\5890-14\14a42041.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	2.06	VV	1551393	AR1016-A	2.5000	0.8333	3
15	2.34	VV	2262268	AR1016-B	2.5000	0.8333	3
16	2.45	VV	1152152	AR1016-C	2.5000	0.8333	3
			4965813			2.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
39	4.33	VV	1690176	AR1260-A	2.5000	0.8333	3
41	4.45	VV	2869479	AR1260-B	2.5000	0.8333	3
43	4.76	VE	2966163	AR1260-C	2.5000	0.8333	3
			7525818			2.5000	

12/09/2004 09:56:13 Result: H:\TURBO6\5890-14\14a42042.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	2.06	VV	740571	AR1016-A	1.0000	0.3333	3
14	2.35	VV	1071808	AR1016-B	1.0000	0.3333	3
15	2.45	VV	550049	AR1016-C	1.0000	0.3333	3
			2362428			1.0000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
38	4.33	VV	774120	AR1260-A	1.0000	0.3333	3
40	4.46	VV	1382927	AR1260-B	1.0000	0.3333	3
42	4.76	VE	1332476	AR1260-C	1.0000	0.3333	3
			3489523			1.0000	

Software Version	: 6.2.1.0.104:0104	Date : 12/09/2004 09:56:15
Reprocess Number	: buf2042: 38537	
Operator	: tchrom	Sample Name : ICM66JD
Sample Number	: 0.5NG	Study : ICAL
AutoSampler	: HP 7673A	Rack/Vial : 0/0
Instrument Name	: 5890-14	Channel : A
Interface Serial #	: 9205571207	A/D mV Range : 1000
Delay Time	: 0.00 min	End Time : 7.00 min
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	Area Reject : 3000.000000
Sample Amount	: 1.0000	Dilution Factor : 1.00
Data Acquisition Time	: 12/08/2004 17:37:44	Cycle : 3

Raw Data File : H:\TURBO6\5890-14\14a42043.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42043.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42043.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42043.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42043.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
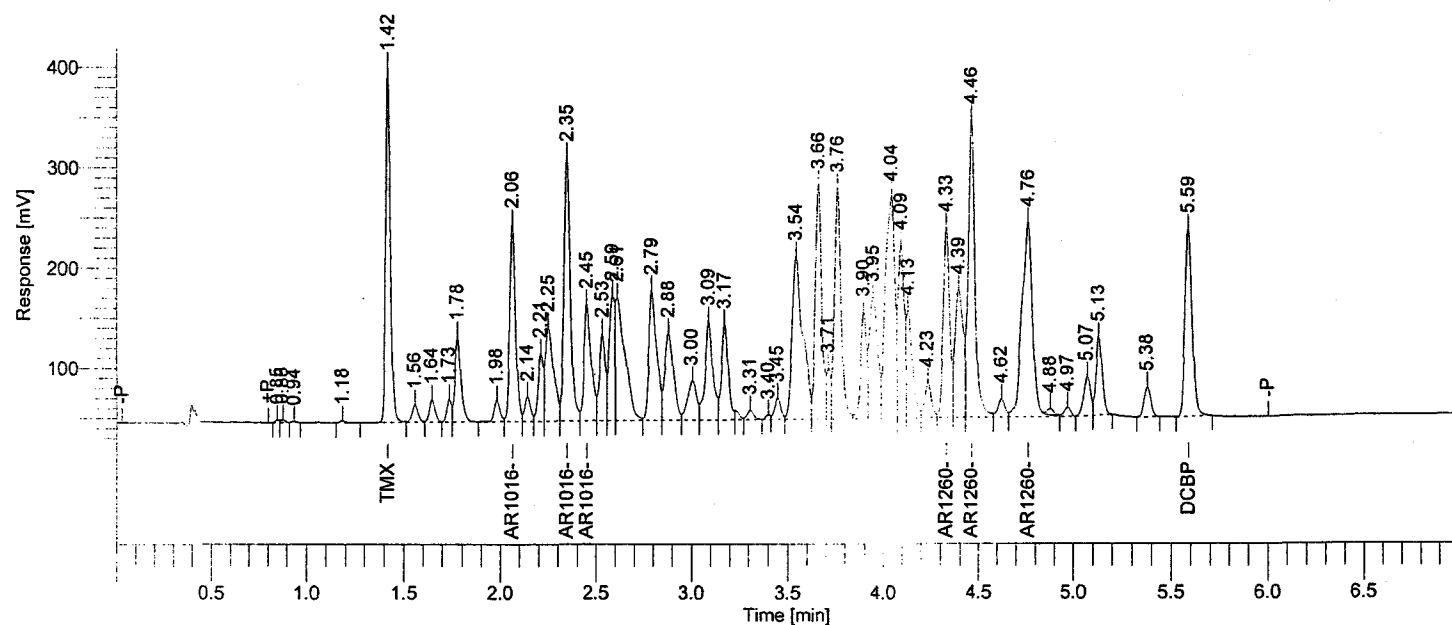
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.42	VV	599453	TMX	0.0300	-------	0
	2.35		1342022	AR1016	0.5000	0.1667	3
	4.46		1962580	AR1260	0.5000	0.1667	3
48	5.59	BB	481674	DCBP	0.0300	-------	0
			4385730			0.3333	

12/09/2004 09:56:15 Result: H:\TURBO6\5890-14\14a42043.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	2.06	VV	422341	AR1016-A	0.5000	0.1667	3
15	2.35	VV	605456	AR1016-B	0.5000	0.1667	3
16	2.45	VV	314225	AR1016-C	0.5000	0.1667	3
			1342022			0.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
38	4.33	VV	435874	AR1260-A	0.5000	0.1667	3
40	4.46	VV	774480	AR1260-B	0.5000	0.1667	3
42	4.76	VE	752226	AR1260-C	0.5000	0.1667	3
			1962580			0.5000	

Software Version	: 6.2.1.0.104:0104	Date : 12/09/2004 09:56:18
Reprocess Number	: buf2042: 38538	
Operator	: tchrom	Sample Name : ICM66JE
Sample Number	: 0.25NG	Study : ICAL
AutoSampler	: HP 7673A	Rack/Vial : 0/0
Instrument Name	: 5890-14	Channel : A
Interface Serial #	: 9205571207	A/D mV Range : 1000
Delay Time	: 0.00 min	End Time : 7.00 min
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	Area Reject : 3000.000000
Sample Amount	: 1.0000	Dilution Factor : 1.00
Data Acquisition Time	: 12/08/2004 17:50:09	Cycle : 4

Raw Data File : H:\TURBO6\5890-14\14a42044.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42044.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42044.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42044.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42044.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
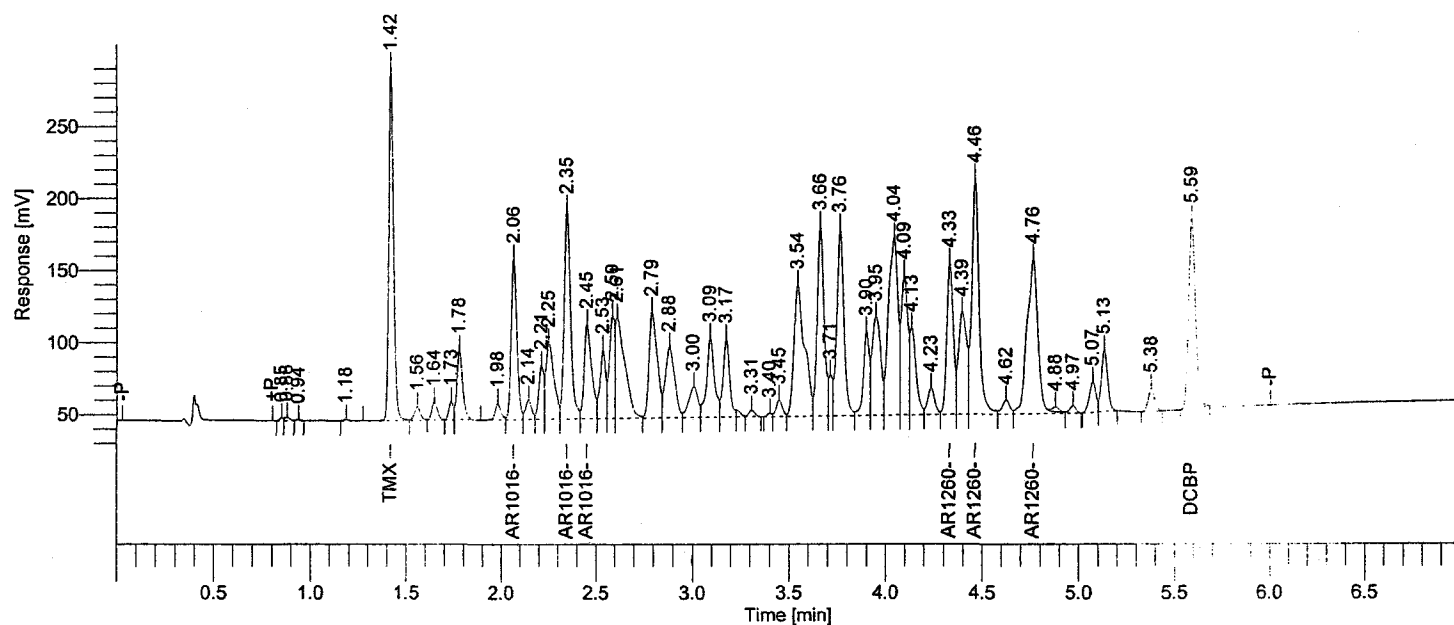
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.42	VV	418157	TMX	0.0200	-------	0
	2.35		759326	AR1016	0.2500	0.0833	3
	4.46		1099515	AR1260	0.2500	0.0833	3
48	5.59	BB	335965	DCBP	0.0200	-------	0
			2612963			0.1667	

12/09/2004 09:56:18 Result: H:\TURBO6\5890-14\14a42044.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	2.06	VV	240529	AR1016-A	0.2500	0.0833	3
15	2.35	VV	340705	AR1016-B	0.2500	0.0833	3
16	2.45	VV	178092	AR1016-C	0.2500	0.0833	3
			759326			0.2500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
38	4.33	VV	244007	AR1260-A	0.2500	0.0833	3
40	4.46	VV	434656	AR1260-B	0.2500	0.0833	3
42	4.76	VE	420852	AR1260-C	0.2500	0.0833	3
			1099515			0.2500	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 09:56:20
Reprocess Number	: buf2042: 38539		
Operator	: tchrom	Sample Name	: ICM66JF
Sample Number	: 0.1NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:02:35	Cycle	: 5

Raw Data File : H:\TURBO6\5890-14\14a42045.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42045.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42045.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42045.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42045.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
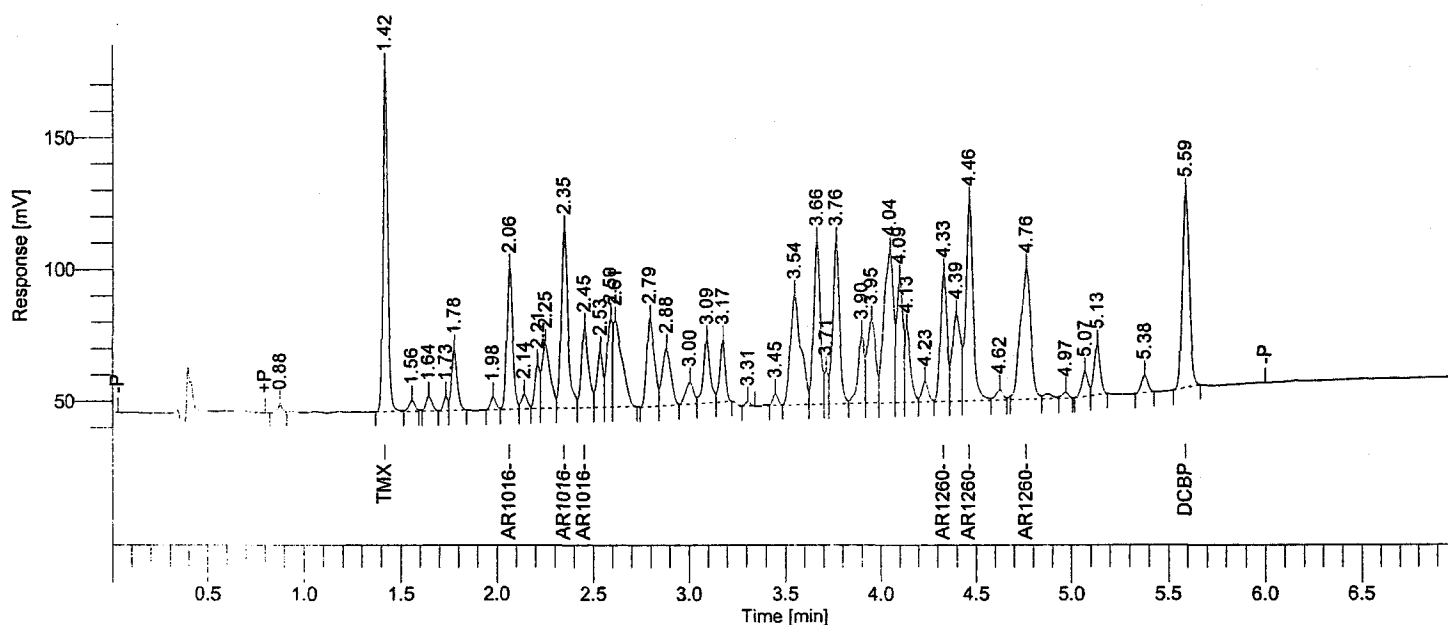
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.42	BV	224819	TMX	0.0100	------	0
	2.35		359427	AR1016	0.1000	0.0333	3
	4.46		500301	AR1260	0.1000	0.0333	3
43	5.59	BB	186744	DCBP	0.0100	------	0
			1271292			0.0667	

12/09/2004 09:56:20 Result: H:\TURBO6\5890-14\14a42045.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	2.06	VV	115215	AR1016-A	0.1000	0.0333	3
12	2.35	VV	162687	AR1016-B	0.1000	0.0333	3
13	2.45	VV	81526	AR1016-C	0.1000	0.0333	3
			359427			0.1000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
34	4.33	VV	112976	AR1260-A	0.1000	0.0333	3
36	4.46	VV	199244	AR1260-B	0.1000	0.0333	3
38	4.76	VV	188082	AR1260-C	0.1000	0.0333	3
			500301			0.1000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 09:56:23
Reprocess Number	: buf2042: 38540		
Operator	: tchrom	Sample Name	: ICM66JG
Sample Number	: 0.05NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:15:28	Cycle	: 6

Raw Data File : H:\TURBO6\5890-14\14a42046.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42046.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42046.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42046.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42046.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
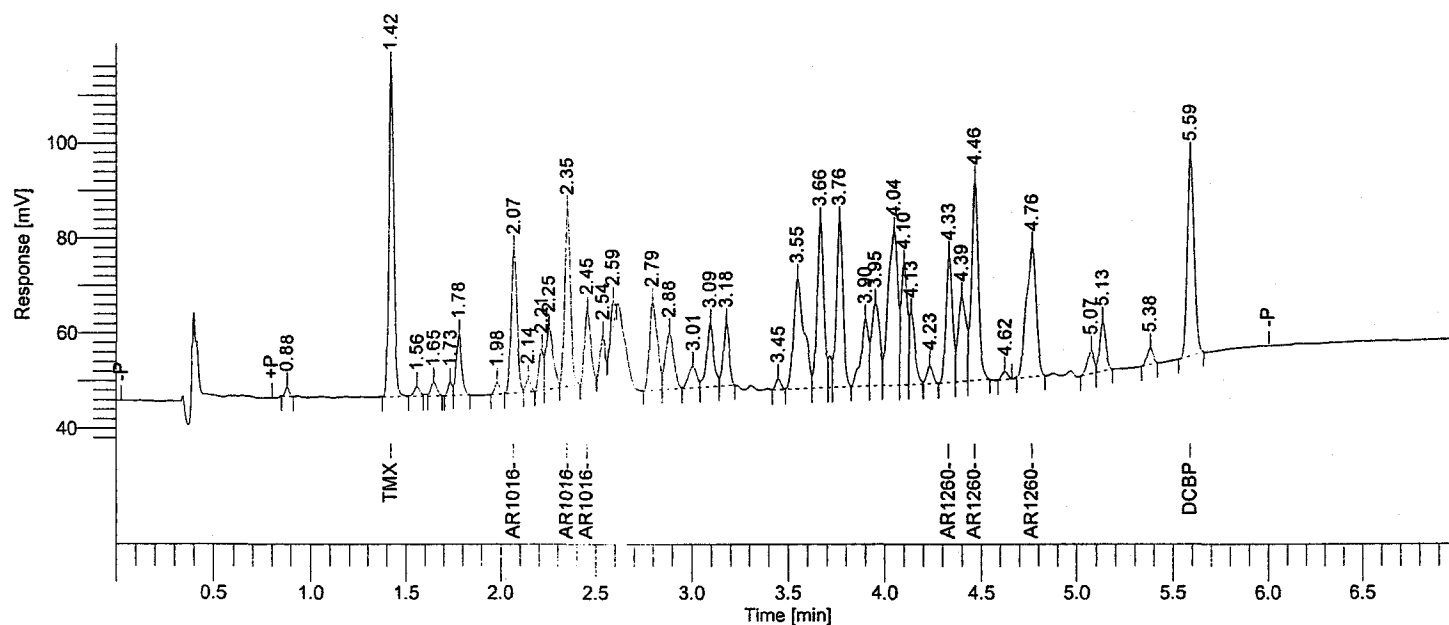
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.42	BV	121185	TMX	0.0050	-------	0
	2.35		179980	AR1016	0.0500	0.0167	3
	4.46		266366	AR1260	0.0500	0.0167	3
39	5.59	BB	104372	DCBP	0.0050	-------	0
			671903			0.0333	

12/09/2004 09:56:23 Result: H:\TURBO6\5890-14\14a42046.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	2.07	VV	64032	AR1016-A	0.0500	0.0167	3
12	2.35	VB	82489	AR1016-B	0.0500	0.0167	3
13	2.45	BB	33459	AR1016-C	0.0500	0.0167	3
			179980			0.0500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
31	4.33	BV	60949	AR1260-A	0.0500	0.0167	3
33	4.46	VB	106057	AR1260-B	0.0500	0.0167	3
35	4.76	VB	99359	AR1260-C	0.0500	0.0167	3
			266366			0.0500	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 09:56:25	
Reprocess Number	: buf2042: 38541				
Operator	: tchrom		Sample Name	: ICM66JE	
Sample Number	: 0.025NG		Study	: ICAL	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: A	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 1.00	
Data Acquisition Time	: 12/08/2004 18:27:52		Cycle	: 7	

Raw Data File : H:\TURBO6\5890-14\14a42047.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42047.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42047.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42047.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42047.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
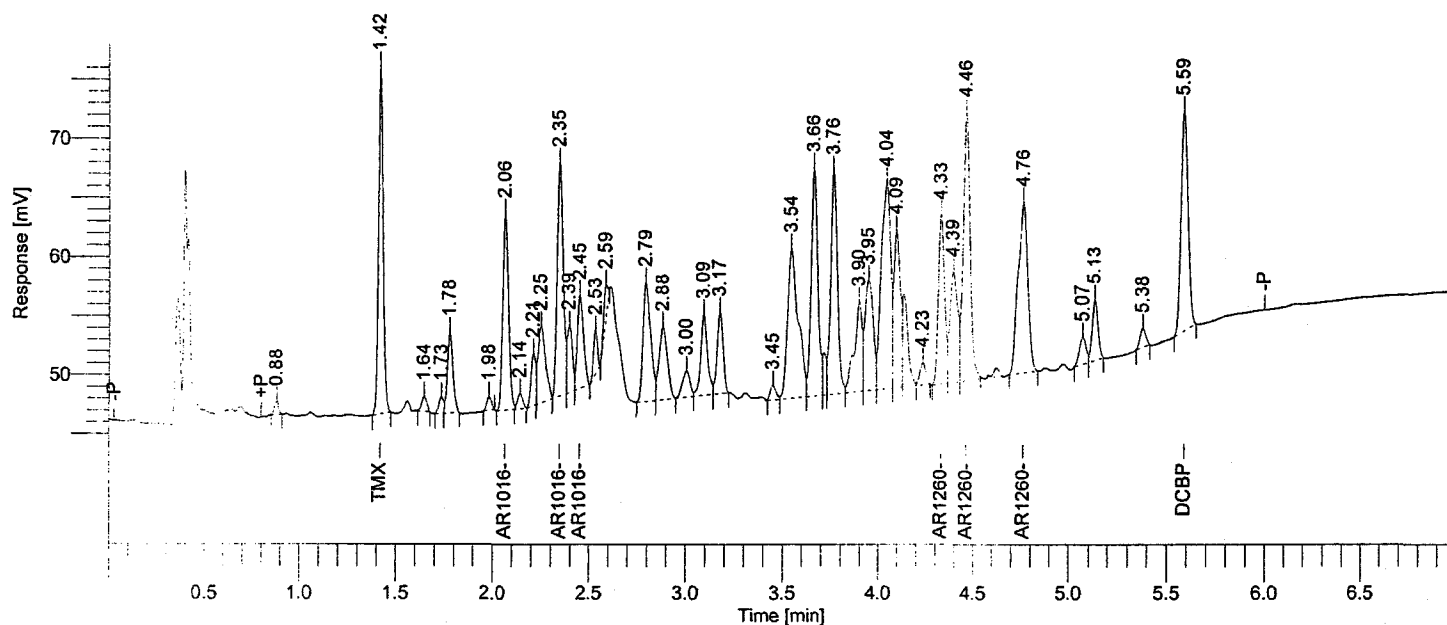
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.42	BB	51351	TMX	0.0016	-------	0
	2.35		95467	AR1016	0.0250	0.0083	3
	4.46		141602	AR1260	0.0250	0.0083	3
37	5.59	BB	45932	DCBP	0.0015	-------	0
			334352			0.0167	

12/09/2004 09:56:25 Result: H:\TURBO6\5890-14\14a42047.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	2.06	BV	35064	AR1016-A	0.0250	0.0083	3
11	2.35	VV	42749	AR1016-B	0.0250	0.0083	3
13	2.45	VB	17654	AR1016-C	0.0250	0.0083	3
			95467			0.0250	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
30	4.33	BV	32539	AR1260-A	0.0250	0.0083	3
32	4.46	VV	57484	AR1260-B	0.0250	0.0083	3
33	4.76	VB	51579	AR1260-C	0.0250	0.0083	3
			141602			0.0250	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 10:06:13
Reprocess Number	: buf2042: 38542		
Operator	: tchrom	Sample Name	: ACM66BB
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:40:16	Cycle	: 1

(handwritten: 0.6ng)

Raw Data File : H:\TURBO6\5890-14\14a42048.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42048.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42048.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42048.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42048.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
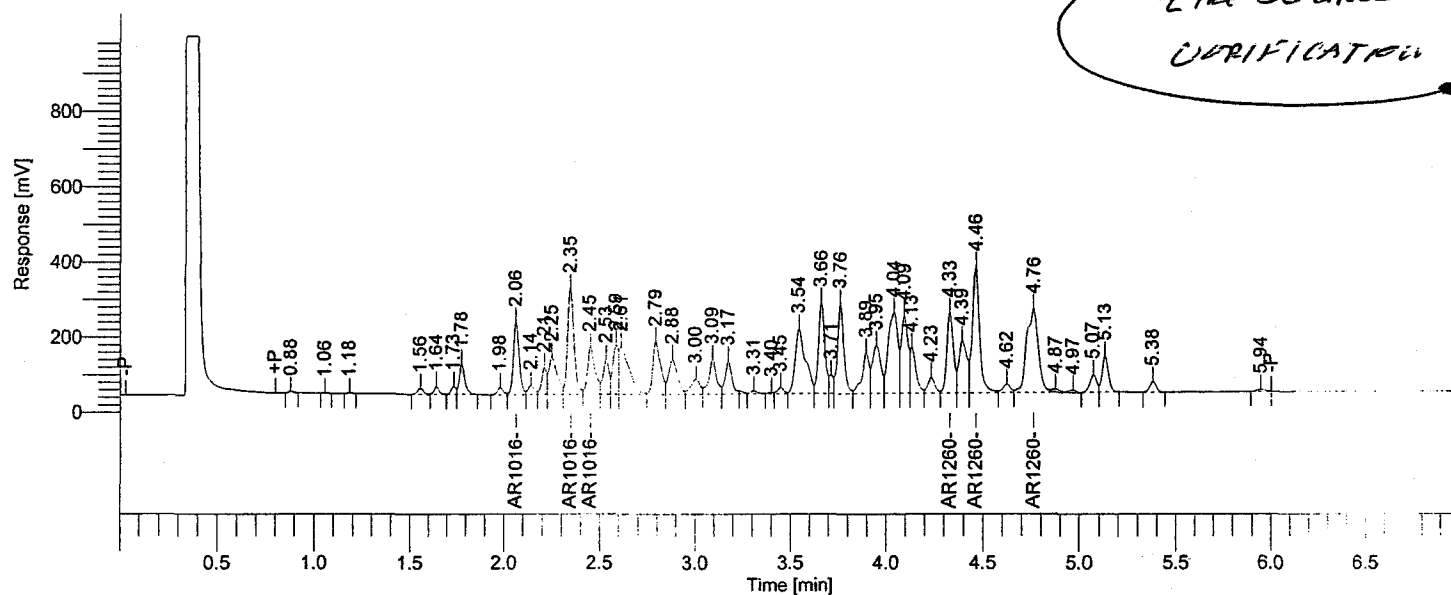
(handwritten: 2 nd Source Verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.35		1409890	AR1016	0.5320	2.6500e+06	2.8198e+06	-11.3
4.46		2310013	AR1260	0.6036	3.8272e+06	4.6200e+06	0.6
		3719904		1.1356		7.4398e+06	

(handwritten: 12/9/04)

12/09/2004 10:06:13 Result: H:\TURBO6\5890-14\14a42048.rst

Group Report For : AR1016

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.06	VV	415385	AR1016-A	0.4952	8.3881e+05	8.3077e+05	-17.5
2.35	VV	651002	AR1016-B	0.5447	1.1951e+06	1.3020e+06	-9.2
2.45	VV	343504	AR1016-C	0.5564	6.1737e+05	6.8701e+05	-7.3
		1409890		1.5963		2.8198e+06	

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.33	VV	489932	AR1260-A	0.5746	8.5260e+05	9.7986e+05	-4.2
4.46	VV	872998	AR1260-B	0.5727	1.5245e+06	1.7460e+06	-4.6
4.76	VE	947083	AR1260-C	0.6520	1.4525e+06	1.8942e+06	8.7
		2310013		1.7993		4.6200e+06	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:09:08
Reprocess Number	: buf2042: 38551			
Operator	: tchrom		Sample Name	: ICM21PA
Sample Number	: 0.5NG		Study	: ICAL
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: A
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:09:03		Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14a42031.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42031.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42031.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42031.rst
Calib Method : h:\turbo6\5890-14\na21(12-8-04).mth from H:\TURBO6\5890-14\14a42031.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
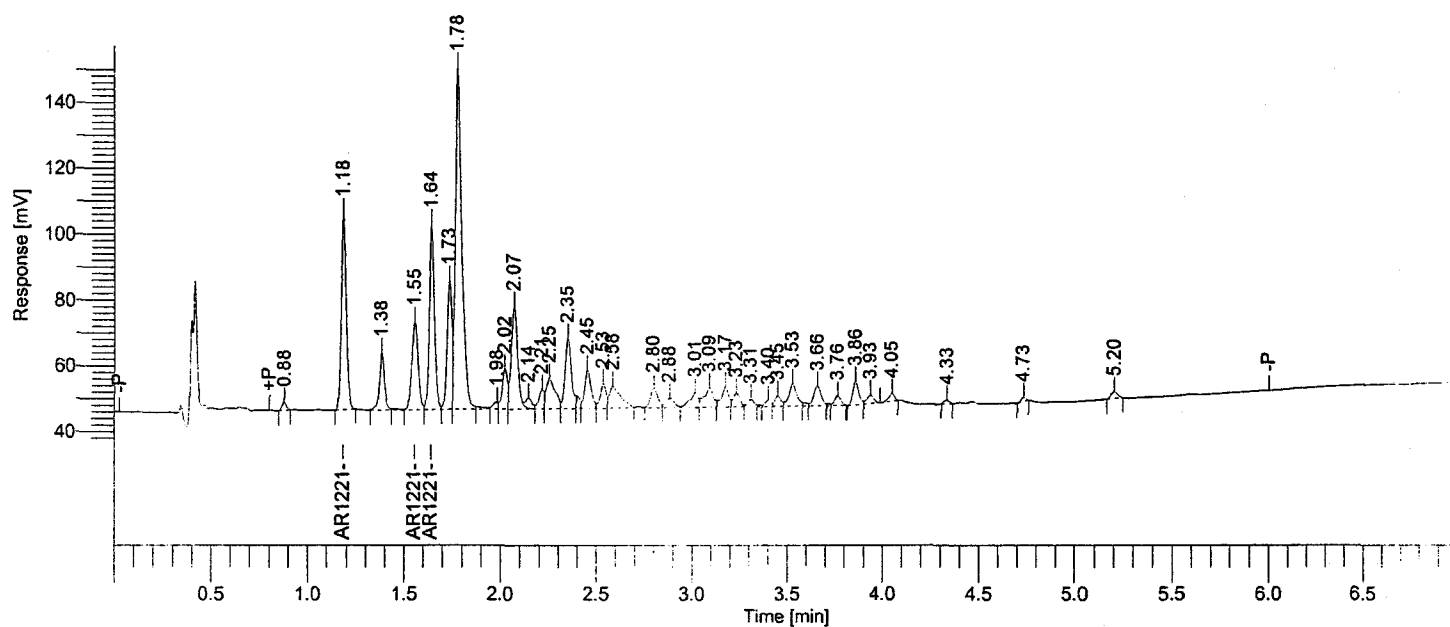
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	1.18		270934	AR1221	0.5000	0.1667	3
			270934			0.1667	

12/09/2004 12:09:08 Result: H:\TURBO6\5890-14\14a42031.rst

Group Report For : AR1221

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.18	BB	103350	AR1221-A	0.5000	0.1667	3
4	1.55	VV	61878	AR1221-B	0.5000	0.1667	3
5	1.64	VV	105706	AR1221-C	0.5000	0.1667	3
			270934			0.5000	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:09:14
Reprocess Number	: buf2042: 38553			
Operator	: tchrom		Sample Name	: ACM21NA
Sample Number	: 0.6NG		Study	: ACM
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: A
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 8000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:21:24		Cycle	: 2

(0.6ng)

Raw Data File : H:\TURBO6\5890-14\14a42032.raw <Modified>
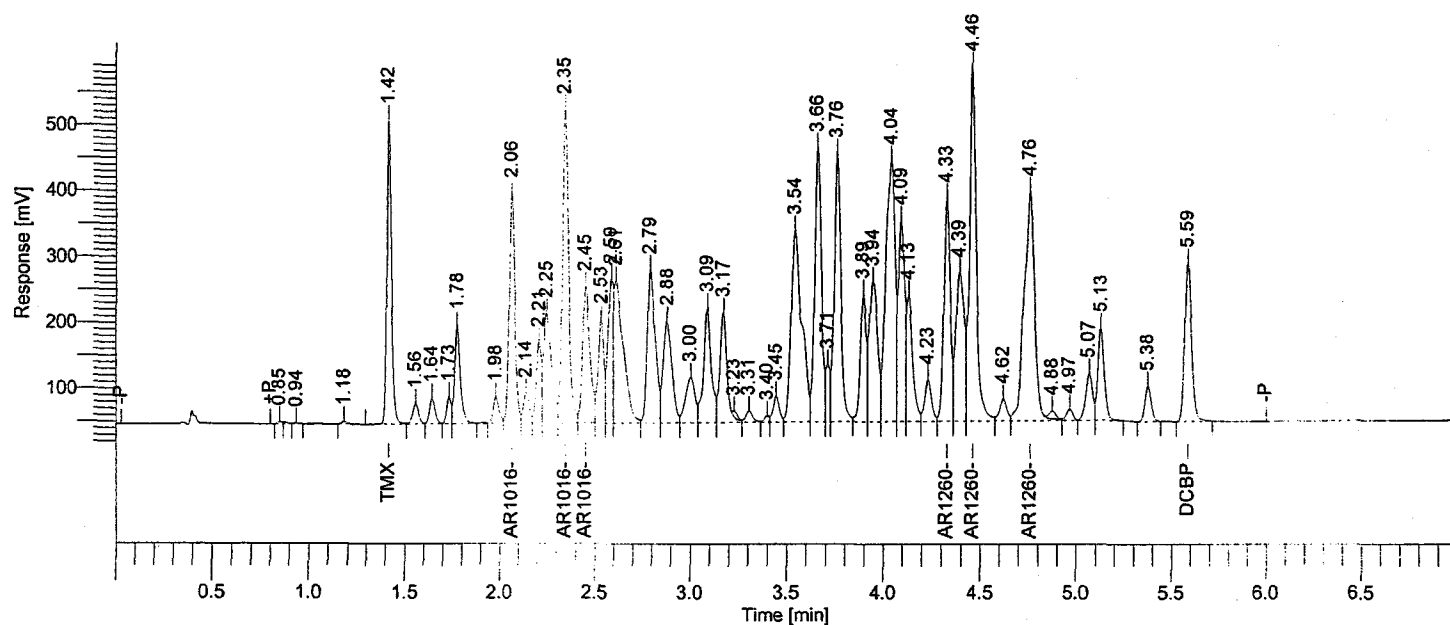Result File : H:\TURBO6\5890-14\14a42032.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42032.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42032.rst
Calib Method : h:\turbo6\5890-14\na21(12-8-04).mth from H:\TURBO6\5890-14\14a42032.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
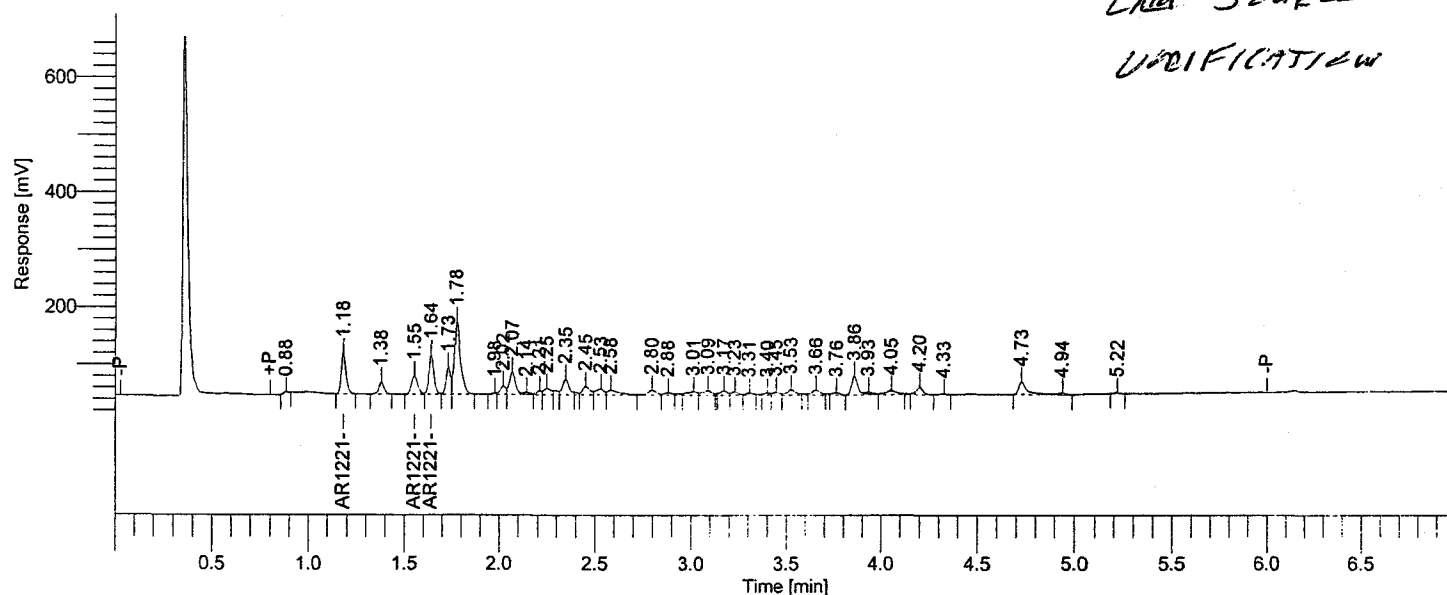
2nd Source Verification

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.18	—	322956	AR1221	0.5960	5.4187e+05	6.4591e+05	-0.7
		322956		0.5960		6.4591e+05	

12/9/04
CMD

12/09/2004 12:09:14 Result: H:\TURBO6\5890-14\14a42032.rst

Group Report For : AR1221

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.18	BB	120594	AR1221-A	0.5834	2.0670e+05	2.4119e+05	-2.8
1.55	BV	73948	AR1221-B	0.5975	1.2376e+05	1.4790e+05	-0.4
1.64	VV	128414	AR1221-C	0.6074	2.1141e+05	2.5683e+05	1.2
		322956		1.7884		6.4591e+05	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:09:19
Reprocess Number	: buf2042: 38555		
Operator	: tchrom	Sample Name	: ICM32DA
Sample Number	: 0.5NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:33:49	Cycle	: 3

Raw Data File : H:\TURBO6\5890-14\14a42033.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42033.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42033.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42033.rst
Calib Method : h:\turbo6\5890-14\na32(12-8-04).mth from H:\TURBO6\5890-14\14a42033.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
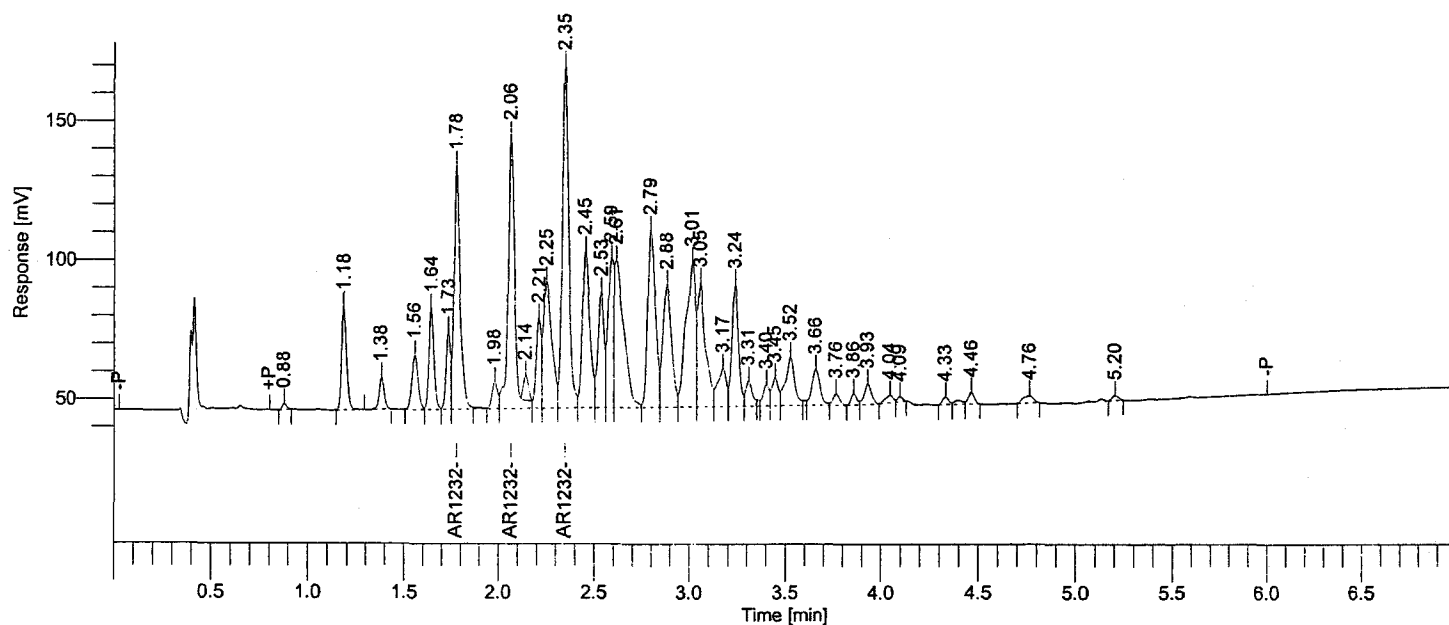
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.35		719810	Ar1232	0.5000	0.1667	3
			719810			0.1667	

12/09/2004 12:09:19 Result: H:\TURBO6\5890-14\14a42033.rst

Group Report For : Ar1232

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.78	VV	194529	AR1232-A	0.5000	0.1667	3
9	2.06	VE	238540	AR1232-B	0.5000	0.1667	3
13	2.35	VV	286742	AR1232-C	0.5000	0.1667	3
			719810			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:09:25
Reprocess Number	: buf2042: 38557		
Operator	: tchrom	Sample Name	: ACM32YA
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:46:12	Cycle	: 4

(handwritten: 0.6 ng)

Raw Data File : H:\TURBO6\5890-14\14a42034.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42034.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42034.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42034.rst
Calib Method : h:\turbo6\5890-14\na32(12-8-04).mth from H:\TURBO6\5890-14\14a42034.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
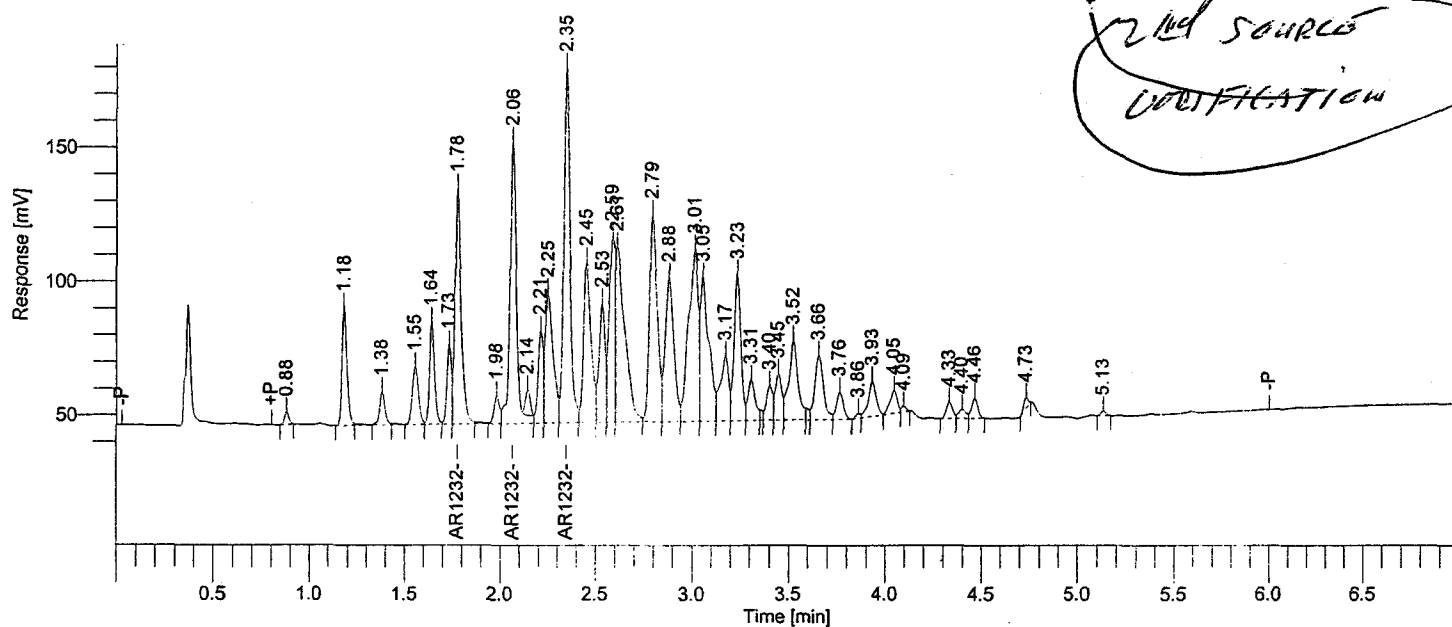
(handwritten: 2nd source certification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.35		758769	Ar1232	0.5271	1.4396e+06	1.5175e+06	-12.2
		758769		0.5271		1.5175e+06	

(handwritten: 12/9/04)

12/09/2004 12:09:25 Result: H:\TURBO6\5890-14\14a42034.rst

Group Report For : Ar1232

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.78	VV	196744	AR1232-A	0.5057	3.8906e+05	3.9349e+05	-15.7
2.06	VE	252065	AR1232-B	0.5283	4.7708e+05	5.0413e+05	-11.9
2.35	VV	309960	AR1232-C	0.5405	5.7348e+05	6.1992e+05	-9.9
		758769		1.5745		1.5175e+06	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:09:30	
Reprocess Number	: buf2042: 38559				
Operator	: tchrom		Sample Name	: ICM42QA	
Sample Number	: 0.5NG		Study	: ICAL	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: A	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 1.00	
Data Acquisition Time	: 12/08/2004 15:58:37		Cycle	: 5	

Raw Data File : H:\TURBO6\5890-14\14a42035.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42035.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42035.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42035.rst
Calib Method : h:\turbo6\5890-14\na42(12-8-04).mth from H:\TURBO6\5890-14\14a42035.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
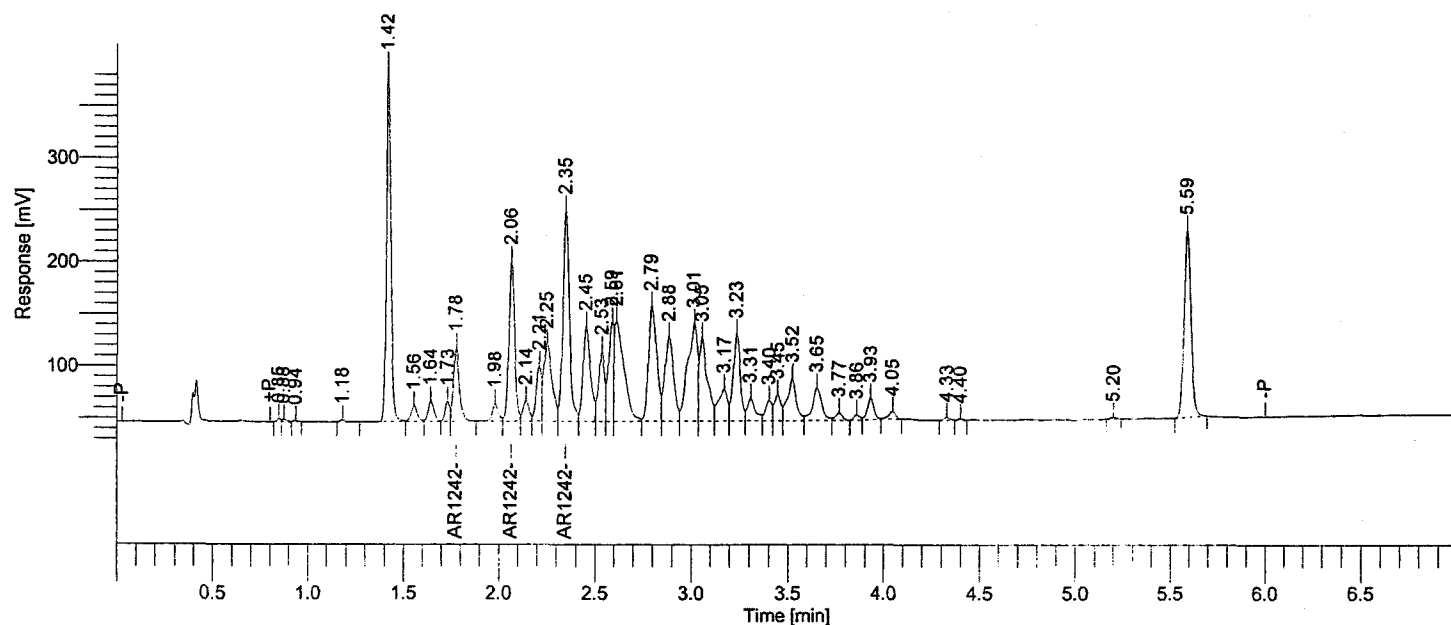
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.35		961302	AR1242	0.5000	0.1667	3
			961302			0.1667	

12/09/2004 12:09:30 Result: H:\TURBO6\5890-14\14a42035.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	1.78	VV	152353	AR1242-A	0.5000	0.1667	3
11	2.06	VV	334013	AR1242-B	0.5000	0.1667	3
15	2.35	VV	474936	AR1242-C	0.5000	0.1667	3
			961302			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:09:33	
Reprocess Number	: buf2042: 38560			
Operator	: tchrom	Sample Name	: ACM42LA	
Sample Number	: 0.6NG	Study	: ACM	
AutoSampler	: HP 7673A	Rack/Vial	: 0/0	
Instrument Name	: 5890-14	Channel	: A	
Interface Serial #	: 9205571207	A/D mV Range	: 1000	
Delay Time	: 0.00 min	End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000	
Sample Amount	: 1.0000	Dilution Factor	: 1.00	
Data Acquisition Time	: 12/08/2004 16:10:58	Cycle	: 6	

(handwritten: 0.6ng)

Raw Data File : H:\TURBO6\5890-14\14a42036.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42036.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42036.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42036.rst
Calib Method : h:\turbo6\5890-14\na42(12-8-04).mth from H:\TURBO6\5890-14\14a42036.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq

(handwritten: 2nd source verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.35	—	1091502	AR1242	0.5677	1.9226e+06	2.1830e+06	-5.4
		1091502		0.5677		2.1830e+06	

(handwritten: 12/5/04)

12/09/2004 12:09:33 Result: H:\TURBO6\5890-14\14a42036.rst

Group Report For : AR1242

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.78	VV	172110	AR1242-A	0.5648	3.0471e+05	3.4422e+05	-5.9
2.06	VV	377244	AR1242-B	0.5647	6.6803e+05	7.5449e+05	-5.9
2.35	VV	542149	AR1242-C	0.5708	9.4987e+05	1.0843e+06	-4.9
		1091502		1.7003		2.1830e+06	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:09:36	
Reprocess Number	: buf2042: 38561				
Operator	: tchrom		Sample Name	: ICM48PA	
Sample Number	: 0.5NG		Study	: ICAL	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: A	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 1.00	
Data Acquisition Time	: 12/08/2004 16:23:22		Cycle	: 7	

Raw Data File : H:\TURBO6\5890-14\14a42037.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42037.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42037.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42037.rst
Calib Method : h:\turbo6\5890-14\na48(12-8-04).mth from H:\TURBO6\5890-14\14a42037.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
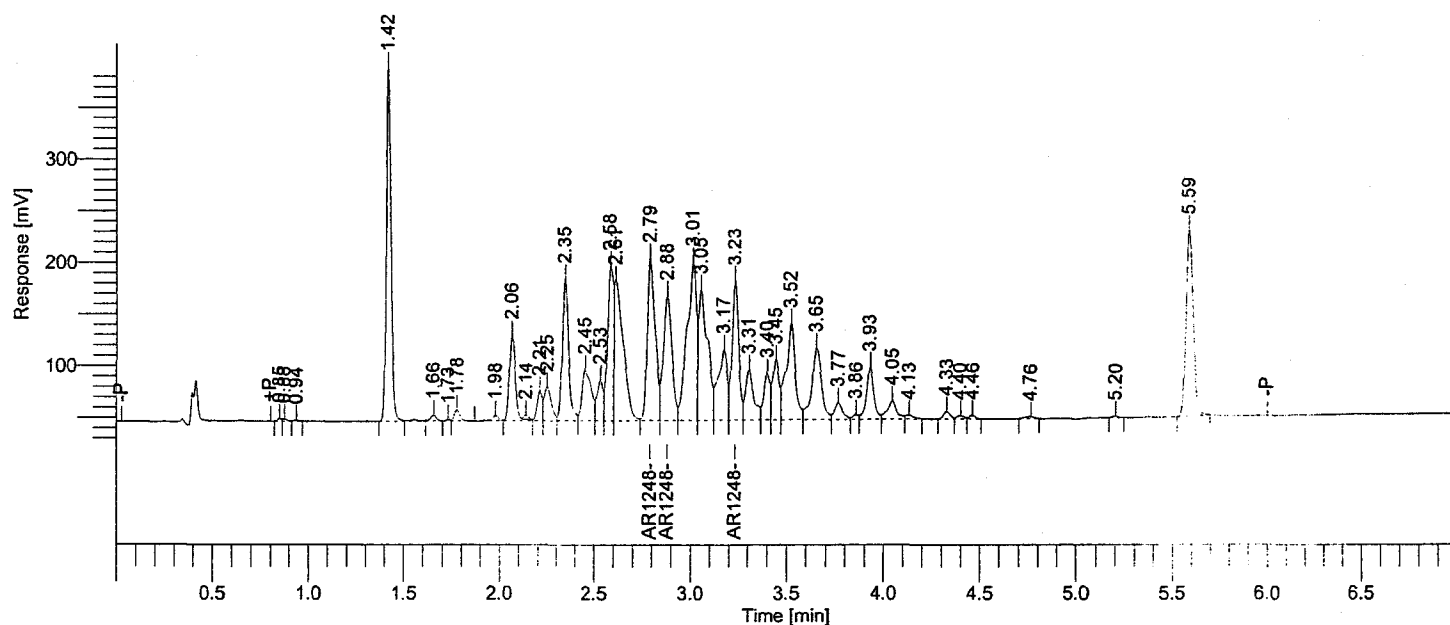
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.79		1150945	AR1248	0.5000	0.1667	3
			1150945			0.1667	

12/09/2004 12:09:36 Result: H:\TURBO6\5890-14\14a42037.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
18	2.79	VV	439577	AR1248-A	0.5000	0.1667	3
19	2.88	VV	373522	AR1248-B	0.5000	0.1667	3
23	3.23	VV	337846	AR1248-C	0.5000	0.1667	3
			1150945			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:09:40
Reprocess Number	: buf2042: 38563		
Operator	: tchrom	Sample Name	: ACM48JA
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 16:35:45	Cycle	: 8

(handwritten: 0.6 ng)

Raw Data File : H:\TURBO6\5890-14\14a42038.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42038.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42038.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42038.rst
Calib Method : h:\turbo6\5890-14\na48(12-8-04).mth from H:\TURBO6\5890-14\14a42038.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
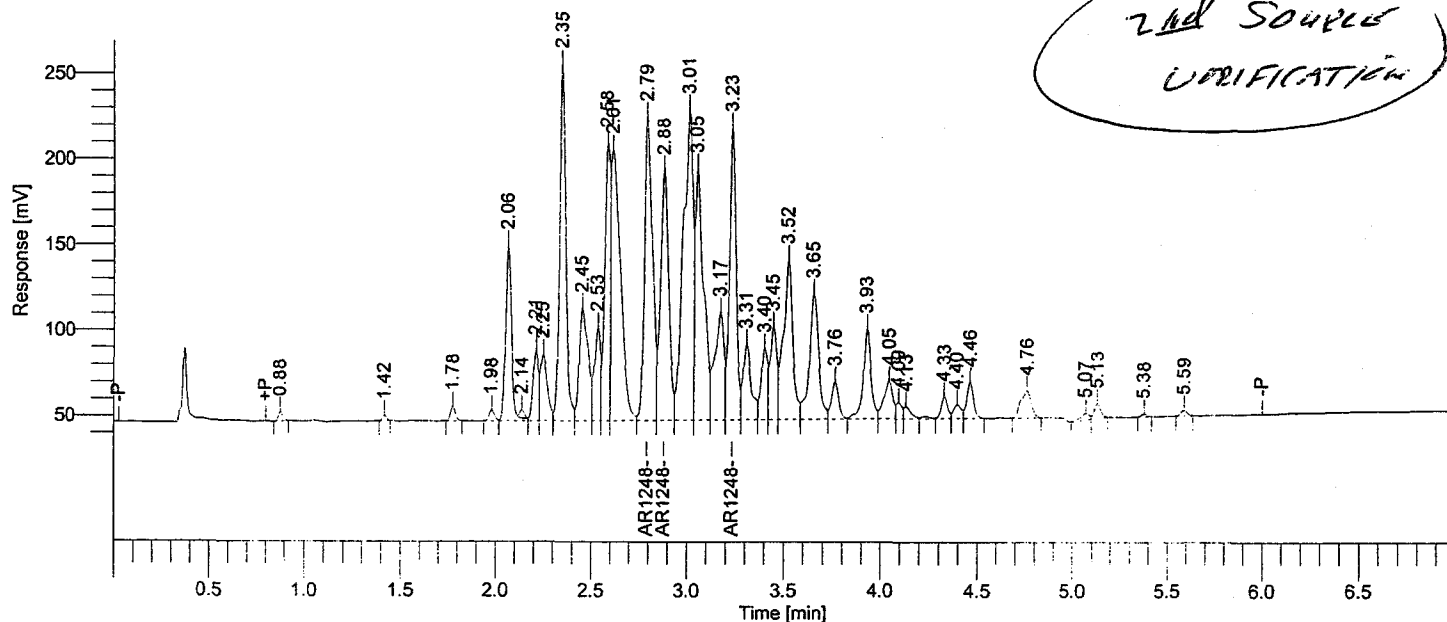
(handwritten: 2nd Source Verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.79		1378476	AR1248	0.5988	2.3019e+06	2.7570e+06	-0.2
		1378476		0.5988		2.7570e+06	

(handwritten: 12/9/04)

12/09/2004 12:09:40 Result: H:\TURBO6\5890-14\14a42038.rst

Group Report For : AR1248

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.79	VV	505339	AR1248-A	0.5748	8.7915e+05	1.0107e+06	-4.2
2.88	VV	452908	AR1248-B	0.6063	7.4704e+05	9.0582e+05	1.0
3.23	VV	420229	AR1248-C	0.6219	6.7569e+05	8.4046e+05	3.7
		1378476		1.8030		2.7570e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:36:07
Reprocess Number	: buf2042: 38573		
Operator	: tchrom	Sample Name	: ICM54RA
Sample Number	: 0.5NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 16:48:11	Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14a42039.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42039.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42039.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42039.rst
Calib Method : h:\turbo6\5890-14\na54(12-8-04).mth from H:\TURBO6\5890-14\14a42039.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
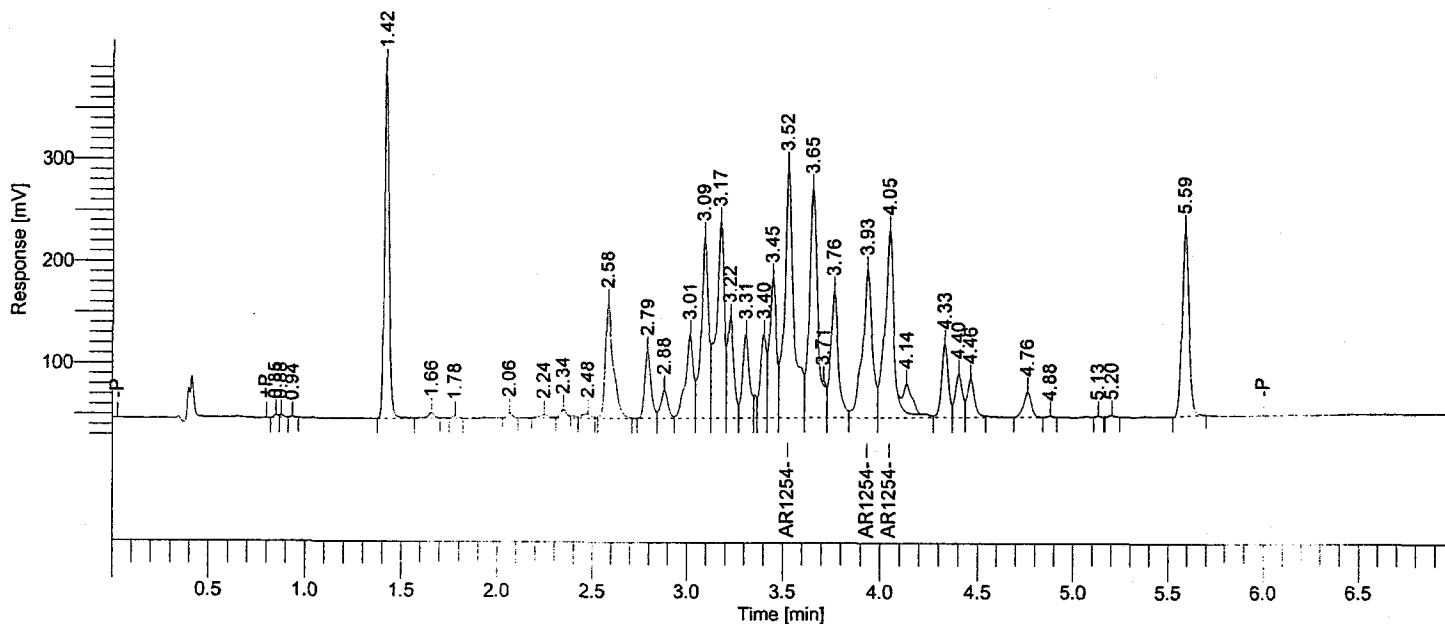
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	3.52		1942240	AR1254	0.5000	0.1667	3
			1942240			0.1667	

Processed by: *GAD 12\5\04*

Reviewed by: *RW 12\10\04*

12/09/2004 12:36:07 Result: H:\TURBO6\5890-14\14a42039.rst

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
21	3.52	VV	838793	AR1254-A	0.5000	0.1667	3
25	3.93	VV	508805	AR1254-B	0.5000	0.1667	3
26	4.05	VE	594641	AR1254-C	0.5000	0.1667	3
			1942240			0.5000	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:36:11
Reprocess Number	: buf2042: 38575			
Operator	: tchrom		Sample Name	: ACM54DA
Sample Number	: 0.6NG		Study	: ACM
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: A
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 8000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 17:00:33		Cycle	: 2

(handwritten: 0.6 ng)

Raw Data File : H:\TURBO6\5890-14\14a42040.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42040.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42040.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42040.rst
Calib Method : h:\turbo6\5890-14\na54(12-8-04).mth from H:\TURBO6\5890-14\14a42040.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
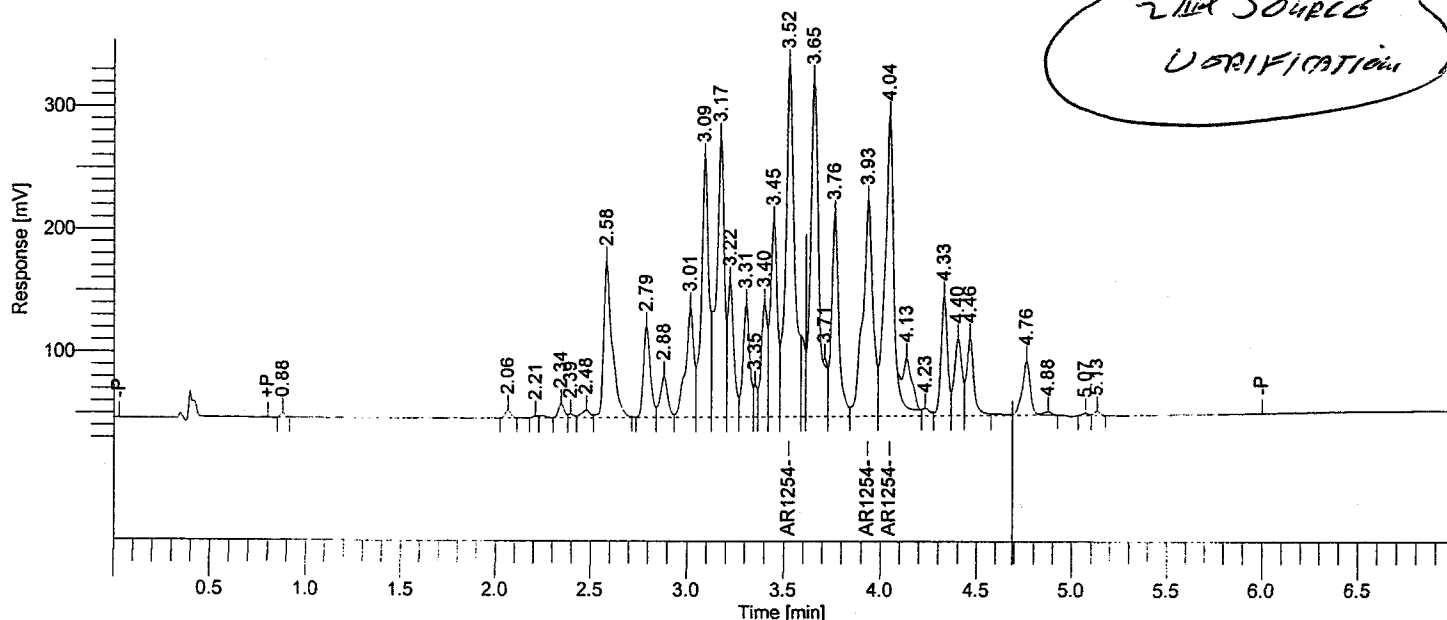
(handwritten: 2nd source verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.52	—	2385537	AR1254	0.6141	3.8845e+06	4.7711e+06	2.4
		2385537		0.6141		4.7711e+06	

(handwritten: 12/9/04)

12/09/2004 12:36:11 Result: H:\TURBO6\5890-14\14a42040.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.52	VV	913161	AR1254-A	0.5443	1.6776e+06	1.8263e+06	-9.3
3.93	VV	641073	AR1254-B	0.6300	1.0176e+06	1.2821e+06	5.0
4.04	VE	831303	AR1254-C	0.6990	1.1893e+06	1.6626e+06	16.5
		2385537		1.8733		4.7711e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 10:31:44
Reprocess Number	: buf2042: 38543		
Operator	: tchrom	Sample Name	: ICM66JB
Sample Number	: 2.5NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 17:12:57	Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14b42041.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42041.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42041.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42041.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42041.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
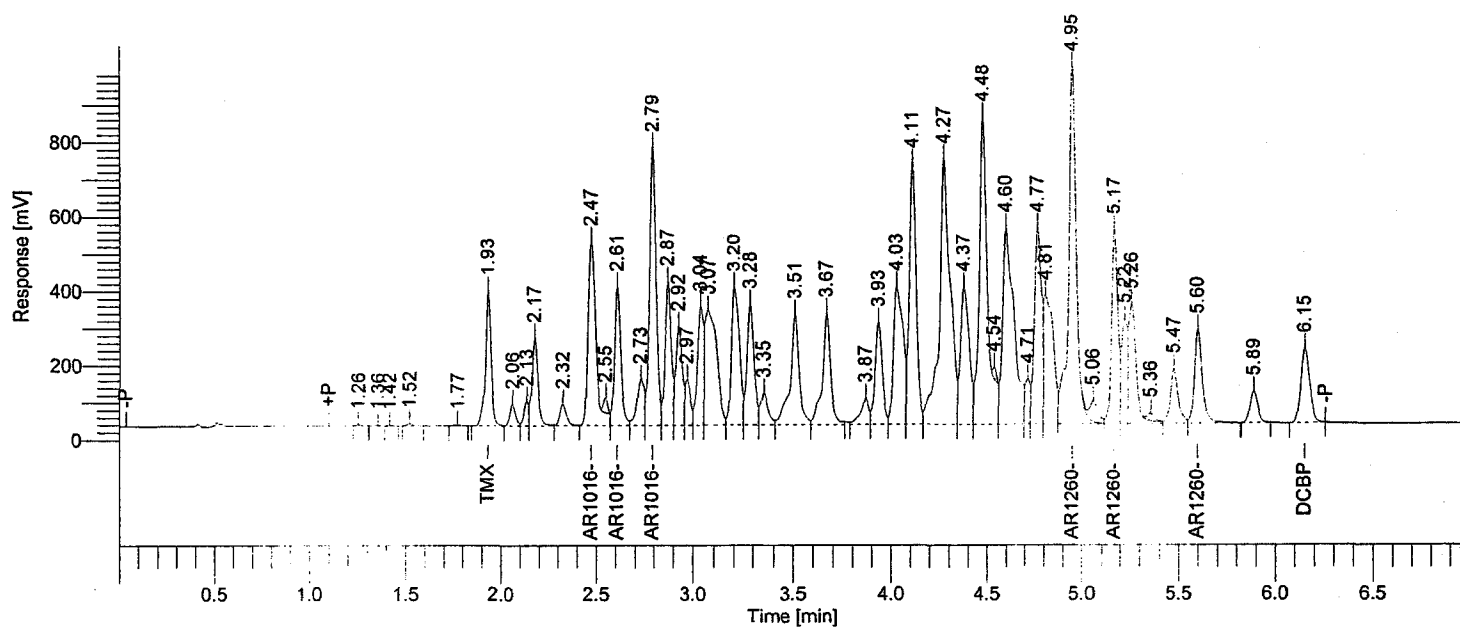
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.93	BV	766311	TMX	0.0500	-------	0
	2.79		4056718	AR1016	2.5000	0.8333	3
	4.95		4815010	AR1260	2.5000	0.8333	3
47	6.15	*BB	640726	DCBP	0.0500	-------	0
			10278765			1.6667	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 10:31:49
Reprocess Number	: buf2042: 38545			
Operator	: tchrom		Sample Name	: ICM66JD
Sample Number	: 0.5NG		Study	: ICAL
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: B
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 17:37:44		Cycle	: 3

Raw Data File : H:\TURBO6\5890-14\14b42043.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42043.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42043.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42043.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42043.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
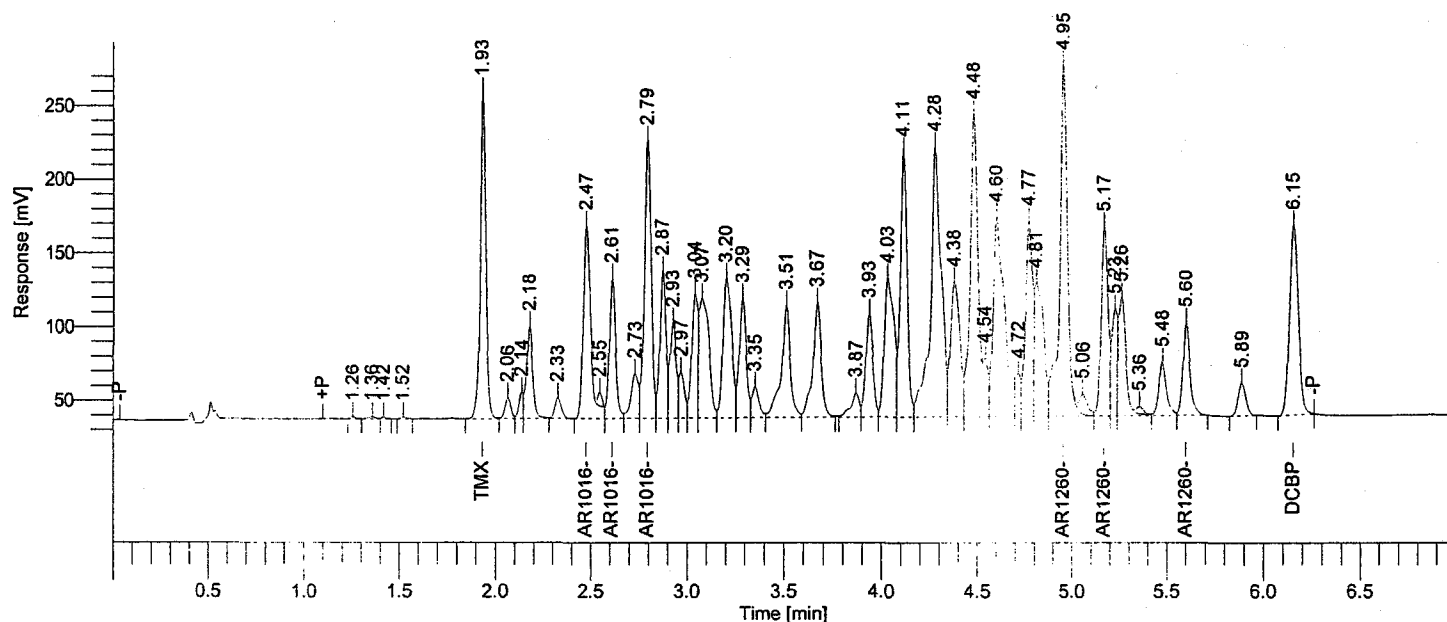
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.93	BV	438254	TMX	0.0300	-------	0
	2.79		1053859	AR1016	0.5000	0.1667	3
	4.95		1195629	AR1260	0.5000	0.1667	3
46	6.15	*BB	413217	DCBP	0.0300	-------	0
			3100959			0.3333	

12/09/2004 10:31:49 Result: H:\TURBO6\5890-14\14b42043.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	2.47	VE	372322	AR1016-A	0.5000	0.1667	3
12	2.61	VV	216804	AR1016-B	0.5000	0.1667	3
14	2.79	VV	464732	AR1016-C	0.5000	0.1667	3
			1053859			0.5000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
37	4.95	VE	708013	AR1260-A	0.5000	0.1667	3
39	5.17	VV	320441	AR1260-B	0.5000	0.1667	3
44	5.60	VB	167175	AR1260-C	0.5000	0.1667	3
			1195629			0.5000	

Software Version	: 6.2.1.0.104:0104			Date	: 12/09/2004 10:31:52	
Reprocess Number	: buf2042: 38546					
Operator	: tchrom			Sample Name	: ICM66JE	
Sample Number	: 0.25NG			Study	: ICAL	
AutoSampler	: HP 7673A			Rack/Vial	: 0/0	
Instrument Name	: 5890-14			Channel	: B	
Interface Serial #	: 9205571207			A/D mV Range	: 1000	
Delay Time	: 0.00 min			End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s					
Sample Volume	: 1.000000 uL			Area Reject	: 3000.000000	
Sample Amount	: 1.0000			Dilution Factor	: 1.00	
Data Acquisition Time	: 12/08/2004 17:50:09			Cycle	: 4	

Raw Data File : H:\TURBO6\5890-14\14b42044.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42044.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42044.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42044.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42044.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
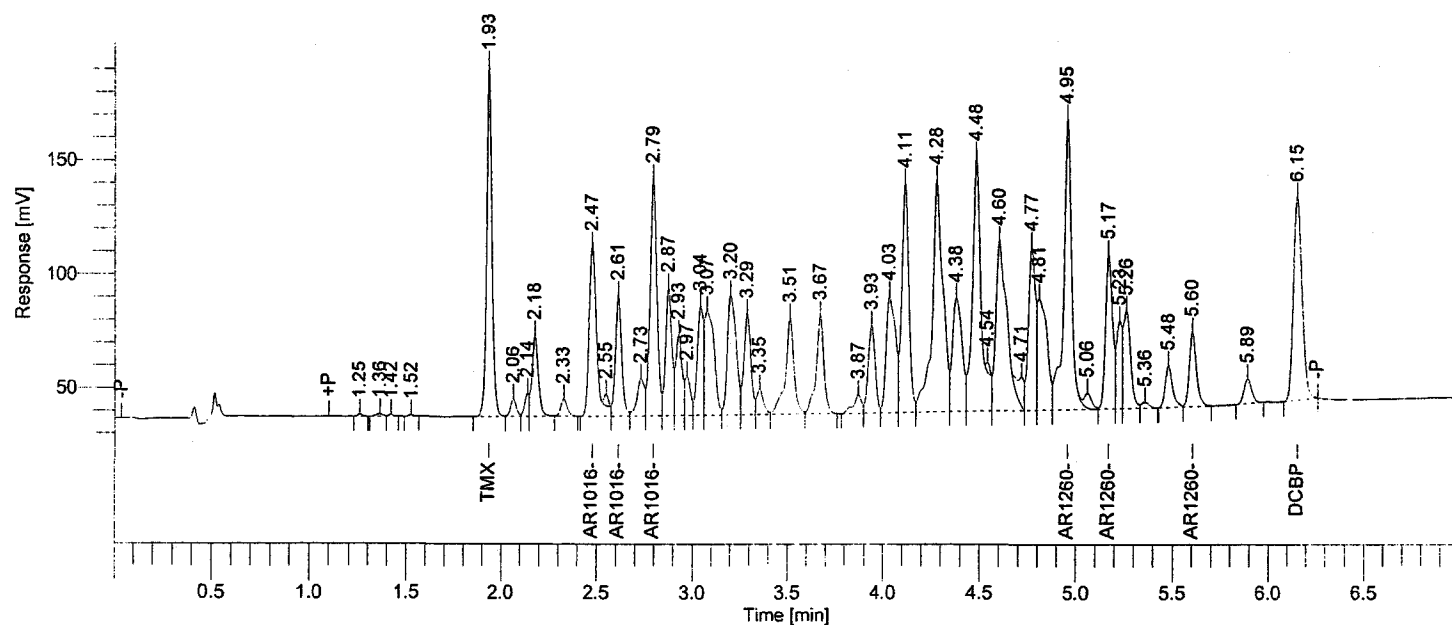
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.93	BV	302746	TMX	0.0200	-------	0
	2.79		593637	AR1016	0.2500	0.0833	3
	4.95		634308	AR1260	0.2500	0.0833	3
46	6.15	*BB	285646	DCBP	0.0200	-------	0
			1816337			0.1667	

12/09/2004 10:31:52 Result: H:\TURBO6\5890-14\14b42044.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	2.47	BE	212872	AR1016-A	0.2500	0.0833	3
12	2.61	VV	121710	AR1016-B	0.2500	0.0833	3
14	2.79	VV	259056	AR1016-C	0.2500	0.0833	3
			593637			0.2500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
37	4.95	VE	380226	AR1260-A	0.2500	0.0833	3
39	5.17	VV	168451	AR1260-B	0.2500	0.0833	3
44	5.60	VB	85631	AR1260-C	0.2500	0.0833	3
			634308			0.2500	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 10:31:54
Reprocess Number	: buf2042: 38547		
Operator	: tchrom	Sample Name	: ICM66JF
Sample Number	: 0.1NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:02:35	Cycle	: 5

Raw Data File : H:\TURBO6\5890-14\14b42045.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42045.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42045.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42045.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42045.rst
Report Format File : h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
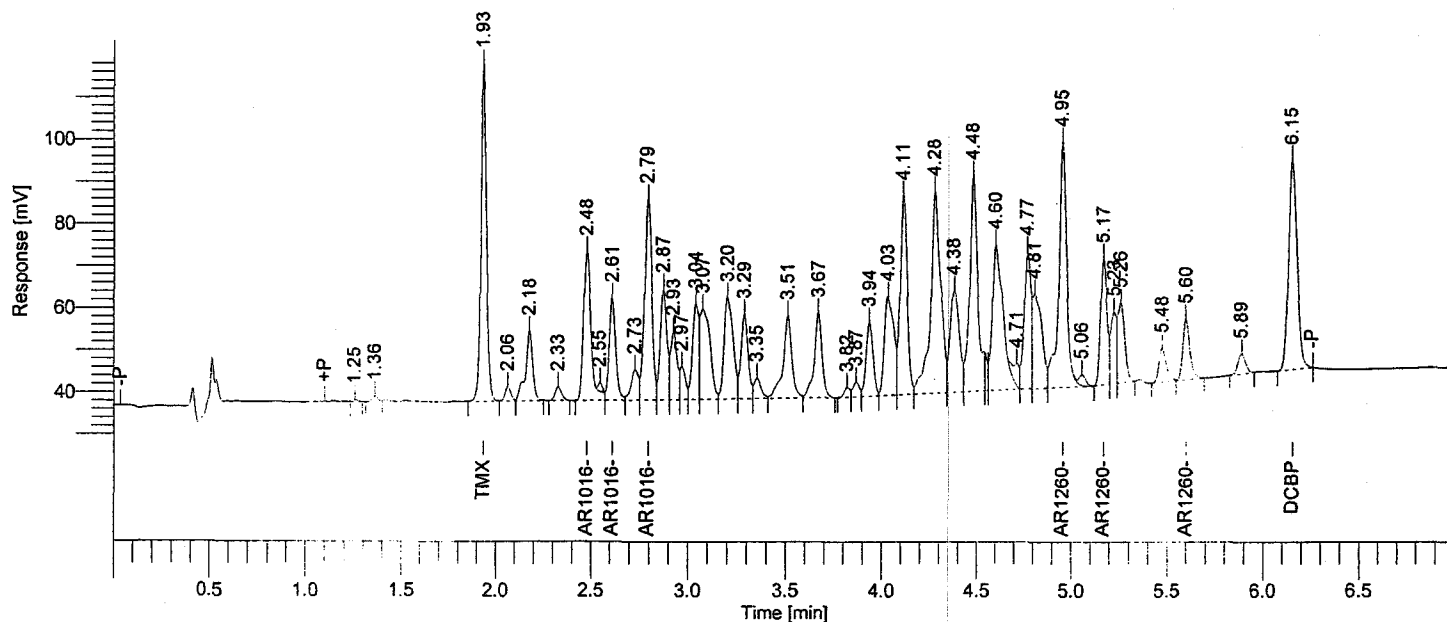
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.93	BV	158719	TMX	0.0100	------	0
	2.79		276956	AR1016	0.1000	0.0333	3
	4.95		283367	AR1260	0.1000	0.0333	3
42	6.15	*BB	158827	DCBP	0.0100	------	0
			877870			0.0667	

12/09/2004 10:31:54 Result: H:\TURBO6\5890-14\14b42045.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	2.48	BE	100542	AR1016-A	0.1000	0.0333	3
9	2.61	VV	56648	AR1016-B	0.1000	0.0333	3
11	2.79	VV	119766	AR1016-C	0.1000	0.0333	3
			276956			0.1000	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
34	4.95	VE	171905	AR1260-A	0.1000	0.0333	3
36	5.17	BV	73819	AR1260-B	0.1000	0.0333	3
40	5.60	VB	37644	AR1260-C	0.1000	0.0333	3
			283367			0.1000	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 10:31:56
Reprocess Number	: buf2042: 38548			
Operator	: tchrom		Sample Name	: ICM66JG
Sample Number	: 0.05NG		Study	: ICAL
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: B
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:15:28		Cycle	: 6

Raw Data File : H:\TURBO6\5890-14\14b42046.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42046.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42046.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42046.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42046.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
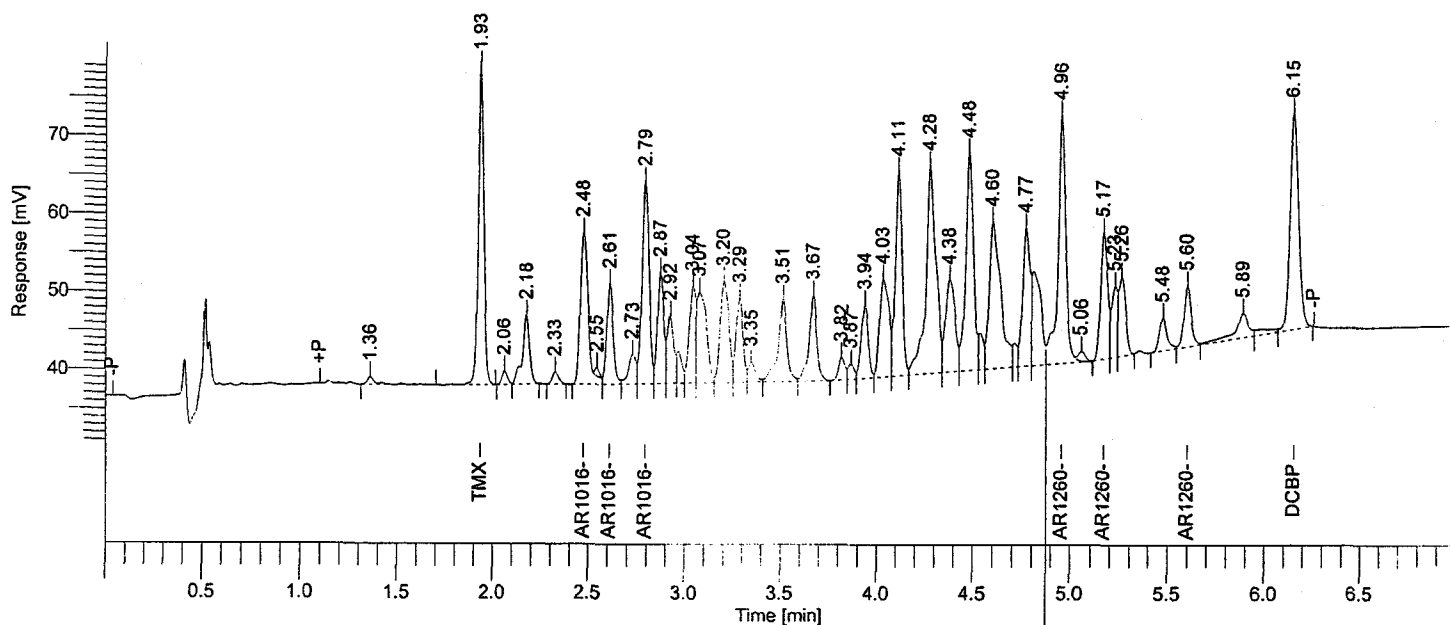
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.93	VB	82612	TMX	0.0050	-------	0
	2.79		150241	AR1016	0.0500	0.0167	3
	4.96		153046	AR1260	0.0500	0.0167	3
38	6.15	VB	89196	DCBP	0.0050	-------	0
			475096			0.0333	

12/09/2004 10:31:56 Result: H:\TURBO6\5890-14\14b42046.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	2.48	BE	54907	AR1016-A	0.0500	0.0167	3
8	2.61	VV	30167	AR1016-B	0.0500	0.0167	3
10	2.79	VV	65167	AR1016-C	0.0500	0.0167	3
			150241			0.0500	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
30	4.96	VE	92543	AR1260-A	0.0500	0.0167	3
32	5.17	BV	40171	AR1260-B	0.0500	0.0167	3
36	5.60	VV	20333	AR1260-C	0.0500	0.0167	3
			153046			0.0500	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 10:31:59
Reprocess Number	: buf2042: 38549		
Operator	: tchrom	Sample Name	: ICM66JE
Sample Number	: 0.025NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:27:52	Cycle	: 7

Raw Data File : H:\TURBO6\5890-14\14b42047.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42047.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42047.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42047.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42047.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
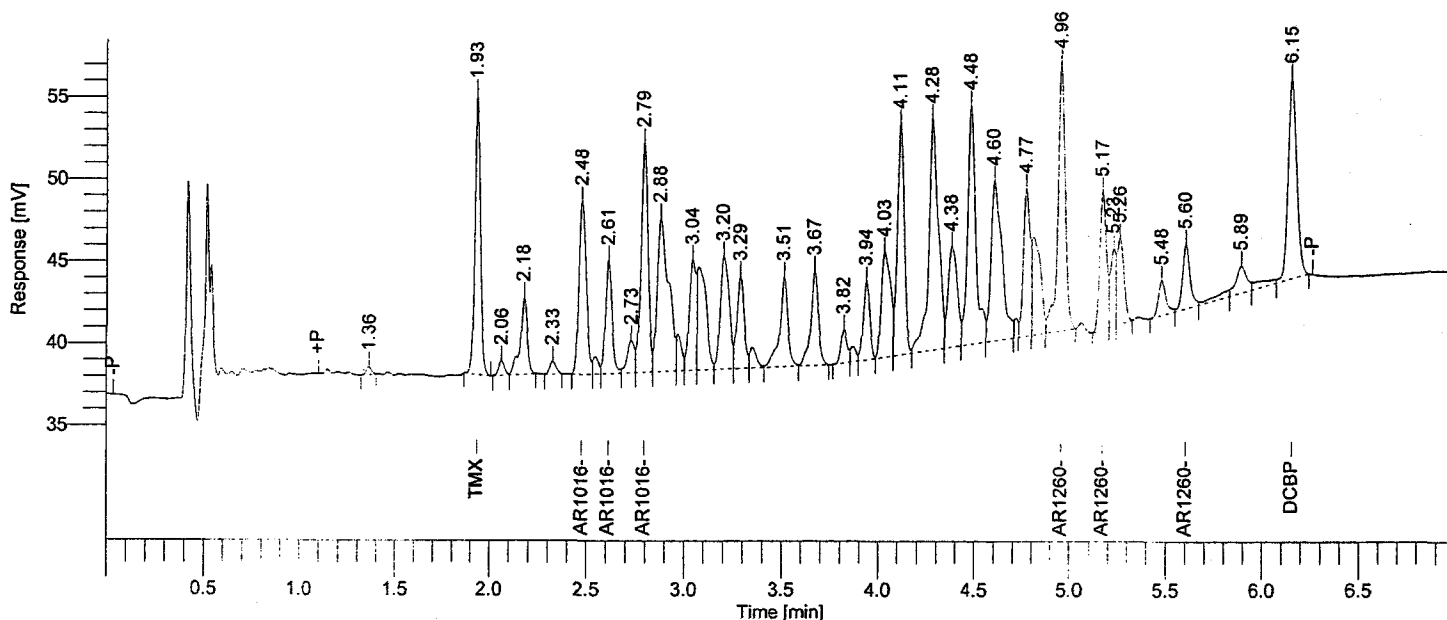
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
2	1.93	BB	34721	TMX	0.0019	-------	0
	2.79		79315	AR1016	0.0250	0.0083	3
	4.96		76229	AR1260	0.0250	0.0083	3
32	6.15	VB	38866	DCBP	0.0014	-------	0
			229130			0.0167	

12/09/2004 10:31:59 Result: H:\TURBO6\5890-14\14b42047.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	2.48	BV	28240	AR1016-A⁻	0.0250	0.0083	3
7	2.61	VV	16058	AR1016-B	0.0250	0.0083	3
9	2.79	VV	35017	AR1016-C	0.0250	0.0083	3
			79315			0.0250	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
25	4.96	VB	44947	AR1260-A	0.0250	0.0083	3
26	5.17	BV	20549	AR1260-B	0.0250	0.0083	3
30	5.60	VV	10732	AR1260-C	0.0250	0.0083	3
			76229			0.0250	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 10:39:54
Reprocess Number	: buf2042: 38550		
Operator	: tchrom	Sample Name	: ACM66BB
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 18:40:16	Cycle	: 1

(handwritten: 0.6 ng)

Raw Data File : H:\TURBO6\5890-14\14b42048.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42048.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42048.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42048.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42048.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
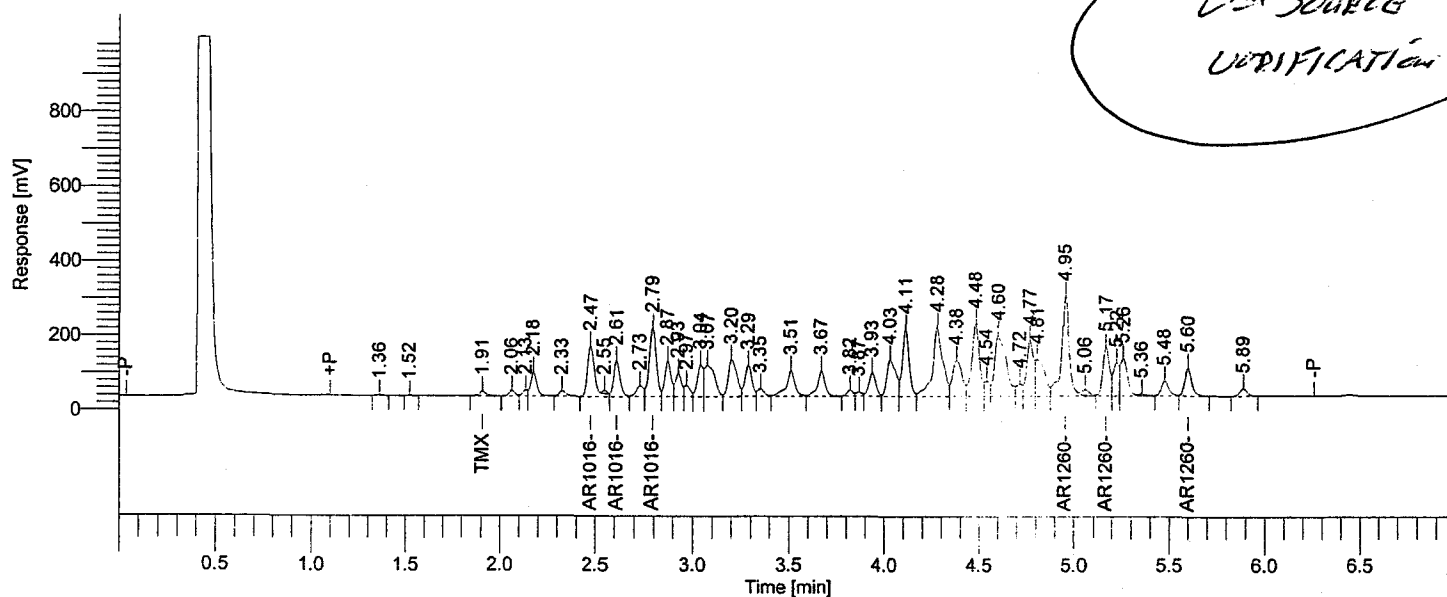
(handwritten: 2 uul SOURCE VERIFICATION)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.91	BB	30933	TMX	0.0011	2.9107e+07	61865.4746	-99.8
2.79		1044920	AR1016	0.4972	2.1018e+06	2.0898e+06	-17.1
4.95		1308031	AR1260	0.5559	2.3532e+06	2.6161e+06	-7.4
		2383884		1.0541		4.7678e+06	

(handwritten: 12/9/04)

12/09/2004 10:39:54 Result: H:\TURBO6\5890-14\14b42048.rst

Group Report For : AR1016

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.47	BE	375542	AR1016-A	0.5068	7.4104e+05	7.5108e+05	-15.5
2.61	VV	216613	AR1016-B	0.5014	4.3200e+05	4.3323e+05	-16.4
2.79	VV	452765	AR1016-C	0.4877	9.2843e+05	9.0553e+05	-18.7
		1044920		1.4959		2.0898e+06	

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
4.95	VE	788232	AR1260-A	0.5660	1.3925e+06	1.5765e+06	-5.7
5.17	VV	324555	AR1260-B	0.5131	6.3257e+05	6.4911e+05	-14.5
5.60	VB	195244	AR1260-C	0.5952	3.2801e+05	3.9049e+05	-0.8
		1308031		1.6744		2.6161e+06	

Software Version	: 6.2.1.0.104:0104	Date : 12/09/2004 12:09:11
Reprocess Number	: buf2042: 38552	
Operator	: tchrom	Sample Name : ICM21PA
Sample Number	: 0.5NG	Study : ICAL
AutoSampler	: HP 7673A	Rack/Vial : 0/0
Instrument Name	: 5890-14	Channel : B
Interface Serial #	: 9205571207	A/D mV Range : 1000
Delay Time	: 0.00 min	End Time : 7.00 min
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	Area Reject : 3000.000000
Sample Amount	: 1.0000	Dilution Factor : 1.00
Data Acquisition Time	: 12/08/2004 15:09:03	Cycle : 1

Raw Data File : H:\TURBO6\5890-14\14b42031.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42031.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42031.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42031.rst
Calib Method : h:\turbo6\5890-14\nb21(12-8-04).mth from H:\TURBO6\5890-14\14b42031.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
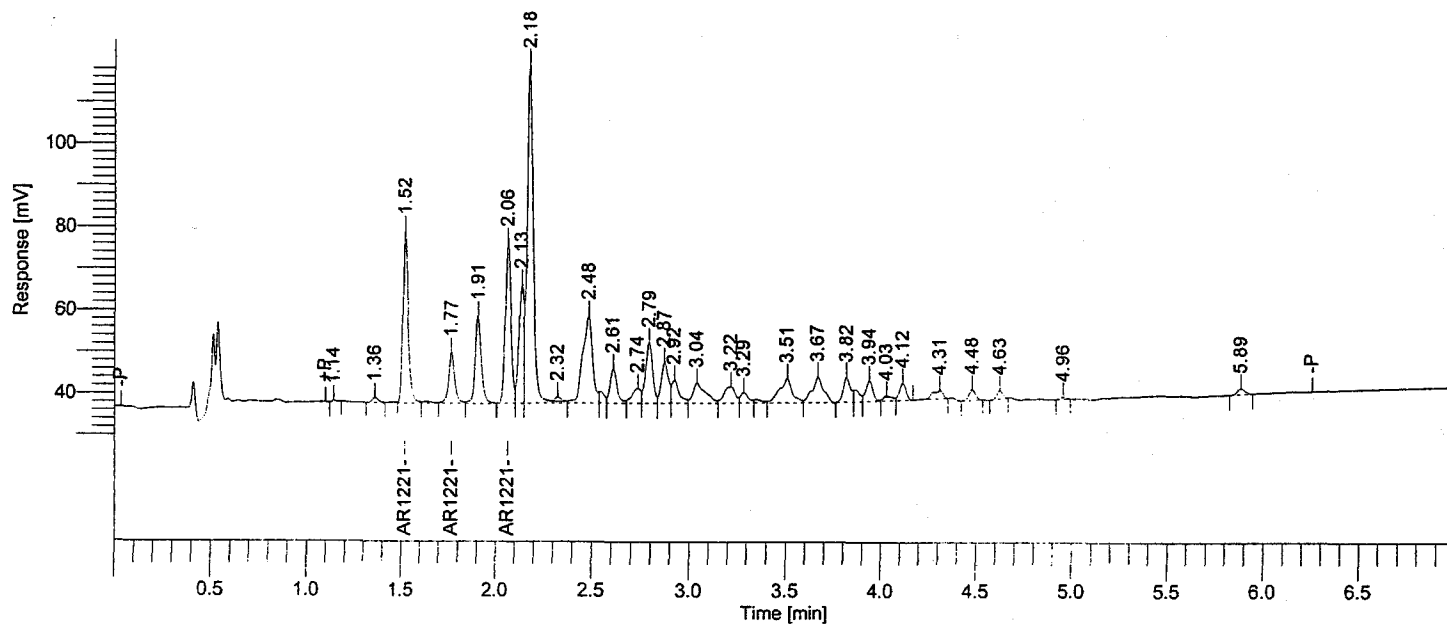
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	1.52		190426	AR1221	0.5000	0.1667	3
			190426			0.1667	

Processed by: GKD 12/9/04
Reviewed by: BN 2/10/04

12/09/2004 12:09:11 Result: H:\TURBO6\5890-14\14b42031.rst

Group Report For : AR1221

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.52	VV	83360	AR1221-A	0.5000	0.1667	3
4	1.77	VV	26661	AR1221-B	0.5000	0.1667	3
6	2.06	BV	80405	AR1221-C	0.5000	0.1667	3
			190426			0.5000	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:09:16
Reprocess Number	: buf2042: 38554			
Operator	: tchrom		Sample Name	: ACM21NA
Sample Number	: 0.6NG		Study	: ACM
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: B
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 8000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:21:24		Cycle	: 2

(handwritten: O.6ng)

Raw Data File : H:\TURBO6\5890-14\14b42032.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42032.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42032.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42032.rst
Calib Method : h:\turbo6\5890-14\nb21(12-8-04).mth from H:\TURBO6\5890-14\14b42032.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
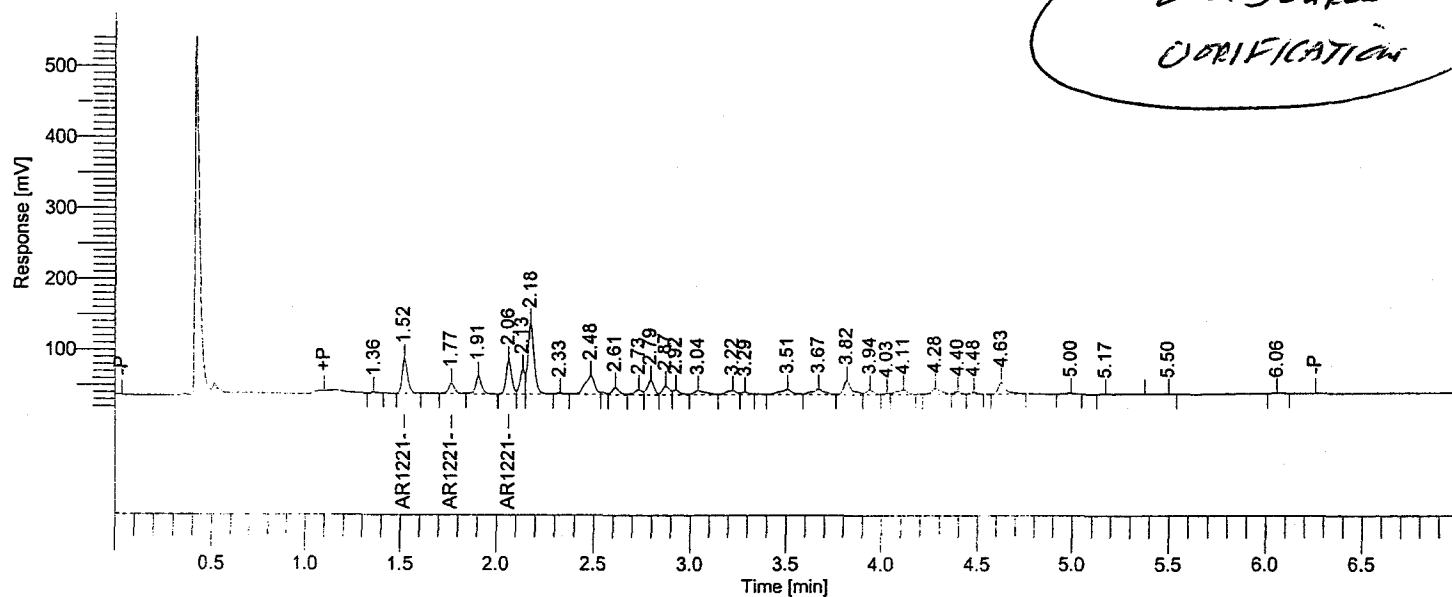
(handwritten: 2nd source verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.52		226220	AR1221	0.5940	3.8085e+05	4.5244e+05	-1.0
		226220		0.5940		4.5244e+05	

(handwritten: 14/9/04 BPD)

12/09/2004 12:09:16 Result: H:\TURBO6\5890-14\14b42032.rst

Group Report For : AR1221

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.52	BV	95531	AR1221-A	0.5730	1.6672e+05	1.9106e+05	-4.5
1.77	VV	33340	AR1221-B	0.6253	53321.9568	66680.3150	4.2
2.06	BV	97349	AR1221-C	0.6054	1.6081e+05	1.9470e+05	0.9
		226220		1.8036		4.5244e+05	

Software Version	: 6.2.1.0.104:0104		Date	: 12/09/2004 12:09:22
Reprocess Number	: buf2042: 38556			
Operator	: tchrom		Sample Name	: ICM32DA
Sample Number	: 0.5NG		Study	: ICAL
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: B
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:33:49		Cycle	: 3

Raw Data File : H:\TURBO6\5890-14\14b42033.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42033.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42033.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42033.rst
Calib Method : h:\turbo6\5890-14\nb32(12-8-04).mth from H:\TURBO6\5890-14\14b42033.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
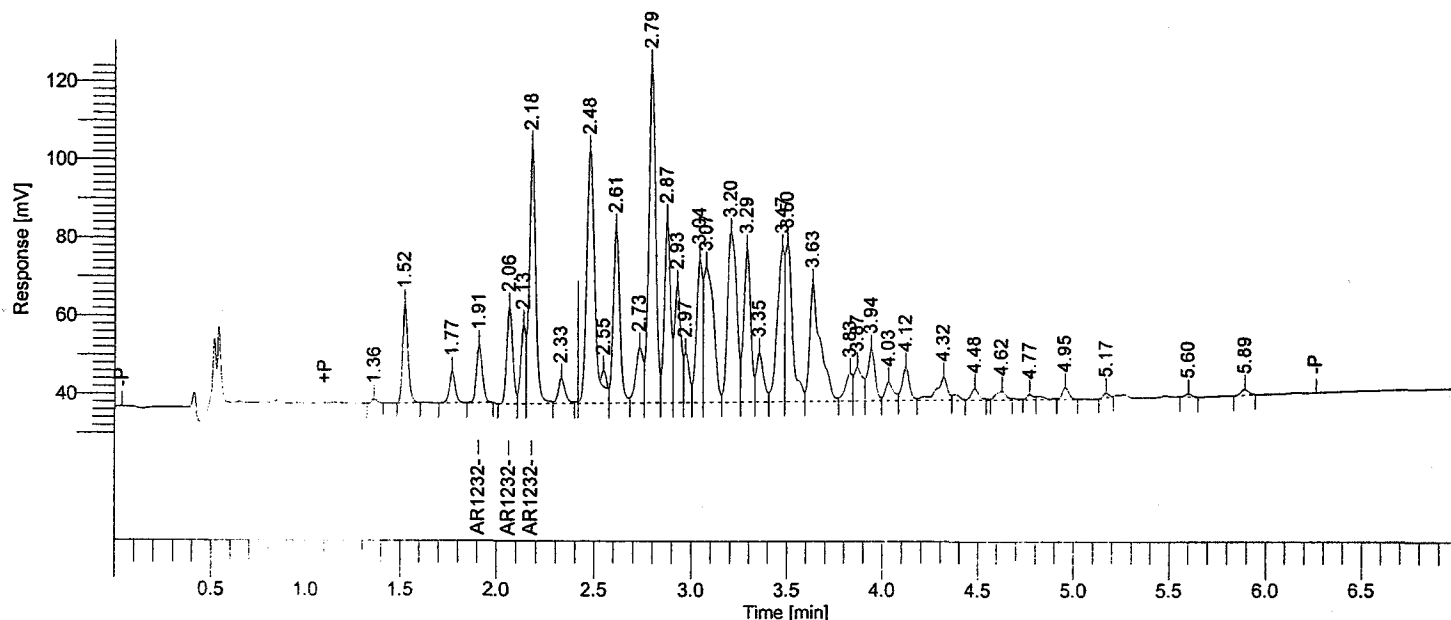
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.18		232948	AR1232	0.5000	0.1667	3
			232948			0.1667	

12/09/2004 12:09:22 Result: H:\TURBO6\5890-14\14b42033.rst

Group Report For : AR1232

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.91	VB	31839	AR1232-A	0.5000	0.1667	3
5	2.06	BV	51521	AR1232-B	0.5000	0.1667	3
7	2.18	VV	149588	AR1232-C	0.5000	0.1667	3
			232948			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:09:27
Reprocess Number	: buf2042: 38558		
Operator	: tchrom	Sample Name	: ACM32YA
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 15:46:12	Cycle	: 4

(handwritten: 0.6ng)

Raw Data File : H:\TURBO6\5890-14\14b42034.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42034.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42034.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42034.rst
Calib Method : h:\turbo6\5890-14\nb32(12-8-04).mth from H:\TURBO6\5890-14\14b42034.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
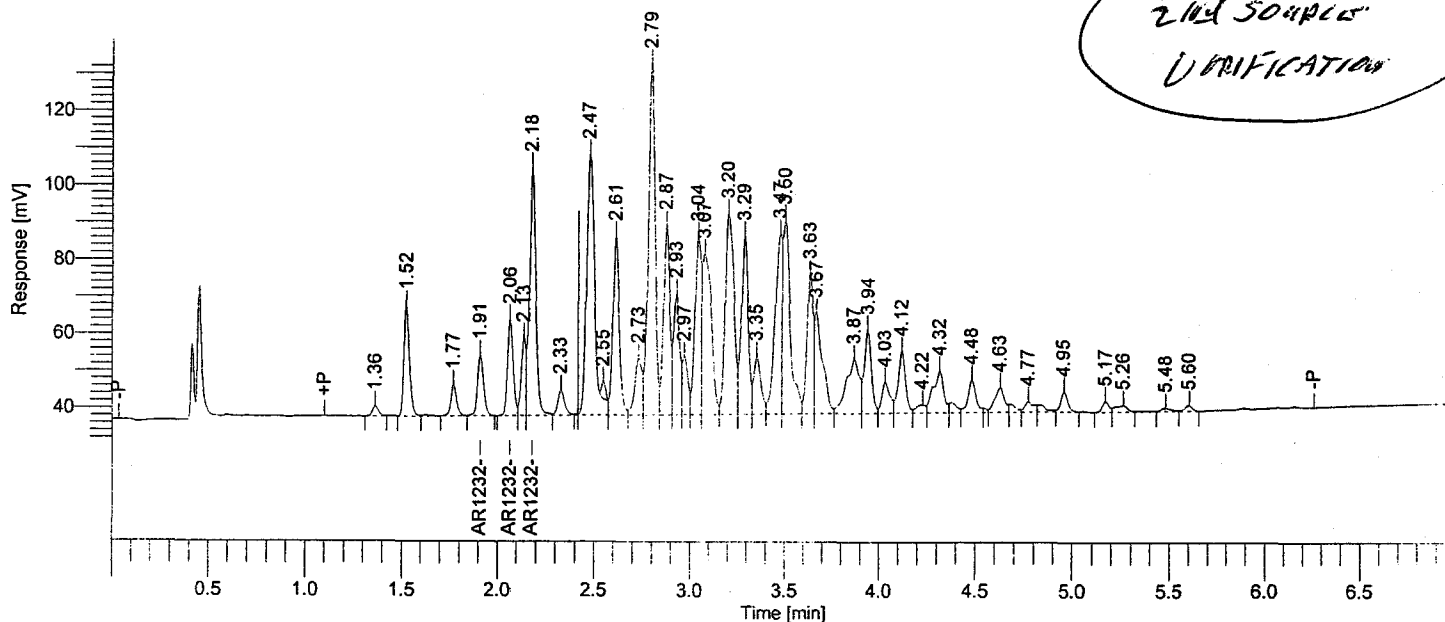
(handwritten: 2nd source verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.18		242343	AR1232	0.5202	4.6590e+05	4.8469e+05	-13.3
		242343		0.5202		4.8469e+05	

(handwritten: 12/9/04)

12/09/2004 12:09:27 Result: H:\TURBO6\5890-14\14b42034.rst

Group Report For : AR1232

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
1.91	VB	36266	AR1232-A	0.5695	63678.6263	72531.7510	-5.1
2.06	BV	54435	AR1232-B	0.5283	1.0304e+05	1.0887e+05	-12.0
2.18	VV	151642	AR1232-C	0.5069	2.9918e+05	3.0328e+05	-15.5
		242343		1.6047		4.8469e+05	

Software Version	: 6.2.1.0.104:0104			Date	: 12/09/2004 12:28:04	
Reprocess Number	: buf2042: 38571					
Operator	: tchrom			Sample Name	: ICM42QA	
Sample Number	: 0.5NG			Study	: ICAL	
AutoSampler	: HP 7673A			Rack/Vial	: 0/0	
Instrument Name	: 5890-14			Channel	: B	
Interface Serial #	: 9205571207			A/D mV Range	: 1000	
Delay Time	: 0.00 min			End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s					
Sample Volume	: 1.000000 uL			Area Reject	: 3000.000000	
Sample Amount	: 1.0000			Dilution Factor	: 1.00	
Data Acquisition Time	: 12/08/2004 15:58:37			Cycle	: 1	

Raw Data File : H:\TURBO6\5890-14\14b42035.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42035.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42035.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42035.rst
Calib Method : h:\turbo6\5890-14\nb42(12-8-04).mth from H:\TURBO6\5890-14\14b42035.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
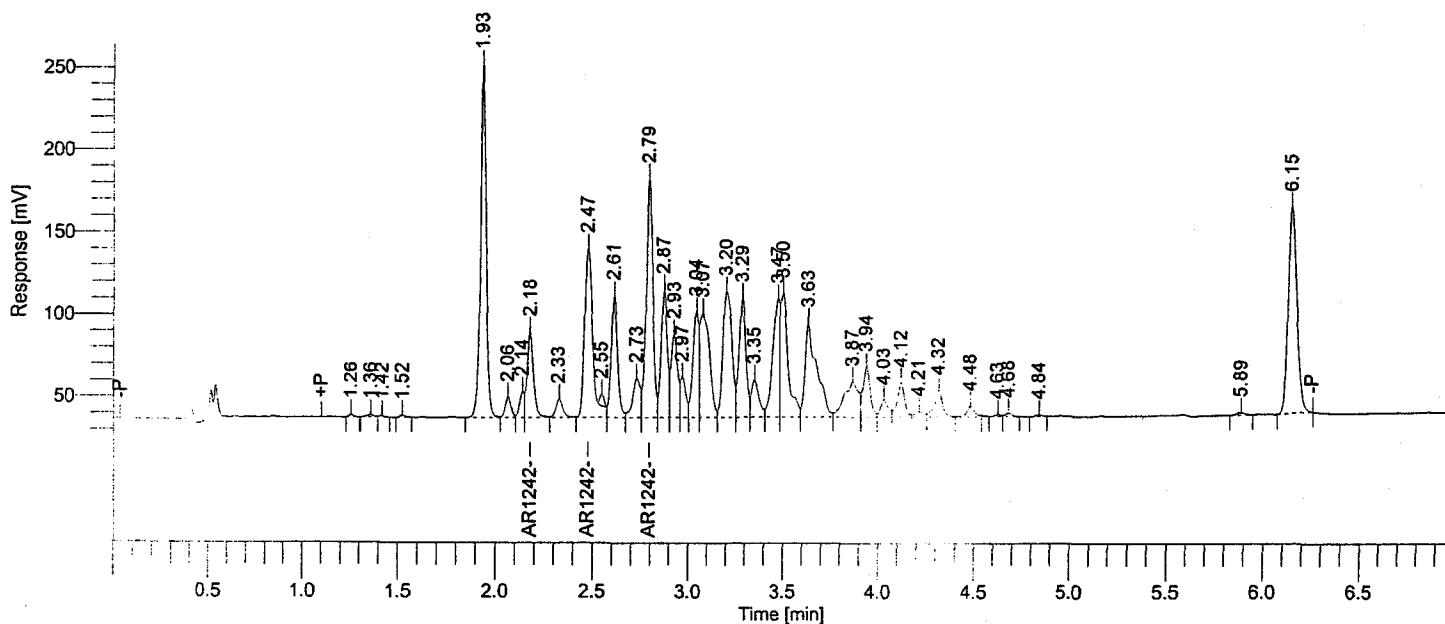
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	2.79		774485	AR1242	0.5000	0.1667	3
			774485			0.1667	

Processed by: GD 12\9\04
Reviewed by: BW 12\10\04

12/09/2004 12:28:04 Result: H:\TURBO6\5890-14\14b42035.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
8	2.18	VV	119684	AR1242-A	0.5000	0.1667	3
10	2.47	VE	294708	AR1242-B	0.5000	0.1667	3
14	2.79	VV	360093	AR1242-C	0.5000	0.1667	3
			774485			0.5000	

Software Version	: 6.2.1.0.104:0104
Reprocess Number	: buf2042: 38572
Operator	: tchrom
Sample Number	: 0.6NG
AutoSampler	: HP 7673A
Instrument Name	: 5890-14
Interface Serial #	: 9205571207
Delay Time	: 0.00 min
Sampling Rate	: 16.6660 pts/s
Sample Volume	: 1.000000 uL
Sample Amount	: 1.0000
Data Acquisition Time	: 12/08/2004 16:10:58

Date	: 12/09/2004 12:28:06
Sample Name	: ACM42LA
Study	: ACM
Rack/Vial	: 0/0
Channel	: B
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 8000.000000
Dilution Factor	: 1.00
Cycle	: 2

0.6ng

Raw Data File : H:\TURBO6\5890-14\14b42036.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42036.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42036.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42036.rst
Calib Method : h:\turbo6\5890-14\nb42(12-8-04).mth from H:\TURBO6\5890-14\14b42036.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
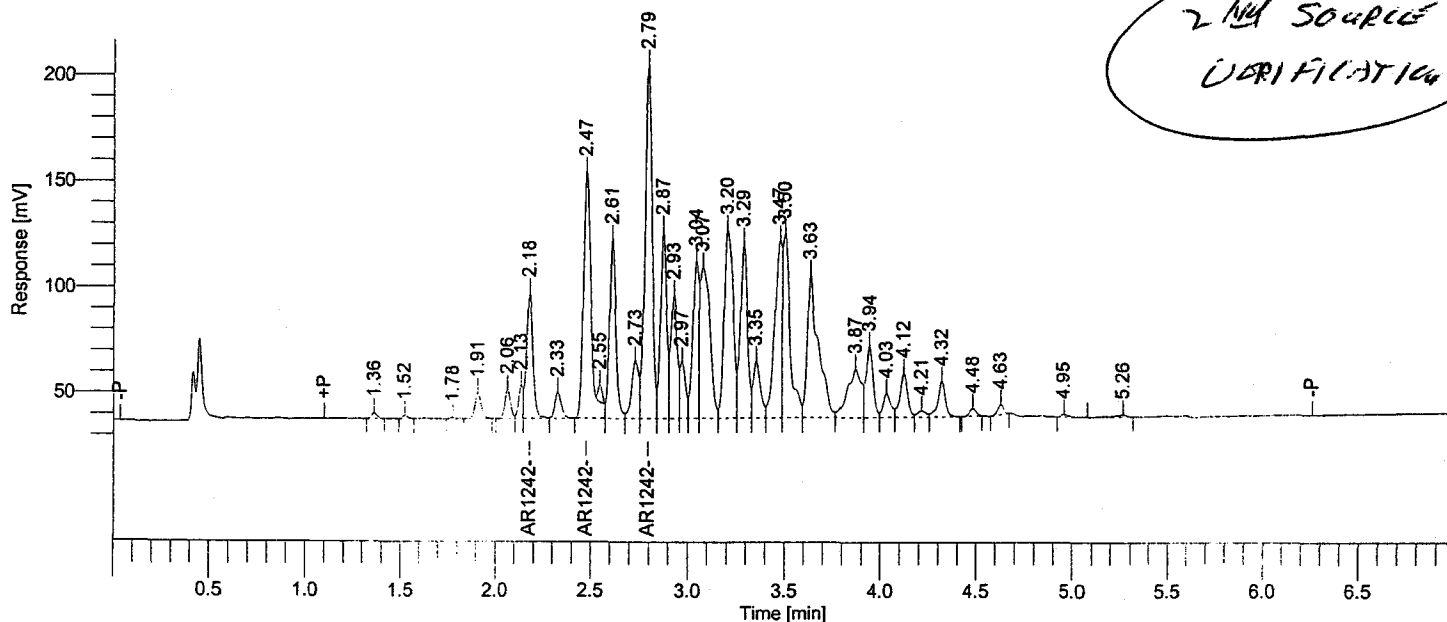
2nd source verification

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.79		880365	AR1242	0.5684	1.5490e+06	1.7607e+06	-5.3
		880365		0.5684		1.7607e+06	

12/09/2004 12:28:06 Result: H:\TURBO6\5890-14\14b42036.rst

Group Report For : AR1242

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.18	VV	134017	AR1242-A	0.5599	2.3937e+05	2.6803e+05	-6.7
2.47	VE	331911	AR1242-B	0.5631	5.8942e+05	6.6382e+05	-6.1
2.79	VV	414438	AR1242-C	0.5755	7.2019e+05	8.2888e+05	-4.1
		880365		1.6985		1.7607e+06	

Software Version	: 6.2.1.0.104:0104
Reprocess Number	: buf2042: 38562
Operator	: tchrom
Sample Number	: 0.5NG
AutoSampler	: HP 7673A
Instrument Name	: 5890-14
Interface Serial #	: 9205571207
Delay Time	: 0.00 min
Sampling Rate	: 16.6660 pts/s
Sample Volume	: 1.000000 uL
Sample Amount	: 1.0000
Data Acquisition Time	: 12/08/2004 16:23:22

Date	: 12/09/2004 12:09:38
Sample Name	: ICM48PA
Study	: ICAL
Rack/Vial	: 0/0
Channel	: B
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 3000.000000
Dilution Factor	: 1.00
Cycle	: 7

Raw Data File : H:\TURBO6\5890-14\14b42037.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42037.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42037.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42037.rst
Calib Method : h:\turbo6\5890-14\nb48(12-8-04).mth from H:\TURBO6\5890-14\14b42037.rst
Report Format File : h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
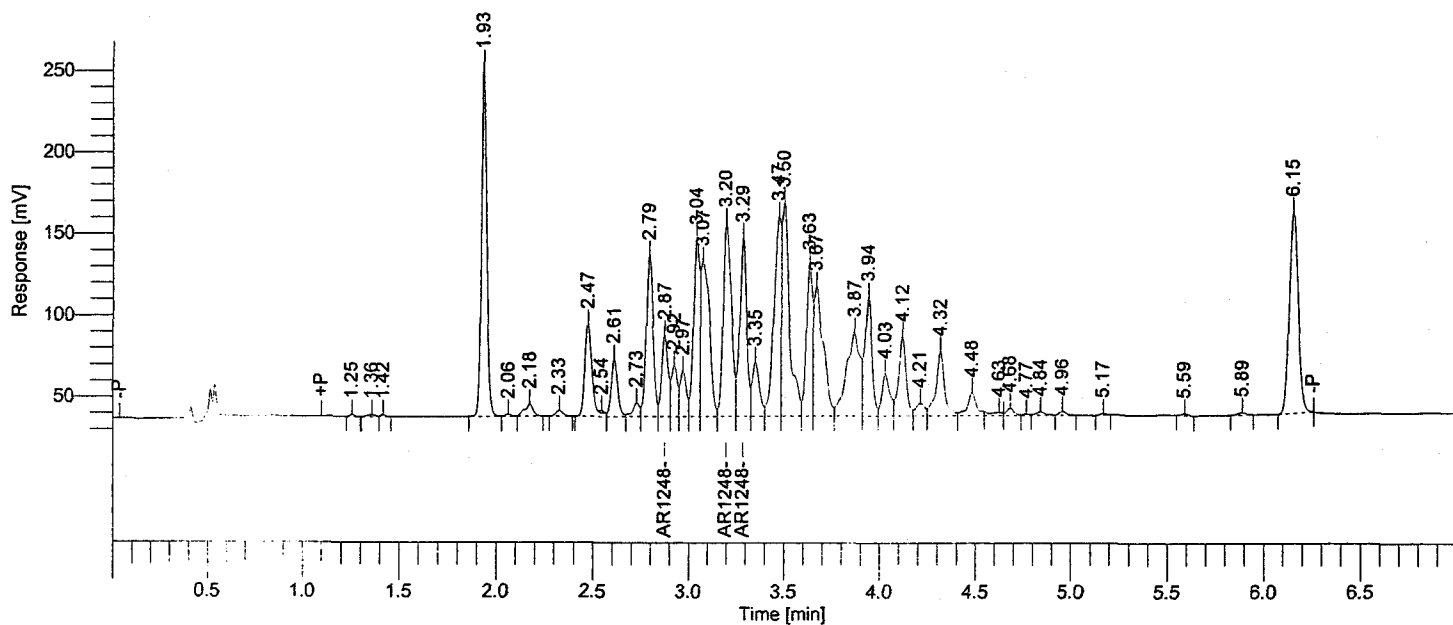
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	3.20		757040	AR1248	0.5000	0.1667	3
			757040			0.1667	

12/09/2004 12:09:38 Result: H:\TURBO6\5890-14\14b42037.rst

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
13	2.87	VV	119597	AR1248-A	0.5000	0.1667	3
18	3.20	VV	362515	AR1248-B	0.5000	0.1667	3
19	3.29	VV	274927	AR1248-C	0.5000	0.1667	3
			757040			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:09:42
Reprocess Number	: buf2042: 38564		
Operator	: tchrom	Sample Name	: ACM48JA
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 16:35:45	Cycle	: 8

0.6 ng (handwritten, circled)

Raw Data File : H:\TURBO6\5890-14\14b42038.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42038.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42038.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42038.rst
Calib Method : h:\turbo6\5890\14\nb48(12-8-04).mth from H:\TURBO6\5890-14\14b42038.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
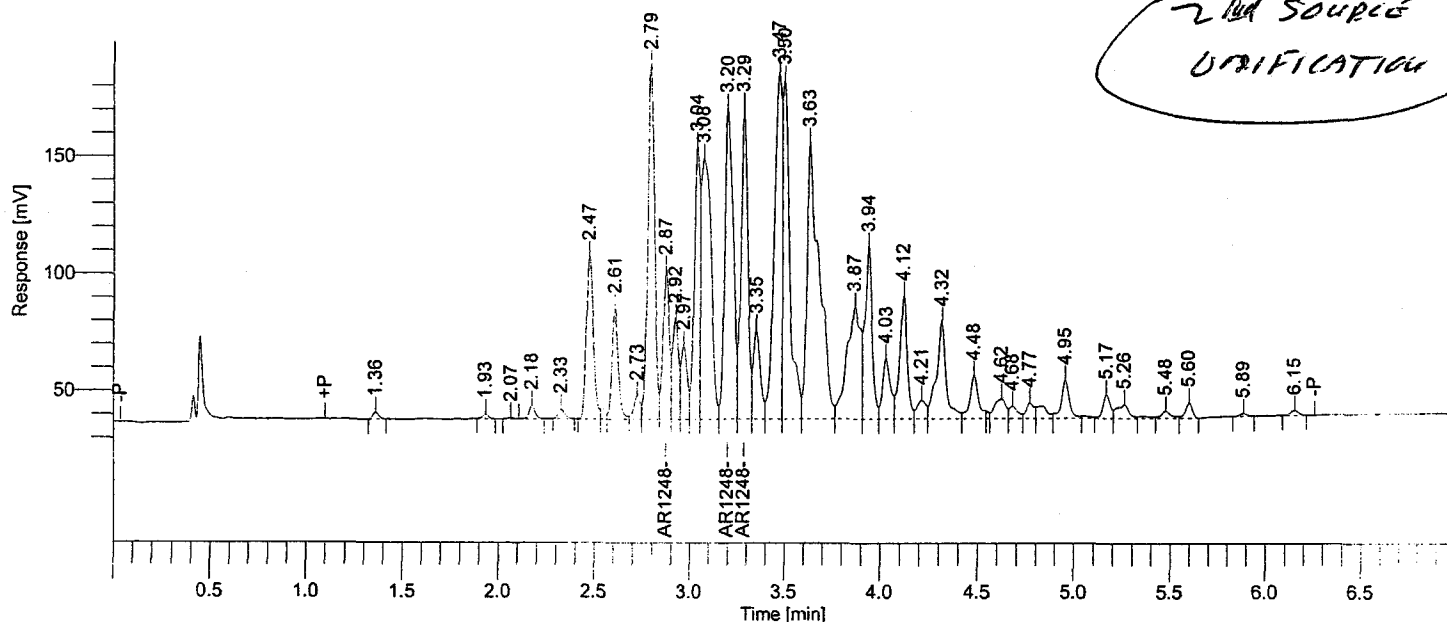
2nd source verification (handwritten, circled)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.29	—	895856	AR1248	0.5917	1.5141e+06	1.7917e+06	-1.4
		895856		0.5917		1.7917e+06	

12/9/04 QA (handwritten)

12/09/2004 12:09:42 Result: H:\TURBO6\5890-14\14b42038.rst

Group Report For : AR1248

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
2.87	VV	148314	AR1248-A	0.6201	2.3919e+05	2.9663e+05	3.3
3.20	VV	414541	AR1248-B	0.5718	7.2503e+05	8.2908e+05	-4.7
3.29	VV	333001	AR1248-C	0.6056	5.4985e+05	6.6600e+05	0.9
		895856		1.7974		1.7917e+06	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:36:10
Reprocess Number	: buf2042: 38574		
Operator	: tchrom	Sample Name	: ICM54RA
Sample Number	: 0.5NG	Study	: ICAL
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 16:48:11	Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14b42039.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42039.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42039.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42039.rst
Calib Method : h:\turbo6\5890-14\nb54(12-8-04).mth from H:\TURBO6\5890-14\14b42039.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
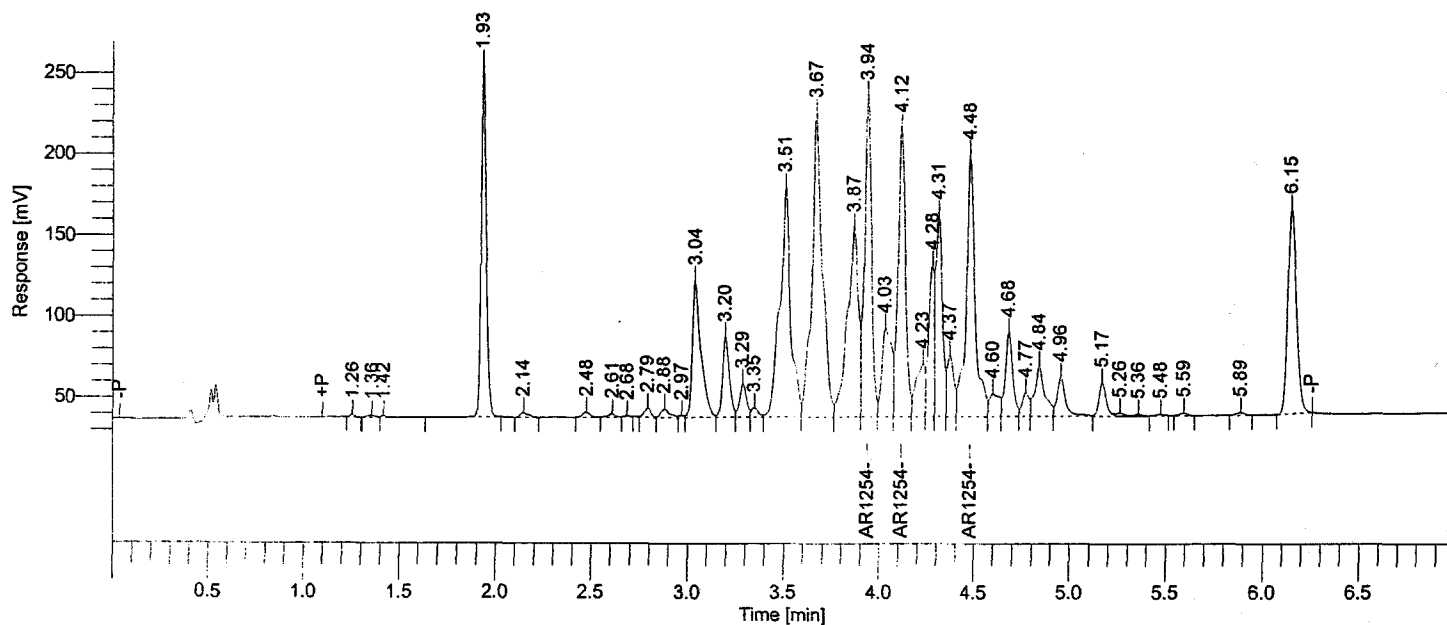
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
	3.94		1533832	AR1254	0.5000	0.1667	3
			1533832			0.1667	

Processed by: GFD 12\9\04

Reviewed by: BJ 12/10/04

12/09/2004 12:36:10 Result: H:\TURBO6\5890-14\14b42039.rst

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
19	3.94	VV	506900	AR1254-A	0.5000	0.1667	3
21	4.12	VV	480028	AR1254-B	0.5000	0.1667	3
26	4.48	VV	546904	AR1254-C	0.5000	0.1667	3
			1533832			0.5000	

Software Version	: 6.2.1.0.104:0104	Date	: 12/09/2004 12:36:13
Reprocess Number	: buf2042: 38576		
Operator	: tchrom	Sample Name	: ACM54DA
Sample Number	: 0.6NG	Study	: ACM
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 8000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/08/2004 17:00:33	Cycle	: 2

(handwritten: 0.6 ng)

Raw Data File : H:\TURBO6\5890-14\14b42040.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42040.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42040.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42040.rst
Calib Method : h:\turbo6\5890-14\nb54(12-8-04).mth from H:\TURBO6\5890-14\14b42040.rst
Report Format File: h:\turbo6\default\acm-%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
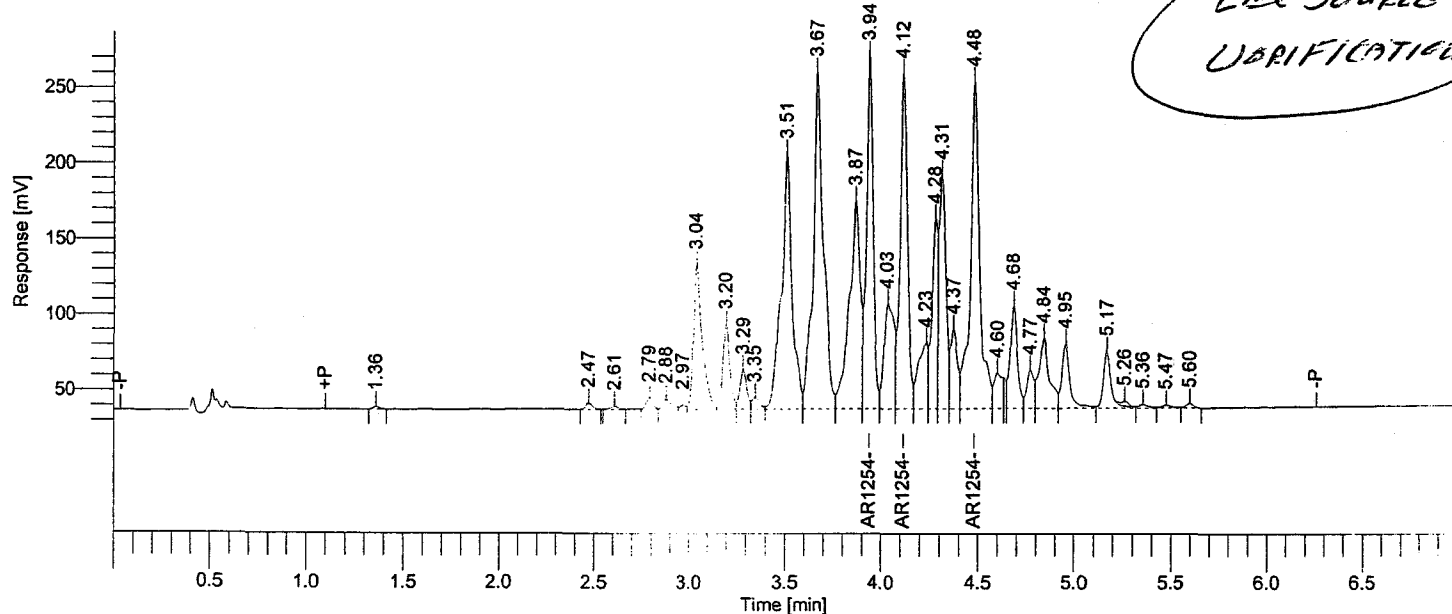
(handwritten: 2nd source verification)

2nd Source Check

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.94		1925553	AR1254	0.6277	3.0677e+06	3.8511e+06	4.6
		1925553		0.6277		3.8511e+06	

(handwritten: 12/9/04)

12/09/2004 12:36:13 Result: H:\TURBO6\5890-14\14b42040.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D
3.94	VV	595628	AR1254-A	0.5875	1.0138e+06	1.1913e+06	-2.1
4.12	VV	597177	AR1254-B	0.6220	9.6006e+05	1.1944e+06	3.7
4.48	VV	732748	AR1254-C	0.6699	1.0938e+06	1.4655e+06	11.7
		1925553		1.8794		3.8511e+06	

GC INJECTION LOG BOOK 000008

INSTRUMENT ID	HP5890-14
COLUMN ID'S A	20-35 B	ID-3
SOLVENT LOT #	
SYRINGE LOT #	
SEQUENCE	41/42

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
1/26/04 CW	—	Herion				159				A 104 ↑385 ↑252 B OK
	CCV	ICM66IF 0.5				156				A 1360 1387, TMX ↑242 B OK
12/1/04 CW	ICVIC	ICM36F 0.03								A Clean B Clean
	—	Primer							—	MAINT — CUT COL? 6-6100 RAPID 1HR.
	—									
	—									
	CCV	ICM66IF 0.5				155				
	CCV	ICM37 RA 0.5								
	CCV	ICM48 PA 0.5								
	CCV	ICM42 GA 0.5								
	CCV	ICM32 DA 0.5								
	CCV	ICM21 PA 0.5				200				
	UNK	ICM36F 0.03								
1/3/05 CW	—	Primer				01-30				New sequence 42
	ICAL	ICM71 PA 0.5				31				
	ACM	ACM21 NA 0.6								
	ICAL	ICM37 DA 0.5								
	ACM	ACM32 YA 0.6								
	ICAL	ICM42 GA 0.5				35				
	ACM	ACM42 LA 0.6								
	ICAL	ICM48 PA 0.5								
	ACM	ACM48 SA 0.6								
	ICAL	ICM54 RA 0.5								
	ACM	ACM54 DA 0.4				40				
	ICAL	ICM64 SB 2.5								
		IC 10								
		ID 0.5				43				

REVIEWED BY

GC INJECTION LOG BOOK

INSTRUMENT ID __HP5890-14__   COLUMN ID'S A __ZB-35__ B __ZB-5__   SEQUENCE __42__

SYRINGE LOT # _____   SOLVENT LOT # _____

DATE & INIT.	JOB #	VIAL ID (A)	DF	VIAL ID (B)	DF	FILE ID A	FILE ID B	GC METHOD	PROCESS Y/N	COMMENTS
14/8/04 BAH	ICAL	ICM66 JG	0.5			44				
		JG	0.1			45				
		JG	0.25							
		JG	0.25							
14/8/04	ACM	ACM66 ACM	0.5							
	—	PRIMER							—	
	—	—				50			—	
	—	—							—	
	CCV	ICM665D	6.5							A OK B OK
	CCV	ICMSYRA	6.5							A OK B OK
	JBLK	ICM36F	6.3							A CLSTM B CLSTM
	GC	A5400 14740	MDB			35				RETRAPS
		14741	MDBO							
		14742	MBLK							
	B909	A5400 14746	1.00							
		14744	x.4			60				
	—	14745								
	—	HEFANE								
	B909	A5400 14746								
	—	HEFANE								
	B909	A5400 14747				65				
	CCV	ICM665D	6.5							A OK B OK
	JBLK	ICM36F	6.3							A CLSTM B CLSTM
	B909	A5400 14748								
	—	HEFANE								
	B909	A5400 14749				70				
		14750	x.2							

REVIEWED BY _____

SEVERN TRENT LABORATORIES, INC. - BUFFALO

Software Version	: 6.2.1.0.104:0104	
Reprocess Number	: buf2042: 38970	
Operator	: tchrom	
Sample Number	: 0.5NG	
AutoSampler	: HP 7673A	
Instrument Name	: 5890-14	
Interface Serial #	: 9205571207	
Delay Time	: 0.00 min	
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	
Sample Amount	: 1.0000	
Data Acquisition Time	: 12/11/2004 23:19:58	

Date	: 12/13/2004 09:30:17
Sample Name	: ICM54RA
Study	: CCV
Rack/Vial	: 0/0
Channel	: A
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 8000.000000
Dilution Factor	: 1.00
Cycle	: 50

Raw Data File : H:\TURBO6\5890-14\14a42224.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42224.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42224.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42224.rst
Calib Method : h:\turbo6\5890-14\na54(12-8-04).mth from H:\TURBO6\5890-14\14a42224.rst
Report Format File: h:\turbo6\5890-14\n%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
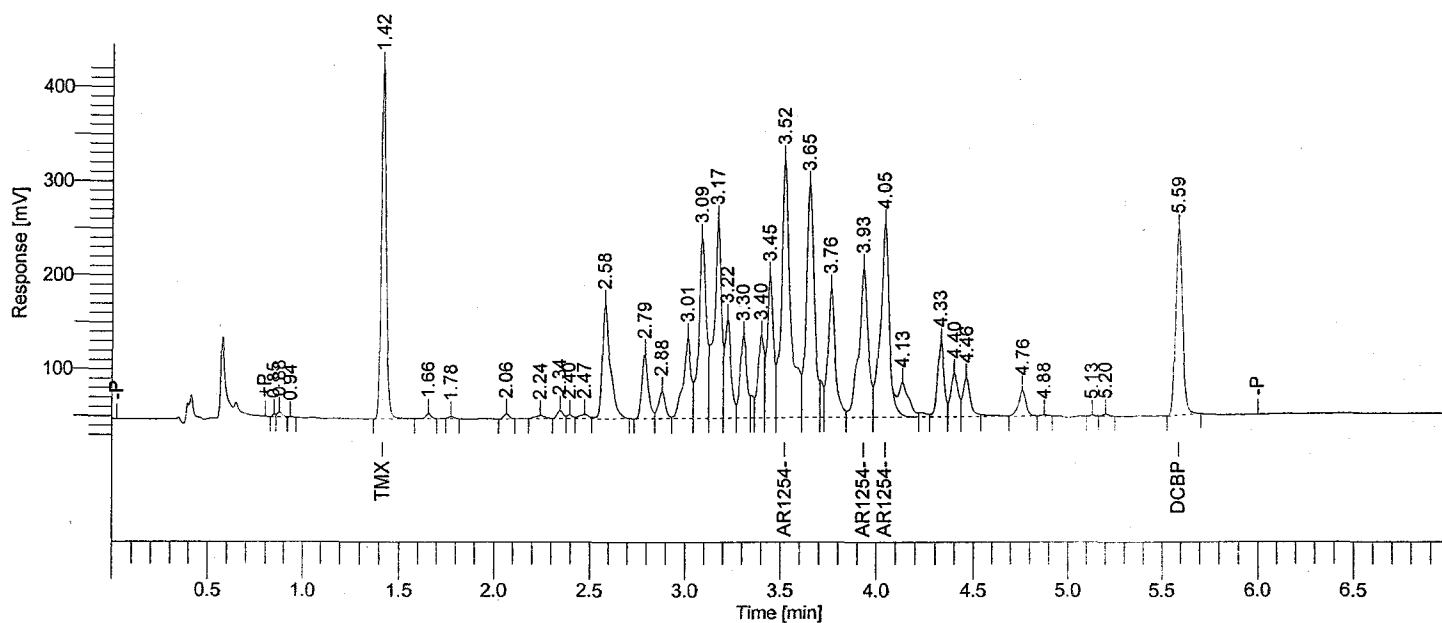
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window
1.42	BV	635911	TMX	0.0319	1.9942e+07	1.2718e+06	6.3	1.35 - 1.49
3.52		2130467	AR1254	0.5485	3.8845e+06	4.2609e+06	9.7	3.45 - 3.59
5.59	BB	505866	DCBP	0.0318	1.5913e+07	1.0117e+06	6.0	5.52 - 5.66
		3272243		0.6121		6.5445e+06		

12/13/04

12/13/2004 09:30:17 Result: H:\TURBO6\5890-14\14a42224.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window	
3.52	VV	917776	AR1254-A	0.5471	1.6776e+06	1.8356e+06	9.4	3.45 -	3.59
3.93	VV	552544	AR1254-B	0.5430	1.0176e+06	1.1051e+06	8.6	3.86 -	4.00
4.05	VE	660146	AR1254-C	0.5551	1.1893e+06	1.3203e+06	11.0	3.98 -	4.12
		2130467		1.6451		4.2609e+06			

Software Version	: 6.2.1.0.104:0104	
Reprocess Number	: buf2042: 38971	
Operator	: tchrom	
Sample Number	: 0.5NG	
AutoSampler	: HP 7673A	
Instrument Name	: 5890-14	
Interface Serial #	: 9205571207	
Delay Time	: 0.00 min	
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	
Sample Amount	: 1.0000	
Data Acquisition Time	: 12/11/2004 23:19:58	

Date	: 12/13/2004 09:30:20
Sample Name	: ICM54RA
Study	: CCV
Rack/Vial	: 0/0
Channel	: B
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 8000.000000
Dilution Factor	: 1.00
Cycle	: 50

Raw Data File : H:\TURBO6\5890-14\14b42224.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42224.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42224.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42224.rst
Calib Method : h:\turbo6\5890-14\nb54(12-8-04).mth from H:\TURBO6\5890-14\14b42224.rst
Report Format File: h:\turbo6\5890-14\n%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
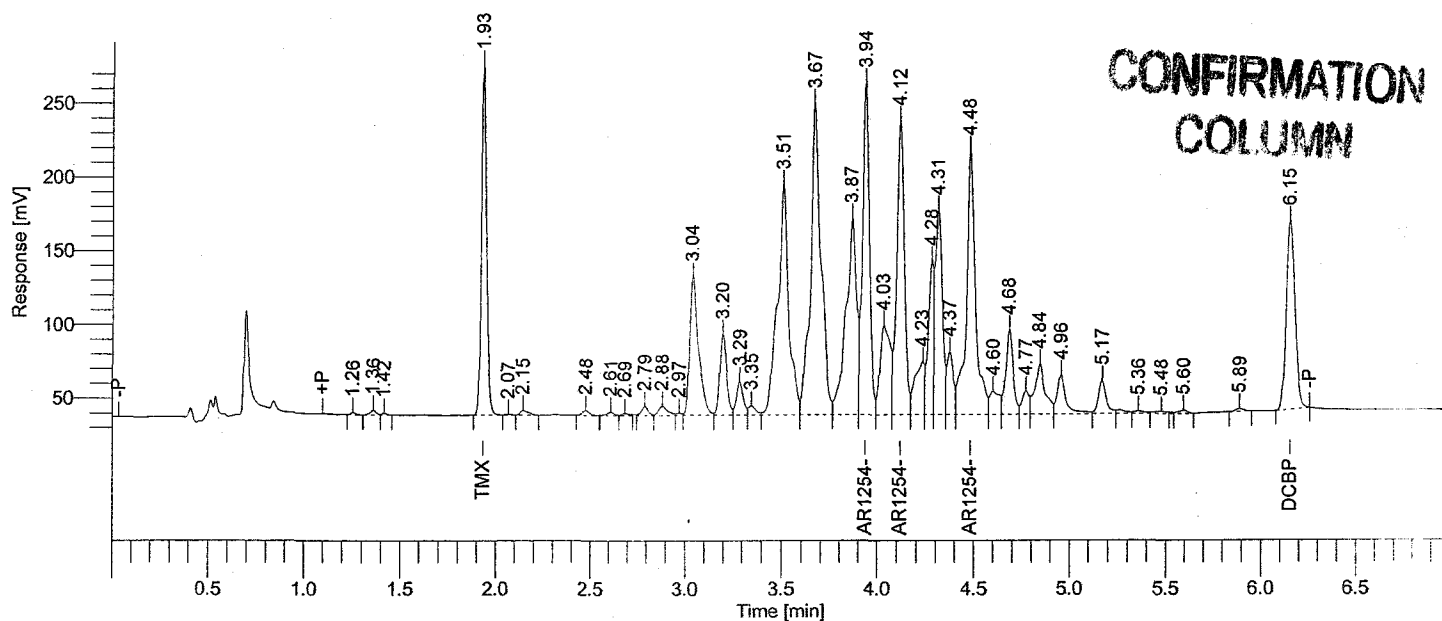
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window
1.93	BV	442749	TMX	0.0298	1.4838e+07	8.8550e+05	-0.5	1.86 - 2.00
3.94		1712972	AR1254	0.5584	3.0677e+06	3.4259e+06	11.7	3.87 - 4.01
6.15	*BB	407054	DCBP	0.0296	1.3744e+07	8.1411e+05	-1.3	6.08 - 6.22
		2562776		0.6179		5.1256e+06		

12/13/2004 09:30:20 Result: H:\TURBO6\5890-14\14b42224.rst

Group Report For : AR1254

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window	
3.94	VV	572958	AR1254-A	0.5652	1.0138e+06	1.1459e+06	13.0	3.87 -	4.01
4.12	VV	536243	AR1254-B	0.5586	9.6006e+05	1.0725e+06	11.7	4.05 -	4.19
4.48	VV	603770	AR1254-C	0.5520	1.0938e+06	1.2075e+06	10.4	4.41 -	4.55
		1712972		1.6757		3.4259e+06			

Software Version	: 6.2.1.0.104:0104	Date	: 12/13/2004 09:30:23
Reprocess Number	: buf2042: 38972		
Operator	: tchrom	Sample Name	: ICM3GF
Sample Number	: 0.03NG	Study	: IBLK
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/11/2004 23:32:23	Cycle	: 51

Raw Data File : H:\TURBO6\5890-14\14a42225.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42225.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42225.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42225.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42225.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
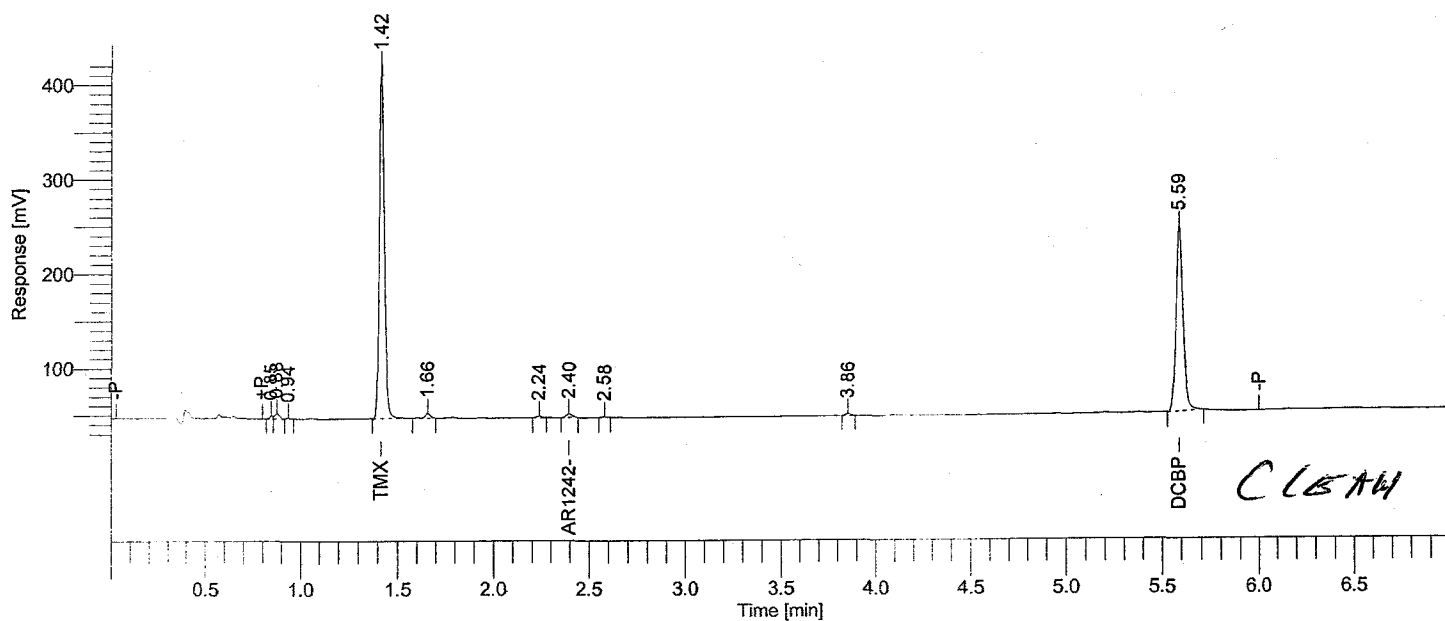
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.42	BV	637160	TMX	0.0320	------	0
	2.40		8326	AR1242	0.0043	0.0014	3
10	5.59	BB	504026	DCBP	0.0317	------	0
			1149512			0.0014	

Software Version	: 6.2.1.0.104:0104	Date	: 12/13/2004 09:30:26
Reprocess Number	: buf2042: 38973		
Operator	: tchrom	Sample Name	: ICM3GF
Sample Number	: 0.03NG	Study	: IBLK
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/11/2004 23:32:23	Cycle	: 51

Raw Data File : H:\TURBO6\5890-14\14b42225.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42225.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42225.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42225.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42225.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
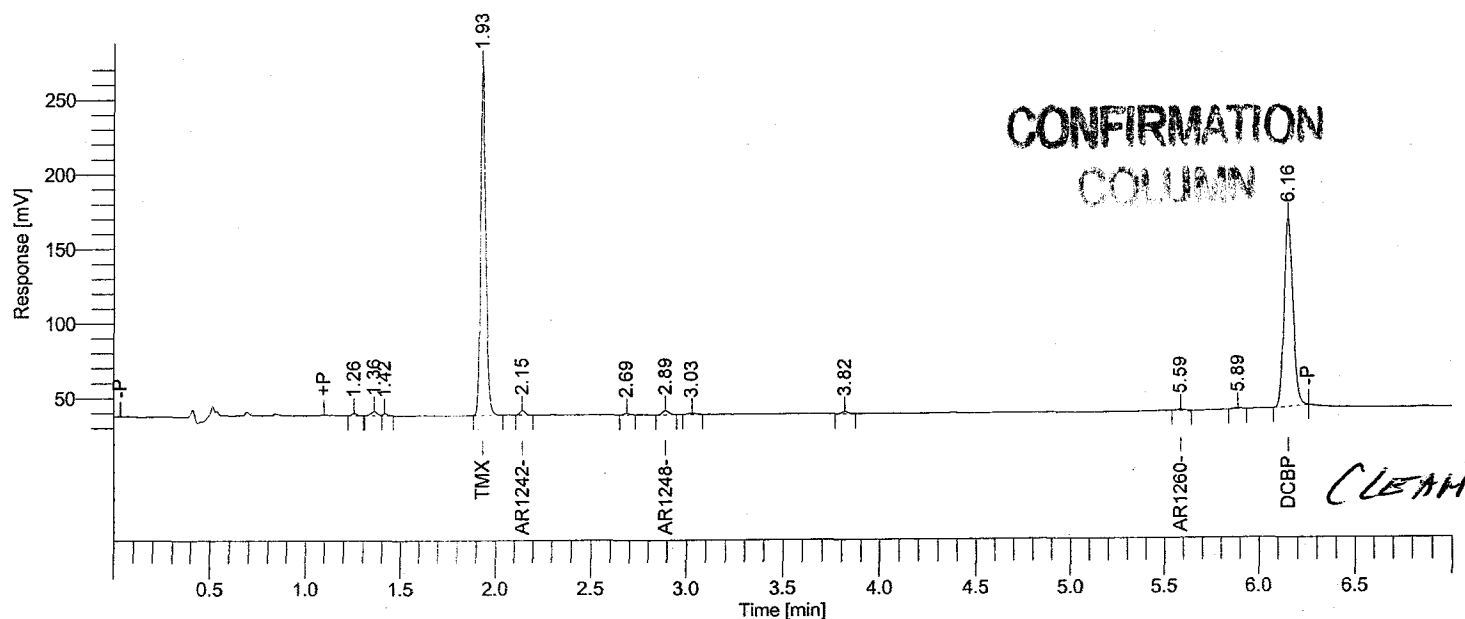
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.93	BV	440330	TMX	0.0297	-------	0
	2.15		6483	AR1242	0.0042	0.0014	3
	2.89		6638	AR1248	0.0044	0.0015	3
12	6.16	*BB	404755	DCBP	0.0294	-------	0
			858205			0.0029	

Software Version	: 6.2.1.0.104:0104	
Reprocess Number	: buf2042: 38994	
Operator	: tchrom	
Sample Number	: 0.5NG	
AutoSampler	: HP 7673A	
Instrument Name	: 5890-14	
Interface Serial #	: 9205571207	
Delay Time	: 0.00 min	
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	
Sample Amount	: 1.0000	
Data Acquisition Time	: 12/12/2004 01:48:46	

Date	: 12/13/2004 09:31:14
Sample Name	: ICM66JD
Study	: CCV
Rack/Vial	: 0/0
Channel	: A
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 8000.000000
Dilution Factor	: 1.00
Cycle	: 62

Raw Data File : H:\TURBO6\5890-14\14a42236.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42236.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42236.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42236.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42236.rst
Report Format File: h:\turbo6\5890-14\n%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
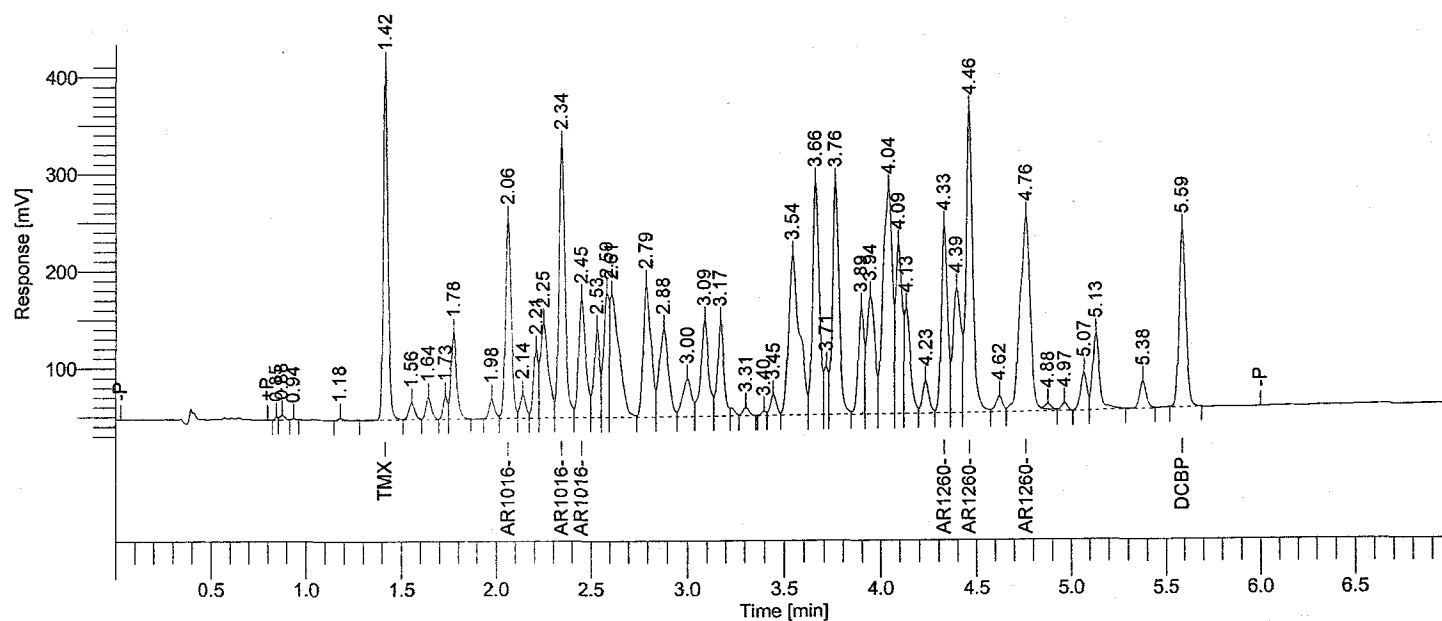
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window
1.42	VV	615648	TMX	0.0308	2.0020e+07	1.2313e+06	2.5	1.35 - 1.49
2.34		1391589	AR1016	0.5244	2.6536e+06	2.7832e+06	4.9	2.27 - 2.41
4.46		1981277	AR1260	0.5102	3.8836e+06	3.9626e+06	2.0	4.39 - 4.53
5.59	VB	462009	DCBP	0.0287	1.6114e+07	9.2402e+05	-4.4	5.52 - 5.66
		4450523		1.0940		8.9010e+06		

12/13/04

12/13/2004 09:31:14 Result: H:\TURBO6\5890-14\14a42236.rst

Group Report For : AR1016

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window	
2.06	VV	431792	AR1016-A	0.5171	8.3504e+05	8.6358e+05	3.4	1.99 -	2.13
2.34	VV	639015	AR1016-B	0.5337	1.1974e+06	1.2780e+06	6.7	2.27 -	2.41
2.45	VV	320783	AR1016-C	0.5165	6.2104e+05	6.4157e+05	3.3	2.38 -	2.52
		1391589		1.5673		2.7832e+06			

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window	
4.33	VV	436562	AR1260-A	0.5065	8.6195e+05	8.7312e+05	1.3	4.26 -	4.40
4.46	VV	789864	AR1260-B	0.5127	1.5405e+06	1.5797e+06	2.5	4.39 -	4.53
4.76	VE	754850	AR1260-C	0.5097	1.4811e+06	1.5097e+06	1.9	4.69 -	4.83
		1981277		1.5289		3.9626e+06			

Software Version	: 6.2.1.0.104:0104
Reprocess Number	: buf2042: 38995
Operator	: tchrom
Sample Number	: 0.5NG
AutoSampler	: HP 7673A
Instrument Name	: 5890-14
Interface Serial #	: 9205571207
Delay Time	: 0.00 min
Sampling Rate	: 16.6660 pts/s
Sample Volume	: 1.000000 uL
Sample Amount	: 1.0000
Data Acquisition Time	: 12/12/2004 01:48:46

Date	: 12/13/2004 09:31:16
Sample Name	: ICM66JD
Study	: CCV
Rack/Vial	: 0/0
Channel	: B
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 8000.000000
Dilution Factor	: 1.00
Cycle	: 62

Raw Data File : H:\TURBO6\5890-14\14b42236.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42236.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42236.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42236.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42236.rst
Report Format File: h:\turbo6\5890-14\n%d.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
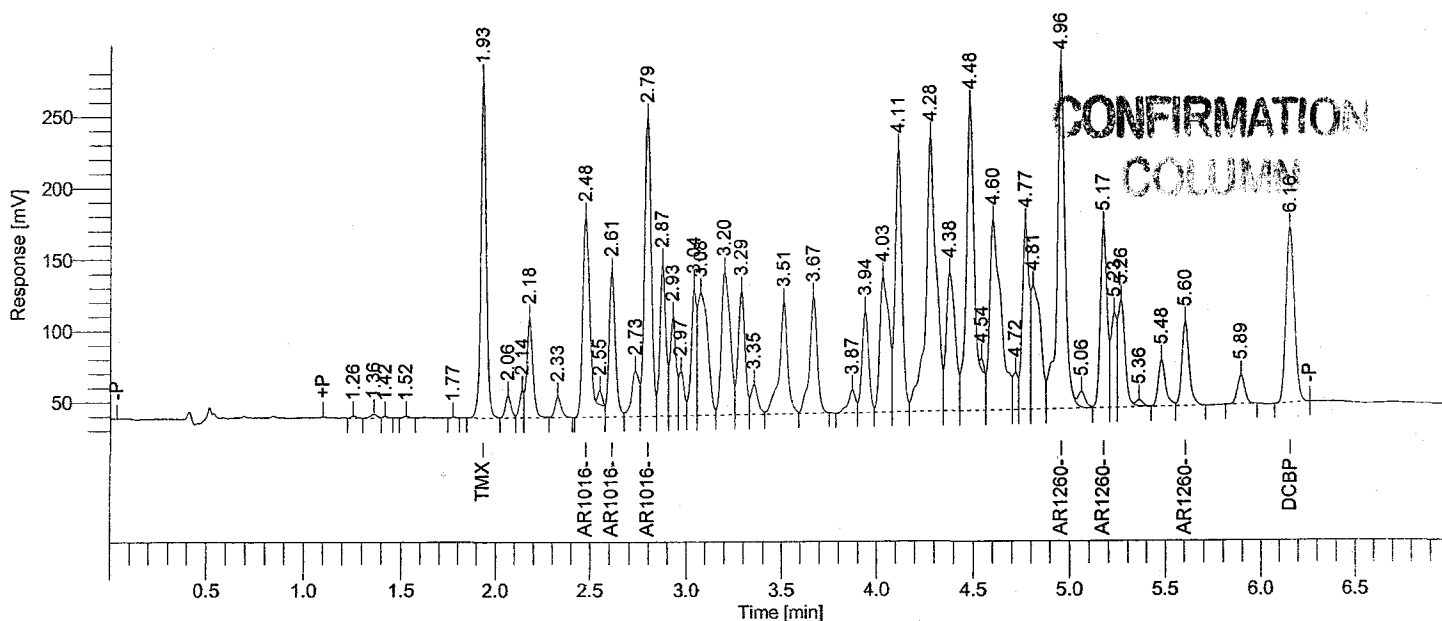
Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window
1.93	BV	465082	TMX	0.0313	1.4850e+07	9.3016e+05	4.4	1.86 - 2.00
2.79		1131452	AR1016	0.5425	2.0856e+06	2.2629e+06	8.5	2.72 - 2.86
4.96		1151522	AR1260	0.4850	2.3743e+06	2.3030e+06	-3.0	4.89 - 5.03
6.16	*BB	384074	DCBP	0.0277	1.3852e+07	7.6815e+05	-7.6	6.09 - 6.23
		3132131		1.0865		6.2643e+06		

12/13/04

12/13/2004 09:31:16 Result: H:\TURBO6\5890-14\14b42236.rst

Group Report For : AR1016

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window	
2.48	BE	394512	AR1016-A	0.5352	7.3717e+05	7.8902e+05	7.0	2.41 -	2.55
2.61	VV	227276	AR1016-B	0.5285	4.3005e+05	4.5455e+05	5.7	2.54 -	2.68
2.79	VV	509664	AR1016-C	0.5549	9.1843e+05	1.0193e+06	11.0	2.72 -	2.86
		1131452		1.6186		2.2629e+06			

Group Report For : AR1260

Ret Time [min]	BL	Area [uV-sec]	Component Name	CONCENTRATION NG	Initial Cal Factor	Continuing Cal Factor	%D	Relative - RT Window	
4.96	VE	688117	AR1260-A	0.4893	1.4064e+06	1.3762e+06	-2.1	4.89 -	5.03
5.17	VV	310471	AR1260-B	0.4893	6.3448e+05	6.2094e+05	-2.1	5.10 -	5.24
5.60	VB	152934	AR1260-C	0.4592	3.3304e+05	3.0587e+05	-8.2	5.53 -	5.67
		1151522		1.4378		2.3030e+06			

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:31:17
Reprocess Number	: buf2042: 38996			
Operator	: tchrom		Sample Name	: ICM3GF
Sample Number	: 0.03NG		Study	: IBLK
AutoSampler	: HP 7673A		Rack/Vial	: 0/0
Instrument Name	: 5890-14		Channel	: A
Interface Serial #	: 9205571207		A/D mV Range	: 1000
Delay Time	: 0.00 min		End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s			
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000
Sample Amount	: 1.0000		Dilution Factor	: 1.00
Data Acquisition Time	: 12/12/2004 02:01:11		Cycle	: 63

Raw Data File : H:\TURBO6\5890-14\14a42237.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42237.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42237.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42237.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42237.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
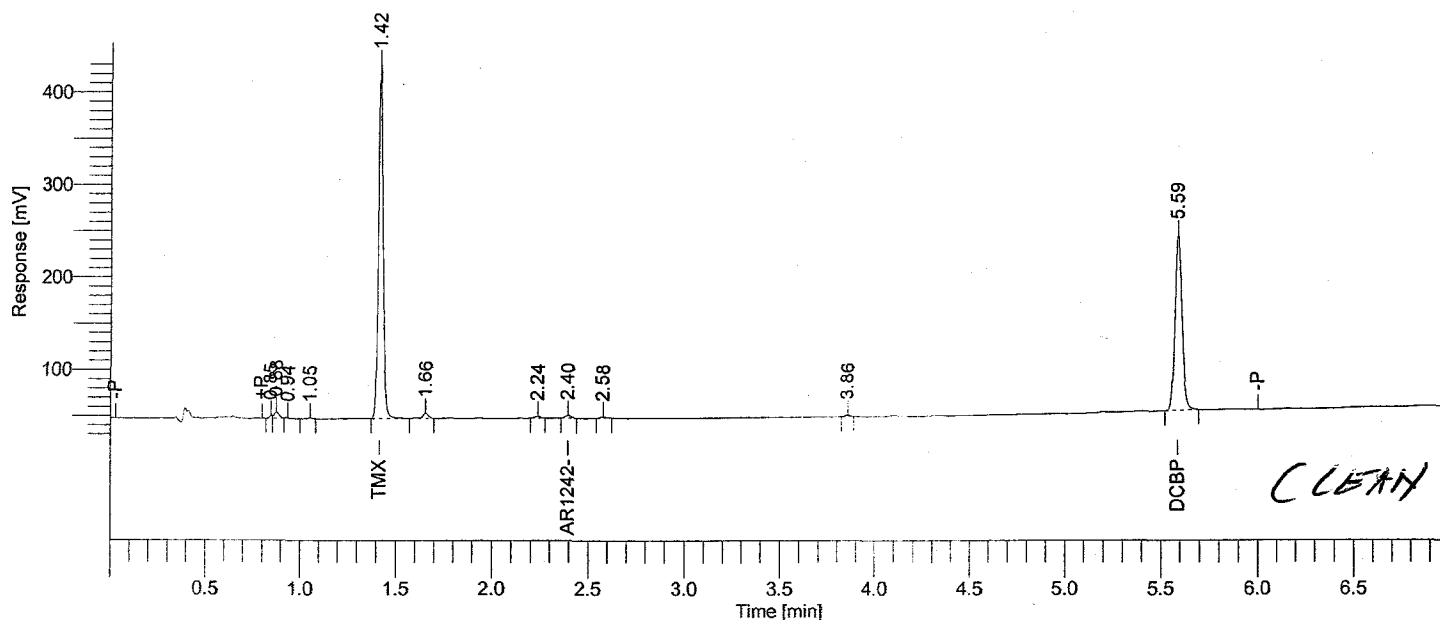
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.42	BV	648394	TMX	0.0326	-------	0
	2.40		6350	AR1242	0.0033	0.0011	3
11	5.59	BB	479100	DCBP	0.0299	-------	0
			1133844			0.0011	

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:31:19	
Reprocess Number	: buf2042: 38997				
Operator	: tchrom		Sample Name	: ICM3GF	
Sample Number	: 0.03NG		Study	: IBLK	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: B	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 1.00	
Data Acquisition Time	: 12/12/2004 02:01:11		Cycle	: 63	

Raw Data File : H:\TURBO6\5890-14\14b42237.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42237.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42237.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42237.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42237.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq

CONFIRMATION COLUMN

CLEAN
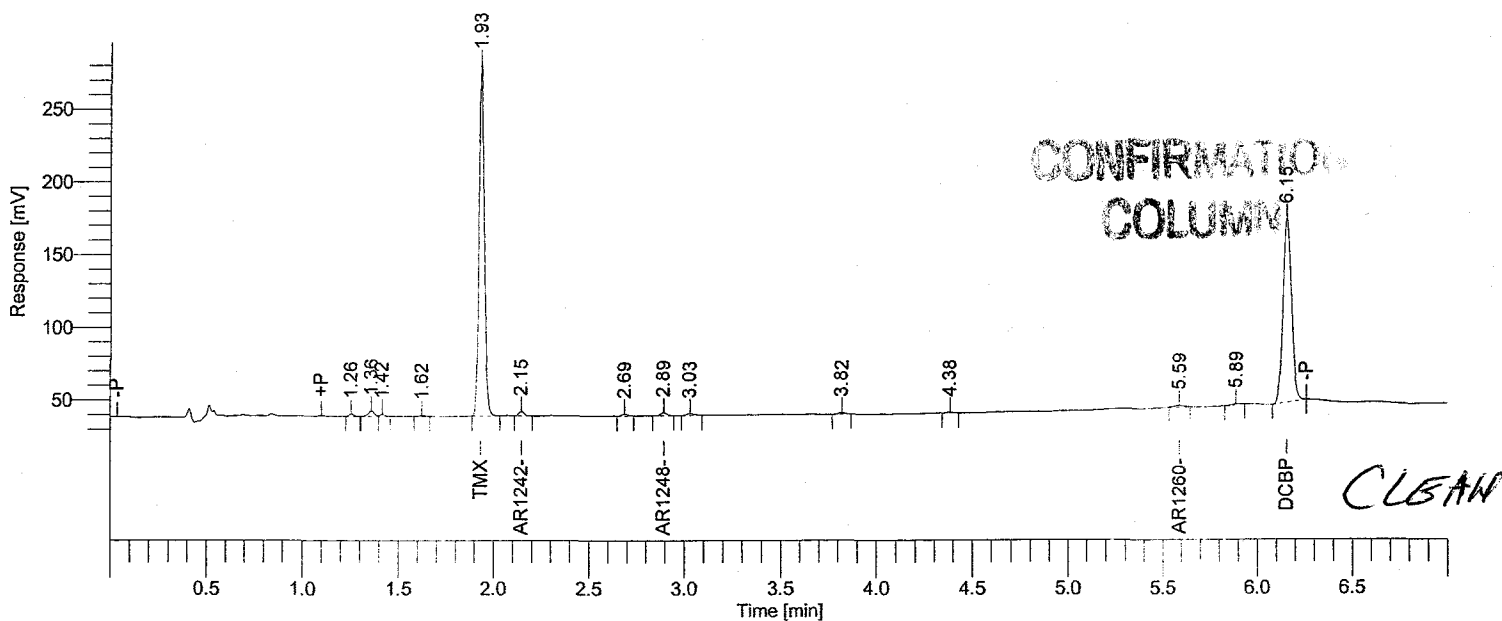
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.93	BV	451193	TMX	0.0304	-------	0
	2.15		6662	AR1242	0.0043	0.0014	3
	2.89		5125	AR1248	0.0034	0.0011	3
	5.59		3343	AR1260	-9e-03	-3e-03	3
14	6.15	*BB	395783	DCBP	0.0287	-------	0
			862107			-5e-04	

12/13/04

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: <u>STL Buffalo</u>   Contract: <u>C004154</u>

Lab Code: <u>RECNY</u>   Case No.: <u>SH904</u>   SAS No.: _____   SDG No.: <u>1208</u>

Matrix: (soil/water) <u>SOIL</u>   Lab Sample ID: <u>A4B2063802</u>

Sample wt/vol: <u>30.08</u> (g/mL) <u>G</u>   Lab File ID: <u>14A42227.TX0</u>

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

Extraction: (SepF/Cont/Sonc/Soxh): <u>SONC</u>   Date Extracted: <u>12/09/2004</u>

Concentrated Extract Volume: <u>10000</u>(uL)   Date Analyzed: <u>12/11/2004</u>

Injection Volume: ____<u>1.00</u>(uL)   Dilution Factor: ____<u>1.00</u>

GPC Cleanup: (Y/N) <u>N</u> pH: _   Sulfur Cleanup: (Y/N) <u>N</u>

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) <u>UG/KG</u>	Q
12674-11-2----PCB-1016		80	U
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		80	U

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104	Date	: 12/13/2004 09:30:34
Reprocess Number	: buf2042: 38976		
Operator	: tchrom	Sample Name	: AS40014805-MBLK
Sample Number	: A4B2063802	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 1.00
Data Acquisition Time	: 12/11/2004 23:57:06	Cycle	: 53

Raw Data File : H:\TURBO6\5890-14\14a42227.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42227.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42227.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42227.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42227.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
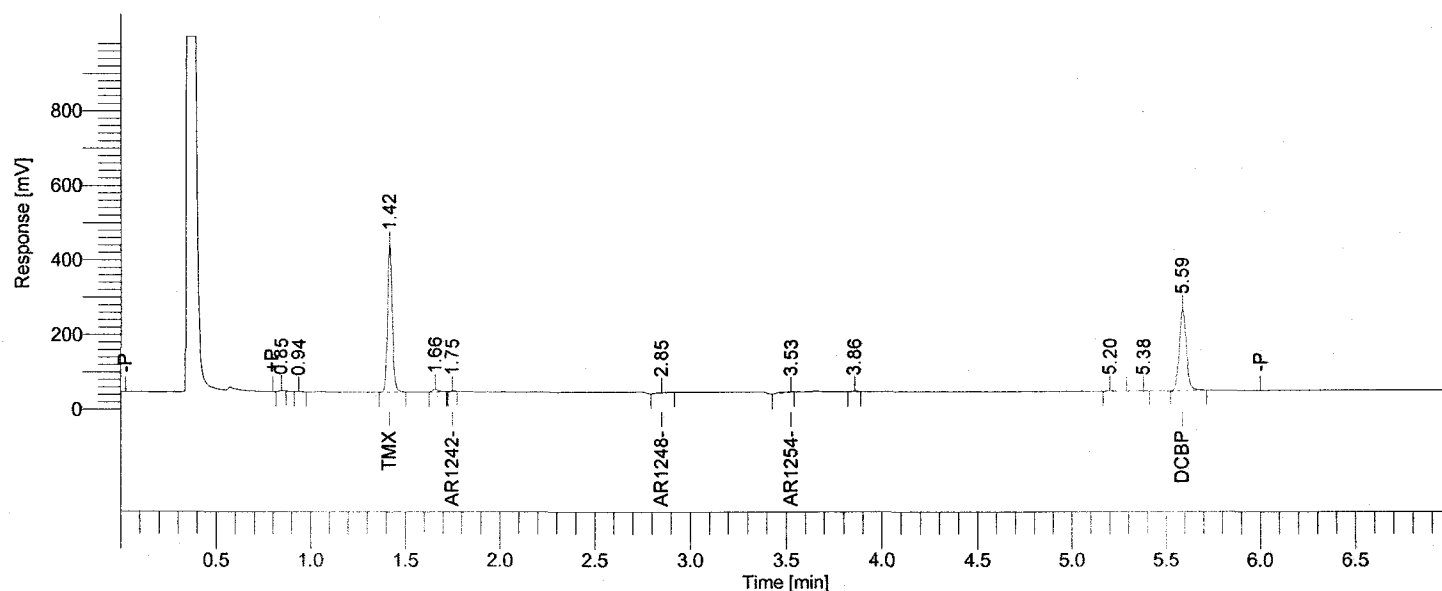
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
3	1.42	BB	662086	TMX	0.0334	-------	0
	2.85		8430	AR1248	0.0037	0.0012	3
	3.53		9853	AR1254	0.0025	8.5e-04	3
11	5.59	BB	553176	DCBP	0.0352	-------	0
			1233546			0.0021	

12/13/2004 09:30:34 Result: H:\TURBO6\5890-14\14a42227.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.75	BB	1807	AR1242-A	0.0059	0.0020	3
-	2.06		0	AR1242-B	0.0000	-------	-
-	2.35		0	AR1242-C	0.0000	-------	-
			1807			0.0020	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
-	2.79		0	AR1248-A	0.0000	-------	-
6	2.85	BB	8430	AR1248-B	0.0113	0.0038	3
-	3.23		0	AR1248-C	0.0000	-------	-
			8430			0.0038	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	3.53	BB	9853	AR1254-A	0.0059	0.0020	3
-	3.93		0	AR1254-B	0.0000	-------	-
-	4.05		0	AR1254-C	0.0000	-------	-
			9853			0.0020	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
-	4.33		0	AR1260-A	0.0000	-------	-
-	4.46		0	AR1260-B	0.0000	-------	-
-	4.76		0	AR1260-C	0.0000	-------	-
			0			0.0000	

Software Version	: 6.2.1.0.104:0104	Date : 12/13/2004 09:30:37
Reprocess Number	: buf2042: 38977	
Operator	: tchrom	Sample Name : AS40014805-MBLK
Sample Number	: A4B2063802	Study : CTA12950
AutoSampler	: HP 7673A	Rack/Vial : 0/0
Instrument Name	: 5890-14	Channel : B
Interface Serial #	: 9205571207	A/D mV Range : 1000
Delay Time	: 0.00 min	End Time : 7.00 min
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	Area Reject : 3000.000000
Sample Amount	: 1.0000	Dilution Factor : 1.00
Data Acquisition Time	: 12/11/2004 23:57:06	Cycle : 53

Raw Data File : H:\TURBO6\5890-14\14b42227.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42227.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42227.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42227.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42227.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
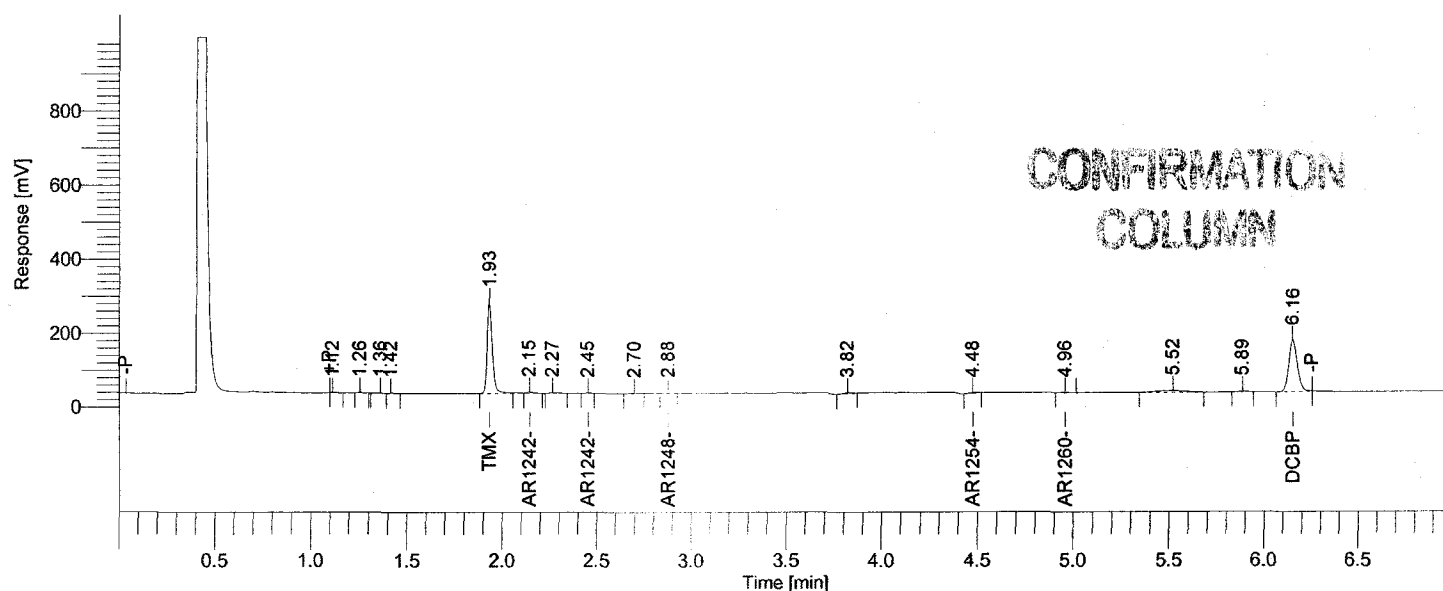
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.93	BV	467770	TMX	0.0315	-------	0
	2.15		8814	AR1242	0.0057	0.0019	3
	4.48		6240	AR1254	0.0020	6.8e-04	3
16	6.16	*BB	442291	DCBP	0.0326	-------	0
			925116			0.0026	

12/13/2004 09:30:37 Result: H:\TURBO6\5890-14\14b42227.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	2.15	VB	7849	AR1242-A	0.0328	0.0109	3
8	2.45	BB	965	AR1242-B	0.0016	5.5e-04	3
-	2.79		0	AR1242-C	0.0000	-------	-
			8814			0.0115	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	2.88	BB	1939	AR1248-A	0.0081	0.0027	3
-	3.20		0	AR1248-B	0.0000	-------	-
-	3.29		0	AR1248-C	0.0000	-------	-
			1939			0.0027	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
-	3.94		0	AR1254-A	0.0000	-------	-
-	4.12		0	AR1254-B	0.0000	-------	-
12	4.48	BB	6240	AR1254-C	0.0057	0.0019	3
			6240			0.0019	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
13	4.96	BV	1712	AR1260-A	-1e-02	-3e-03	3
-	5.17		0	AR1260-B	0.0000	-------	-
-	5.60		0	AR1260-C	0.0000	-------	-
			1712			-3e-03	

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.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4B2063801

Sample wt/vol: 30.08 (g/mL) G   Lab File ID: 14A42226.TX0

% Moisture: 0.0   decanted: (Y/N) N   Date Samp/Recv: _____ _____

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/11/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 1.00

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

CONCENTRATION UNITS:

CAS NO. COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2----PCB-1016	160	
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	170	

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104			Date	: 12/13/2004 09:30:29		
Reprocess Number	: buf2042: 38974						
Operator	: tchrom			Sample Name	: AS40014804-MSB		
Sample Number	: A4B2063801			Study	: CTA12950		
AutoSampler	: HP 7673A			Rack/Vial	: 0/0		
Instrument Name	: 5890-14			Channel	: A		
Interface Serial #	: 9205571207			A/D mV Range	: 1000		
Delay Time	: 0.00 min			End Time	: 7.00 min		
Sampling Rate	: 16.6660 pts/s						
Sample Volume	: 1.000000 uL			Area Reject	: 3000.000000		
Sample Amount	: 1.0000			Dilution Factor	: 1.00		
Data Acquisition Time	: 12/11/2004 23:44:44			Cycle	: 52		

Raw Data File : H:\TURBO6\5890-14\14a42226.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42226.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42226.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42226.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42226.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
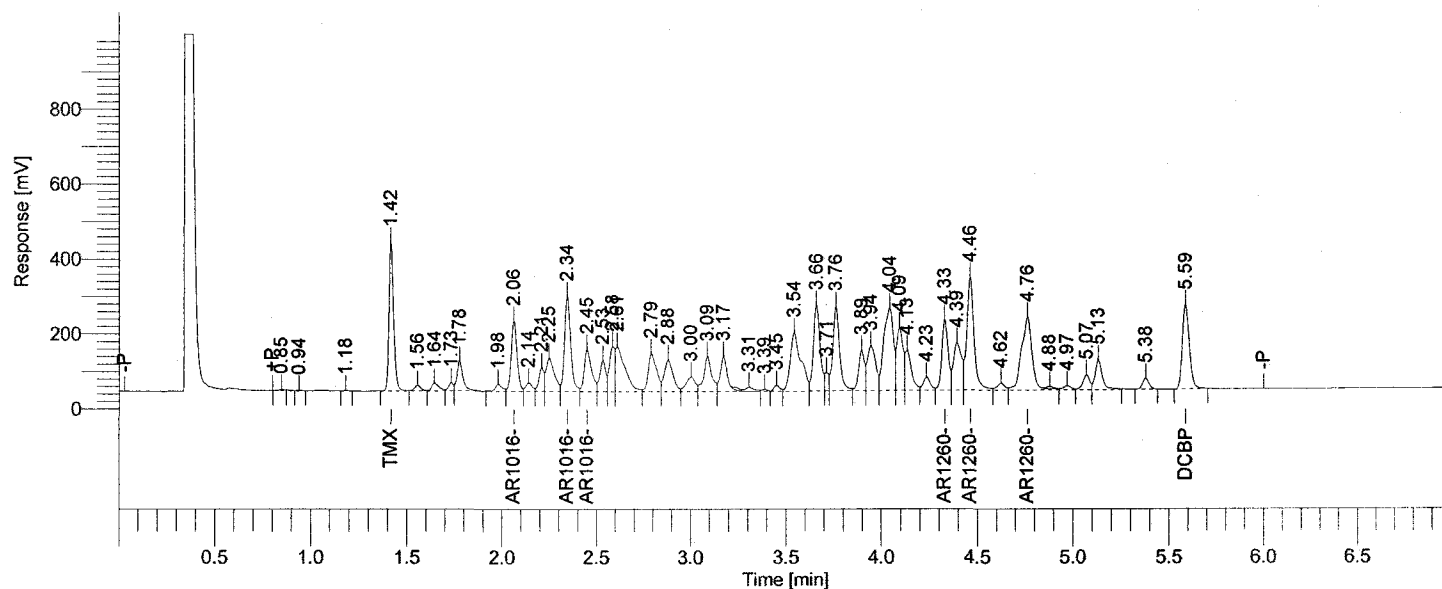
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
4	1.42	BV	672557	TMX	0.0340	-------	0
	2.34		1286050	AR1016	0.4808	0.1603	3
	4.46		1987639	AR1260	0.5149	0.1706	3
47	5.59	BB	569124	DCBP	0.0364	-------	0
			4515370			0.3309	

12/13/2004 09:30:29 Result: H:\TURBO6\5890-14\14a42226.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
10	2.06	VV	402417	AR1016-A	0.4780	0.1593	3
14	2.34	VV	580745	AR1016-B	0.4805	0.1602	3
15	2.45	VV	302888	AR1016-C	0.4854	0.1618	3
			1286050			0.4813	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
37	4.33	VV	434455	AR1260-A	0.5038	0.1679	3
39	4.46	VV	788693	AR1260-B	0.5119	0.1706	3
41	4.76	VE	764491	AR1260-C	0.5167	0.1722	3
			1987639			0.5108	

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:30:31	
Reprocess Number	: buf2042: 38975				
Operator	: tchrom		Sample Name	: AS40014804-MSB	
Sample Number	: A4B2063801		Study	: CTA12950	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: B	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 1.00	
Data Acquisition Time	: 12/11/2004 23:44:44		Cycle	: 52	

Raw Data File : H:\TURBO6\5890-14\14b42226.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42226.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42226.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42226.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42226.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
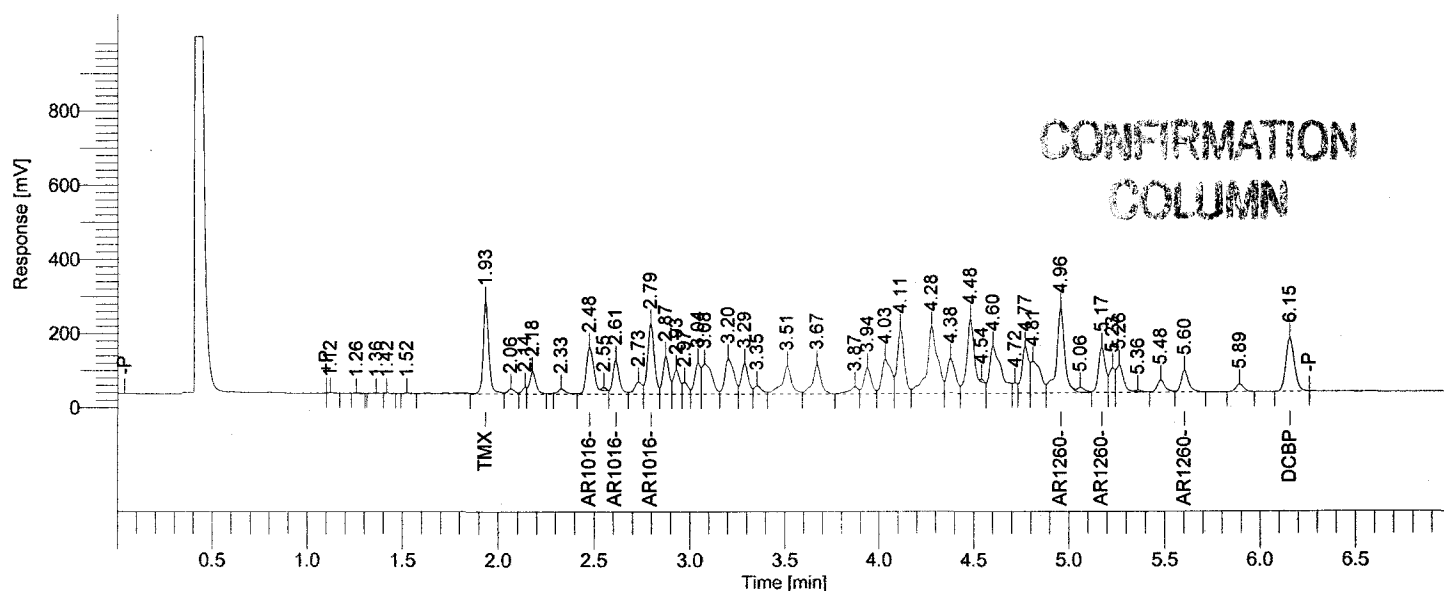
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.93	VV	502565	TMX	0.0338	-------	0
	2.79		1042689	AR1016	0.4960	0.1653	3
	4.96		1136504	AR1260	0.4782	0.1594	3
47	6.15	*BB	459066	DCBP	0.0340	-------	0
			3140824			0.3247	

12/13/2004 09:30:31 Result: H:\TURBO6\5890-14\14b42226.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	2.48	VE	361926	AR1016-A	0.4865	0.1622	3
13	2.61	VV	214243	AR1016-B	0.4954	0.1651	3
15	2.79	VV	466521	AR1016-C	0.5038	0.1679	3
			1042689			0.4953	

Group Report For : AR1260

Peak #	Ret Time [min]	Bl	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
38	4.96	VE	677124	AR1260-A	0.4809	0.1603	3
40	5.17	VV	304956	AR1260-B	0.4801	0.1600	3
45	5.60	VB	154424	AR1260-C	0.4639	0.1546	3
			1136504			0.4750	

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

Client No.

D088D

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23305MS

Sample wt/vol: 30.61 (g/mL) G   Lab File ID: 14A42233.TX0

% Moisture: 53.7   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: 1.00 (uL)   Dilution Factor: 2.00

GPC Cleanup: (Y/N) N pH: 6.63   Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:
(ug/L or ug/Kg) UG/KG

CAS NO.	COMPOUND		Q
12674-11-2----PCB-1016		580	
11104-28-2----PCB-1221		340	U
11141-16-5----PCB-1232		340	U
53469-21-9----PCB-1242		340	U
12672-29-6----PCB-1248		770	
11097-69-1----PCB-1254		520	
11096-82-5----PCB-1260		360	

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104	Date	: 12/14/2004 14:37:50
Reprocess Number	: buf2046: 17174		
Operator	: tchrom	Sample Name	: AS40014811-MS
Sample Number	: A4C23305MS	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: A
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	: 2.00
Data Acquisition Time	: 12/12/2004 01:11:28	Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14a42233.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42233-20041214-143749.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42233.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42233-20041214-143749.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42233-20041214-143749.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
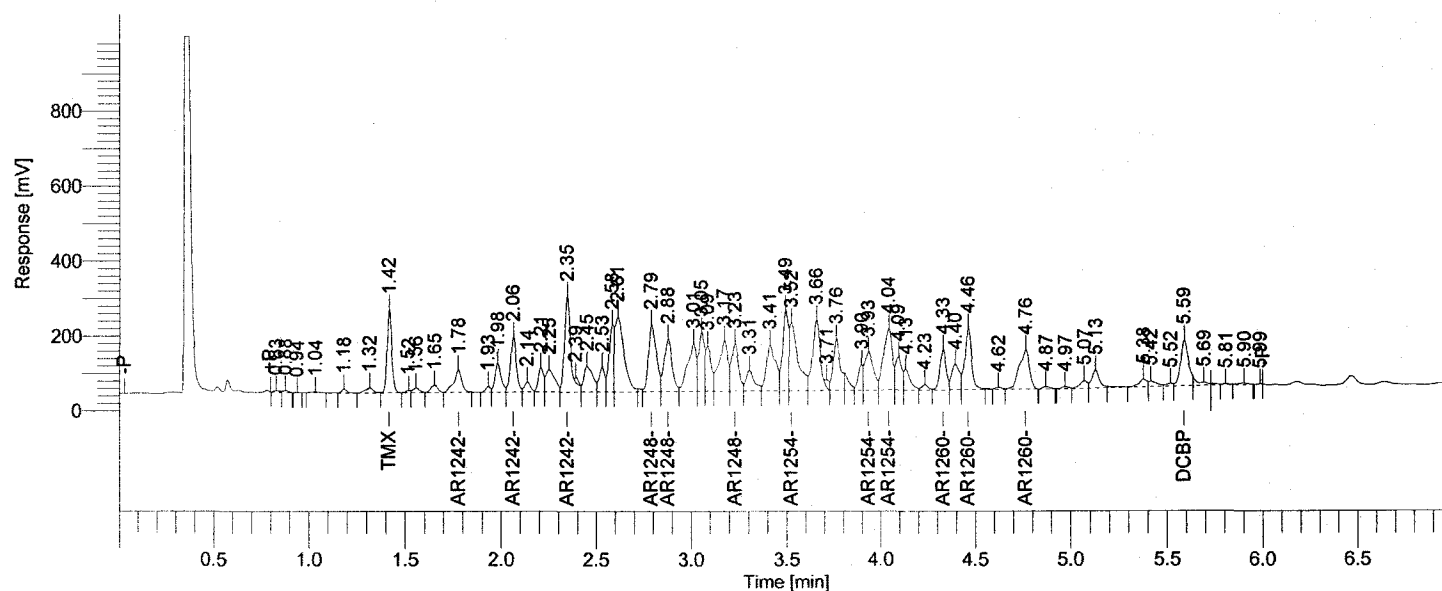
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.42	VV	373802	TMX	0.0177	-------	0
	2.35		1090533	AR1242	0.5672	0.1891	3
	2.79		1267168	AR1248	0.5505	0.1835	3
	3.52		1438385	AR1254	0.3703	0.1234	3
	4.46		1055116	AR1260	0.2569	0.0856	3
56	5.59	VV	379904	DCBP	0.0230	-------	0
			5604908			0.5816	

12/14/2004 14:37:50 Result: H:\TURBO6\5890-14\14a42233-20041214-143749.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
11	1.78	VV	173175	AR1242-A	0.5683	0.1894	3
14	2.06	VV	321363	AR1242-B	0.4811	0.1604	3
18	2.35	VE	595996	AR1242-C	0.6274	0.2091	3
			1090533			0.5589	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
24	2.79	VV	517319	AR1248-A	0.5884	0.1961	3
25	2.88	VV	415008	AR1248-B	0.5555	0.1852	3
30	3.23	VV	334841	AR1248-C	0.4956	0.1652	3
			1267168			0.5465	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
34	3.52	VV	577446	AR1254-A	0.3442	0.1147	3
39	3.93	VV	331985	AR1254-B	0.3262	0.1087	3
40	4.04	VV	528954	AR1254-C	0.4448	0.1483	3
			1438385			0.3717	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
44	4.33	VV	247421	AR1260-A	0.2724	0.0908	3
46	4.46	VV	409333	AR1260-B	0.2495	0.0832	3
48	4.76	VB	398362	AR1260-C	0.2556	0.0852	3
			1055116			0.2592	

Software Version	: 6.2.1.0.104:0104			Date	: 12/13/2004 09:31:03	
Reprocess Number	: buf2042: 38988					
Operator	: tchrom			Sample Name	: AS40014811-MS	
Sample Number	: A4C23305MS			Study	: CTA12950	
AutoSampler	: HP 7673A			Rack/Vial	: 0/0	
Instrument Name	: 5890-14			Channel	: A	
Interface Serial #	: 9205571207			A/D mV Range	: 1000	
Delay Time	: 0.00 min			End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s					
Sample Volume	: 1.000000 uL			Area Reject	: 3000.000000	
Sample Amount	: 1.0000			Dilution Factor	: 2.00	
Data Acquisition Time	: 12/12/2004 01:11:28			Cycle	: 59	

Raw Data File : H:\TURBO6\5890-14\14a42233.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42233.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42233.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42233.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42233.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
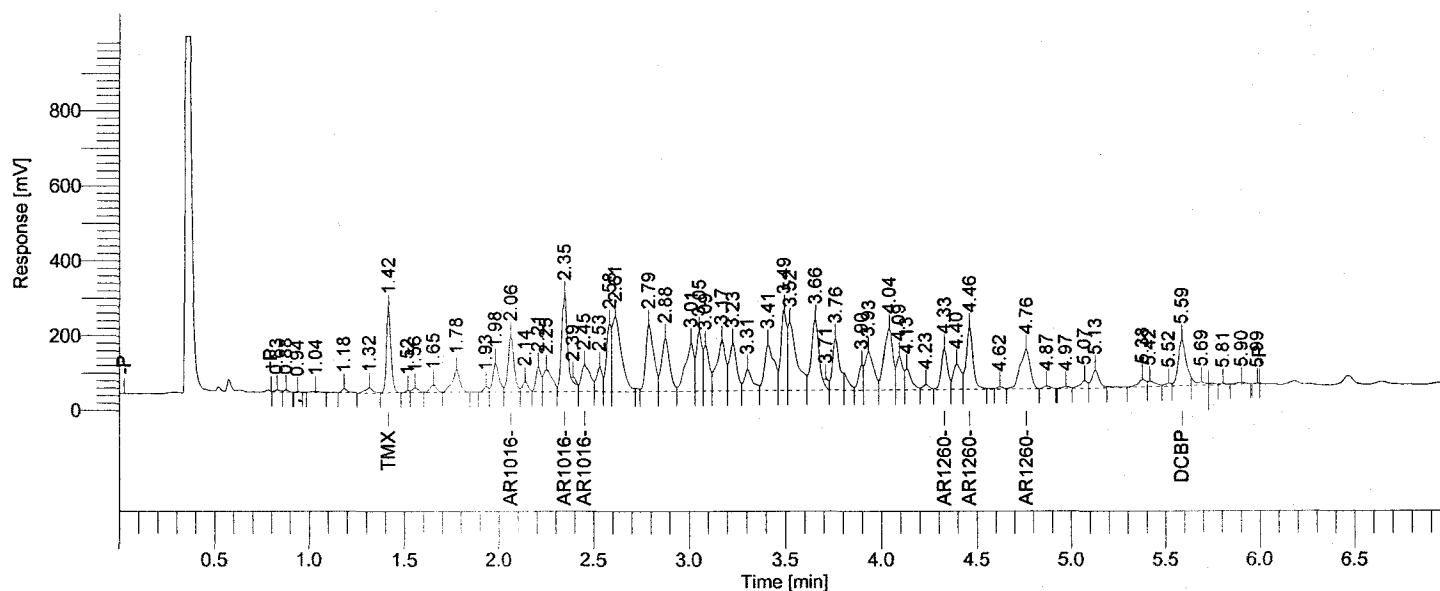
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
7	1.42	VV	373802	TMX	0.0177	-------	0
	2.35		1145200	AR1016	0.4234	0.1411	3
	4.46		1055116	AR1260	0.2569	0.0856	3
56	5.59	VV	379904	DCBP	0.0230	-------	0
			2954022			0.2268	

12/13/2004 09:31:03 Result: H:\TURBO6\5890-14\14a42233.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
14	2.06	VV	321363	AR1016-A	0.3721	0.1240	3
18	2.35	VE	595996	AR1016-B	0.4943	0.1648	3
20	2.45	VV	227842	AR1016-C	0.3578	0.1193	3
			1145200			0.4081	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
44	4.33	VV	247421	AR1260-A	0.2724	0.0908	3
46	4.46	VV	409333	AR1260-B	0.2495	0.0832	3
48	4.76	VB	398362	AR1260-C	0.2556	0.0852	3
			1055116			0.2592	

Software Version	: 6.2.1.0.104:0104		Date	: 12/13/2004 09:31:05	
Reprocess Number	: buf2042: 38989				
Operator	: tchrom		Sample Name	: AS40014811-MS	
Sample Number	: A4C23305MS		Study	: CTA12950	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: B	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 2.00	
Data Acquisition Time	: 12/12/2004 01:11:28		Cycle	: 59	

Raw Data File : H:\TURBO6\5890-14\14b42233.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42233.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42233.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42233.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42233.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
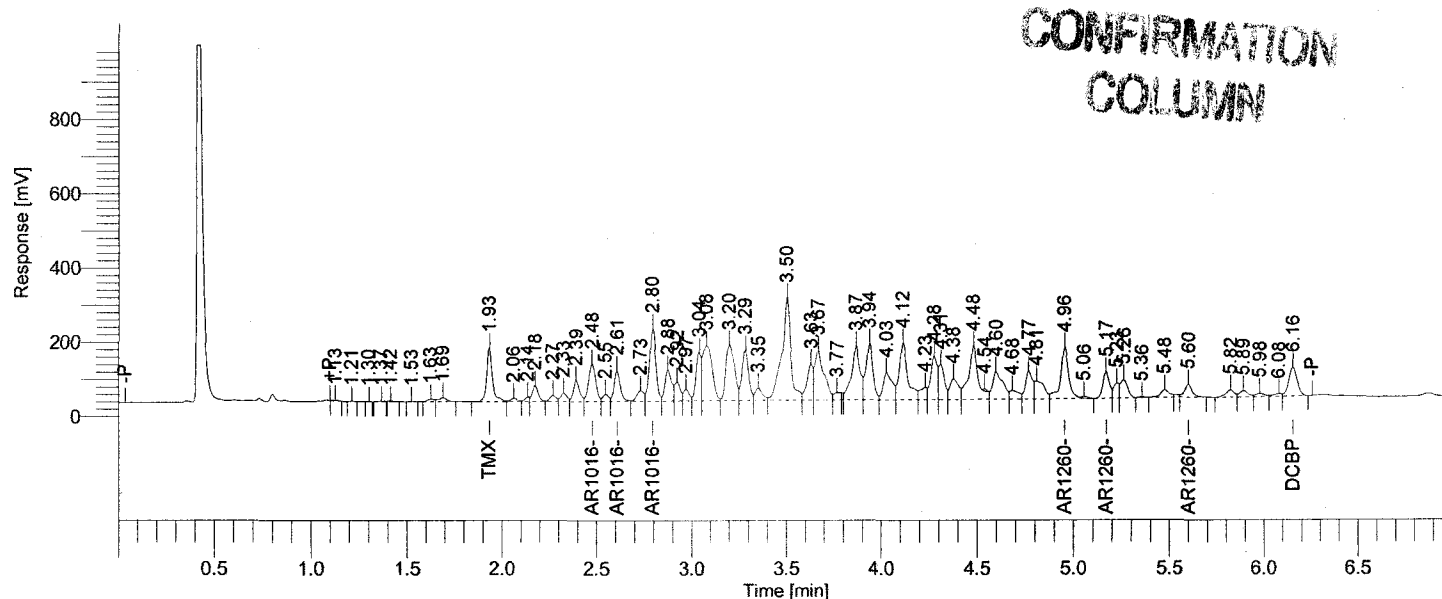
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	1.93	BV	306183	TMX	0.0206	-------	0
	2.80		911535	AR1016	0.4281	0.1427	3
	4.96		669529	AR1260	0.2723	0.0908	3
59	6.16	VB	241464	DCBP	0.0164	-------	0
			2128711			0.2335	

12/13/2004 09:31:05 Result: H:\TURBO6\5890-14\14b42233.rst

Group Report For: AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
16	2.48	VV	265018	AR1016-A	0.3451	0.1150	3
18	2.61	VV	187010	AR1016-B	0.4271	0.1424	3
20	2.80	VV	459507	AR1016-C	0.4956	0.1652	3
			911535			0.4226	

Group Report For: AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
47	4.96	VE	404171	AR1260-A	0.2773	0.0924	3
49	5.17	BV	168579	AR1260-B	0.2557	0.0852	3
54	5.60	VB	96779	AR1260-C	0.2833	0.0944	3
			669529			0.2721	

Software Version	: 6.2.1.0.104:0104	Date	: 12/14/2004 14:37:51
Reprocess Number	: buf2046: 17175		
Operator	: tchrom	Sample Name	: AS40014811-MS
Sample Number	: A4C23305MS	Study	: CTA12950
AutoSampler	: HP 7673A	Rack/Vial	: 0/0
Instrument Name	: 5890-14	Channel	: B
Interface Serial #	: 9205571207	A/D mV Range	: 1000
Delay Time	: 0.00 min	End Time	: 7.00 min
Sampling Rate	: 16.6660 pts/s		
Sample Volume	: 1.000000 uL	Area Reject	: 3000.000000
Sample Amount	: 1.0000	Dilution Factor	(2.00
Data Acquisition Time	: 12/12/2004 01:11:28	Cycle	: 1

Raw Data File : H:\TURBO6\5890-14\14b42233.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42233-20041214-143751.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42233.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42233-20041214-143751.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42233-20041214-143751.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
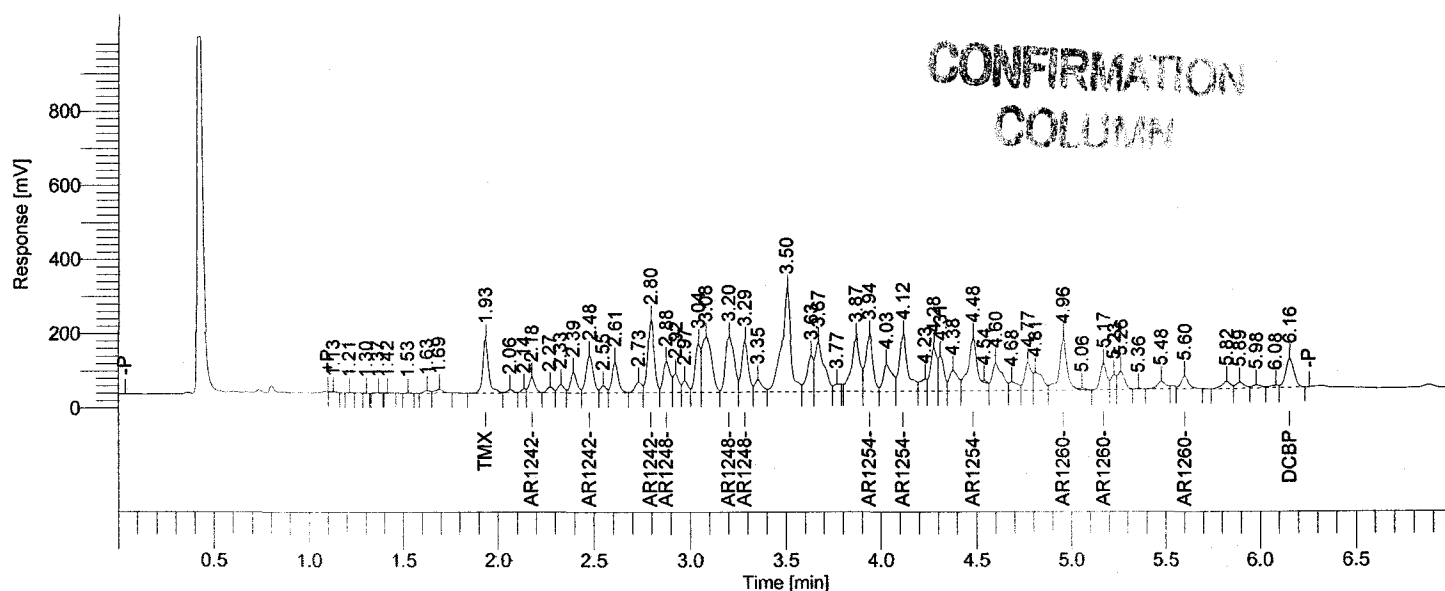
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	1.93	BV	306183	TMX	0.0206	-------	0
	2.80		814498	AR1242	0.5268	0.1753	3
	3.20		1015996	AR1248	0.6710	0.2237	3
	4.12		1371981	AR1254	0.4472	0.1491	3
	4.96		669529	AR1260	0.2723	0.0908	3
59	6.16	VB	241464	DCBP	0.0164	-------	0
			4419652			0.6388	

12/14/2004 14:37:51 Result: H:\TURBO6\5890-14\14b42233-20041214-143751.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
12	2.18	VV	89974	AR1242-A	0.3759	0.1253	3
16	2.48	VV	265018	AR1242-B	0.4496	0.1499	3
20	2.80	VV	459507	AR1242-C	0.6380	0.2127	3
			814498			0.4878	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
21	2.88	VV	207129	AR1248-A	0.8659	0.2886	3
26	3.20	VV	480468	AR1248-B	0.6627	0.2209	3
27	3.29	VV	328399	AR1248-C	0.5972	0.1991	3
			1015996			0.7086	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
34	3.94	VV	400560	AR1254-A	0.3951	0.1317	3
36	4.12	VV	467568	AR1254-B	0.4870	0.1623	3
41	4.48	VE	503854	AR1254-C	0.4606	0.1535	3
			1371981			0.4476	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
47	4.96	VE	404171	AR1260-A	0.2773	0.0924	3
49	5.17	BV	168579	AR1260-B	0.2557	0.0852	3
54	5.60	VB	96779	AR1260-C	0.2833	0.0944	3
			669529			0.2721	

RW 12/14/04

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

Client No.

D088D

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix: (soil/water) SOIL   Lab Sample ID: A4C23305SD

Sample wt/vol: _____30.88_ (g/mL) G   Lab File ID: 14A42234.TX0

% Moisture: 53.7   decanted: (Y/N) N   Date Samp/Recv: 12/08/2004 12/08/2004

Extraction: (SepF/Cont/Sonc/Soxh): SONC   Date Extracted: 12/09/2004

Concentrated Extract Volume: 10000 (uL)   Date Analyzed: 12/12/2004

Injection Volume: _____1.00 (uL)   Dilution Factor: _____2.00

GPC Cleanup: (Y/N) N pH: 6.63   Sulfur Cleanup: (Y/N) N

CONCENTRATION UNITS:

CAS NO.	COMPOUND	(ug/L or ug/Kg) UG/KG	Q
12674-11-2	PCB-1016	430	
11104-28-2	PCB-1221	340	U
11141-16-5	PCB-1232	340	U
53469-21-9	PCB-1242	340	U
12672-29-6	PCB-1248	570	
11097-69-1	PCB-1254	520	
11096-82-5	PCB-1260	280	J

FORM I - GC EXT

Software Version	: 6.2.1.0.104:0104		Date	: 12/14/2004 14:37:53	
Reprocess Number	: buf2046: 17176				
Operator	: tchrom		Sample Name	: AS40014812-SD	
Sample Number	: A4C23305SD		Study	: CTA12950	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: A	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 2.00	
Data Acquisition Time	: 12/12/2004 01:23:54		Cycle	: 2	

Raw Data File : H:\TURBO6\5890-14\14a42234.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42234-20041214-143752.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42234.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42234-20041214-143752.rst
Calib Method : h:\turbo6\5890-14\na-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14a42234-20041214-143752.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
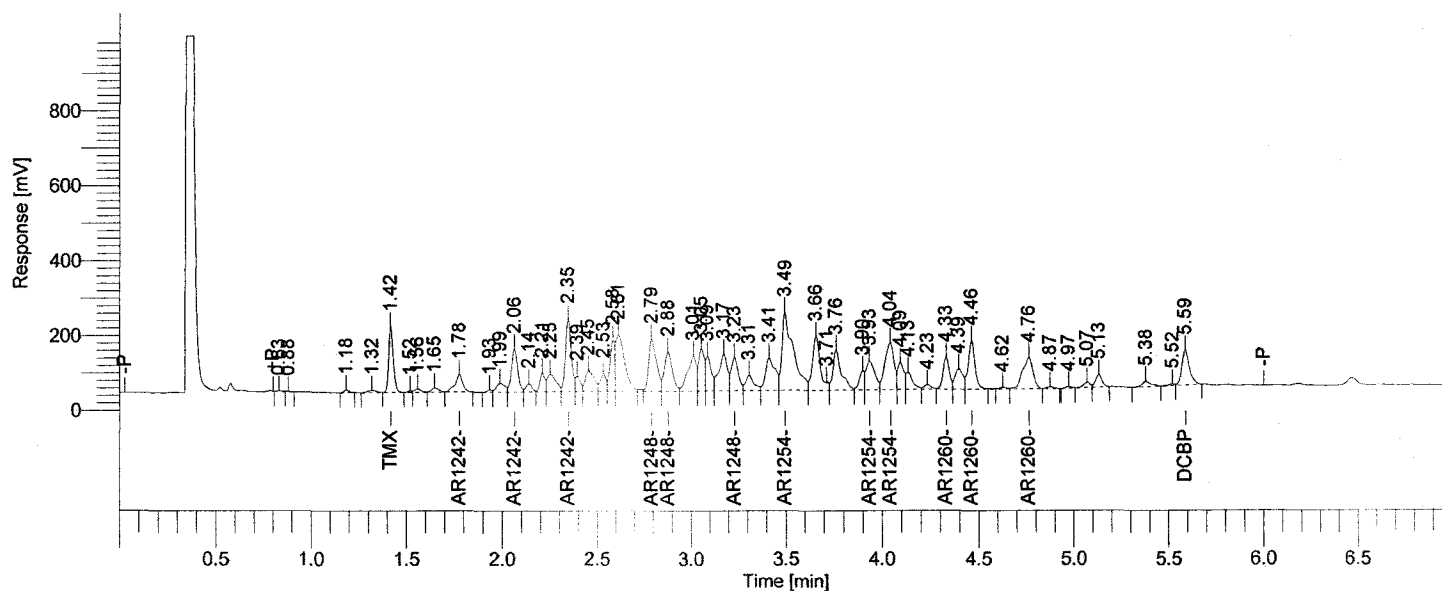
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.42	VV	294130	TMX	0.0136	-------	0
	2.35		813005	AR1242	0.4229	0.1410	3
	2.79		956817	AR1248	0.4167	0.1386	3
	3.49		1530602	AR1254	0.3940	0.1313	3
	4.46		835197	AR1260	0.1987	0.0662	3
52	5.59	VB	254144	DCBP	0.0145	-------	0
			4683895			0.4771	

12/14/2004 14:37:53 Result: H:\TURBO6\5890-14\14a42234-20041214-143752.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	1.78	VB	130478	AR1242-A	0.4282	0.1427	3
12	2.06	VV	258469	AR1242-B	0.3869	0.1290	3
16	2.35	VV	424059	AR1242-C	0.4464	0.1488	3
			813005			0.4205	

Group Report For : AR1248
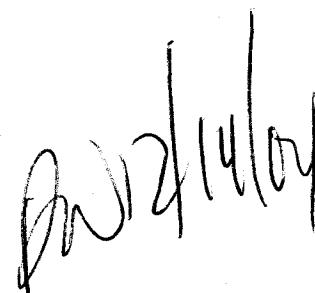
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
22	2.79	VV	405623	AR1248-A	0.4614	0.1538	3
23	2.88	VV	317039	AR1248-B	0.4244	0.1415	3
28	3.23	VV	234154	AR1248-C	0.3465	0.1155	3
			956817			0.4108	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
31	3.49	VV	864985	AR1254-A	0.5156	0.1719	3
36	3.93	VV	252505	AR1254-B	0.2481	0.0827	3
37	4.04	VV	413112	AR1254-C	0.3474	0.1158	3
			1530602			0.3704	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
41	4.33	VV	193808	AR1260-A	0.2080	0.0693	3
43	4.46	VV	325292	AR1260-B	0.1936	0.0645	3
45	4.76	VV	316097	AR1260-C	0.1987	0.0662	3
			835197			0.2001	

Software Version	: 6.2.1.0.104:0104			Date	: 12/13/2004 09:31:07		
Reprocess Number	: buf2042: 38990						
Operator	: tchrom			Sample Name	: AS40014812-SD		
Sample Number	: A4C23305SD			Study	: CTA12950		
AutoSampler	: HP 7673A			Rack/Vial	: 0/0		
Instrument Name	: 5890-14			Channel	: A		
Interface Serial #	: 9205571207			A/D mV Range	: 1000		
Delay Time	: 0.00 min			End Time	: 7.00 min		
Sampling Rate	: 16.6660 pts/s						
Sample Volume	: 1.000000 uL			Area Reject	: 3000.000000		
Sample Amount	: 1.0000			Dilution Factor	: 2.00		
Data Acquisition Time	: 12/12/2004 01:23:54			Cycle	: 60		

Raw Data File : H:\TURBO6\5890-14\14a42234.raw <Modified>
Result File : H:\TURBO6\5890-14\14a42234.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14a42234.raw
Proc Method : h:\turbo6\5890-14\naproc.mth from H:\TURBO6\5890-14\14a42234.rst
Calib Method : h:\turbo6\5890-14\na66(12-8-04).mth from H:\TURBO6\5890-14\14a42234.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
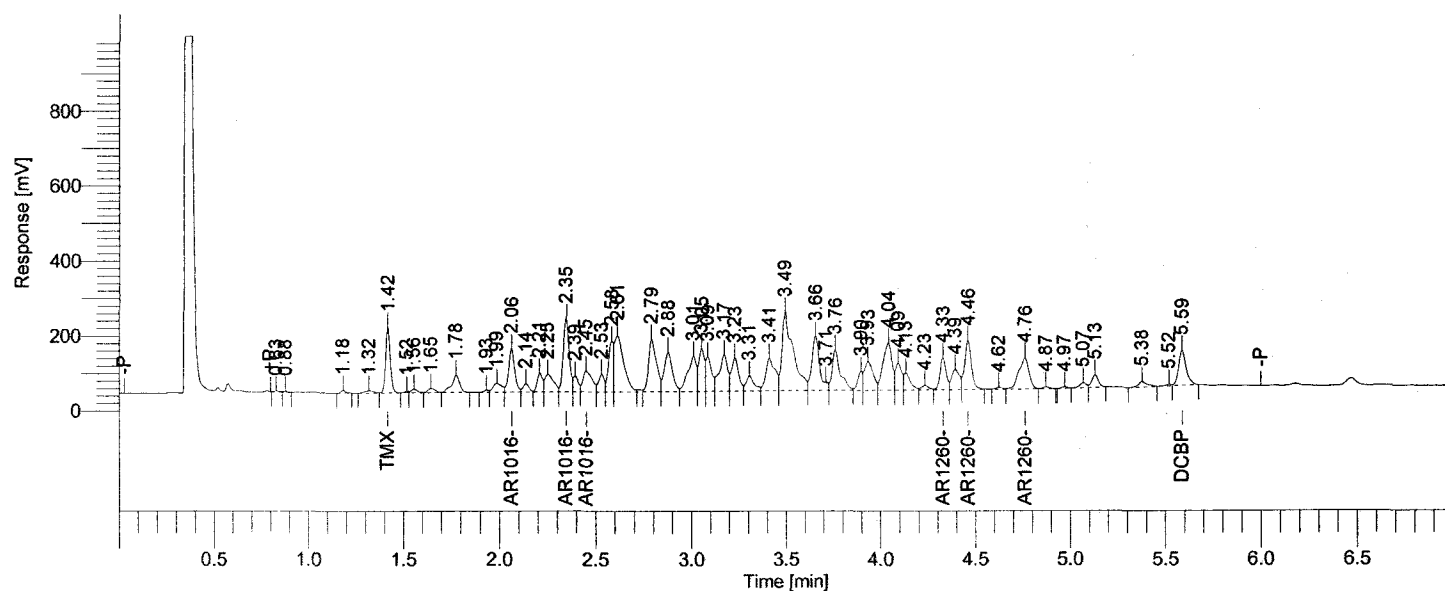
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
5	1.42	VV	294130	TMX	0.0136	-------	0
	2.35		864888	AR1016	0.3115	0.1038	3
	4.46		835197	AR1260	0.1087	0.0662	3
52	5.59	VB	254144	DCBP	0.0145	-------	0
			2248359			0.1701	

12/13/2004 09:31:07 Result: H:\TURBO6\5890-14\14a42234.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
12	2.06	VV	258469	AR1016-A	0.2917	0.0972	3
16	2.35	VV	424059	AR1016-B	0.3407	0.1136	3
18	2.45	VV	182360	AR1016-C	0.2825	0.0942	3
			864888			0.3050	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
41	4.33	VV	193808	AR1260-A	0.2080	0.0693	3
43	4.46	VV	325292	AR1260-B	0.1936	0.0645	3
45	4.76	VV	316097	AR1260-C	0.1987	0.0662	3
			835197			0.2001	

Software Version	: 6.2.1.0.104:0104	
Reprocess Number	: buf2042: 38991	
Operator	: tchrom	
Sample Number	: A4C23305SD	
AutoSampler	: HP 7673A	
Instrument Name	: 5890-14	
Interface Serial #	: 9205571207	
Delay Time	: 0.00 min	
Sampling Rate	: 16.6660 pts/s	
Sample Volume	: 1.000000 uL	
Sample Amount	: 1.0000	
Data Acquisition Time	: 12/12/2004 01:23:54	

Date	: 12/13/2004 09:31:09
Sample Name	: AS40014812-SD
Study	: CTA12950
Rack/Vial	: 0/0
Channel	: B
A/D mV Range	: 1000
End Time	: 7.00 min
Area Reject	: 3000 000000
Dilution Factor	: 2.00
Cycle	: 60

Raw Data File : H:\TURBO6\5890-14\14b42234.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42234.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42234.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42234.rst
Calib Method : h:\turbo6\5890-14\nb66(12-8-04).mth from H:\TURBO6\5890-14\14b42234.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
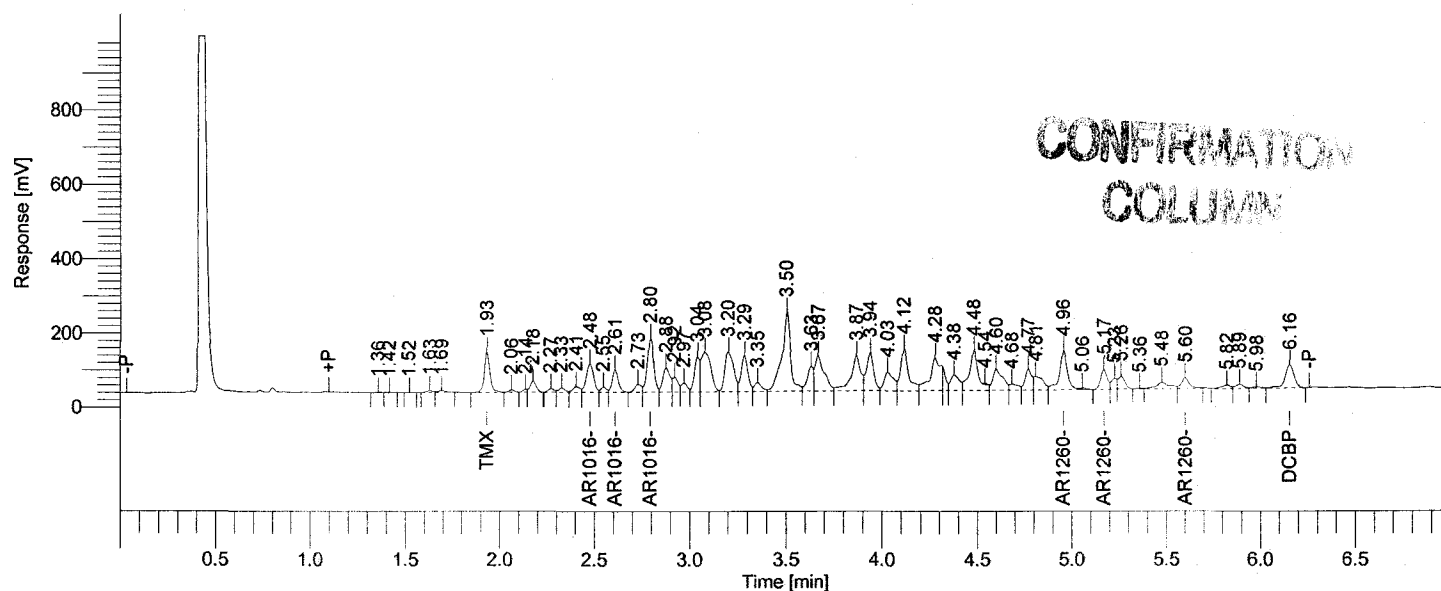
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.93	BV	222525	TMX	0.0148	-------	0
	2.80		686910	AR1016	0.3142	0.1047	3
	4.96		517578	AR1260	0.2069	0.0690	3
52	6.16	VB	206359	DCBP	0.0137	-------	0
			1633372			0.1737	

12/13/2004 09:31:09 Result: H:\TURBO6\5890-14\14b42234.rst

Group Report For : AR1016

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
13	2.48	VV	206473	AR1016-A	0.2619	0.0873	3
15	2.61	VV	137296	AR1016-B	0.3049	0.1016	3
17	2.80	VV	343142	AR1016-C	0.3606	0.1202	3
			686910			0.3091	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
41	4.96	VE	305601	AR1260-A	0.2056	0.0685	3
43	5.17	BV	127542	AR1260-B	0.1900	0.0633	3
48	5.60	VV	84435	AR1260-C	0.2453	0.0818	3
			517578			0.2136	

RW 12/14/04

Software Version	: 6.2.1.0.104:0104		Date	: 12/14/2004 14:37:54	
Reprocess Number	: buf2046: 17177				
Operator	: tchrom		Sample Name	: AS40014812-SD	
Sample Number	: A4C23305SD		Study	: CTA12950	
AutoSampler	: HP 7673A		Rack/Vial	: 0/0	
Instrument Name	: 5890-14		Channel	: B	
Interface Serial #	: 9205571207		A/D mV Range	: 1000	
Delay Time	: 0.00 min		End Time	: 7.00 min	
Sampling Rate	: 16.6660 pts/s				
Sample Volume	: 1.000000 uL		Area Reject	: 3000.000000	
Sample Amount	: 1.0000		Dilution Factor	: 2.00	
Data Acquisition Time	: 12/12/2004 01:23:54		Cycle	: 2	

Raw Data File : H:\TURBO6\5890-14\14b42234.raw <Modified>
Result File : H:\TURBO6\5890-14\14b42234-20041214-143754.rst
Inst Method : H:\TURBO6\5890-14\14dins from H:\TURBO6\5890-14\14b42234.raw
Proc Method : h:\turbo6\5890-14\nbproc.mth from H:\TURBO6\5890-14\14b42234-20041214-143754.rst
Calib Method : h:\turbo6\5890-14\nb-4pcb(12-8-04).mth from H:\TURBO6\5890-14\14b42234-20041214-143754.rst
Report Format File: h:\turbo6\5890-14\nsamp.rpt
Sequence File : H:\TURBO6\5890-14\14D42.seq
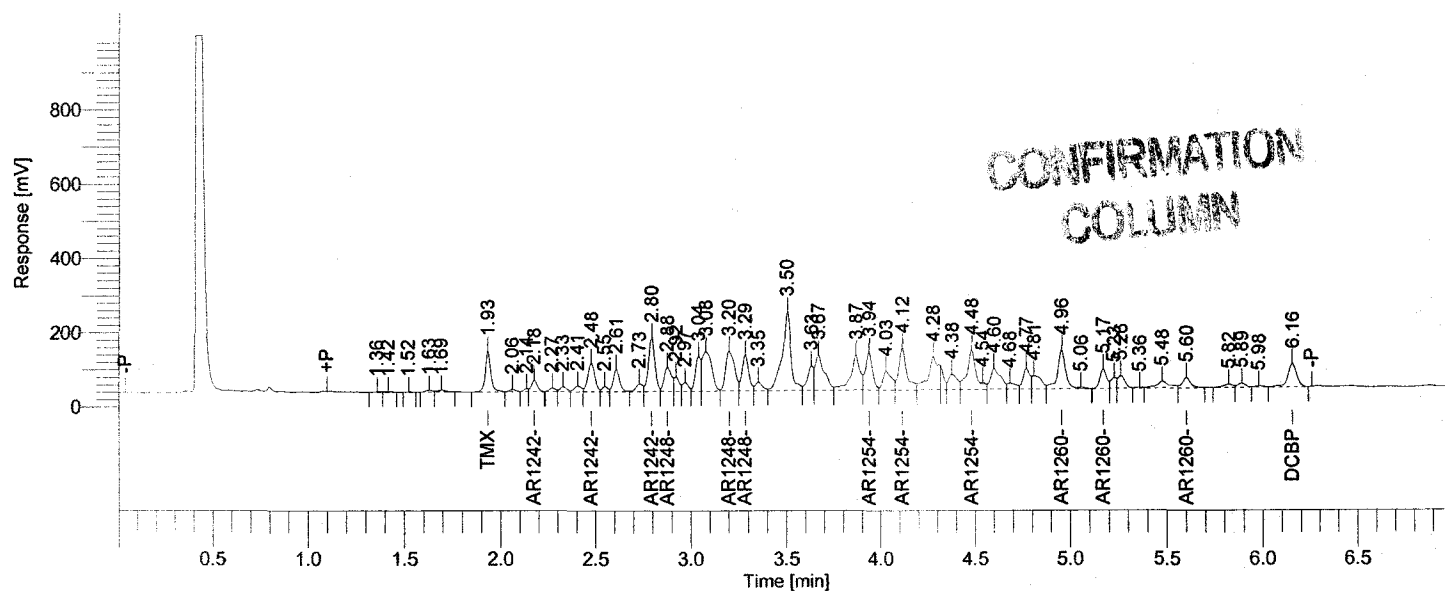
Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
6	1.93	BV	222525	TMX	0.0148	-------	0
	2.80		616492	AR1242	0.3980	0.1327	3
	3.20		752430	AR1248	0.4970	0.1657	3
	4.12		971541	AR1254	0.3167	0.1056	3
	4.96		517578	AR1260	0.2069	0.0690	3
52	6.16	VB	206359	DCBP	0.0137	-------	0
			3286925			0.4729	

12/14/2004 14:37:54 Result: H:\TURBO6\5890-14\14b42234-20041214-143754.rst

Group Report For : AR1242

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
9	2.18	VB	66877	AR1242-A	0.2794	0.0931	3
13	2.48	VV	206473	AR1242-B	0.3503	0.1168	3
17	2.80	VV	343142	AR1242-C	0.4765	0.1588	3
			616492			0.3687	

Group Report For : AR1248

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
18	2.88	VV	174035	AR1248-A	0.7276	0.2425	3
23	3.20	VV	344111	AR1248-B	0.4746	0.1582	3
24	3.29	VV	234284	AR1248-C	0.4261	0.1420	3
			752430			0.5428	

Group Report For : AR1254

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
30	3.94	VV	270245	AR1254-A	0.2666	0.0889	3
32	4.12	VV	337296	AR1254-B	0.3513	0.1171	3
35	4.48	VE	364001	AR1254-C	0.3328	0.1109	3
			971541			0.3169	

Group Report For : AR1260

Peak #	Ret Time [min]	BL	Area [uV-sec]	Component Name	NG conc.	AVG NG CONC (5pts)	# PEAKS USED
41	4.96	VE	305601	AR1260-A	0.2056	0.0685	3
43	5.17	BV	127542	AR1260-B	0.1900	0.0633	3
48	5.60	VV	84435	AR1260-C	0.2453	0.0818	3
			517578			0.2136	

STL Buffalo
Date: 12/27/2004
Time: 14:48:22

Organic Prep Log Book
(3550B) 8082 SOIL
A4B20638 (Closed)

Rept: AN0501

Surrogate Amount: 1000.00 ul

Date Ext/Initials: 12/09/2004 KLE

Cleanup Date/Initials: 12/09/2004 KLE

Matrix Spike Amount: 1000.00 ul

Preconc Date/Initials:

Final Conc Date/Initials: 12/09/2004 KLE

SOLID EXTRACTIONS

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*
A4B20638	A4B2063801	Z	MSB	AS40014804	ASP00	ASP00	8082	A00093	A00222	30.0800		10.00	0.00	0.00	0.00	N
A4B20638	A4B2063802	Z	MBLK	AS40014805	ASP00	ASP00	8082	A00093	———	30.0800		10.00	0.00	0.00	0.00	N
A04-C233	A4C23301	A	FS	AS40014806	ASP00	ASP00	8082	A00093	———	30.0100		10.00	1.21	5.86	4.74	N
A04-C233	A4C23302	A	FS	AS40014807	ASP00	ASP00	8082	A00093	———	30.8100		10.00	1.22	6.36	5.38	N
A04-C233	A4C23303	A	FS	AS40014808	ASP00	ASP00	8082	A00093	———	30.2900		10.00	1.23	5.14	3.63	N
A04-C233	A4C23304	A	FS	AS40014809	ASP00	ASP00	8082	A00093	———	30.8300		10.00	1.19	7.87	5.88	N
A04-C233	A4C23305	A	FS	AS40014810	ASP00	ASP00	8082	A00093	———	30.3400		10.00	1.24	6.92	3.87	N
A04-C233	A4C23305MS	A	MS	AS40014811	ASP00	ASP00	8082	A00093	A00222	30.6100		10.00	1.24	6.92	3.87	N
A04-C233	A4C23305SD	A	SD	AS40014812	ASP00	ASP00	8082	A00093	A00222	30.8800		10.00	1.24	6.92	3.87	N

Comments:

D* = Decanted(Y/N)

GC INJECTION LOG BOOK

INSTRUMENT ID: HP5890-14 COLUMN ID'S A: 29-33 B: 29-35 SEQUENCE: 22

SYRINGE LOT #: ___ SOLVENT LOT #: ___

DATE & INIT.	JOB #	VIAL ID (A)	DF	VIAL ID (B)	DF	FILE ID (A)	B	GC METHOD TYPE	PROCESS Y/N	COMMENTS
1/12/04	GC	AW400250JD m.Blk				208 209	212	12/12/04 BHP	12/12/04 BHP	Cutt
	C243	25258				210				
		25259 M.5								
		25260 50				215				
		25261								
		25262								
		25263				215		12/13/04 BHP		Cutt
	—	Hexane								
	C243	AW400 25264				216				Cutt
	—	Hexane								
	C263	AW400 25065				220		12/13/04 BHP		Cutt
	—	Hexane								
	CCV	ICM54RA 6.5								A CK
	IDLK	ICM36F 6.3								A Clean
	QC	A5400 14834 M5B				225		12/13/04 BHP		
		14805 m.Blk								
	C233	14806 x50								
		14807 x100				230				
		14808 x50								
		14809 x100								
		14810 x2				230		12/13/04 BHP		
		14811 M5x2								
		14812 50x2				235				
	—	Hexane								
	CCV	ICM66JD 6.5				237		12/13/04 BHP	✓	A CK
12/13/04	IDLK	ICM36F				238			—	A Clean
	—	Prima								B CK
										B Clean

METALS DATA

STL BUFFALO

NYS DEC
COVER PAGE - INORGANIC ANALYSIS DATA PACKAGE

Contract: NY00-096   SDG No.: 1208

Lab Code: STLBFLO   Case No.: SH904   SAS No.:

SOW No.:

Sample ID.	Lab Sample No.
D088A	A4C23301
D088A/MS	A4C23301MS
D088A/SD	A4C23301SD
D088AA	A4C23302
D088B	A4C23303
D088C	A4C23304
D088D	A4C23305

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: _____1-6-04_____   Title: Project Manager

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D088A

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466610

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 76

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	199		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

Form I - IN

ASP00

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D088AA

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466613

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 81

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	209		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

Form I - IN   ASP00

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

| D088B |

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466614

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 61

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	256		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

STL BUFFALO

<div align="center">

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

</div>

SAMPLE NO.

D088C

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466615

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 70

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	348		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

<div align="center">

Form I - IN

</div>

ASP00

STL BUFFALO

NYS DEC
-1-
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

D088D

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: AD466616

Level (low/med): LOW   Date Received: 12/8/2004

% Solids: 46

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

CAS No.	Analyte	Concentration	C	Q	M
7440-02-0	Nickel	457		NE*	P

Color Before: BROWN   Clarity Before: CLOUDY   Texture: TOPSOIL

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

Comments:

Form I - IN   ASP00

Laboratory: A
Project Manager: BJF

Compare Client DL for PROJECT NY1A8770.9 and Task 1 to Lab MDL
For METHOD: 6010   PROTOCOL: ASP00

Fraction: ME

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	ET
NYS DEC	NY1A8770.9	1	Aluminum - Total	CRQL	ASP00	6010	CTA16277	S	MG/KG		20.00000	2.20000	N
NYS DEC	NY1A8770.9	1	Aluminum - Total	CRQL	ASP00	6010	CTA18065	W	UG/L		200.00000	30.00000	N
NYS DEC	NY1A8770.9	1	Aluminum - Total	CRQL	ASP00	6010	STA01015	W	UG/L		200.00000	30.00000	N
NYS DEC	NY1A8770.9	1	Antimony - Total	CRQL	ASP00	6010	CTA13407	S	MG/KG		6.00000	3.65000	N
NYS DEC	NY1A8770.9	1	Antimony - Total	CRQL	ASP00	6010	CTA13858	W	UG/L		60.00000	5.50000	N
NYS DEC	NY1A8770.9	1	Antimony - Total	CRQL	ASP00	6010	STA00987	W	UG/L		60.00000	5.50000	N
NYS DEC	NY1A8770.9	1	Arsenic - Soluble	CRQL	ASP00	6010	CTA20975	W	UG/L		10.00000	4.90000	N
NYS DEC	NY1A8770.9	1	Arsenic - Total	CRQL	ASP00	6010	CTA13285	W	UG/L		10.00000	4.90000	N
NYS DEC	NY1A8770.9	1	Arsenic - Total	CRQL	ASP00	6010	CTA13408	S	MG/KG		1.00000	0.64000	N
NYS DEC	NY1A8770.9	1	Arsenic - Total	CRQL	ASP00	6010	CTA13859	W	UG/L		10.00000	4.90000	N
NYS DEC	NY1A8770.9	1	Arsenic - Total	CRQL	ASP00	6010	STA00988	W	UG/L		10.00000	4.90000	N
NYS DEC	NY1A8770.9	1	Barium - Total	CRQL	ASP00	6010	CTA13286	W	UG/L		200.00000	1.00000	N
NYS DEC	NY1A8770.9	1	Barium - Total	CRQL	ASP00	6010	CTA13860	W	UG/L		200.00000	1.00000	N
NYS DEC	NY1A8770.9	1	Barium - Total	CRQL	ASP00	6010	CTA14378	S	MG/KG		20.00000	0.13000	N
NYS DEC	NY1A8770.9	1	Barium - Total	CRQL	ASP00	6010	STA01016	W	UG/L		200.00000	1.00000	N
NYS DEC	NY1A8770.9	1	Beryllium - Total	CRQL	ASP00	6010	CTA13460	S	MG/KG		0.50000	0.04000	N
NYS DEC	NY1A8770.9	1	Beryllium - Total	CRQL	ASP00	6010	CTA13861	W	UG/L		5.00000	1.00000	N
NYS DEC	NY1A8770.9	1	Beryllium - Total	CRQL	ASP00	6010	STA00989	W	UG/L		5.00000	1.00000	N
NYS DEC	NY1A8770.9	1	Boron - Total	CRQL	ASP00	6010	CTA18076	W	UG/L		20.00000	2.80000	N
NYS DEC	NY1A8770.9	1	Boron - Total	EQL	ASP00	6010	CTA19581	S	MG/KG		2.00000	0.38000	N
NYS DEC	NY1A8770.9	1	Cadmium - Total	CRQL	ASP00	6010	CTA13287	W	UG/L		5.00000	0.59000	N
NYS DEC	NY1A8770.9	1	Cadmium - Total	CRQL	ASP00	6010	CTA13461	S	MG/KG		0.50000	0.06300	N
NYS DEC	NY1A8770.9	1	Cadmium - Total	CRQL	ASP00	6010	CTA13862	W	UG/L		5.00000	0.59000	N
NYS DEC	NY1A8770.9	1	Cadmium - Total	CRQL	ASP00	6010	STA00990	W	UG/L		5.00000	0.59000	N
NYS DEC	NY1A8770.9	1	Calcium - Total	CRQL	ASP00	6010	CTA16278	S	MG/KG		500.00000	4.40000	N
NYS DEC	NY1A8770.9	1	Calcium - Total	CRQL	ASP00	6010	CTA18066	W	UG/L		5000.00000	21.00000	N
NYS DEC	NY1A8770.9	1	Calcium - Total	CRQL	ASP00	6010	STA01017	W	UG/L		5000.00000	21.00000	N
NYS DEC	NY1A8770.9	1	Chromium - Total	CRQL	ASP00	6010	CTA13288	W	UG/L		10.00000	0.90000	N
NYS DEC	NY1A8770.9	1	Chromium - Total	CRQL	ASP00	6010	CTA13462	S	MG/KG		1.00000	0.13900	N
NYS DEC	NY1A8770.9	1	Chromium - Total	CRQL	ASP00	6010	CTA13863	W	UG/L		10.00000	0.90000	N
NYS DEC	NY1A8770.9	1	Chromium - Total	CRQL	ASP00	6010	STA00991	W	UG/L		10.00000	0.90000	N
NYS DEC	NY1A8770.9	1	Cobalt - Total	CRQL	ASP00	6010	CTA13864	W	UG/L		50.00000	2.00000	N
NYS DEC	NY1A8770.9	1	Cobalt - Total	CRQL	ASP00	6010	CTA14379	S	MG/KG		5.00000	0.10100	N
NYS DEC	NY1A8770.9	1	Cobalt - Total	CRQL	ASP00	6010	STA01018	W	UG/L		50.00000	2.00000	N
NYS DEC	NY1A8770.9	1	Copper - Total	CRQL	ASP00	6010	CTA13463	S	MG/KG		2.50000	0.23800	N
NYS DEC	NY1A8770.9	1	Copper - Total	CRQL	ASP00	6010	CTA13865	W	UG/L		25.00000	2.40000	N
NYS DEC	NY1A8770.9	1	Copper - Total	CRQL	ASP00	6010	STA00992	W	UG/L		25.00000	2.40000	N

ET - Exception Types: N - MDL "Not Found"   * - TDL=0 or MDL=0   M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)   E - TDL>CDL (TDL Type CDL)   E - TDL>CDL (TDL Type CRQL,EQL)

Date: 01/06/2005   Page: 2
Time: 09:01:48   Rept: AN1368

Laboratory: A

Project Manager: BJF

Compare Client DL for PROJECT NY1A8770.9 and Task 1 to Lab MDL
For METHOD: 6010   PROTOCOL: ASP00

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E I
NYS DEC	NY1A8770.9	1	Iron - Total	CRQL	ASP00	6010	CTA16279	S	MG/KG		10.00000	3.10000	N	
NYS DEC	NY1A8770.9	1	Iron - Total	CRQL	ASP00	6010	CTA18067	W	UG/L		100.00000	17.00000	N	
NYS DEC	NY1A8770.9	1	Iron - Total	CRQL	ASP00	6010	STA01019	W	UG/L		100.00000	17.00000	N	
NYS DEC	NY1A8770.9	1	Lead - Soluble	CRQL	ASP00	6010	CTA20976	W	UG/L		5.00000	1.30000	N	
NYS DEC	NY1A8770.9	1	Lead - Total	CRQL	ASP00	6010	CTA13289	W	UG/L		5.00000	1.30000	N	
NYS DEC	NY1A8770.9	1	Lead - Total	CRQL	ASP00	6010	CTA13464	S	MG/KG		0.50000	0.30700	N	
NYS DEC	NY1A8770.9	1	Lead - Total	CRQL	ASP00	6010	CTA13866	W	UG/L		5.00000	1.30000	N	
NYS DEC	NY1A8770.9	1	Lead - Total	CRQL	ASP00	6010	STA00993	W	UG/L		5.00000	1.30000	N	
NYS DEC	NY1A8770.9	1	Magnesium - Total	CRQL	ASP00	6010	CTA16280	S	MG/KG		500.00000	0.90000	N	
NYS DEC	NY1A8770.9	1	Magnesium - Total	CRQL	ASP00	6010	CTA18068	W	UG/L		5000.00000	19.60000	N	
NYS DEC	NY1A8770.9	1	Magnesium - Total	CRQL	ASP00	6010	STA01020	W	UG/L		5000.00000	19.60000	N	
NYS DEC	NY1A8770.9	1	Manganese - Total	CRQL	ASP00	6010	CTA16281	S	MG/KG		1.50000	0.05300	N	
NYS DEC	NY1A8770.9	1	Manganese - Total	CRQL	ASP00	6010	CTA18069	W	UG/L		15.00000	0.33000	N	
NYS DEC	NY1A8770.9	1	Manganese - Total	CRQL	ASP00	6010	STA01021	W	UG/L		15.00000	0.33000	N	
NYS DEC	NY1A8770.9	1	Nickel - Total	CRQL	ASP00	6010	CTA13465	S	MG/KG		4.00000	0.12000	N	
NYS DEC	NY1A8770.9	1	Nickel - Total	CRQL	ASP00	6010	CTA13868	W	UG/L		40.00000	1.60000	N	
NYS DEC	NY1A8770.9	1	Nickel - Total	CRQL	ASP00	6010	STA00994	W	UG/L		40.00000	1.60000	N	
NYS DEC	NY1A8770.9	1	Potassium - Total	CRQL	ASP00	6010	CTA16283	S	MG/KG		500.00000	8.40000	N	
NYS DEC	NY1A8770.9	1	Potassium - Total	CRQL	ASP00	6010	CTA18070	W	UG/L		5000.00000	100.00000	N	
NYS DEC	NY1A8770.9	1	Potassium - Total	CRQL	ASP00	6010	STA01023	W	UG/L		5000.00000	100.00000	N	
NYS DEC	NY1A8770.9	1	Selenium - Total	CRQL	ASP00	6010	CTA13290	W	UG/L		5.00000	5.60000	Y	M
NYS DEC	NY1A8770.9	1	Selenium - Total	CRQL	ASP00	6010	CTA13466	S	MG/KG		0.50000	1.10000	Y	M
NYS DEC	NY1A8770.9	1	Selenium - Total	CRQL	ASP00	6010	CTA13869	W	UG/L		5.00000	5.60000	Y	M
NYS DEC	NY1A8770.9	1	Selenium - Total	CRQL	ASP00	6010	STA00995	W	UG/L		5.00000	5.60000	Y	M
NYS DEC	NY1A8770.9	1	Silver - Total	CRQL	ASP00	6010	CTA13291	W	UG/L		10.00000	0.90000	N	
NYS DEC	NY1A8770.9	1	Silver - Total	CRQL	ASP00	6010	CTA13467	S	MG/KG		1.00000	0.14500	N	
NYS DEC	NY1A8770.9	1	Silver - Total	CRQL	ASP00	6010	CTA13870	W	UG/L		10.00000	0.90000	N	
NYS DEC	NY1A8770.9	1	Silver - Total	CRQL	ASP00	6010	STA00996	W	UG/L		10.00000	0.90000	N	
NYS DEC	NY1A8770.9	1	Sodium - Total	CRQL	ASP00	6010	CTA16284	S	MG/KG		500.00000	41.70000	N	
NYS DEC	NY1A8770.9	1	Sodium - Total	CRQL	ASP00	6010	CTA18071	W	UG/L		5000.00000	339.00000	N	
NYS DEC	NY1A8770.9	1	Sodium - Total	CRQL	ASP00	6010	STA01024	W	UG/L		5000.00000	339.00000	N	
NYS DEC	NY1A8770.9	1	Thallium - Total	CRQL	ASP00	6010	CTA13468	S	MG/KG		1.00000	2.46800	Y	M
NYS DEC	NY1A8770.9	1	Thallium - Total	CRQL	ASP00	6010	CTA13871	W	UG/L		10.00000	5.70000	N	
NYS DEC	NY1A8770.9	1	Thallium - Total	CRQL	ASP00	6010	STA00997	W	UG/L		10.00000	5.70000	N	
NYS DEC	NY1A8770.9	1	Tin - Total	CRQL	ASP00	6010	CTA14380	S	MG/KG		4.00000	0.48000	N	
NYS DEC	NY1A8770.9	1	Tin - Total	CRQL	ASP00	6010	CTA17831	W	UG/L		40.00000	5.90000	N	
NYS DEC	NY1A8770.9	1	Vanadium - Total	CRQL	ASP00	6010	CTA13872	W	UG/L		50.00000	0.98000	N	
NYS DEC	NY1A8770.9	1	Vanadium - Total	CRQL	ASP00	6010	CTA14381	S	MG/KG		5.00000	0.09500	N	

ET - Exception Types: N - MDL "Not Found"   * - TDL=0 or MDL=0   M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)   E - TDL>CDL (TDL Type CDL)

Date: 01/06/2005   Page: 3
Time: 09:01:48   Rept: AN1368

Laboratory: A
Project Manager: BJF

Compare Client DL for PROJECT NY1A8770.9 and Task 1 to Lab MDL
For METHOD: 6010   PROTOCOL: ASP00

Client Name	Project No	Tsk No	Parameter	TDL Type	Protcl	Method	Test	T M	UM	CDL	TDL	MDL	E X	E I
NYS DEC	NY1A8770.9	1	Vanadium - Total	CRQL	ASP00	6010	STA01025	W	UG/L		50.00000	0.98000	N	
NYS DEC	NY1A8770.9	1	Zinc - Total	CRQL	ASP00	6010	CTA13469	S	MG/KG		2.00000	0.64000	N	
NYS DEC	NY1A8770.9	1	Zinc - Total	CRQL	ASP00	6010	CTA13873	W	UG/L		20.00000	1.40000	N	
NYS DEC	NY1A8770.9	1	Zinc - Total	CRQL	ASP00	6010	STA00998	W	UG/L		20.00000	1.40000	N	

ET - Exception Types: N - MDL "Not Found"   * - TDL=0 or MDL=0   M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)   E - TDL>CDL (TDL Type CDL)

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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	376.72	100.5	500.0	502.37	100.5	496.39	99.3	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.: **1208**

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				500.0	504.94	101.0	509.16	101.8	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.: 1208

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				500.0	500.29	100.1	512.45	102.5	P

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

Form II (Part 1) - IN

ASP00

STL BUFFALO

NYS DEC
-2A-
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

Initial Calibration Source: VHG/INO.VENT.

Continuing Calibration Source: VHG/INOR.VENT.

Concentration Units: ug/L

Analyte	Initial Calibration True	Found	%R(1)	Continuing Calibration True	Found	%R(1)	Found	%R(1)	M
Nickel				500.0	500.74	100.1			P

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

Form II (Part 1) - IN

ASP00

STL BUFFALO

NYS DEC
-3-
BLANKS

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG NO.: __1208__

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)							Preparation Blank	C	M
			1	C	2	C	3	C				
Nickel	0.7	U	0.7	U	0.7	U	0.7	U		0.066	U	P

Comments:

Form III - IN

ASP00

STL BUFFALO

<div align="center">

NYS DEC

-3-

BLANKS

</div>

Contract: __NY00-096_____

Lab Code: __STLBFLO____ Case No.: __SH904____ SAS No.: _____ SDG NO.: __1208_____

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)						Preparation Blank		C	M
			1	C	2	C	3	C				
Nickel			0.7	U	0.7	U	0.7	U				P

Comments:

<div align="center">

Form III - IN

</div>

STL BUFFALO

NYS DEC

-3-

BLANKS

Contract: **NY00-096**

Lab Code: **STLBFLO**   Case No.: **SH904**   SAS No.: _____   SDG NO.: **1208**

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) | | | | | | | Preparation Blank | | C | M |
			1	C	2	C	3	C					
Nickel			0.7	U									P

Comments:

Form III - IN

ASP00

STL BUFFALO

NYS DEC
-4-

ICP INTERFERENCE CHECK SAMPLE

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG NO.: __1208__

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	2	911.6	91.2	2	908.1	90.8

STL BUFFALO

NYS DEC
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

| D088A/MS |

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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

% Solids for Sample: 75.9

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
Nickel	75 - 125	462.3382		199.4591		66.00	398.3	N	P

Comments: _____
_____
_____
_____

Form V (PART 1) - IN   ASP00

STL BUFFALO

NYS DEC
-5A-
SPIKE SAMPLE RECOVERY

SAMPLE NO.

D088A/SD

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

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

% Solids for Sample: 75.9

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
Nickel		306.0768		199.4591		62.73	170.0	N	P

Comments: _____

_____

_____

_____

Form V (PART 1) - IN   ASP00

STL BUFFALO

NYS DEC
-5B-

POST DIGEST SPIKE SAMPLE RECOVERY

SAMPLE NO.

| D088AA |

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG NO.: __1208__

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
Nickel	75 - 125	1676.57		1520.15		200.0	78.2		P

Comments: _____

_____

Form V (PART 2) - IN

ASP00

STL BUFFALO

NYS DEC
-6-
DUPLICATES

SAMPLE NO.

D088A/SD

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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

% Solids for Sample: 75.9   % Solids for Duplicate: 75.9

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

Analyte	Control Limit	Sample (S)	C	Duplicate (D)	C	RPD	Q	M
Nickel		462.3382		306.0768		40.7	*	P

Form VI - IN   ASP00

STL BUFFALO

NYS DEC

-7-

LABORATORY CONTROL SAMPLE

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.:   SDG NO.: 1208

Solid LCS Source: ERA 145

Aqueous LCS Source:

	Aqueous (ug/L)			Solid (mg/kg)					
Analyte	True	Found	%R	True	Found	C	Limits		%R
Nickel				72.7	69.70		59.3	86.1	95.9

STL BUFFALO

NYS DEC
-9-
ICP SERIAL DILUTIONS

SAMPLE NO.

D088AL

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

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
Nickel	1520.15		1742.00		14.6	E	P

Comments: _____

Form IX - IN   ASP00

STL BUFFALO

NYS DEC
-10-
INSTRUMENT DETECTION LIMITS (QUARTERLY)

Contract: <u>NY00-096</u>

Lab Code: <u>STLBFLO</u>   Case No.: <u>SH904</u>   SAS No.: <u>   </u>   SDG NO.: <u>1208</u>

ICP ID Number: <u>SUPERTRACE2</u>   Date: <u>9/22/2004</u>

Flame AA ID Number: <u>   </u>

Furnace AA ID Number: <u>   </u>

Analyte	Wave-length (nm)	Back-ground	CRDL (ug/L)	IDL (ug/L)	M
Nickel	231.604		40	0.7	P

Comments: <u>   </u>

<u>   </u>

<u>   </u>

STL BUFFALO

NYS DEC
-11A-
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: ___   SDG NO.: 1208

ICP ID Number: SUPERTRACE2   Date: 9/21/2004

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	B	Be
Aluminum	308.215	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.838	0.0000000	0.0000000	0.0000250	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	0.0000490	0.0000000	0.0000000
Calcium	317.90	0.0000000	0.0000000	0.0003540	0.0000000	0.0000000
Chromium	267.716	0.0000400	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	0.0000080	0.0000000	0.0000000
Iron	271.441	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.352	0.0004020	0.0000000	0.0000640	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	-0.0000400	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	-0.0003600	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	0.0000200	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	-0.0000500	0.0000000	0.0000000

Comments: _____

Form XI (PART 1) - IN   ASP00

STL BUFFALO

NYS DEC
-11B-
ICP INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

ICP ID Number: SUPERTRACE2   Date: 9/21/2004

Analyte	Wave-length (nm)	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	0.0063290	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	-0.0004100
Cobalt	228.616	0.0000000	0.0000000	-0.0004000	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	0.0001120	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	-0.0005300	0.0000000	0.0000000	0.0004420
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	0.0009550	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.: 1208

ICP ID Number: SUPERTRACE2   Date: 9/21/2004

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.: 1208

ICP ID Number: SUPERTRACE2   Date: 9/21/2004

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	308.215	0.0000000	0.0170340	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	0.0001790	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	0.0000180	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	0.0120740	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	-0.0002000	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.: 1208

ICP ID Number: SUPERTRACE2   Date: 9/22/2004

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	M
Nickel	15.00	25000	P

Comments: _____

_____

_____

Form XII - IN   ASP00

STL BUFFALO

NYS DEC

-13-

PREPARATION LOG

Contract: NY00-096

Lab Code: STLBFLO   Case No.: SH904   SAS No.: _____   SDG NO.: 1208

Method: P   Prep Method: _____

Sample ID	Preparation Date	Initial Weight (g)	Final Volume(mL)
LCS CLP Soils	12/9/2004	0.50	50.0
Method Blank	12/9/2004	0.50	50.0
D088A	12/9/2004	0.50	50.0
D088A/MS	12/9/2004	0.50	50.0
D088A/SD	12/9/2004	0.52	50.0
D088AA	12/9/2004	0.48	50.0
D088B	12/9/2004	0.56	50.0
D088C	12/9/2004	0.49	50.0
D088D	12/9/2004	0.46	50.0

Comments:

Form XIII - IN

ASP00

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG No.: __1208__

Instrument ID Number: __SUPERTRACE2__   Method: __P__

Start Date: __12/10/2004__   End Date: __12/10/2004__

Sample ID.	D/F	Time	% R	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	10:47																	X								
STD 1	1.00	10:52																	X								
STD 2	1.00	10:56																	X								
STD 3	1.00	11:00																	X								
STD 3 VER	1.00	11:05																	X								
ICV	1.00	11:09																	X								
ICB	1.00	11:14																	X								
CRI	1.00	11:18																	X								
ICSA	1.00	11:22																	X								
ICSAB	1.00	11:27																	X								
CCV	1.00	11:32																	X								
CCB	1.00	11:37																	X								
Method Blank	1.00	11:41																	X								
LCS CLP Soils	1.00	11:46																	X								
D088A	1.00	11:50																	X								
D088AL	5.00	11:54																	X								
D088AA	1.00	11:59																	X								
D088A/MS	1.00	12:03																	X								
D088A/SD	1.00	12:08																	X								
D088AA	1.00	12:12																	X								
D088B	1.00	12:16																	X								
D088C	1.00	12:21																	X								
CCV	1.00	12:26																	X								
CCB	1.00	12:31																	X								
D088D	1.00	12:35																	X								
ZZZZZZ	1.00	12:40																									
ZZZZZZ	1.00	12:44																									
ZZZZZZ	1.00	12:48																									
ZZZZZZ	5.00	12:53																									
ZZZZZZ	1.00	12:57																									
ZZZZZZ	1.00	13:02																									
ZZZZZZ	1.00	13:06																									
ZZZZZZ	1.00	13:10																									

* - 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.: __1208__

Instrument ID Number: __SUPERTRACE2__ Method: __P__

Start Date: __12/10/2004__ End Date: __12/10/2004__

Sample ID.	D/F	Time	% R	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	13:15																									
CCV	1.00	13:20																	X								
CCB	1.00	13:25																	X								
ZZZZZZ	1.00	13:29																									
ZZZZZZ	1.00	13:34																									
ZZZZZZ	1.00	13:38																									
ZZZZZZ	1.00	13:42																									
ZZZZZZ	1.00	13:47																									
ZZZZZZ	1.00	13:51																									
ZZZZZZ	1.00	13:56																									
ZZZZZZ	1.00	14:19																									
ZZZZZZ	1.00	14:23																									
ZZZZZZ	1.00	14:28																									
CCV	1.00	14:33																	X								
CCB	1.00	14:38																	X								
ZZZZZZ	1.00	14:42																									
ZZZZZZ	5.00	14:46																									
ZZZZZZ	1.00	14:51																									
ZZZZZZ	1.00	14:55																									
ZZZZZZ	1.00	15:00																									
ZZZZZZ	1.00	15:04																									
ZZZZZZ	1.00	15:08																									
ZZZZZZ	1.00	15:13																									
ZZZZZZ	1.00	15:17																									
ZZZZZZ	1.00	15:22																									
CCV	1.00	15:27																	X								
CCB	1.00	15:32																	X								
ZZZZZZ	1.00	15:36																									
ZZZZZZ	1.00	15:40																									
ZZZZZZ	1.00	15:45																									
ZZZZZZ	1.00	15:49																									
ZZZZZZ	1.00	15:54																									
ZZZZZZ	10.00	15:58																									

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

ASP00

STL BUFFALO

NYS DEC
-14-

ANALYSIS RUN LOG

Contract: __NY00-096__

Lab Code: __STLBFLO__   Case No.: __SH904__   SAS No.: _____   SDG No.: __1208__

Instrument ID Number: __SUPERTRACE2__   Method: __P__

Start Date: __12/10/2004__   End Date: __12/10/2004__

Sample ID.	D/F	Time	% R	A L	S B	A S	B A	B E	C D	C A	C R	C O	C U	F E	P B	M G	M N	H G	N I	K	S E	A G	N A	T L	V	Z N	C N
ZZZZZZ	10.00	16:02																									
ZZZZZZ	10.00	16:07																									
ZZZZZZ	1.00	16:11																									
ZZZZZZ	1.00	16:16																									
CCV	1.00	16:21																	X								
CCB	1.00	16:26																	X								
ZZZZZZ	1.00	16:38																									
ZZZZZZ	5.00	16:43																									
ZZZZZZ	1.00	16:47																									
ZZZZZZ	1.00	16:51																									
ZZZZZZ	1.00	16:56																									
ZZZZZZ	1.00	17:00																									
ZZZZZZ	1.00	17:05																									
CRI	1.00	17:10																	X								
ICSA	1.00	17:15																	X								
ICSAB	1.00	17:19																	X								
CCV	1.00	17:23																	X								
CCB	1.00	17:28																	X								

* - Denotes additional elements (other than the standard CLP elements) are represented on another Form 14

Form XIV - IN

ASP00

METALS RAW DATA

Analysis Report   12/11/04 11:20:26 AM   page 1

STL Buffalo   Analyst: _S_ Date: _12|11|04_ Secondary Review: _BKL_ Date: _12/13/04_
Spikes: MDL-6-26, MDL-7-26, 4-143-E, 4-143-F
Pippettes: 11/11/04-1,11/11/04-2,11/11/04-3,11/11/04-4,11/11/04-5,11/11/04-6,
           11/11/04-7,11/11/04-8,11/11/04-9,11/11/04-10,11/11/04-11

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	STD BLK 4-164-A	A121004	TRACE2	12/10/04	10:47		X	IR
2	STD 1 4-164-C	A121004	TRACE2	12/10/04	10:52		X	IR
3	STD 2 D	A121004	TRACE2	12/10/04	10:56		X	IR
4	STD 3 B	A121004	TRACE2	12/10/04	11:00		X	IR
5	STD 3 VER V	A121004	TRACE2	12/10/04	11:05	SW	B	CONC
6	ICV E	A121004	TRACE2	12/10/04	11:09	SW	Q	CONC
7	ICB 4-164-A	A121004	TRACE2	12/10/04	11:14	SW	B	CONC
8	CRI 4-167-A	A121004	TRACE2	12/10/04	11:18	SW	B	CONC
9	ICSA B	A121004	TRACE2	12/10/04	11:22	SW	Q	CONC
10	ICSAB C	A121004	TRACE2	12/10/04	11:27	SW	Q	CONC
11	CCV 4-164-F	A121004	TRACE2	12/10/04	11:32	SW	Q	CONC
12	CCB 4-164-A	A121004	TRACE2	12/10/04	11:37	SW	B	CONC
13	AD466618/PB	A121004	TRACE2	12/10/04	11:41	SW	S	CONC
14	AD466617/CLPSL	A121004	TRACE2	12/10/04	11:46	SW	S	CONC
15	AD466610 C233	A121004	TRACE2	12/10/04	11:50	SW	S	CONC
16	AD466610/L (1:5)	A121004	TRACE2	12/10/04	11:54	SW	S	CONC
17	AD466610/PS	A121004	TRACE2	12/10/04	11:59	SW	S	CONC
18	AD466611/MS	A121004	TRACE2	12/10/04	12:03	SW	S	CONC
19	AD466612/SD	A121004	TRACE2	12/10/04	12:08	SW	S	CONC
20	AD466613	A121004	TRACE2	12/10/04	12:12	SW	S	CONC
21	AD466614	A121004	TRACE2	12/10/04	12:16	SW	S	CONC
22	AD466615	A121004	TRACE2	12/10/04	12:21	SW	S	CONC
23	CCV	A121004	TRACE2	12/10/04	12:26	SW	Q	CONC
24	CCB	A121004	TRACE2	12/10/04	12:31	SW	B	CONC
25	AD466616	A121004	TRACE2	12/10/04	12:35	SW	S	CONC
26	AD466768/PB	A121004	TRACE2	12/10/04	12:40	SW	S	CONC
27	AD466767/FB	A121004	TRACE2	12/10/04	12:44	SW	S	CONC
28	AD466754 C249	A121004	TRACE2	12/10/04	12:48	SW	S	CONC
29	AD466754/L (1:5)	A121004	TRACE2	12/10/04	12:53	SW	S	CONC
30	AD466754/PS	A121004	TRACE2	12/10/04	12:57	SW	S	CONC
31	AD466755/MS	A121004	TRACE2	12/10/04	13:02	SW	S	CONC
32	AD466756/SD	A121004	TRACE2	12/10/04	13:06	SW	S	CONC
33	AD466757	A121004	TRACE2	12/10/04	13:10	SW	S	CONC
34	AD466758	A121004	TRACE2	12/10/04	13:15	SW	S	CONC
35	CCV	A121004	TRACE2	12/10/04	13:20	SW	Q	CONC
36	CCB	A121004	TRACE2	12/10/04	13:25	SW	B	CONC
37	AD466759	A121004	TRACE2	12/10/04	13:29	SW	S	CONC
38	AD466760	A121004	TRACE2	12/10/04	13:34	SW	S	CONC
39	AD466761	A121004	TRACE2	12/10/04	13:38	SW	S	CONC
40	AD466762	A121004	TRACE2	12/10/04	13:42	SW	S	CONC
41	AD466763	A121004	TRACE2	12/10/04	13:47	SW	S	CONC
42	AD466764	A121004	TRACE2	12/10/04	13:51	SW	S	CONC
43	AD466765	A121004	TRACE2	12/10/04	13:56	SW	S	CONC
44	AD466766	A121004	TRACE2	12/10/04	14:19	SW	S	CONC
45	AD466741/PB	A121004	TRACE2	12/10/04	14:23	SW	S	CONC
46	AD466740/FB	A121004	TRACE2	12/10/04	14:28	SW	S	CONC
47	CCV	A121004	TRACE2	12/10/04	14:33	SW	Q	CONC
48	CCB	A121004	TRACE2	12/10/04	14:38	SW	B	CONC
49	AD466727	A121004	TRACE2	12/10/04	14:42	SW	S	CONC

Analysis Report   Summary   12/11/04 11:20:26 AM   page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
50	AD466727/L (1:5) C249	A121004	TRACE2	12/10/04	14:46	SW	S	CONC
51	AD466727/PS	A121004	TRACE2	12/10/04	14:51	SW	S	CONC
52	AD466728/MS	A121004	TRACE2	12/10/04	14:55	SW	S	CONC
53	AD466729/SD	A121004	TRACE2	12/10/04	15:00	SW	S	CONC
54	AD466730	A121004	TRACE2	12/10/04	15:04	SW	S	CONC
55	AD466731	A121004	TRACE2	12/10/04	15:08	SW	S	CONC
56	AD466732	A121004	TRACE2	12/10/04	15:13	SW	S	CONC
57	AD466733	A121004	TRACE2	12/10/04	15:17	SW	S	CONC
58	AD466734	A121004	TRACE2	12/10/04	15:22	SW	S	CONC
59	CCV	A121004	TRACE2	12/10/04	15:27	SW	Q	CONC
60	CCB	A121004	TRACE2	12/10/04	15:32	SW	B	CONC
61	AD466735	A121004	TRACE2	12/10/04	15:36	SW	S	CONC
62	AD466736	A121004	TRACE2	12/10/04	15:40	SW	S	CONC
63	AD466737	A121004	TRACE2	12/10/04	15:45	SW	S	CONC
64	AD466738	A121004	TRACE2	12/10/04	15:49	SW	S	CONC
65	AD466739	A121004	TRACE2	12/10/04	15:54	SW	S	CONC
66	AD466312/(1:10) C110	A121004	TRACE2	12/10/04	15:58	SW	S	CONC
67	AD466320/(1:10) C178	A121004	TRACE2	12/10/04	16:02	SW	S	CONC
68	AD466323/(1:10)	A121004	TRACE2	12/10/04	16:07	SW	S	CONC
69	AD466800/PB	A121004	TRACE2	12/10/04	16:11	SW	S	CONC
70	AD466799/FB	A121004	TRACE2	12/10/04	16:16	SW	S	CONC
71	CCV	A121004	TRACE2	12/10/04	16:21	SW	Q	CONC
72	CCB	A121004	TRACE2	12/10/04	16:26	SW	B	CONC
73	AD466790 C202	A121004	TRACE2	12/10/04	16:38	SW	S	CONC
74	AD466790/L (1:5)	A121004	TRACE2	12/10/04	16:43	SW	S	CONC
75	AD466791/MS	A121004	TRACE2	12/10/04	16:47	SW	S	CONC
76	AD466792/SD	A121004	TRACE2	12/10/04	16:51	SW	S	CONC
77	AD466793	A121004	TRACE2	12/10/04	16:56	SW	S	CONC
78	AD466794/LCS	A121004	TRACE2	12/10/04	17:00	SW	S	CONC
79	AD466795/EBLK	A121004	TRACE2	12/10/04	17:05	SW	S	CONC
80	CRI	A121004	TRACE2	12/10/04	17:10	SW	B	CONC
81	ICSA	A121004	TRACE2	12/10/04	17:15	SW	Q	CONC
82	ICSAB	A121004	TRACE2	12/10/04	17:19	SW	Q	CONC
83	CCV	A121004	TRACE2	12/10/04	17:23	SW	Q	CONC
84	CCB	A121004	TRACE2	12/10/04	17:28	SW	B	CONC
85	STD BLK	A121004	TRACE2	12/10/04	17:38		X	IR
86	STD 1	A121004	TRACE2	12/10/04	17:43		X	IR
87	STD 2	A121004	TRACE2	12/10/04	17:47		X	IR
88	STD 3	A121004	TRACE2	12/10/04	17:51		X	IR
89	STD 3 VER	A121004	TRACE2	12/10/04	17:56	SW	B	CONC
90	ICV	A121004	TRACE2	12/10/04	18:00	SW	Q	CONC
91	ICB	A121004	TRACE2	12/10/04	18:05	SW	B	CONC
92	CRI	A121004	TRACE2	12/10/04	18:09	SW	B	CONC
93	ICSA	A121004	TRACE2	12/10/04	18:13	SW	Q	CONC
94	ICSAB	A121004	TRACE2	12/10/04	18:18	SW	Q	CONC
95	CCV	A121004	TRACE2	12/10/04	18:23	SW	Q	CONC
96	CCB	A121004	TRACE2	12/10/04	18:28	SW	B	CONC
97	AD466796 C210	A121004	TRACE2	12/10/04	18:32	SW	S	CONC
98	AD466796/L (1:5)	A121004	TRACE2	12/10/04	18:37	SW	S	CONC
99	AD466797/MS	A121004	TRACE2	12/10/04	18:41	SW	S	CONC
100	AD466798/SD	A121004	TRACE2	12/10/04	18:45	SW	S	CONC
101	AD466963/PB	A121004	TRACE2	12/10/04	18:50	SW	S	CONC
102	AD466962/FB	A121004	TRACE2	12/10/04	18:54	SW	S	CONC
103	AD466940 C255	A121004	TRACE2	12/10/04	18:59	SW	S	CONC

Analysis Report   Summary   12/11/04 11:20:26 AM   page 3

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
104	AD466941 *C257*	A121004	TRACE2	12/10/04	19:03	SW	S	CONC
105	AD466942	A121004	TRACE2	12/10/04	19:07	SW	S	CONC
106	AD466943	A121004	TRACE2	12/10/04	19:12	SW	S	CONC
107	CCV	A121004	TRACE2	12/10/04	19:18	SW	Q	CONC
108	CCB	A121004	TRACE2	12/10/04	19:22	SW	B	CONC
109	AD466944	A121004	TRACE2	12/10/04	19:26	SW	S	CONC
110	AD466945	A121004	TRACE2	12/10/04	19:31	SW	S	CONC
111	AD466945/L (1:5)	A121004	TRACE2	12/10/04	19:35	SW	S	CONC
112	AD466945/PS	A121004	TRACE2	12/10/04	19:40	SW	S	CONC
113	AD466946/MS	A121004	TRACE2	12/10/04	19:44	SW	S	CONC
114	AD466947/SD	A121004	TRACE2	12/10/04	19:48	SW	S	CONC.
115	AD466948	A121004	TRACE2	12/10/04	19:53	SW	S	CONC
116	AD466949 *C258*	A121004	TRACE2	12/10/04	19:57	SW	S	CONC
117	AD466950	A121004	TRACE2	12/10/04	20:02	SW	S	CONC
118	AD466951	A121004	TRACE2	12/10/04	20:06	SW	S	CONC
119	CCV	A121004	TRACE2	12/10/04	20:12	SW	Q	CONC
120	CCB	A121004	TRACE2	12/10/04	20:16	SW	B	CONC
121	AD466952	A121004	TRACE2	12/10/04	20:21	SW	S	CONC
122	AD466953	A121004	TRACE2	12/10/04	20:25	SW	S	CONC
123	AD466954	A121004	TRACE2	12/10/04	20:29	SW	S	CONC
124	AD466955	A121004	TRACE2	12/10/04	20:34	SW	S	CONC
125	AD466956 *C260*	A121004	TRACE2	12/10/04	20:38	SW	S	CONC
126	AD466957	A121004	TRACE2	12/10/04	20:43	SW	S	CONC
127	AD466958	A121004	TRACE2	12/10/04	20:47	SW	S	CONC
128	AD466959	A121004	TRACE2	12/10/04	20:51	SW	S	CONC
129	AD466960 *C268*	A121004	TRACE2	12/10/04	20:56	SW	S	CONC
130	AD466961 *C269*	A121004	TRACE2	12/10/04	21:00	SW	S	CONC
131	CCV	A121004	TRACE2	12/10/04	21:06	SW	Q	CONC
132	CCB	A121004	TRACE2	12/10/04	21:10	SW	B	CONC
133	AD466939/PB	A121004	TRACE2	12/10/04	21:15	SW	S	CONC
134	AD466938/FB	A121004	TRACE2	12/10/04	21:19	SW	S	CONC
135	AD466916 *C259*	A121004	TRACE2	12/10/04	21:24	SW	S	CONC
136	AD466917	A121004	TRACE2	12/10/04	21:28	SW	S	CONC
137	AD466918 *C261*	A121004	TRACE2	12/10/04	21:32	SW	S	CONC
138	AD466919	A121004	TRACE2	12/10/04	21:37	SW	S	CONC
139	AD466920	A121004	TRACE2	12/10/04	21:41	SW	S	CONC
140	AD466921	A121004	TRACE2	12/10/04	21:46	SW	S	CONC
141	AD466922	A121004	TRACE2	12/10/04	21:50	SW	S	CONC
142	AD466923	A121004	TRACE2	12/10/04	21:55	SW	S	CONC
143	CCV	A121004	TRACE2	12/10/04	22:00	SW	Q	CONC
144	CCB	A121004	TRACE2	12/10/04	22:05	SW	B	CONC
145	AD466924	A121004	TRACE2	12/10/04	22:09	SW	S	CONC
146	AD466925 *C263*	A121004	TRACE2	12/10/04	22:14	SW	S	CONC
147	AD466926	A121004	TRACE2	12/10/04	22:18	SW	S	CONC
148	AD466927	A121004	TRACE2	12/10/04	22:22	SW	S	CONC
149	AD466928	A121004	TRACE2	12/10/04	22:27	SW	S	CONC
150	AD466929	A121004	TRACE2	12/10/04	22:31	SW	S	CONC
151	AD466930	A121004	TRACE2	12/10/04	22:36	SW	S	CONC
152	AD466931 *C265*	A121004	TRACE2	12/10/04	22:40	SW	S	CONC
153	AD466932	A121004	TRACE2	12/10/04	22:44	SW	S	CONC
154	AD466933	A121004	TRACE2	12/10/04	22:49	SW	S	CONC
155	CCV	A121004	TRACE2	12/10/04	22:55	SW	Q	CONC
156	CCB	A121004	TRACE2	12/10/04	22:59	SW	B	CONC
157	AD466934	A121004	TRACE2	12/10/04	23:04	SW	S	CONC

Analysis Report   Summary   12/11/04 11:20:26 AM   page 4

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
158	AD466935 *C265*	A121004	TRACE2	12/10/04	23:08	SW	S	CONC
159	AD466935/L (1:5)	A121004	TRACE2	12/10/04	23:12	SW	S	CONC
160	AD466936/MS	A121004	TRACE2	12/10/04	23:17	SW	S	CONC
161	AD466937/SD	A121004	TRACE2	12/10/04	23:21	SW	S	CONC
162	AD466883/PB	A121004	TRACE2	12/10/04	23:26	SW	S	CONC
163	AD466882/FB	A121004	TRACE2	12/10/04	23:30	SW	S	CONC
164	AD466869 *C256*	A121004	TRACE2	12/10/04	23:34	SW	S	CONC
165	AD466870	A121004	TRACE2	12/10/04	23:39	SW	S	CONC
166	AD466871	A121004	TRACE2	12/10/04	23:43	SW	S	CONC
167	CCV	A121004	TRACE2	12/10/04	23:49	SW	Q	CONC
168	CCB	A121004	TRACE2	12/10/04	23:53	SW	B	CONC
169	STD BLK	A121004	TRACE2	12/11/04	00:04		X	IR
170	STD 1	A121004	TRACE2	12/11/04	00:08		X	IR
171	STD 2	A121004	TRACE2	12/11/04	00:13		X	IR
172	STD 3	A121004	TRACE2	12/11/04	00:17		X	IR
173	STD 3 VER	A121004	TRACE2	12/11/04	00:21	SW	B	CONC
174	ICV	A121004	TRACE2	12/11/04	00:26	SW	Q	CONC
175	ICB	A121004	TRACE2	12/11/04	00:30	SW	B	CONC
176	CRI	A121004	TRACE2	12/11/04	00:35	SW	B	CONC
177	ICSA	A121004	TRACE2	12/11/04	00:39	SW	Q	CONC
178	ICSAB	A121004	TRACE2	12/11/04	00:43	SW	Q	CONC
179	CCV	A121004	TRACE2	12/11/04	00:49	SW	Q	CONC
180	CCB	A121004	TRACE2	12/11/04	00:53	SW	B	CONC
181	AD466872	A121004	TRACE2	12/11/04	00:58	SW	S	CONC
182	AD466873	A121004	TRACE2	12/11/04	01:02	SW	S	CONC
183	AD466874	A121004	TRACE2	12/11/04	01:07	SW	S	CONC
184	AD466875	A121004	TRACE2	12/11/04	01:11	SW	S	CONC
185	AD466876	A121004	TRACE2	12/11/04	01:16	SW	S	CONC
186	AD466877 *C262*	A121004	TRACE2	12/11/04	01:20	SW	S	CONC
187	AD466878	A121004	TRACE2	12/11/04	01:24	SW	S	CONC
188	AD466879	A121004	TRACE2	12/11/04	01:29	SW	S	CONC
189	AD466879/L (1:5)	A121004	TRACE2	12/11/04	01:33	SW	S	CONC
190	AD466880/MS	A121004	TRACE2	12/11/04	01:38	SW	S	CONC
191	CCV	A121004	TRACE2	12/11/04	01:43	SW	Q	CONC
192	CCB	A121004	TRACE2	12/11/04	01:48	SW	B	CONC
193	AD466881/SD	A121004	TRACE2	12/11/04	01:52	SW	S	CONC
194	AD466902/PB	A121004	TRACE2	12/11/04	01:57	SW	S	CONC
195	AD466901/FB	A121004	TRACE2	12/11/04	02:01	SW	S	CONC
196	AD466884 *C252*	A121004	TRACE2	12/11/04	02:06	SW	S	CONC
197	AD466885	A121004	TRACE2	12/11/04	02:10	SW	S	CONC
198	AD466886	A121004	TRACE2	12/11/04	02:14	SW	S	CONC
199	AD466887	A121004	TRACE2	12/11/04	02:19	SW	S	CONC
200	AD466888	A121004	TRACE2	12/11/04	02:23	SW	S	CONC
201	AD466889	A121004	TRACE2	12/11/04	02:28	SW	S	CONC
202	AD466890	A121004	TRACE2	12/11/04	02:32	SW	S	CONC
203	CCV	A121004	TRACE2	12/11/04	02:38	SW	Q	CONC
204	CCB	A121004	TRACE2	12/11/04	02:42	SW	B	CONC
205	AD466891	A121004	TRACE2	12/11/04	02:47	SW	S	CONC
206	AD466892	A121004	TRACE2	12/11/04	02:51	SW	S	CONC
207	AD466893	A121004	TRACE2	12/11/04	02:56	SW	S	CONC
208	AD466894 *C255*	A121004	TRACE2	12/11/04	03:00	SW	S	CONC
209	AD466895 *C270*	A121004	TRACE2	12/11/04	03:04	SW	S	CONC
210	AD466896	A121004	TRACE2	12/11/04	03:09	SW	S	CONC
211	AD466897	A121004	TRACE2	12/11/04	03:13	SW	S	CONC

Analysis Report   Summary   12/11/04 11:20:26 AM   page 5

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
212	AD466898 *C270*	A121004	TRACE2	12/11/04	03:18	SW	S	CONC
213	AD466898/L (1:5)	A121004	TRACE2	12/11/04	03:22	SW	S	CONC
214	AD466899/MS	A121004	TRACE2	12/11/04	03:27	SW	S	CONC
215	CCV	A121004	TRACE2	12/11/04	03:32	SW	Q	CONC
216	CCB	A121004	TRACE2	12/11/04	03:37	SW	B	CONC
217	AD466900/SD	A121004	TRACE2	12/11/04	03:41	SW	S	CONC
218	AD466155/(1:10) *C124*	A121004	TRACE2	12/11/04	03:46	SW	S	CONC
219	AD466393/(1:5) *C174*	A121004	TRACE2	12/11/04	03:50	SW	S	CONC
220	AD466642/(1:5) *C230*	A121004	TRACE2	12/11/04	03:54	SW	S	CONC
221	AD466643/(1:5)	A121004	TRACE2	12/11/04	03:59	SW	S	CONC
222	AD466644/(1:5)	A121004	TRACE2	12/11/04	04:03	SW	S	CONC
223	AD466647/(1:5)	A121004	TRACE2	12/11/04	04:08	SW	S	CONC
224	AD466648/(1:5)	A121004	TRACE2	12/11/04	04:12	SW	S	CONC
225	AD466649/(1:5)	A121004	TRACE2	12/11/04	04:17	SW	S	CONC
226	AD466650/(1:5)	A121004	TRACE2	12/11/04	04:21	SW	S	CONC
227	CCV	A121004	TRACE2	12/11/04	04:27	SW	Q	CONC
228	CCB	A121004	TRACE2	12/11/04	04:31	SW	B	CONC
229	AD466651/(1:5)	A121004	TRACE2	12/11/04	04:36	SW	S	CONC
230	AD466629/(1:10) *C228*	A121004	TRACE2	12/11/04	04:40	SW	S	CONC
231	AD466628/(1:5) *C229*	A121004	TRACE2	12/11/04	04:44	SW	S	CONC
232	AD467013/PB	A121004	TRACE2	12/11/04	04:49	SW	S	CONC
233	AD467012/CLPSL	A121004	TRACE2	12/11/04	04:53	SW	S	CONC
234	AD467007 *C286*	A121004	TRACE2	12/11/04	04:58	SW	S	CONC
235	AD467007/L (1:5)	A121004	TRACE2	12/11/04	05:02	SW	S	CONC
236	AD467007/PS	A121004	TRACE2	12/11/04	05:07	SW	S	CONC
237	AD467008/MS	A121004	TRACE2	12/11/04	05:11	SW	S	CONC
238	AD467009/SD	A121004	TRACE2	12/11/04	05:15	SW	S	CONC
239	CCV	A121004	TRACE2	12/11/04	05:21	SW	Q	CONC
240	CCB	A121004	TRACE2	12/11/04	05:26	SW	B	CONC
241	AD467010	A121004	TRACE2	12/11/04	05:30	SW	S	CONC
242	AD467011	A121004	TRACE2	12/11/04	05:35	SW	S	CONC
243	CRI	A121004	TRACE2	12/11/04	05:40	SW	B	CONC
244	ICSA	A121004	TRACE2	12/11/04	05:45	SW	Q	CONC
245	ICSAB	A121004	TRACE2	12/11/04	05:49	SW	Q	CONC
246	CCV	A121004	TRACE2	12/11/04	05:53	SW	Q	CONC
247	CCB	A121004	TRACE2	12/11/04	05:58	SW	B	CONC

Analysis Report   Summary   12/11/04 11:19:45 AM   page 1

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	AD466155/(1:10)	A121004	TRACE2	12/11/04	03:46	SW	S	CONC
2	AD466312/(1:10)	A121004	TRACE2	12/10/04	15:58	SW	S	CONC
3	AD466320/(1:10)	A121004	TRACE2	12/10/04	16:02	SW	S	CONC
4	AD466323/(1:10)	A121004	TRACE2	12/10/04	16:07	SW	S	CONC
5	AD466393/(1:5)	A121004	TRACE2	12/11/04	03:50	SW	S	CONC
6	AD466610	A121004	TRACE2	12/10/04	11:50	SW	S	CONC
7	AD466610/L (1:5)	A121004	TRACE2	12/10/04	11:54	SW	S	CONC
8	AD466610/PS	A121004	TRACE2	12/10/04	11:59	SW	S	CONC
9	AD466611/MS	A121004	TRACE2	12/10/04	12:03	SW	S	CONC
10	AD466612/SD	A121004	TRACE2	12/10/04	12:08	SW	S	CONC
11	AD466613	A121004	TRACE2	12/10/04	12:12	SW	S	CONC
12	AD466614	A121004	TRACE2	12/10/04	12:16	SW	S	CONC
13	AD466615	A121004	TRACE2	12/10/04	12:21	SW	S	CONC
14	AD466616	A121004	TRACE2	12/10/04	12:35	SW	S	CONC
15	AD466617/CLPSL	A121004	TRACE2	12/10/04	11:46	SW	S	CONC
16	AD466618/PB	A121004	TRACE2	12/10/04	11:41	SW	S	CONC
17	AD466628/(1:5)	A121004	TRACE2	12/11/04	04:44	SW	S	CONC
18	AD466629/(1:10)	A121004	TRACE2	12/11/04	04:40	SW	S	CONC
19	AD466642/(1:5)	A121004	TRACE2	12/11/04	03:54	SW	S	CONC
20	AD466643/(1:5)	A121004	TRACE2	12/11/04	03:59	SW	S	CONC
21	AD466644/(1:5)	A121004	TRACE2	12/11/04	04:03	SW	S	CONC
22	AD466647/(1:5)	A121004	TRACE2	12/11/04	04:08	SW	S	CONC
23	AD466648/(1:5)	A121004	TRACE2	12/11/04	04:12	SW	S	CONC
24	AD466649/(1:5)	A121004	TRACE2	12/11/04	04:17	SW	S	CONC
25	AD466650/(1:5)	A121004	TRACE2	12/11/04	04:21	SW	S	CONC
26	AD466651/(1:5)	A121004	TRACE2	12/11/04	04:36	SW	S	CONC
27	AD466727	A121004	TRACE2	12/10/04	14:42	SW	S	CONC
28	AD466727/L (1:5)	A121004	TRACE2	12/10/04	14:46	SW	S	CONC
29	AD466727/PS	A121004	TRACE2	12/10/04	14:51	SW	S	CONC
30	AD466728/MS	A121004	TRACE2	12/10/04	14:55	SW	S	CONC
31	AD466729/SD	A121004	TRACE2	12/10/04	15:00	SW	S	CONC
32	AD466730	A121004	TRACE2	12/10/04	15:04	SW	S	CONC
33	AD466731	A121004	TRACE2	12/10/04	15:08	SW	S	CONC
34	AD466732	A121004	TRACE2	12/10/04	15:13	SW	S	CONC
35	AD466733	A121004	TRACE2	12/10/04	15:17	SW	S	CONC
36	AD466734	A121004	TRACE2	12/10/04	15:22	SW	S	CONC
37	AD466735	A121004	TRACE2	12/10/04	15:36	SW	S	CONC
38	AD466736	A121004	TRACE2	12/10/04	15:40	SW	S	CONC
39	AD466737	A121004	TRACE2	12/10/04	15:45	SW	S	CONC
40	AD466738	A121004	TRACE2	12/10/04	15:49	SW	S	CONC
41	AD466739	A121004	TRACE2	12/10/04	15:54	SW	S	CONC
42	AD466740/FB	A121004	TRACE2	12/10/04	14:28	SW	S	CONC
43	AD466741/PB	A121004	TRACE2	12/10/04	14:23	SW	S	CONC
44	AD466754	A121004	TRACE2	12/10/04	12:48	SW	S	CONC
45	AD466754/L (1:5)	A121004	TRACE2	12/10/04	12:53	SW	S	CONC
46	AD466754/PS	A121004	TRACE2	12/10/04	12:57	SW	S	CONC
47	AD466755/MS	A121004	TRACE2	12/10/04	13:02	SW	S	CONC
48	AD466756/SD	A121004	TRACE2	12/10/04	13:06	SW	S	CONC
49	AD466757	A121004	TRACE2	12/10/04	13:10	SW	S	CONC
50	AD466758	A121004	TRACE2	12/10/04	13:15	SW	S	CONC
51	AD466759	A121004	TRACE2	12/10/04	13:29	SW	S	CONC
52	AD466760	A121004	TRACE2	12/10/04	13:34	SW	S	CONC
53	AD466761	A121004	TRACE2	12/10/04	13:38	SW	S	CONC

Analysis Report   Summary   12/11/04 11:19:45 AM   page 2

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	AD466762	A121004	TRACE2	12/10/04	13:42	SW	S	CONC
55	AD466763	A121004	TRACE2	12/10/04	13:47	SW	S	CONC
56	AD466764	A121004	TRACE2	12/10/04	13:51	SW	S	CONC
57	AD466765	A121004	TRACE2	12/10/04	13:56	SW	S	CONC
58	AD466766	A121004	TRACE2	12/10/04	14:19	SW	S	CONC
59	AD466767/FB	A121004	TRACE2	12/10/04	12:44	SW	S	CONC
60	AD466768/PB	A121004	TRACE2	12/10/04	12:40	SW	S	CONC
61	AD466790	A121004	TRACE2	12/10/04	16:38	SW	S	CONC
62	AD466790/L (1:5)	A121004	TRACE2	12/10/04	16:43	SW	S	CONC
63	AD466791/MS	A121004	TRACE2	12/10/04	16:47	SW	S	CONC
64	AD466792/SD	A121004	TRACE2	12/10/04	16:51	SW	S	CONC
65	AD466793	A121004	TRACE2	12/10/04	16:56	SW	S	CONC
66	AD466794/LCS	A121004	TRACE2	12/10/04	17:00	SW	S	CONC
67	AD466795/EBLK	A121004	TRACE2	12/10/04	17:05	SW	S	CONC
68	AD466796	A121004	TRACE2	12/10/04	18:32	SW	S	CONC
69	AD466796/L (1:5)	A121004	TRACE2	12/10/04	18:37	SW	S	CONC
70	AD466797/MS	A121004	TRACE2	12/10/04	18:41	SW	S	CONC
71	AD466798/SD	A121004	TRACE2	12/10/04	18:45	SW	S	CONC
72	AD466799/FB	A121004	TRACE2	12/10/04	16:16	SW	S	CONC
73	AD466800/PB	A121004	TRACE2	12/10/04	16:11	SW	S	CONC
74	AD466869	A121004	TRACE2	12/10/04	23:34	SW	S	CONC
75	AD466870	A121004	TRACE2	12/10/04	23:39	SW	S	CONC
76	AD466871	A121004	TRACE2	12/10/04	23:43	SW	S	CONC
77	AD466872	A121004	TRACE2	12/11/04	00:58	SW	S	CONC
78	AD466873	A121004	TRACE2	12/11/04	01:02	SW	S	CONC
79	AD466874	A121004	TRACE2	12/11/04	01:07	SW	S	CONC
80	AD466875	A121004	TRACE2	12/11/04	01:11	SW	S	CONC
81	AD466876	A121004	TRACE2	12/11/04	01:16	SW	S	CONC
82	AD466877	A121004	TRACE2	12/11/04	01:20	SW	S	CONC
83	AD466878	A121004	TRACE2	12/11/04	01:24	SW	S	CONC
84	AD466879	A121004	TRACE2	12/11/04	01:29	SW	S	CONC
85	AD466879/L (1:5)	A121004	TRACE2	12/11/04	01:33	SW	S	CONC
86	AD466880/MS	A121004	TRACE2	12/11/04	01:38	SW	S	CONC
87	AD466881/SD	A121004	TRACE2	12/11/04	01:52	SW	S	CONC
88	AD466882/FB	A121004	TRACE2	12/10/04	23:30	SW	S	CONC
89	AD466883/PB	A121004	TRACE2	12/10/04	23:26	SW	S	CONC
90	AD466884	A121004	TRACE2	12/11/04	02:06	SW	S	CONC
91	AD466885	A121004	TRACE2	12/11/04	02:10	SW	S	CONC
92	AD466886	A121004	TRACE2	12/11/04	02:14	SW	S	CONC
93	AD466887	A121004	TRACE2	12/11/04	02:19	SW	S	CONC
94	AD466888	A121004	TRACE2	12/11/04	02:23	SW	S	CONC
95	AD466889	A121004	TRACE2	12/11/04	02:28	SW	S	CONC
96	AD466890	A121004	TRACE2	12/11/04	02:32	SW	S	CONC
97	AD466891	A121004	TRACE2	12/11/04	02:47	SW	S	CONC
98	AD466892	A121004	TRACE2	12/11/04	02:51	SW	S	CONC
99	AD466893	A121004	TRACE2	12/11/04	02:56	SW	S	CONC
100	AD466894	A121004	TRACE2	12/11/04	03:00	SW	S	CONC
101	AD466895	A121004	TRACE2	12/11/04	03:04	SW	S	CONC
102	AD466896	A121004	TRACE2	12/11/04	03:09	SW	S	CONC
103	AD466897	A121004	TRACE2	12/11/04	03:13	SW	S	CONC
104	AD466898	A121004	TRACE2	12/11/04	03:18	SW	S	CONC
105	AD466898/L (1:5)	A121004	TRACE2	12/11/04	03:22	SW	S	CONC
106	AD466899/MS	A121004	TRACE2	12/11/04	03:27	SW	S	CONC
107	AD466900/SD	A121004	TRACE2	12/11/04	03:41	SW	S	CONC

Analysis Report   Summary   12/11/04 11:19:45 AM   page 3

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
108	AD466901/FB	A121004	TRACE2	12/11/04	02:01	SW	S	CONC
109	AD466902/PB	A121004	TRACE2	12/11/04	01:57	SW	S	CONC
110	AD466916	A121004	TRACE2	12/10/04	21:24	SW	S	CONC
111	AD466917	A121004	TRACE2	12/10/04	21:28	SW	S	CONC
112	AD466918	A121004	TRACE2	12/10/04	21:32	SW	S	CONC
113	AD466919	A121004	TRACE2	12/10/04	21:37	SW	S	CONC
114	AD466920	A121004	TRACE2	12/10/04	21:41	SW	S	CONC
115	AD466921	A121004	TRACE2	12/10/04	21:46	SW	S	CONC
116	AD466922	A121004	TRACE2	12/10/04	21:50	SW	S	CONC
117	AD466923	A121004	TRACE2	12/10/04	21:55	SW	S	CONC
118	AD466924	A121004	TRACE2	12/10/04	22:09	SW	S	CONC
119	AD466925	A121004	TRACE2	12/10/04	22:14	SW	S	CONC
120	AD466926	A121004	TRACE2	12/10/04	22:18	SW	S	CONC
121	AD466927	A121004	TRACE2	12/10/04	22:22	SW	S	CONC
122	AD466928	A121004	TRACE2	12/10/04	22:27	SW	S	CONC
123	AD466929	A121004	TRACE2	12/10/04	22:31	SW	S	CONC
124	AD466930	A121004	TRACE2	12/10/04	22:36	SW	S	CONC
125	AD466931	A121004	TRACE2	12/10/04	22:40	SW	S	CONC
126	AD466932	A121004	TRACE2	12/10/04	22:44	SW	S	CONC
127	AD466933	A121004	TRACE2	12/10/04	22:49	SW	S	CONC
128	AD466934	A121004	TRACE2	12/10/04	23:04	SW	S	CONC
129	AD466935	A121004	TRACE2	12/10/04	23:08	SW	S	CONC
130	AD466935/L (1:5)	A121004	TRACE2	12/10/04	23:12	SW	S	CONC
131	AD466936/MS	A121004	TRACE2	12/10/04	23:17	SW	S	CONC
132	AD466937/SD	A121004	TRACE2	12/10/04	23:21	SW	S	CONC
133	AD466938/FB	A121004	TRACE2	12/10/04	21:19	SW	S	CONC
134	AD466939/PB	A121004	TRACE2	12/10/04	21:15	SW	S	CONC
135	AD466940	A121004	TRACE2	12/10/04	18:59	SW	S	CONC
136	AD466941	A121004	TRACE2	12/10/04	19:03	SW	S	CONC
137	AD466942	A121004	TRACE2	12/10/04	19:07	SW	S	CONC
138	AD466943	A121004	TRACE2	12/10/04	19:12	SW	S	CONC
139	AD466944	A121004	TRACE2	12/10/04	19:26	SW	S	CONC
140	AD466945	A121004	TRACE2	12/10/04	19:31	SW	S	CONC
141	AD466945/L (1:5)	A121004	TRACE2	12/10/04	19:35	SW	S	CONC
142	AD466945/PS	A121004	TRACE2	12/10/04	19:40	SW	S	CONC
143	AD466946/MS	A121004	TRACE2	12/10/04	19:44	SW	S	CONC
144	AD466947/SD	A121004	TRACE2	12/10/04	19:48	SW	S	CONC
145	AD466948	A121004	TRACE2	12/10/04	19:53	SW	S	CONC
146	AD466949	A121004	TRACE2	12/10/04	19:57	SW	S	CONC
147	AD466950	A121004	TRACE2	12/10/04	20:02	SW	S	CONC
148	AD466951	A121004	TRACE2	12/10/04	20:06	SW	S	CONC
149	AD466952	A121004	TRACE2	12/10/04	20:21	SW	S	CONC
150	AD466953	A121004	TRACE2	12/10/04	20:25	SW	S	CONC
151	AD466954	A121004	TRACE2	12/10/04	20:29	SW	S	CONC
152	AD466955	A121004	TRACE2	12/10/04	20:34	SW	S	CONC
153	AD466956	A121004	TRACE2	12/10/04	20:38	SW	S	CONC
154	AD466957	A121004	TRACE2	12/10/04	20:43	SW	S	CONC
155	AD466958	A121004	TRACE2	12/10/04	20:47	SW	S	CONC
156	AD466959	A121004	TRACE2	12/10/04	20:51	SW	S	CONC
157	AD466960	A121004	TRACE2	12/10/04	20:56	SW	S	CONC
158	AD466961	A121004	TRACE2	12/10/04	21:00	SW	S	CONC
159	AD466962/FB	A121004	TRACE2	12/10/04	18:54	SW	S	CONC
160	AD466963/PB	A121004	TRACE2	12/10/04	18:50	SW	S	CONC
161	AD467007	A121004	TRACE2	12/11/04	04:58	SW	S	CONC

Analysis Report   Summary   12/11/04 11:19:45 AM   page 4

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
162	AD467007/L (1:5)	A121004	TRACE2	12/11/04	05:02	SW	S	CONC
163	AD467007/PS	A121004	TRACE2	12/11/04	05:07	SW	S	CONC
164	AD467008/MS	A121004	TRACE2	12/11/04	05:11	SW	S	CONC
165	AD467009/SD	A121004	TRACE2	12/11/04	05:15	SW	S	CONC
166	AD467010	A121004	TRACE2	12/11/04	05:30	SW	S	CONC
167	AD467011	A121004	TRACE2	12/11/04	05:35	SW	S	CONC
168	AD467012/CLPSL	A121004	TRACE2	12/11/04	04:53	SW	S	CONC
169	AD467013/PB	A121004	TRACE2	12/11/04	04:49	SW	S	CONC

Analysis Report   Averages   12/11/04 11:19:45 AM   page 5

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
1	AD466155/(1:10)	.14824	.00051	.00549	.06069	.00002	1.8044
2	AD466312/(1:10)	-.00025	.00108	.01355	.02236	.00004	40.868
3	AD466320/(1:10)	.00445	.00088	.02281	.07330	.00002	29.675
4	AD466323/(1:10)	.49401	.00602	.09382	.31696	.00023	117.40
5	AD466393/(1:5)	.00999	.00079	.00587	.04227	.00002	40.220
6	AD466610	88.788	.09449	.06858	1.0941	.00703	131.36
7	AD466610/L (1:5)	19.872	.02263	.01588	.24312	.00159	30.598
8	AD466610/PS	97.257	.27519	.24794	1.2683	.18782	138.52
9	AD466611/MS	55.832	.14425	.04597	4.9221	.10175	45.870
10	AD466612/SD	50.804	.14597	.04967	5.4232	.09610	41.159
11	AD466613	52.012	.06574	.02857	1.3102	.00314	30.730
12	AD466614	74.420	.07005	.06041	.81986	.00406	59.885
13	AD466615	58.038	.09159	.05063	.77702	.00371	52.376
14	AD466616	58.725	.05830	.04611	.83162	.00312	24.550
15	AD466617/CLPSL	74.294	1.3449	.47107	1.4343	.64820	33.994
16	AD466618/PB	-.00091	-.00147	.00028	.00005	-.00003	.02635
17	AD466628/(1:5)	.00295	.00008	.05725	.00499	.00002	4.9526
18	AD466629/(1:10)	-.00431	-.00021	.00511	.00470	.00002	20.375
19	AD466642/(1:5)	-.00501	.00033	1.5130	.01548	.00005	12.684
20	AD466643/(1:5)	-.00023	.00432	.19409	.06270	.00004	37.819
21	AD466644/(1:5)	-.00086	.00313	.18557	.06031	.00001	36.455
22	AD466647/(1:5)	-.00455	-.00103	1.1700	.07123	.00002	31.477
23	AD466648/(1:5)	.00047	.00191	.35555	.12031	.00003	39.052
24	AD466649/(1:5)	.00182	.00047	.71936	.18337	.00001	33.337
25	AD466650/(1:5)	.01892	-.00027	1.3138	.04177	.00002	30.636
26	AD466651/(1:5)	.00431	.00150	1.2340	.13819	.00002	43.017
27	AD466727	.00170	.00012	2.4740	.60388	.00039	H397.65
28	AD466727/L (1:5)	.01169	.00115	.48008	.12080	.00016	88.178
29	AD466727/PS	10.728	.22443	2.6126	.78583	.20284	H391.39
30	AD466728/MS	2.1228	.04471	2.4122	2.5813	.04848	H387.88
31	AD466729/SD	2.1068	.04427	2.3854	2.5656	.04818	H383.92
32	AD466730	9.0934	.03802	.66428	.55430	.00215	H480.31
33	AD466731	.01229	.00973	.73193	.63162	.00006	160.40
34	AD466732	.01519	.00388	1.8187	.08675	.00009	68.106
35	AD466733	.65423	.04529	.54637	5.1494	.00079	H658.04
36	AD466734	.68752	.04573	.59279	.15750	.00086	H490.35
37	AD466735	.01252	.00083	1.9606	.01401	-.00003	15.365
38	AD466736	.00786	.01559	.50189	.25926	.00009	149.62
39	AD466737	.13617	.01448	.38224	.02743	.00021	199.48
40	AD466738	.04413	.10050	.29986	1.1324	.00018	297.70
41	AD466739	-.00218	-.00057	.00088	.00026	-.00002	.12650
42	AD466740/FB	10.685	.21192	.20179	.20710	.20892	10.467
43	AD466741/PB	.00099	.00073	.00045	.00001	.00000	.01428
44	AD466754	.16238	.00113	2.5180	.61935	.00039	H404.79
45	AD466754/L (1:5)	.04570	-.00048	.48939	.12457	.00012	90.434
46	AD466754/PS	10.746	.22065	2.6432	.79934	.19948	H399.30
47	AD466755/MS	2.1200	.04263	2.1944	2.3903	.04502	H357.50
48	AD466756/SD	2.2057	.04333	2.3186	2.4612	.04601	H374.62
49	AD466757	10.120	.05576	.66938	.59423	.00229	H495.54
50	AD466758	.10713	.00377	1.6971	.10753	.00008	55.854
51	AD466759	.03364	.01142	.73015	.63282	.00004	161.94
52	AD466760	.78197	.05583	.60736	5.5172	.00084	H705.77
53	AD466761	.75470	.05750	.58993	.16078	.00089	H489.82

Analysis Report   Averages   12/11/04 11:19:45 AM   page 6

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
54	AD466762	.58164	.00236	2.0164	.01641	.00003	16.219
55	AD466763	.51002	.01871	.51152	.28215	.00017	149.40
56	AD466764	.33724	.01487	.45963	.03748	.00027	241.48
57	AD466765	.05690	.13202	.30413	1.1627	.00017	H313.27
58	AD466766	-.00020	.00088	-.00009	.00063	-.00002	.07992
59	AD466767/FB	10.280	.20454	.19369	.19918	.20057	10.045
60	AD466768/PB	.01439	-.00108	.00019	.00020	.00001	.01077
61	AD466790	.32888	.01575	.08048	.70194	.00049	H318.51
62	AD466790/L (1:5)	.07925	.00273	.01717	.14637	.00012	71.747
63	AD466791/MS	8.8705	.18999	.23022	.77133	.16535	285.88
64	AD466792/SD	10.620	.22487	.27635	.92227	.19797	H334.88
65	AD466793	1.9665	.02342	.04305	.14089	.00126	152.60
66	AD466794/LCS	10.315	.21781	.24990	.21562	.20165	10.981
67	AD466795/EBLK	.01979	.00257	H.05543	H.01928	.00015	H1.0351
68	AD466796	.02938	.82923	.04245	.02116	-.00001	39.564
69	AD466796/L (1:5)	-.00516	.16927	.00832	.00443	-.00002	8.0575
70	AD466797/MS	10.416	1.0246	.23321	.21873	.19944	48.670
71	AD466798/SD	10.615	1.0465	.23746	.22337	.20335	49.781
72	AD466799/FB	10.553	.20728	.19635	.20291	.20292	10.307
73	AD466800/PB	-.00165	-.00012	.00019	.00006	-.00001	.02526
74	AD466869	.06955	.00345	.75605	.04116	-.00004	66.742
75	AD466870	.07406	.00339	.76964	.04171	-.00005	67.308
76	AD466871	.00821	.05016	.00785	.04906	.00001	60.936
77	AD466872	.01732	.02032	.02365	.05147	.00003	49.119
78	AD466873	.03541	.00132	.02898	.01022	-.00006	8.1993
79	AD466874	.02167	-.00004	.08167	.03223	.00000	43.939
80	AD466875	.01475	.00010	.00245	.00191	-.00004	4.2163
81	AD466876	.75167	.00024	.01220	.10450	.00012	9.4612
82	AD466877	-.00141	-.00005	.00705	.00205	-.00004	10.158
83	AD466878	-.00139	-.00018	.00372	.00287	-.00003	16.222
84	AD466879	.00031	.00047	.00310	.00346	-.00002	16.897
85	AD466879/L (1:5)	-.00695	.00040	-.00042	.00073	.00001	3.3983
86	AD466880/MS	10.575	.20620	.19935	.20757	.20171	26.977
87	AD466881/SD	10.496	.20603	.19685	.20609	.20261	26.699
88	AD466882/FB	10.695	.20959	.19708	.20337	.20308	10.312
89	AD466883/PB	-.00894	.00146	.00204	.00000	-.00005	-.00788
90	AD466884	.00415	.00043	2.2125	.22378	.00014	H358.45
91	AD466885	.00420	-.00052	2.5145	.42463	.00010	274.98
92	AD466886	.02366	.00211	.60943	.13480	.00003	126.24
93	AD466887	.10907	.00001	.16561	.00683	.00004	112.66
94	AD466888	.00573	.00084	.01534	.04526	.00001	116.84
95	AD466889	.00706	.00053	.14686	.04532	.00001	113.46
96	AD466890	-.00321	-.00042	.11566	.03978	.00001	82.160
97	AD466891	-.00574	.00151	.83693	.10660	.00012	284.59
98	AD466892	-.00346	.00079	2.0786	.12029	.00015	H369.82
99	AD466893	.05537	-.00038	.07215	.01483	-.00002	21.470
100	AD466894	-.00313	.00742	1.5964	.24005	.00000	98.572
101	AD466895	.00821	.00141	.44570	.02738	-.00001	22.613
102	AD466896	.04891	.00062	.38766	.02806	.00003	66.374
103	AD466897	.00922	.00021	.37708	.05155	-.00001	66.555
104	AD466898	.00581	.00090	.57113	.01487	.00001	103.95
105	AD466898/L (1:5)	-.00654	.00066	.11221	.00303	.00000	21.461
106	AD466899/MS	10.438	.20972	.74180	.21607	.20177	108.94
107	AD466900/SD	10.320	.20607	.73958	.21435	.19825	108.97

Analysis Report   Averages   12/11/04 11:19:45 AM   page 7

#	Sample Name	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
108	AD466901/FB	10.074	.19980	.19010	.19454	.19644	9.8413
109	AD466902/PB	-.00547	-.00061	-.00009	-.00002	-.00003	-.00125
110	AD466916	.02821	.06228	4.8818	.06498	.00002	8.4386
111	AD466917	.13547	.10495	7.7087	.90471	.00010	112.32
112	AD466918	.34769	.00238	.01316	.00686	-.00003	3.5105
113	AD466919	.29516	.00122	.01098	.00522	-.00003	9.1564
114	AD466920	.09455	.00275	.01481	.00360	.00000	12.495
115	AD466921	.66805	.00248	.00699	.01041	.00000	7.1108
116	AD466922	.42239	.00196	.02981	.01136	-.00001	14.781
117	AD466923	.17614	.00105	.00942	.00429	-.00001	9.9965
118	AD466924	.29720	.00304	.00912	.00782	-.00001	6.4722
119	AD466925	.14644	.03584	8.3943	.40885	.00009	211.47
120	AD466926	.00336	.00763	6.4005	.14367	.00030	H354.10
121	AD466927	.00990	.01046	8.8339	.33792	.00017	H387.20
122	AD466928	.18311	.04205	7.0860	.82141	.00005	155.20
123	AD466929	.59406	.07898	10.962	1.6350	.00017	207.93
124	AD466930	H548.40	.05067	7.9784	.71291	.00082	66.613
125	AD466931	-.00305	.00118	.01469	.00006	-.00006	.00583
126	AD466932	-.00557	.00156	.01235	.04667	.00004	90.524
127	AD466933	.02376	.00265	.01006	.12559	.00002	64.533
128	AD466934	.23755	.00079	.00750	.02600	.00004	55.316
129	AD466935	.02542	.00105	.00667	.01850	.00006	74.825
130	AD466935/L (1:5)	-.00339	.00119	.00288	.00366	.00001	15.429
131	AD466936/MS	10.578	.20548	.20050	.21761	.20267	83.409
132	AD466937/SD	10.778	.21343	.20310	.22307	.20728	86.546
133	AD466938/FB	10.467	.20463	.19916	.19894	.20263	10.130
134	AD466939/PB	.02650	.00043	.00415	-.00004	-.00003	-.00721
135	AD466940	.01495	.02083	1.6204	.31743	-.00001	100.67
136	AD466941	.03684	.00227	.01453	.04765	.00017	5.6583
137	AD466942	.13832	-.00012	.01050	.22281	.00049	21.257
138	AD466943	.20217	.00208	.03683	.04982	.00007	6.3831
139	AD466944	.38504	.00247	.03364	.10137	.00102	13.747
140	AD466945	.02493	.00206	.21225	.05264	-.00002	23.475
141	AD466945/L (1:5)	-.00408	.00318	.04259	.01070	-.00002	4.8096
142	AD466945/PS	10.586	.20853	.41249	.25562	.20491	33.107
143	AD466946/MS	10.392	.20609	.40102	.24839	.19988	32.744
144	AD466947/SD	10.418	.20712	.40130	.24789	.19997	32.752
145	AD466948	-.00781	.00095	.70905	.45574	.00000	54.914
146	AD466949	-.00580	.00159	.00078	.00008	-.00003	.04736
147	AD466950	.05451	.00144	.02127	.08927	.00005	146.76
148	AD466951	-.00829	.00072	.05138	.04653	.00005	170.43
149	AD466952	2.2306	.02150	.00776	.09813	.00033	113.94
150	AD466953	.17097	.00166	.07228	.18586	.00004	149.48
151	AD466954	.19846	.00128	.06733	.01729	.00034	H533.33
152	AD466955	.03489	.00209	.06964	.01935	.00025	H455.54
153	AD466956	.20433	.02082	8.2013	.31358	.00014	37.810
154	AD466957	.13975	.01903	13.150	.36573	.00009	43.579
155	AD466958	.32498	.04634	9.0890	.23771	.00015	42.686
156	AD466959	.48573	.02987	15.837	.23218	.00024	54.002
157	AD466960	.53421	.00837	1.9235	.14346	.00000	41.716
158	AD466961	.54455	.04395	3.1161	.32836	.00002	92.728
159	AD466962/FB	10.356	.20321	.19690	.19777	.20053	10.010
160	AD466963/PB	-.00646	.00127	.00107	-.00002	-.00003	-.00357
161	AD467007	37.757	.12588	.78929	1.1159	.00586	H747.94

```
Analysis Report      Averages              12/11/04 11:19:45 AM        page 8

  #  Sample Name            Al3082    As1890    B_2496    Ba4934    Be3130    Ca3179
 --- --------------------   -------   -------   -------   -------   -------   -------

 162 AD467007/L (1:5)        7.7269    .02750    .17008    .22733    .00132   201.44
 163 AD467007/PS            47.398     .32326    .96594   1.2989     .19141  H744.75
 164 AD467008/MS            36.559     .14259    .33235   4.7408     .09912  H912.97
 165 AD467009/SD            57.329     .14161    .55032   5.1055     .10017  H931.68
 166 AD467010               53.133     .08999    .13660    .63668    .00671   139.04
 167 AD467011               82.490     .10446    .19889    .86070    .00931  H386.32
 168 AD467012/CLPSL         73.782    1.3797     .47042   1.4694     .67122   35.274
 169 AD467013/PB            -.00299    .00089   -.00091    .00005   -.00001   .02103

  #  Sample Name            Cd2265    Co2286    Cr2677    Cu3247    Fe2714    K_7664
 --- --------------------   -------   -------   -------   -------   -------   -------

   1 AD466155/(1:10)        -.00010   -.00009    .00025    .00043    .09131   1.2839
   2 AD466312/(1:10)        -.00006    .00030    .00079   -.00009    .10060   2.2317
   3 AD466320/(1:10)        -.00010    .00163    .00411    .00042   2.0894    1.6424
   4 AD466323/(1:10)       L-.00198    .00639    .04184   -.00009  52.095    59.592
   5 AD466393/(1:5)          .00007   -.00002    .00032   -.00041    .02397   .49983
   6 AD466610              L-.00279    .10200   1.7382     .30807  178.34     6.5190
   7 AD466610/L (1:5)       -.00073    .02295    .39511    .06759   40.583    1.4361
   8 AD466610/PS             .17143    .28390   1.8937     .49900  175.60    16.018
   9 AD466611/MS             .09151   1.1163    3.3384     .80372  178.81     6.8430
  10 AD466612/SD             .08859   1.0571    2.3791     .77467  179.56     6.3122
  11 AD466613              L-.00379    .10449   1.8443     .24306  181.07     5.1618
  12 AD466614               -.00013    .12382   2.0255     .51020  170.90     8.4090
  13 AD466615               -.00048    .12981   2.8754     .50557  173.98     7.3295
  14 AD466616               -.00083    .12630   3.9647     .75861  133.55     7.1754
  15 AD466617/CLPSL         2.3062     .43567    .92344    .67139  112.51    20.737
  16 AD466618/PB            -.00002   -.00035    .00012    .00040    .00795   .04410
  17 AD466628/(1:5)          .00001   -.00014    .00015   -.00087  10.071     .93771
  18 AD466629/(1:10)        -.00017   -.00011    .00011   -.00094   1.1812    .37466
  19 AD466642/(1:5)         -.00017   -.00048    .00023   -.00094   -.00546   5.8269
  20 AD466643/(1:5)         -.00053    .00107    .00043   -.00061  11.965     4.4822
  21 AD466644/(1:5)         -.00053    .00071    .00038   -.00070  11.512     4.3302
  22 AD466647/(1:5)         -.00018    .00023    .00035   -.00085    .72267  11.641
  23 AD466648/(1:5)         -.00039    .00100    .00133   -.00106   6.1291   13.654
  24 AD466649/(1:5)         -.00048    .00132    .00070   -.00051   7.2587   25.614
  25 AD466650/(1:5)          .00005    .00004    .00036   -.00074    .06279  11.484
  26 AD466651/(1:5)         -.00039    .00086    .00131   -.00083   8.2481   22.269
  27 AD466727               -.00002    .00107    .00029    .00062   1.8818   82.577
  28 AD466727/L (1:5)       -.00004    .00001   -.00003    .00015    .39416  14.041
  29 AD466727/PS             .19800    .20447    .20187    .22310   2.2187   93.322
  30 AD466728/MS             .04727    .48977    .18849    .26664   2.7898   80.514
  31 AD466729/SD             .04684    .48753    .18801    .26428   2.7687   79.839
  32 AD466730              L-.00524    .02851    .16903    .00112  151.58    H360.51
  33 AD466731               -.00007    .00020    .00319   -.00011    .22463  26.627
  34 AD466732                .00001    .00044    .00045    .00100   1.0966   42.572
  35 AD466733              L-.01112    .01140    .05954    .00026  338.61    H143.23
  36 AD466734               -.00032    .00356    .08852    .00114   4.4339   H225.98
  37 AD466735               -.00008   -.00013    .00012    .00010    .14698  12.926
  38 AD466736               -.00006    .00040    .00162   -.00001    .11496  65.722
  39 AD466737               -.00009    .00052    .00257    .00007   2.6786   90.786
  40 AD466738              L-.00226    .00573    .01260    .00064  58.876    96.027
  41 AD466739               -.00006   -.00020    .00006   -.00016    .00482   .01258
  42 AD466740/FB             .20891    .20717    .20627    .20701    .42882  10.756
```

Analysis Report   Averages   12/11/04 11:19:45 AM   page 9

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
43	AD466741/PB	.00002	-.00025	-.00020	-.00063	.00199	-.00585
44	AD466754	-.00006	.00092	.00241	.00172	2.2817	83.808
45	AD466754/L (1:5)	.00000	.00022	.00091	.00053	.47887	14.310
46	AD466754/PS	.19484	.20197	.20105	.22215	2.5937	93.928
47	AD466755/MS	.04400	.45687	.17793	.24845	2.9114	73.462
48	AD466756/SD	.04529	.46654	.18200	.25532	3.0553	77.345
49	AD466757	L-.00553	.03007	.17957	.01817	158.76	H373.18
50	AD466758	-.00007	.00027	.00202	.00276	.84921	52.646
51	AD466759	-.00005	.00021	.00342	.00003	.65933	26.869
52	AD466760	L-.01257	.01315	.06660	.00225	372.16	H158.06
53	AD466761	-.00054	.00355	.08972	.00246	6.9806	H227.82
54	AD466762	-.00014	-.00005	.00065	.00004	.75026	13.532
55	AD466763	-.00014	.00052	.00356	.00048	.98875	67.172
56	AD466764	-.00012	.00109	.00576	.00435	3.4184	H110.30
57	AD466765	L-.00246	.00615	.01400	.00223	63.036	H100.83
58	AD466766	-.00006	-.00019	.00041	-.00067	.01559	.00499
59	AD466767/FB	.20083	.19950	.19807	.19925	.42184	10.413
60	AD466768/PB	-.00004	.00011	.00013	-.00002	.02186	-.00897
61	AD466790	.00077	.03573	.00309	.00540	1.7532	2.2147
62	AD466790/L (1:5)	.00019	.00741	.00074	.00099	.37227	.34223
63	AD466791/MS	.16599	.19276	.16215	.17419	1.8145	14.277
64	AD466792/SD	.19576	.22943	.19323	.20985	2.1749	17.383
65	AD466793	.01462	.64428	.03646	.00628	4.0914	3.6845
66	AD466794/LCS	.20627	.20023	.19672	.20534	.42588	H16.696
67	AD466795/EBLK	.00006	-.00012	.00068	.00290	.01408	H1.4657
68	AD466796	.00002	-.00005	-.00007	.01985	.01349	2.5692
69	AD466796/L (1:5)	-.00001	-.00043	-.00012	.00399	-.00388	.45598
70	AD466797/MS	.20215	.20076	.20078	.21940	.43537	13.944
71	AD466798/SD	.20604	.20383	.20439	.22385	.44061	14.176
72	AD466799/FB	.20749	.20518	.20420	.20185	.42806	H11.563
73	AD466800/PB	-.00003	-.00009	.00013	-.00002	.00679	.00451
74	AD466869	.00007	.00253	.00195	.02506	.07152	60.332
75	AD466870	.00018	.00251	.00201	.02500	.07316	61.388
76	AD466871	L-.00151	.00360	.00047	-.00041	36.182	6.9216
77	AD466872	-.00144	.00072	.00060	-.00012	34.924	7.6107
78	AD466873	.00002	.00065	.00038	.00125	.31158	3.2142
79	AD466874	.00029	.02512	.00054	.01180	.06234	11.009
80	AD466875	.00004	.00170	.00010	-.00002	.03634	1.1327
81	AD466876	.00030	.00263	.00037	.00075	.00811	1.8591
82	AD466877	-.00014	-.00036	.00010	-.00004	-.00353	.43921
83	AD466878	-.00011	-.00016	.00201	-.00014	-.00068	.64540
84	AD466879	-.00004	-.00023	.00302	-.00078	-.00649	.64617
85	AD466879/L (1:5)	-.00009	-.00034	.00054	-.00037	-.00494	.09365
86	AD466880/MS	.20484	.20096	.20500	.20165	.41102	12.194
87	AD466881/SD	.20567	.20193	.20591	.20245	.41909	12.103
88	AD466882/FB	.20634	.20245	.20359	.20317	.41123	H11.543
89	AD466883/PB	.00006	-.00009	-.00014	-.00055	-.00591	.00070
90	AD466884	.00045	.06467	.00680	.08748	.26912	39.150
91	AD466885	.00004	.05348	.00811	.12006	.03701	55.941
92	AD466886	-.00016	.01154	.00356	.00319	4.0688	20.900
93	AD466887	.00004	.00166	.00122	.00252	.19000	2.6705
94	AD466888	-.00012	.00011	.00085	-.00001	.12082	4.6158
95	AD466889	-.00013	.00043	.00075	.00154	2.4751	4.0385
96	AD466890	.00014	.00346	.00077	.00019	.31712	3.3121

Analysis Report   Averages   12/11/04 11:19:45 AM   page 10

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
97	AD466891	.00003	.01417	.00287	.00055	1.3419	4.7224
98	AD466892	.00059	.02726	.00437	.09431	.01811	15.282
99	AD466893	.00006	.00034	.00020	.00373	.14925	4.8891
100	AD466894	-.00003	.00338	.00391	.00097	.13334	93.243
101	AD466895	-.00014	.00015	.00014	.00020	.00644	.97147
102	AD466896	.00001	-.00002	.00030	.00131	.03392	1.6077
103	AD466897	.00000	.00003	.00049	.00141	.00530	2.5949
104	AD466898	-.00008	.00020	.00056	.00222	.00306	1.9587
105	AD466898/L (1:5)	-.00013	-.00020	.00009	-.00072	-.00464	.33576
106	AD466899/MS	.19769	.19765	.19628	.20683	.41268	13.271
107	AD466900/SD	.19461	.19445	.19204	.20268	.40476	13.143
108	AD466901/FB	.19668	.19354	.19378	.19549	.40584	10.083
109	AD466902/PB	.00002	-.00025	-.00006	-.00022	-.00293	-.00064
110	AD466916	.00008	.01484	.01930	.00370	2.0601	H217.34
111	AD466917	-.00028	.02658	.06417	.03681	7.9012	H322.14
112	AD466918	-.00004	.00003	.00023	.00018	.52889	.42380
113	AD466919	.00003	-.00020	.00031	.00090	.48181	1.3132
114	AD466920	.00000	-.00023	.00013	.00029	.16281	1.5096
115	AD466921	-.00003	.00028	.00110	.00096	.82847	.79521
116	AD466922	-.00005	.00024	.00056	.00215	.83877	1.6436
117	AD466923	-.00005	.00001	.00033	.00071	.40581	1.5013
118	AD466924	.00012	.00038	.00069	.00079	.34217	.86313
119	AD466925	-.00017	.00516	.00811	.00547	7.5874	75.596
120	AD466926	L-.00159	.00442	.00676	.00193	44.456	75.882
121	AD466927	L-.00164	.00075	.00622	.00108	43.426	34.470
122	AD466928	-.00065	.01888	.04432	.00438	23.663	H205.54
123	AD466929	-.00069	.03351	.08640	.01121	43.860	H298.89
124	AD466930	.00735	.03471	.35609	.12118	42.162	H360.29
125	AD466931	-.00004	-.00017	-.00028	-.00027	-.00820	.04743
126	AD466932	.00001	.00007	.00321	-.00072	.01610	2.1834
127	AD466933	-.00007	.00706	.00048	.00001	.15743	1.9892
128	AD466934	-.00008	.00059	.00117	-.00020	1.5029	2.1129
129	AD466935	.00005	.00021	.02729	.00020	.13229	1.6799
130	AD466935/L (1:5)	-.00002	-.00029	.00559	-.00037	.02089	.34219
131	AD466936/MS	.19942	.19570	.19923	.20096	.41653	12.254
132	AD466937/SD	.20323	.19979	.20890	.20566	.44219	12.474
133	AD466938/FB	.20325	.20052	.20041	.20064	.40907	10.500
134	AD466939/PB	-.00003	-.00043	-.00062	-.00025	-.01425	.01199
135	AD466940	-.00033	.00333	.00439	.00016	9.0846	94.769
136	AD466941	.00012	.00361	.00042	.00259	.01330	2.8976
137	AD466942	.00029	.02080	.00017	.00292	.00206	4.5897
138	AD466943	.00010	.00577	.00044	.00113	.13188	2.9721
139	AD466944	.00044	.05084	.00038	.00593	5.8977	4.2824
140	AD466945	.00009	.01414	.00100	.00112	.03982	11.827
141	AD466945/L (1:5)	.00003	.00270	.00011	.00003	-.00333	2.3088
142	AD466945/PS	.20000	.22110	.20869	.21325	.46242	22.285
143	AD466946/MS	.19963	.21164	.19809	.20051	.44960	21.920
144	AD466947/SD	.19950	.21145	.19849	.20005	.45542	21.831
145	AD466948	.00008	.01901	.00333	.00131	.34354	41.100
146	AD466949	.00002	-.00029	.00017	.00021	-.00275	-.01358
147	AD466950	.00000	.00029	.00086	.00203	2.2485	6.0653
148	AD466951	.00007	.00001	.00006	.00038	1.3262	3.3247
149	AD466952	.00711	.00034	.00393	.01531	.79308	1.1461
150	AD466953	.00196	.00053	.00144	.00100	.18907	3.7112

Analysis Report   Averages   12/11/04 11:19:45 AM   page 11

#	Sample Name	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	K_7664
151	AD466954	.00014	.00280	.00029	.00126	.39450	5.8695
152	AD466955	.00015	.00126	.00024	.00055	.63490	5.8110
153	AD466956	.00021	.04459	.08727	.00590	4.0946	H360.14
154	AD466957	.00021	.04836	.05690	.00337	5.1884	H398.39
155	AD466958	.00035	.03044	.10859	.00935	2.7623	H235.50
156	AD466959	.00080	.04094	.08156	.02823	3.2730	H281.97
157	AD466960	-.00015	.01044	.01663	.00957	6.8956	H200.58
158	AD466961	.00000	.01455	.18959	.00810	.96433	H220.11
159	AD466962/FB	.20206	.19885	.19922	.19902	.40965	10.445
160	AD466963/PB	.00012	-.00005	-.00032	.00015	.00618	-.00795
161	AD467007	L-.07693	.11084	7.2971	4.1240	H1918.2	3.1745
162	AD467007/L (1:5)	L-.01792	.02418	1.6103	.82674	428.03	.55857
163	AD467007/PS	.09477	.29095	7.3809	4.2642	H1898.1	14.882
164	AD467008/MS	.04841	.98062	5.3885	2.7613	H1025.8	4.1345
165	AD467009/SD	.03691	.98904	12.939	1.5665	H1250.9	4.2173
166	AD467010	L-.00427	.04666	.20153	.30269	241.63	4.7721
167	AD467011	L-.00829	.03384	.47785	.51447	248.74	6.9055
168	AD467012/CLPSL	2.3764	.43891	.93789	.70553	105.75	20.261
169	AD467013/PB	-.00011	-.00044	.00046	-.00089	-.00049	-.00099

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
1	AD466155/(1:10)	.19495	.02316	.00013	H110.57	-.00036	.00001
2	AD466312/(1:10)	6.5656	2.6896	-.00036	H144.92	.00019	.00186
3	AD466320/(1:10)	3.4361	3.2492	.00159	H136.27	.01357	-.00049
4	AD466323/(1:10)	20.180	3.6050	-.00096	H209.38	.01486	.00003
5	AD466393/(1:5)	10.941	.01486	.00034	30.919	.00032	-.00011
6	AD466610	30.384	5.6870	.21117	1.0277	1.5201	.48640
7	AD466610/L (1:5)	6.8564	1.2986	.04772	.14828	.34840	.11215
8	AD466610/PS	39.160	5.7644	.38382	10.106	1.6766	.65507
9	AD466611/MS	21.527	3.5314	.28574	.80917	3.5026	.42572
10	AD466612/SD	16.739	3.9437	.30264	.91369	2.4396	1.0787
11	AD466613	15.547	1.0888	.26611	1.7673	1.6345	.61925
12	AD466614	22.722	3.2448	.27857	1.1183	1.7632	.52330
13	AD466615	19.517	5.0769	.37510	.71282	2.3830	.52715
14	AD466616	16.489	3.4512	.18954	.82247	1.9515	.51562
15	AD466617/CLPSL	20.242	2.5341	.29139	3.8286	.69842	.74614
16	AD466618/PB	.00000	.00006	-.00034	.02115	-.00007	-.00030
17	AD466628/(1:5)	1.4631	.07985	-.00034	20.358	.00050	.00067
18	AD466629/(1:10)	5.0044	.03651	-.00022	1.8014	.00044	-.00067
19	AD466642/(1:5)	12.246	.00270	-.00068	38.324	-.00027	.00223
20	AD466643/(1:5)	10.412	.19877	.00058	22.742	.00236	-.00117
21	AD466644/(1:5)	10.033	.19126	.00017	21.944	.00214	-.00083
22	AD466647/(1:5)	19.103	.06854	-.00026	65.692	.00006	-.00014
23	AD466648/(1:5)	16.773	.14578	-.00055	55.038	.00234	-.00152
24	AD466649/(1:5)	28.465	.07319	-.00081	89.451	.00120	-.00009
25	AD466650/(1:5)	18.421	.07686	.00000	72.482	.00034	-.00043
26	AD466651/(1:5)	31.232	.15129	.00013	95.419	.00071	.00163
27	AD466727	71.253	.47579	.00315	H3769.1	.00246	-.00174
28	AD466727/L (1:5)	14.430	.09697	.00063	H779.35	.00046	.00117
29	AD466727/PS	78.655	.66237	.21033	H3645.6	.19910	.20245
30	AD466728/MS	69.126	.94496	.00337	H3677.5	.48188	.01924
31	AD466729/SD	68.383	.93856	.00245	H3641.3	.47967	.01688

Analysis Report   Averages   12/11/04 11:19:45 AM   page 12

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
32	AD466730	H120.13	12.548	.01373	H591.16	.08097	.00092
33	AD466731	34.166	.14461	.00033	H105.30	.00128	.00077
34	AD466732	12.841	.04993	.03392	H687.38	.00190	-.00097
35	AD466733	H139.07	H35.785	-.00418	H1830.4	.01614	.00017
36	AD466734	H208.36	6.4240	.00077	H4480.3	.01826	-.00029
37	AD466735	2.2801	.00659	.00877	H295.28	.00014	-.00033
38	AD466736	20.176	.47982	.00195	H1166.9	.00253	-.00041
39	AD466737	47.414	.31222	.00008	H3679.4	.00298	.00048
40	AD466738	46.008	4.6485	.00006	H544.90	.01370	-.00021
41	AD466739	.02711	.00031	-.00009	.15403	.00007	.00040
42	AD466740/FB	10.324	.20737	.20251	10.340	.20866	.20788
43	AD466741/PB	.00282	.00016	-.00053	-.00112	.00014	.00108
44	AD466754	72.480	.48864	.00309	H3836.5	.00384	.00077
45	AD466754/L (1:5)	14.726	.09977	.00040	H799.08	.00114	-.00118
46	AD466754/PS	79.751	.67162	.20780	H3716.3	.19649	.20015
47	AD466755/MS	63.237	.87842	.00324	H3379.2	.45094	.01943
48	AD466756/SD	66.486	.90824	.00271	H3542.4	.46075	.01903
49	AD466757	H125.31	12.806	.01741	H620.86	.08585	.00129
50	AD466758	13.468	.03837	.03316	H701.71	.00285	.00122
51	AD466759	34.198	.14863	.00060	H106.64	.00145	-.00021
52	AD466760	H153.74	H38.728	-.00477	H2037.4	.01838	-.00055
53	AD466761	H208.28	6.4344	.00339	H4529.6	.02009	.00296
54	AD466762	2.4636	.01161	.00907	H301.34	.00060	.00262
55	AD466763	20.887	.49508	.00130	H1183.5	.00381	.00110
56	AD466764	57.496	.39859	.00050	H4319.7	.00579	.00267
57	AD466765	48.616	4.9323	.00038	H544.95	.01470	.00149
58	AD466766	.01361	.00180	.00005	.25103	-.00016	.00148
59	AD466767/FB	9.9178	.19928	.19517	10.059	.20116	.20029
60	AD466768/PB	.00534	.00044	-.00013	-.02113	.00053	-.00027
61	AD466790	7.8922	11.216	-.00177	H1476.2	.02804	.00843
62	AD466790/L (1:5)	1.6921	2.4055	-.00096	H289.63	.00615	.00112
63	AD466791/MS	14.676	9.8875	.16293	H1292.7	.18569	.17178
64	AD466792/SD	17.418	11.723	.19519	H1542.6	.22062	.20179
65	AD466793	3.5985	7.0271	.00030	H1671.4	.03105	7.6676
66	AD466794/LCS	9.7895	.20070	.20151	H1608.4	.20194	.20593
67	AD466795/EBLK	.13129	.00240	.00010	H1641.9	.00160	.00100
68	AD466796	8.6861	.00437	.00049	23.352	.00043	.00078
69	AD466796/L (1:5)	1.7502	.00065	.00009	4.4592	-.00013	.00128
70	AD466797/MS	18.614	.20737	.19828	33.509	.20195	.20201
71	AD466798/SD	18.979	.21078	.20146	34.368	.20571	.20459
72	AD466799/FB	10.176	.20489	.20012	10.312	.20557	.20683
73	AD466800/PB	.00279	.00044	-.00037	.10009	.00015	-.00083
74	AD466869	14.562	.30063	.00747	64.633	.01619	.00240
75	AD466870	14.636	.29908	.00684	66.697	.01651	.00151
76	AD466871	16.314	1.8643	.00077	23.768	.00323	-.00063
77	AD466872	15.981	1.0975	-.00016	27.164	.00098	-.00279
78	AD466873	1.6920	.11368	.00026	15.278	.00384	-.00098
79	AD466874	7.2342	.97550	.00116	9.5755	.12005	-.00146
80	AD466875	.77644	.02018	-.00008	5.2587	.00563	.00092
81	AD466876	1.6269	.17645	-.00032	4.5922	.00339	.00090
82	AD466877	3.1250	.00048	-.00056	3.2178	-.00004	.00049
83	AD466878	9.3525	.00022	-.00050	5.1314	.00019	-.00169
84	AD466879	8.4113	.00014	-.00028	4.9822	.00004	-.00284
85	AD466879/L (1:5)	1.6711	-.00008	-.00043	.95082	-.00108	.00043

Analysis Report   Averages   12/11/04 11:19:45 AM   page 13

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
86	AD466880/MS	18.612	.20230	.19685	15.573	.20301	.20089
87	AD466881/SD	18.499	.20323	.19838	15.339	.20327	.20264
88	AD466882/FB	10.152	.20186	.19780	10.509	.20473	.20620
89	AD466883/PB	-.00384	-.00020	.00011	.02302	-.00050	.00088
90	AD466884	95.577	13.117	.00875	H509.80	.18971	.00103
91	AD466885	91.102	13.994	.03352	H683.05	.16246	.00965
92	AD466886	38.988	10.284	.00186	H162.55	.05208	.00054
93	AD466887	22.055	1.3190	.00058	45.577	.01045	-.00160
94	AD466888	22.836	1.4008	.01216	35.584	.00098	-.00059
95	AD466889	20.757	1.6450	.00143	45.272	.00741	-.00091
96	AD466890	33.214	2.3376	-.00075	44.206	.00701	-.00182
97	AD466891	65.370	13.174	.00836	H249.65	.08701	.00122
98	AD466892	87.806	11.859	.01902	H467.48	.13552	.00273
99	AD466893	3.7897	.06287	.00008	13.593	.00355	.00098
100	AD466894	77.003	.51361	.00030	H280.89	.04139	-.00103
101	AD466895	8.2649	.00652	.24914	82.133	.00041	.00093
102	AD466896	30.198	.00334	.06353	63.125	.00099	-.00086
103	AD466897	16.018	.00495	.13266	75.329	.00167	-.00212
104	AD466898	32.343	.00779	.20999	H173.31	.00097	-.00063
105	AD466898/L (1:5)	6.4585	.00152	.04221	31.695	-.00058	-.00020
106	AD466899/MS	41.103	.20809	.39702	H176.69	.19947	.19421
107	AD466900/SD	40.973	.20447	.39408	H177.22	.19609	.19324
108	AD466901/FB	9.6904	.19380	.18982	9.8275	.19604	.19642
109	AD466902/PB	-.00294	-.00002	.00014	-.08213	.00009	.00000
110	AD466916	10.845	.07759	.03319	H1053.0	.10849	.00234
111	AD466917	84.112	.77777	.05059	H1677.9	.17130	.00761
112	AD466918	.81407	.04069	.00005	4.3394	.00059	.00097
113	AD466919	1.9221	.04262	.00045	4.1453	.00026	.00219
114	AD466920	2.2264	.03597	.00074	2.9916	.00009	.00184
115	AD466921	1.7631	.06639	.00054	4.3127	.00149	.00162
116	AD466922	2.8677	.28312	.00022	4.9559	.00129	.00196
117	AD466923	2.0770	.02833	.00043	4.4116	.00035	.00162
118	AD466924	1.5855	.06676	.00042	3.4699	.00094	.00036
119	AD466925	H114.66	.94265	.00196	H337.75	.11147	-.00028
120	AD466926	H182.90	7.2689	-.00049	H730.08	.09249	-.00015
121	AD466927	H186.69	7.3902	-.00058	H418.22	.09777	-.00021
122	AD466928	H110.44	1.5580	.00408	H955.03	.17860	.00225
123	AD466929	H154.34	2.0688	.00997	H1624.2	.31313	.00512
124	AD466930	H119.44	.90136	.01418	H1684.9	.47047	.36569
125	AD466931	-.00133	.00020	.00022	.23921	-.00024	.00126
126	AD466932	50.932	.58922	-.00006	4.4637	.00439	-.00052
127	AD466933	30.304	.28749	.00089	1.7366	.02376	.00066
128	AD466934	30.980	.41289	.00043	2.0872	.00110	-.00033
129	AD466935	44.330	.01103	.00048	.71435	.01232	.00003
130	AD466935/L (1:5)	8.8106	.00202	.00008	.10159	.00221	.00111
131	AD466936/MS	53.979	.19999	.19582	11.114	.19747	.19879
132	AD466937/SD	55.989	.20471	.19956	11.063	.20137	.20214
133	AD466938/FB	10.031	.20051	.19583	10.128	.20198	.20248
134	AD466939/PB	-.00483	-.00023	.00018	-.04658	-.00043	.00081
135	AD466940	78.748	.53639	-.00010	H285.43	.04231	.00062
136	AD466941	2.3960	.02216	-.00005	6.9266	.00683	-.00018
137	AD466942	9.7217	.19898	-.00004	96.204	.04160	.00001
138	AD466943	2.8045	.06644	-.00028	7.3190	.01235	-.00096
139	AD466944	8.9126	1.0126	-.00018	13.448	.02041	.00203

Analysis Report   Averages   12/11/04 11:19:45 AM   page 14

#	Sample Name	Mg2790	Mn2576	Mo2020	Na3302	Ni2316	2203/1
140	AD466945	20.792	3.9462	-.00027	73.580	.00900	.00263
141	AD466945/L (1:5)	4.1869	.81086	.00023	14.067	.00167	.00112
142	AD466945/PS	30.737	4.0629	.19827	83.669	.21138	.20181
143	AD466946/MS	30.316	4.0374	.19475	82.967	.20783	.19973
144	AD466947/SD	30.341	4.0098	.19451	82.691	.20745	.19802
145	AD466948	35.804	12.072	-.00129	H614.61	.05580	.00165
146	AD466949	-.00078	.00074	.00001	-.08971	-.00037	.00123
147	AD466950	16.998	.31784	.00056	13.661	.00070	-.00127
148	AD466951	32.037	.23022	.00070	45.589	.00169	.00078
149	AD466952	18.606	.05004	.00031	23.491	.00282	.00570
150	AD466953	49.709	.04124	.00050	13.255	.00165	.00065
151	AD466954	H132.75	.17079	-.00027	17.761	.00877	.00144
152	AD466955	91.191	.28255	-.00004	15.340	.00367	-.00023
153	AD466956	H114.46	.14793	.02098	H1560.4	.29066	.01210
154	AD466957	H164.19	.16092	.00794	H1807.1	.47894	.00441
155	AD466958	41.656	.27407	.02822	H994.53	.17968	.01846
156	AD466959	71.212	.36270	.02253	H1197.2	.29881	.04539
157	AD466960	96.296	.11835	.00209	H964.74	.07698	.00680
158	AD466961	H117.75	.14080	.01263	H1141.8	.08322	.00343
159	AD466962/FB	9.9391	.19977	.19580	10.182	.20096	.20384
160	AD466963/PB	-.00185	-.00012	.00032	-.10134	.00031	.00073
161	AD467007	H205.69	H108.47	.13233	3.9970	.50878	1.9707
162	AD467007/L (1:5)	43.439	H37.228	.02843	.68403	.11446	.44254
163	AD467007/PS	H211.70	H108.43	.31407	14.334	.67805	2.1172
164	AD467008/MS	H736.05	H64.591	.10456	3.5562	1.1682	1.6944
165	AD467009/SD	H247.63	H104.35	.22944	2.9305	1.1120	3.1444
166	AD467010	17.398	5.5188	.01815	1.7815	.13492	3.9893
167	AD467011	26.326	12.793	.02207	1.8179	.15805	2.3485
168	AD467012/CLPSL	20.660	2.5322	.29784	3.8665	.72536	.74545
169	AD467013/PB	-.00483	.00026	-.00003	-.04878	-.00088	.00102

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
1	AD466155/(1:10)	.00031	.00021	.00151	-.00252	.00101	.00176
2	AD466312/(1:10)	.00124	.00145	.00068	-.00006	-.00063	.00135
3	AD466320/(1:10)	.00174	.00099	-.00138	-.00205	-.00302	-.00057
4	AD466323/(1:10)	.00054	.00037	.00340	.00142	.00426	.00297
5	AD466393/(1:5)	-.00026	-.00021	.00188	-.00103	.00360	.00103
6	AD466610	.48530	.48567	.00999	.00909	.00739	.01129
7	AD466610/L (1:5)	.11167	.11183	.00116	.00065	.00364	-.00006
8	AD466610/PS	.65950	.65802	.19298	.18775	.18822	.19537
9	AD466611/MS	.42581	.42578	.10824	.13147	.10032	.11220
10	AD466612/SD	1.0744	1.0758	.10326	.11462	.10167	.10405
11	AD466613	.61932	.61929	.00786	.00858	.00388	.00985
12	AD466614	.52757	.52615	.01143	.00958	.00514	.01457
13	AD466615	.52788	.52764	.01237	.01656	.01041	.01336
14	AD466616	.51913	.51796	.01085	.01618	.00750	.01253
15	AD466617/CLPSL	.74654	.74640	.81582	.77109	.80969	.81890
16	AD466618/PB	.00105	.00059	-.00103	-.00082	-.00566	.00127
17	AD466628/(1:5)	-.00021	.00008	.00108	-.00232	.00027	.00149
18	AD466629/(1:10)	-.00063	-.00064	.00139	-.00235	.00541	-.00062
19	AD466642/(1:5)	-.00079	.00021	.00125	-.00312	.00381	-.00002
20	AD466643/(1:5)	.00064	.00004	.00347	-.00243	.00338	.00351

Analysis Report   Averages   12/11/04 11:19:45 AM   page 15

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
21	AD466644/(1:5)	-.00055	-.00064	.00014	-.00345	-.00032	.00038
22	AD466647/(1:5)	.00006	.00000	.00164	-.00045	-.00095	.00295
23	AD466648/(1:5)	.00006	-.00046	.00142	-.00254	.00032	.00197
24	AD466649/(1:5)	.00127	.00082	.00063	-.00180	.00208	-.00009
25	AD466650/(1:5)	-.00052	-.00049	.00090	-.00199	.00068	.00100
26	AD466651/(1:5)	-.00055	.00017	.00119	-.00055	.00161	.00098
27	AD466727	.00037	-.00032	-.00147	.00006	.00013	-.00227
28	AD466727/L (1:5)	-.00092	-.00022	-.00276	.00131	-.00279	-.00275
29	AD466727/PS	.20286	.20273	.22525	.22640	.22342	.22617
30	AD466728/MS	.01987	.01966	.05279	.11126	.05422	.05208
31	AD466729/SD	.02129	.01982	.05343	.10866	.05460	.05284
32	AD466730	.00326	.00248	.01236	.00054	.02075	.00817
33	AD466731	-.00041	-.00002	.00044	.00103	.00468	-.00167
34	AD466732	.00001	-.00031	.00097	.00194	.00068	.00111
35	AD466733	.00605	.00409	.01797	-.00114	.03174	.01109
36	AD466734	.00290	.00183	.00425	.00263	.00749	.00264
37	AD466735	.00154	.00092	-.00016	-.00010	.00251	-.00150
38	AD466736	.00087	.00044	-.00190	-.00042	-.00263	-.00153
39	AD466737	.00031	.00036	.00092	.00250	.00816	-.00268
40	AD466738	.00135	.00082	.00076	.00093	-.00190	.00210
41	AD466739	.00031	.00034	-.00207	.00079	-.00313	-.00153
42	AD466740/FB	.20882	.20851	.20780	.21216	.20730	.20805
43	AD466741/PB	.00034	.00059	.00094	-.00105	.00429	-.00073
44	AD466754	.00171	.00140	.00038	.00286	.00619	-.00251
45	AD466754/L (1:5)	.00240	.00120	-.00164	-.00017	-.00531	.00019
46	AD466754/PS	.20211	.20146	.22069	.22451	.21992	.22108
47	AD466755/MS	.01958	.01953	.05058	.10150	.05420	.04877
48	AD466756/SD	.02026	.01985	.05161	.10679	.05461	.05011
49	AD466757	.00692	.00504	.01037	.00098	.01705	.00702
50	AD466758	.00048	.00073	.00077	.00169	-.00033	.00133
51	AD466759	.00070	.00039	-.00103	.00130	-.00229	-.00039
52	AD466760	.00562	.00356	.01676	-.00119	.03278	.00875
53	AD466761	.00086	.00156	.00586	.00297	.01217	.00271
54	AD466762	-.00079	.00033	-.00102	.00126	.00349	-.00327
55	AD466763	-.00131	-.00050	-.00006	.00141	.00282	-.00150
56	AD466764	.00076	.00139	-.00004	.00145	.00319	-.00167
57	AD466765	.00040	.00076	.00468	.00245	.00895	.00254
58	AD466766	.00048	.00081	.00012	.00117	.00186	-.00074
59	AD466767/FB	.20142	.20104	.20175	.20306	.20105	.20210
60	AD466768/PB	.00136	.00081	.00002	-.00064	.00461	-.00226
61	AD466790	.00966	.00925	.00557	-.00036	.00770	.00451
62	AD466790/L (1:5)	.00196	.00168	.00060	-.00012	.00075	.00052
63	AD466791/MS	.17285	.17250	.17870	.17445	.17936	.17837
64	AD466792/SD	.20398	.20325	.21017	.20803	.21209	.20921
65	AD466793	7.7332	7.7113	.00606	.01399	.00998	.00410
66	AD466794/LCS	.20401	.20465	.21069	.21325	.21459	.20875
67	AD466795/EBLK	.00212	.00175	.00047	-.00038	.00095	.00023
68	AD466796	.00023	.00041	-.00081	.00332	-.00067	-.00088
69	AD466796/L (1:5)	.00073	.00091	.00010	.00017	-.00168	.00099
70	AD466797/MS	.20249	.20233	.20209	.20964	.19935	.20346
71	AD466798/SD	.20670	.20600	.20396	.21101	.20454	.20367
72	AD466799/FB	.20596	.20625	.20409	.20848	.20510	.20358
73	AD466800/PB	.00122	.00053	-.00100	-.00022	-.00023	-.00139
74	AD466869	.00073	.00128	.00098	.00719	.00065	.00115

Analysis Report   Averages   12/11/04 11:19:45 AM   page 16

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
75	AD466870	.00176	.00168	.00186	.00395	.00460	.00050
76	AD466871	.00001	-.00020	.00358	.00081	.00380	.00347
77	AD466872	.00100	-.00025	.00407	-.00253	.00546	.00338
78	AD466873	.00210	.00107	.00048	-.00135	-.00135	.00141
79	AD466874	.00190	.00078	.00059	-.00406	.00108	.00035
80	AD466875	-.00066	-.00013	.00017	-.00078	.00398	-.00172
81	AD466876	.00040	.00057	.00130	-.00205	.00307	.00042
82	AD466877	.00035	.00040	.00152	-.00232	.00368	.00045
83	AD466878	.00189	.00069	.00177	-.00198	.00293	.00119
84	AD466879	.00034	-.00071	-.00008	-.00276	-.00279	.00127
85	AD466879/L (1:5)	-.00003	.00011	.00097	-.00309	.00312	-.00009
86	AD466880/MS	.20454	.20332	.19964	.19538	.20078	.19908
87	AD466881/SD	.20583	.20477	.20358	.19439	.20566	.20254
88	AD466882/FB	.20637	.20631	.20104	.19560	.20369	.19972
89	AD466883/PB	-.00015	.00019	.00054	.00196	.00103	.00030
90	AD466884	.00213	.00176	.00753	-.00141	.00906	.00677
91	AD466885	.01128	.01074	.00886	-.00175	.01299	.00679
92	AD466886	.00203	.00153	.00722	-.00115	.00838	.00664
93	AD466887	.00218	.00092	.00227	-.00089	.00241	.00219
94	AD466888	.00020	-.00006	.00161	-.00044	.00335	.00074
95	AD466889	-.00072	-.00078	.00361	-.00209	.00211	.00436
96	AD466890	.00131	.00026	.00101	-.00161	.00044	.00130
97	AD466891	.00110	.00114	.00740	-.00170	.01049	.00586
98	AD466892	.00179	.00211	.00783	-.00036	.01060	.00644
99	AD466893	.00035	.00056	.00018	-.00198	.00551	-.00248
100	AD466894	.00045	-.00003	.00242	-.00066	.00465	.00130
101	AD466895	-.00050	-.00002	.00080	-.00046	.00337	-.00047
102	AD466896	.00006	-.00024	-.00027	-.00131	.00199	-.00140
103	AD466897	.00108	.00001	-.00103	-.00213	-.00206	-.00051
104	AD466898	.00063	.00020	-.00075	-.00220	-.00003	-.00110
105	AD466898/L (1:5)	-.00010	-.00013	.00155	-.00178	-.00018	.00241
106	AD466899/MS	.20106	.19878	.20113	.20788	.20201	.20070
107	AD466900/SD	.19628	.19526	.19812	.20728	.19875	.19781
108	AD466901/FB	.19669	.19660	.19251	.19914	.19280	.19236
109	AD466902/PB	.00095	.00063	.00190	.00437	.00340	.00116
110	AD466916	.00114	.00154	.00142	.01937	.00295	.00065
111	AD466917	.00612	.00662	.00472	.01686	.00968	.00224
112	AD466918	-.00089	-.00026	.00162	.00092	.00416	.00034
113	AD466919	-.00141	-.00021	.00069	.00321	.00552	-.00171
114	AD466920	-.00120	-.00019	.00113	.00074	.00517	-.00089
115	AD466921	.00032	.00075	.00326	.00195	.00683	.00147
116	AD466922	.00048	.00098	-.00052	.00165	.00249	-.00203
117	AD466923	-.00024	.00038	.00086	-.00054	.00422	-.00080
118	AD466924	.00027	.00030	.00138	.00229	.00501	-.00042
119	AD466925	-.00003	-.00011	.00562	.00249	.00635	.00525
120	AD466926	.00062	.00036	.00580	.00184	.00771	.00484
121	AD466927	.00111	.00066	.00567	.00373	.00992	.00355
122	AD466928	.00049	.00108	.00103	.00625	.00453	-.00071
123	AD466929	.00370	.00418	.00505	.00887	.01205	.00155
124	AD466930	.35093	.35585	.00231	.04257	.00728	-.00016
125	AD466931	-.00030	.00021	-.00189	.00088	-.00075	-.00246
126	AD466932	-.00050	-.00051	.00176	.00013	.00296	.00115
127	AD466933	.00104	.00091	-.00059	-.00053	-.00240	.00030
128	AD466934	.00100	.00056	.00027	.00074	-.00044	.00063

```
Analysis Report      Averages           12/11/04 11:19:45 AM        page 17
```

#	Sample Name	2203/2	PB2203	SE1960	Sb2068	1960/1	1960/2
129	AD466935	-.00034	-.00022	.00100	.00205	.00325	-.00012
130	AD466935/L (1:5)	.00030	.00057	.00155	.00126	.00237	.00114
131	AD466936/MS	.19905	.19896	.20091	.20581	.19871	.20201
132	AD466937/SD	.20479	.20391	.20400	.20885	.20330	.20436
133	AD466938/FB	.20210	.20223	.19998	.20435	.20056	.19969
134	AD466939/PB	-.00074	-.00022	-.00047	.00332	.00353	-.00248
135	AD466940	-.00077	-.00030	.00070	.00089	.00331	-.00059
136	AD466941	-.00037	-.00031	.00002	.00052	.00099	-.00045
137	AD466942	-.00017	-.00011	.00275	.00192	.00492	.00167
138	AD466943	.00025	-.00015	.00010	.00268	.00044	-.00006
139	AD466944	.00151	.00168	.00218	.00176	.00478	.00087
140	AD466945	-.00087	.00029	.00184	.00069	.00377	.00088
141	AD466945/L (1:5)	.00018	.00050	.00312	.00183	.00251	.00343
142	AD466945/PS	.20452	.20361	.20925	.20984	.21164	.20806
143	AD466946/MS	.19820	.19871	.19907	.20460	.20294	.19713
144	AD466947/SD	.19900	.19867	.20094	.20066	.20251	.20016
145	AD466948	.00150	.00155	.00780	.00337	.00831	.00755
146	AD466949	-.00022	.00026	.00037	.00045	.00165	-.00027
147	AD466950	-.00070	-.00089	-.00019	.00097	.00191	-.00125
148	AD466951	-.00001	.00025	.00026	.00240	.00207	-.00064
149	AD466952	.00469	.00503	.00136	.00270	.00528	-.00059
150	AD466953	.00132	.00110	-.00066	.00075	.00078	-.00138
151	AD466954	.00030	.00068	.00204	.00220	.00407	.00102
152	AD466955	.00077	.00044	.00157	.00005	.00043	.00213
153	AD466956	.00999	.01069	.00129	.00572	.00692	-.00152
154	AD466957	.00395	.00410	.00193	.00687	.00797	-.00109
155	AD466958	.01505	.01618	.00112	.00828	.00750	-.00207
156	AD466959	.04198	.04312	.00271	.01202	.00678	.00068
157	AD466960	.00579	.00612	-.00068	.00156	.00396	-.00300
158	AD466961	.00176	.00231	.00058	.01472	.00520	-.00172
159	AD466962/FB	.20068	.20173	.19616	.20223	.19858	.19495
160	AD466963/PB	-.00067	-.00020	.00175	.00477	.00585	-.00028
161	AD467007	2.0300	2.0102	.08552	.02647	.12150	.06753
162	AD467007/L (1:5)	.45592	.45147	.03408	.00490	.03427	.03399
163	AD467007/PS	2.1629	2.1476	.27235	.22569	.31180	.25262
164	AD467008/MS	1.7268	1.7160	.13510	.11279	.15502	.12514
165	AD467009/SD	3.2092	3.1876	.26215	.13314	.28699	.24974
166	AD467010	4.0424	4.0247	.01644	.00812	.01526	.01703
167	AD467011	2.3857	2.3733	.01925	.00638	.02265	.01756
168	AD467012/CLPSL	.75312	.75057	.83204	.73869	.82787	.83414
169	AD467013/PB	.00082	.00089	.00040	-.00134	-.00130	.00125

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
1	AD466155/(1:10)	.00382	-.00183	.00031	.00648	-.00119	-.00033
2	AD466312/(1:10)	.00045	-.00223	.00003	.00025	.00122	.00074
3	AD466320/(1:10)	.00115	-.00403	.00197	.00016	.00036	.00039
4	AD466323/(1:10)	.09209	.00567	.03088	.00213	.00380	.00077
5	AD466393/(1:5)	.00057	-.00086	.00028	.00042	-.00070	-.00033
6	AD466610	.80310	.03534	.17018	1.4993	.08003	.00120
7	AD466610/L (1:5)	.18531	.00483	.03831	.34813	.01794	.00036
8	AD466610/PS	.97625	.21464	.34958	1.6515	.26267	.04753
9	AD466611/MS	1.1364	.12607	1.2065	2.2636	.06361	.09904

Analysis Report   Averages   12/11/04 11:19:45 AM   page 18

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
10	AD466612/SD	.72411	.12183	1.1575	2.7327	.10927	.09398
11	AD466613	.67297	.03391	.18652	1.4251	.07020	.00105
12	AD466614	1.0917	.02921	.21138	1.9133	.07701	.00115
13	AD466615	1.1199	.02807	.21768	1.7562	.14153	.00163
14	AD466616	1.0298	.02250	.20258	1.2924	.10828	.00127
15	AD466617/CLPSL	3.8514	1.2509	1.0439	1.2994	.62795	1.2956
16	AD466618/PB	.00030	-.00315	.00009	.00112	H.06784	.00009
17	AD466628/(1:5)	.00044	.00126	.00083	.05024	-.00037	-.00008
18	AD466629/(1:10)	.00030	-.00154	.00014	.00045	-.00086	-.00021
19	AD466642/(1:5)	.00023	-.00052	.00010	-.00034	-.00184	-.00025
20	AD466643/(1:5)	.00057	.00151	.00052	.00038	-.00223	-.00029
21	AD466644/(1:5)	.00035	.00148	.00045	.00029	-.00143	-.00033
22	AD466647/(1:5)	.00029	-.00056	.00015	-.00006	-.00132	-.00045
23	AD466648/(1:5)	.00057	.00035	.00059	.00007	-.00076	.00019
24	AD466649/(1:5)	.00056	.00005	.00032	.02641	-.00043	-.00062
25	AD466650/(1:5)	.00067	-.00170	.00031	.00037	-.00137	-.00007
26	AD466651/(1:5)	.00110	.00037	.00059	-.00006	.00000	.00000
27	AD466727	-.00046	-.00185	-.00025	.00099	.00126	-.00002
28	AD466727/L (1:5)	.00012	-.00207	-.00003	.00019	.00156	.00004
29	AD466727/PS	.20319	.20412	.20463	.20167	.21665	.05670
30	AD466728/MS	-.00044	.04665	.50012	.47771	.00201	.05428
31	AD466729/SD	-.00082	.04547	.49734	.47539	.00131	.05367
32	AD466730	.58112	.01364	.09816	.62494	.01696	.00236
33	AD466731	.01028	-.00301	.00329	.00076	.00000	.00036
34	AD466732	.00000	-.00369	.00079	.00100	.00132	.00021
35	AD466733	.32588	.04133	.06585	.00871	.01076	.00420
36	AD466734	.86855	-.00655	.11647	.00196	.01153	.00210
37	AD466735	-.00019	-.00174	.00000	.00111	.00032	-.00045
38	AD466736	.00148	-.00396	.00692	.00390	.00084	-.00025
39	AD466737	.00213	-.00064	.00590	.00016	.00472	.00088
40	AD466738	.02698	.00750	.01406	.00353	.00301	.00085
41	AD466739	-.00017	-.00300	-.00004	.00055	.00049	.00035
42	AD466740/FB	.19904	.21383	.20801	.20361	.21062	.05108
43	AD466741/PB	-.00013	-.00308	-.00007	.00017	.00043	.00008
44	AD466754	.00181	-.00331	.00009	.00681	.00242	-.00015
45	AD466754/L (1:5)	.00063	-.00090	.00028	.00131	.00156	.00004
46	AD466754/PS	.20268	.20440	.20184	.20387	.21364	.05649
47	AD466755/MS	.00176	.04625	.46741	.45180	.00385	.05128
48	AD466756/SD	.00215	.04600	.47679	.46126	.00285	.05221
49	AD466757	.65281	.01348	.10713	.71623	.02088	.00198
50	AD466758	.00309	-.00215	.00110	.00307	.00169	.00022
51	AD466759	.01198	-.00399	.00343	.00300	.00076	.00014
52	AD466760	.41964	.04628	.07742	.01281	.01210	.00477
53	AD466761	.99176	-.00881	.12329	.02061	.01341	.00187
54	AD466762	.01755	-.00196	.00062	.00148	.00079	.00004
55	AD466763	.01699	-.00283	.00806	.00187	.00297	.00060
56	AD466764	.00644	-.00052	.00747	.01345	.00370	.00056
57	AD466765	.03242	.00555	.01609	.01396	.00348	.00074
58	AD466766	-.00004	-.00390	.00002	.00031	.00114	.00019
59	AD466767/FB	.19043	.20583	.20029	.19564	.20293	.04885
60	AD466768/PB	.00005	-.00230	.00010	-.00012	.00089	.00011
61	AD466790	.00374	-.00558	.00063	.04606	.45438	.00081
62	AD466790/L (1:5)	.00107	-.00197	.00009	.00977	.09425	.00035
63	AD466791/MS	.16086	.16840	.16629	.19982	.55483	.04380

Analysis Report   Averages   12/11/04 11:19:45 AM   page 19

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
64	AD466792/SD	.19169	.19655	.19776	.23630	.66287	.05163
65	AD466793	.00049	-.00569	.00220	H12.305	.92520	.00001
66	AD466794/LCS	.19077	.20766	.19986	.21876	.21214	.05100
67	AD466795/EBLK	.00005	-.00510	.00026	.01627	.00338	.00011
68	AD466796	.00006	.00089	.00005	.01922	.00011	-.00030
69	AD466796/L (1:5)	.00014	-.00218	-.00008	.00369	-.00037	-.00017
70	AD466797/MS	.19236	.20699	.20286	.21742	.20361	.04902
71	AD466798/SD	.19682	.21045	.20655	.22259	.20609	.05002
72	AD466799/FB	.19507	.20897	.20416	.20145	.20796	.04966
73	AD466800/PB	-.00042	-.00339	.00006	-.00019	.00085	-.00012
74	AD466869	.00090	-.00277	.00084	.02388	.00019	.00003
75	AD466870	.00101	-.00173	.00084	.02625	.00026	.00020
76	AD466871	.00068	.00657	-.00033	.00813	-.00005	-.00001
77	AD466872	-.00003	.00369	.00025	.00145	-.00030	-.00025
78	AD466873	.00024	-.00036	.00071	.00916	.00031	-.00056
79	AD466874	-.00019	-.00121	.00041	.12273	-.00096	-.00033
80	AD466875	-.00010	-.00106	.00016	.00630	-.00057	.00009
81	AD466876	-.00010	-.00025	.00012	.01159	-.00042	-.00013
82	AD466877	-.00023	-.00022	.00094	.00052	-.00109	-.00046
83	AD466878	-.00037	-.00243	.00395	.00046	-.00147	-.00045
84	AD466879	-.00029	-.00084	.00608	.00015	-.00133	-.00071
85	AD466879/L (1:5)	.00023	-.00189	.00136	-.00012	-.00236	-.00022
86	AD466880/MS	.19617	.21061	.21023	.20053	.20424	.04990
87	AD466881/SD	.19682	.21009	.21087	.20103	.20446	.04953
88	AD466882/FB	.19797	.21330	.20536	.20023	.20124	.05087
89	AD466883/PB	-.00010	-.00059	-.00030	-.00045	-.00062	-.00046
90	AD466884	.00024	-.00210	.00073	.01822	.00125	.00072
91	AD466885	.00003	-.00344	.00048	.01203	.00038	.00040
92	AD466886	.00132	-.00155	.00099	.00820	-.00040	.00045
93	AD466887	.00547	-.00144	.00064	.01172	-.00087	-.00020
94	AD466888	.00044	-.00171	.00046	.00293	-.00153	.00016
95	AD466889	-.00002	.00012	.00008	.00314	-.00018	-.00058
96	AD466890	-.00014	-.00277	-.00005	.00607	-.00072	-.00060
97	AD466891	.00013	-.00441	.00055	.00287	.00010	.00074
98	AD466892	.00004	-.00354	.00044	.00563	-.00019	.00072
99	AD466893	.00146	-.00086	.00030	.00621	-.00137	-.00005
100	AD466894	-.00002	-.00305	.00365	.00848	.00036	-.00030
101	AD466895	.00029	-.00178	.00065	.00073	.00017	.00016
102	AD466896	.00129	-.00198	.00056	.00304	-.00009	-.00010
103	AD466897	.00006	-.00125	.00106	.00443	-.00022	-.00011
104	AD466898	.00006	-.00057	.00053	.00633	-.00022	-.00015
105	AD466898/L (1:5)	.00022	-.00245	-.00020	.00106	-.00207	-.00026
106	AD466899/MS	.19564	.20729	.20298	.19934	.20061	.05008
107	AD466900/SD	.19281	.20598	.19917	.19536	.19817	.04997
108	AD466901/FB	.18799	.20331	.19572	.19165	.19519	.04792
109	AD466902/PB	-.00005	-.00118	.00023	-.00014	-.00081	.00026
110	AD466916	.00898	-.00007	.02254	.01303	.00696	.00018
111	AD466917	.03322	-.00136	.03634	.12183	.01964	.00034
112	AD466918	.00473	-.00181	.00029	.00581	-.00069	-.00022
113	AD466919	.00618	-.00018	.00022	.00249	.00066	.00001
114	AD466920	.00270	-.00345	-.00001	.00124	-.00023	.00029
115	AD466921	.01443	-.00257	.00090	.00622	.00130	-.00043
116	AD466922	.01066	-.00147	.00057	.00954	.00012	.00001
117	AD466923	.00301	-.00143	.00036	.00199	.00042	.00010

Analysis Report   Averages   12/11/04 11:19:45 AM   page 20

#	Sample Name	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
118	AD466924	.00380	-.00113	.00076	.00771	.00064	.00026
119	AD466925	.00340	.00022	.00227	.02843	-.00016	-.00014
120	AD466926	.00307	.00550	.00530	.02898	.00104	.00061
121	AD466927	.00144	.00539	.00336	.00721	.00120	.00068
122	AD466928	.03672	.00252	.01856	.15981	.00817	.00014
123	AD466929	.06662	.00263	.03432	.62585	.02153	.00059
124	AD466930	.24006	.00283	.08084	H13.442	.19645	.00075
125	AD466931	-.00023	-.00082	-.00033	.00060	-.00063	-.00015
126	AD466932	-.00022	-.00146	-.00015	.00440	.00018	-.00024
127	AD466933	.00008	-.00256	-.00019	.00396	-.00082	-.00031
128	AD466934	.00320	-.00274	.00014	.00282	.00000	.00020
129	AD466935	.00054	-.00038	.00032	.00283	-.00036	-.00025
130	AD466935/L (1:5)	.00033	-.00130	-.00015	.00017	-.00017	-.00002
131	AD466936/MS	.19561	.20977	.20262	.19314	.20039	.05009
132	AD466937/SD	.20031	.21205	.20765	.19670	.20184	.05116
133	AD466938/FB	.19260	.20700	.20156	.19829	.20123	.04884
134	AD466939/PB	-.00023	-.00120	-.00058	.00122	-.00123	-.00012
135	AD466940	.00098	.00003	.00804	.00462	.00234	.00011
136	AD466941	.00018	-.00087	-.00005	.00940	.00009	.00050
137	AD466942	-.00022	-.00169	-.00044	.06101	.00073	-.00010
138	AD466943	.00333	-.00271	.00056	.01463	.00003	-.00020
139	AD466944	.00221	-.00047	.00065	.04815	.00027	-.00023
140	AD466945	.00071	-.00200	-.00030	.01091	-.00019	.00070
141	AD466945/L (1:5)	.00047	-.00181	-.00037	.00201	-.00075	.00008
142	AD466945/PS	.20416	.20470	.20408	.21203	.20877	.05166
143	AD466946/MS	.19089	.20411	.19947	.20430	.19947	.04914
144	AD466947/SD	.19042	.20321	.19971	.20435	.20080	.04964
145	AD466948	.00026	.00124	.00009	.00405	.00071	.00129
146	AD466949	-.00014	-.00139	-.00044	.00309	-.00044	-.00001
147	AD466950	.00077	-.00040	.00042	.01108	-.00018	-.00014
148	AD466951	.00003	-.00140	-.00032	.01482	-.00006	-.00005
149	AD466952	.01238	.00107	.00047	.11024	.00000	-.00001
150	AD466953	.00213	-.00077	-.00022	.17018	-.00186	-.00076
151	AD466954	.00158	-.00122	-.00022	.03190	-.00092	.00002
152	AD466955	.00028	-.00316	-.00026	.06227	-.00022	.00006
153	AD466956	.07028	-.00176	.02570	.20352	.03716	.00013
154	AD466957	.04478	-.00415	.02206	.14999	.01763	-.00023
155	AD466958	.07826	-.00327	.02435	.15744	.05837	.00000
156	AD466959	.07301	-.00246	.03128	.66648	.03271	.00029
157	AD466960	.02289	-.00166	.00368	.11322	.01655	-.00031
158	AD466961	.04852	-.00185	.01377	.03154	.02403	.00061
159	AD466962/FB	.19021	.20396	.19996	.19619	.20164	.04892
160	AD466963/PB	-.00010	-.00050	-.00012	-.00005	.00074	-.00036
161	AD467007	H22.486	.28488	2.1796	1.9720	.14075	.01744
162	AD467007/L (1:5)	4.3322	.06545	.46927	.45817	.02980	.00330
163	AD467007/PS	H22.086	.47151	2.3376	2.1023	.32412	.07094
164	AD467008/MS	H13.529	.23910	2.5722	3.1075	.07865	.11804
165	AD467009/SD	H32.246	.28155	4.5269	3.0699	.07037	.12431
166	AD467010	2.2919	.04264	.13020	1.1566	.02558	.00117
167	AD467011	3.1394	.03836	.30041	.93502	.02849	.00208
168	AD467012/CLPSL	3.7176	1.2707	1.0453	1.3198	.57463	1.3403
169	AD467013/PB	.00056	-.00145	.00002	.00195	-.00241	-.00027

#	Sample Name	*Y
1	AD466155/(1:10)	4634.7
2	AD466312/(1:10)	4643.36
3	AD466320/(1:10)	4691.89
4	AD466323/(1:10)	4737.41
5	AD466393/(1:5)	4641.6
6	AD466610	5164.58
7	AD466610/L (1:5)	4802.17
8	AD466610/PS	5132.93
9	AD466611/MS	4863.19
10	AD466612/SD	4949.14
11	AD466613	4966.54
12	AD466614	5078.7
13	AD466615	4905.98
14	AD466616	5014.88
15	AD466617/CLPSL	5358.45
16	AD466618/PB	4733.85
17	AD466628/(1:5)	4653.64
18	AD466629/(1:10)	4657.46
19	AD466642/(1:5)	4583.51
20	AD466643/(1:5)	4594.65
21	AD466644/(1:5)	4636.84
22	AD466647/(1:5)	4639.65
23	AD466648/(1:5)	4620.68
24	AD466649/(1:5)	4596.3
25	AD466650/(1:5)	4626.41
26	AD466651/(1:5)	4601.55
27	AD466727	4056.19
28	AD466727/L (1:5)	4440.64
29	AD466727/PS	4129.16
30	AD466728/MS	4101.68
31	AD466729/SD	4105.28
32	AD466730	4665.41
33	AD466731	4684.69
34	AD466732	4551.86
35	AD466733	4333.16
36	AD466734	4206.15
37	AD466735	4703.93
38	AD466736	4514.06
39	AD466737	4221.49
40	AD466738	4541.62
41	AD466739	4736.25
42	AD466740/FB	4706.21
43	AD466741/PB	4710.64
44	AD466754	4102.01
45	AD466754/L (1:5)	4507.69
46	AD466754/PS	4105.35
47	AD466755/MS	4170.08
48	AD466756/SD	4132.61
49	AD466757	4668.98
50	AD466758	4521.15
51	AD466759	4674.86
52	AD466760	4382.29
53	AD466761	4276.28

#	Sample Name	*Y
54	AD466762	4681.09
55	AD466763	4443.41
56	AD466764	4109.36
57	AD466765	4571.96
58	AD466766	4735.69
59	AD466767/FB	4756.31
60	AD466768/PB	4712.44
61	AD466790	4502.59
62	AD466790/L (1:5)	4630.42
63	AD466791/MS	4517.85
64	AD466792/SD	4456.09
65	AD466793	4520.03
66	AD466794/LCS	4504.2
67	AD466795/EBLK	4461.19
68	AD466796	4759.5
69	AD466796/L (1:5)	4668.79
70	AD466797/MS	4756.88
71	AD466798/SD	4779.6
72	AD466799/FB	4771.24
73	AD466800/PB	4748.51
74	AD466869	4755
75	AD466870	4758.98
76	AD466871	4730.48
77	AD466872	4762.5
78	AD466873	4776.19
79	AD466874	4775.62
80	AD466875	4767.19
81	AD466876	4799.59
82	AD466877	4737.86
83	AD466878	4727.36
84	AD466879	4724.7
85	AD466879/L (1:5)	4627.39
86	AD466880/MS	4740.71
87	AD466881/SD	4737.56
88	AD466882/FB	4780.76
89	AD466883/PB	4758.83
90	AD466884	4519.24
91	AD466885	4538.93
92	AD466886	4640.18
93	AD466887	4625.81
94	AD466888	4645.65
95	AD466889	4657.42
96	AD466890	4665.15
97	AD466891	4575
98	AD466892	4520.66
99	AD466893	4693.88
100	AD466894	4610.36
101	AD466895	4680.45
102	AD466896	4613.03
103	AD466897	4663.8
104	AD466898	4619.66
105	AD466898/L (1:5)	4654.99
106	AD466899/MS	4596.56
107	AD466900/SD	4618.8

Analysis Report   Averages   12/11/04 11:19:45 AM   page 23

#	Sample Name	*Y
108	AD466901/FB	4676.59
109	AD466902/PB	4714.46
110	AD466916	4545.56
111	AD466917	4404.56
112	AD466918	4757.59
113	AD466919	4770.9
114	AD466920	4704.45
115	AD466921	4715.92
116	AD466922	4750.12
117	AD466923	4753.61
118	AD466924	4755.9
119	AD466925	4620.3
120	AD466926	4453.5
121	AD466927	4548.6
122	AD466928	4546.91
123	AD466929	4384.2
124	AD466930	4419.38
125	AD466931	4747.73
126	AD466932	4692.53
127	AD466933	4676.06
128	AD466934	4688.1
129	AD466935	4641.67
130	AD466935/L (1:5)	4662.64
131	AD466936/MS	4683.19
132	AD466937/SD	4666.31
133	AD466938/FB	4750.69
134	AD466939/PB	4731.53
135	AD466940	4676.25
136	AD466941	4734.83
137	AD466942	4755.26
138	AD466943	4831.88
139	AD466944	4726.5
140	AD466945	4753.16
141	AD466945/L (1:5)	4728.98
142	AD466945/PS	4720.24
143	AD466946/MS	4728.23
144	AD466947/SD	4765.69
145	AD466948	4663.42
146	AD466949	4720.35
147	AD466950	4647.3
148	AD466951	4663.88
149	AD466952	4698.56
150	AD466953	4677.38
151	AD466954	4460.48
152	AD466955	4509.38
153	AD466956	4404.38
154	AD466957	4404.11
155	AD466958	4506.56
156	AD466959	4428.15
157	AD466960	4569.75
158	AD466961	4528.39
159	AD466962/FB	4721.66
160	AD466963/PB	4715.18
161	AD467007	4439.96

Analysis Report   Averages   12/11/04 11:19:45 AM   page 24

```
 #   Sample Name        *Y
---  ------------------ -------- -------- -------- -------- -------- --------

162  AD467007/L (1:5)    4566.15
163  AD467007/PS         4390.61
164  AD467008/MS         4407.04
165  AD467009/SD         4491.26
166  AD467010            4835.62
167  AD467011            4815.86
168  AD467012/CLPSL      5076.98
169  AD467013/PB         4629.83
```

Analysis Report   Averages   12/11/04 11:19:45 AM   page 24

Standardization Rpt.   12/10/04 10:52:01 AM   page 1

Method: TRACE2   Standard: STD BLK
Run Time: 12/10/04 10:47:40

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	.03888	-.01270	.03195	.00042	.19102	.02679	-.01628
SDev	.00069	.00725	.00305	.00267	.00047	.00068	.00189
%RSD	1.7763	57.063	9.5503	641.20	.24741	2.5256	11.615
#1	.03839	-.01783	.02979	.00231	.19069	.02727	-.01762
#2	.03937	-.00758	.03410	-.00147	.19136	.02631	-.01495

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	-.00358	.00609	.06641	-.00063	-.03628	.00399	.00126
SDev	.00239	.00474	.00046	.00030	.02491	.00534	.00029
%RSD	66.744	77.853	.69494	47.360	68.645	133.95	23.330
#1	-.00189	.00944	.06608	-.00042	-.01867	.00776	.00147
#2	-.00526	.00274	.06673	-.00084	-.05389	.00021	.00105

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	.03761	.00809	-.09237	.00188	-.01384	-.00852	-.04499
SDev	.00853	.00251	.00840	.01129	.02017	.00701	.01705
%RSD	22.671	30.987	9.0953	601.31	145.72	82.223	37.898
#1	.04363	.00986	-.08643	.00986	-.02811	-.00357	-.03294
#2	.03158	.00632	-.09831	-.00610	.00042	-.01347	-.05705

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	.07769	.12554	-.00416	.00053	.00294	-.07255	-.00033
SDev	.03303	.01797	.00662	.00015	.00059	.04149	.01085
%RSD	42.518	14.312	159.26	28.047	19.961	57.186	3301.0
#1	.05433	.13824	.00052	.00063	.00336	-.04321	.00734
#2	.10105	.11284	-.00884	.00042	.00253	-.10189	-.00800

Standardization Rpt.   12/10/04 10:52:01 AM   page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4759	--	--	--	--	--	--
SDev	11.77326	--	--	--	--	--	--
%RSD	.2474101	--	--	--	--	--	--
#1	4767	--	--	--	--	--	--
#2	4750	--	--	--	--	--	--

Standardization Rpt.   12/10/04 10:56:25 AM   page 1

Method: TRACE2   Standard: STD 1
Run Time: 12/10/04 10:52:04

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	8.0731	1.0884	1.7583	4.5519	7.6833	5.7750	15.115
SDev	.0297	.0057	.0034	.0217	.0307	.0233	.069
%RSD	.36803	.52540	.19369	.47608	.39970	.40291	.45544
#1	8.0521	1.0924	1.7558	4.5365	7.6616	5.7586	15.066
#2	8.0941	1.0843	1.7607	4.5672	7.7050	5.7915	15.163

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	.87420	2.1414	.85898	1.8885	5.7340	12.071	1.4957
SDev	.00381	.0139	.00496	.0071	.0148	.045	.0078
%RSD	.43553	.64936	.57797	.37419	.25775	.37621	.51821
#1	.87151	2.1316	.85547	1.8835	5.7235	12.039	1.4902
#2	.87689	2.1513	.86249	1.8935	5.7444	12.103	1.5012

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	2.2439	.27895	5.9101	2.2247	2.0121	.62871	.70236
SDev	.0134	.00474	.0470	.0293	.0336	.01473	.01243
%RSD	.59589	1.6992	.79458	1.3172	1.6698	2.3437	1.7693
#1	2.2345	.28230	5.8769	2.2454	1.9883	.61829	.69357
#2	2.2534	.27560	5.9433	2.2039	2.0358	.63913	.71115

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	1.3990	6.2422	.72379	.30448	.36248	3.3505	1.4685
SDev	.0035	.0297	.03457	.00172	.00178	.0148	.0070
%RSD	.25160	.47546	4.7757	.56534	.49164	.44309	.47973
#1	1.4015	6.2212	.69935	.30326	.36122	3.3400	1.4635
#2	1.3965	6.2632	.74823	.30570	.36374	3.3610	1.4735

Standardization Rpt.   12/10/04 10:56:25 AM   page 2

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4664	--	--	--	--	--	--
SDev	17.07656	--	--	--	--	--	--
%RSD	.3661570	--	--	--	--	--	--
#1	4676	--	--	--	--	--	--
#2	4652	--	--	--	--	--	--

Standardization Rpt.   12/10/04 11:00:49 AM   page 1

Method: TRACE2   Standard: STD 2
Run Time: 12/10/04 10:56:28

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	39.222	5.3225	8.2622	22.152	36.526	27.734	72.688
SDev	.186	.0482	.0337	.081	.144	.126	.368
%RSD	.47346	.90493	.40743	.36382	.39298	.45507	.50600
#1	39.091	5.2884	8.2384	22.095	36.424	27.645	72.428
#2	39.353	5.3565	8.2860	22.209	36.627	27.823	72.948

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	4.2615	10.326	3.9453	9.1556	27.370	59.095	7.2468
SDev	.0186	.035	.0138	.0363	.077	.269	.0272
%RSD	.43717	.34035	.34984	.39619	.27965	.45527	.37583
#1	4.2483	10.302	3.9356	9.1299	27.316	58.905	7.2275
#2	4.2747	10.351	3.9551	9.1812	27.424	59.285	7.2660

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	10.779	1.3710	28.735	10.487	9.6869	3.1473	3.5610
SDev	.040	.0140	.176	.073	.0781	.0412	.0016
%RSD	.37157	1.0194	.61179	.69904	.80619	1.3098	.04369
#1	10.751	1.3611	28.610	10.435	9.6317	3.1182	3.5621
#2	10.807	1.3809	28.859	10.539	9.7421	3.1765	3.5599

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	6.6151	29.667	3.5704	1.4811	1.7272	16.736	7.1661
SDev	.0122	.097	.0076	.0073	.0086	.087	.0201
%RSD	.18421	.32710	.21264	.49246	.49989	.51854	.28112
#1	6.6065	29.598	3.5650	1.4759	1.7211	16.674	7.1519
#2	6.6237	29.736	3.5758	1.4862	1.7333	16.797	7.1804

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4718	--	--	--	--	--	--
SDev	2.704476	--	--	--	--	--	--
%RSD	.0573245	--	--	--	--	--	--
#1	4720	--	--	--	--	--	--
#2	4716	--	--	--	--	--	--

Standardization Rpt.   12/10/04 11:05:14 AM   page 1

Method: TRACE2   Standard: STD 3
Run Time: 12/10/04 11:00:53

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Avge	81.178	10.985	16.908	45.655	74.402	56.498	148.34
SDev	.780	.091	.147	.440	.731	.569	1.42
%RSD	.96116	.83168	.86771	.96472	.98266	1.0071	.95415
#1	80.626	10.920	16.804	45.343	73.885	56.096	147.34
#2	81.730	11.049	17.012	45.966	74.919	56.900	149.34

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Avge	8.6935	21.091	8.0426	18.675	54.219	122.63	14.804
SDev	.0810	.217	.0742	.185	.392	1.13	.144
%RSD	.93178	1.0284	.92238	.99250	.72340	.92042	.97174
#1	8.6362	20.938	7.9901	18.544	53.942	121.83	14.702
#2	8.7508	21.245	8.0950	18.806	54.496	123.42	14.906

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	Sb2068	1960/1
Avge	22.060	2.8977	58.602	21.284	19.745	6.5373	7.4112
SDev	.245	.0230	.533	.216	.181	.0534	.0670
%RSD	1.1111	.79474	.90990	1.0171	.91437	.81694	.90426
#1	21.887	2.8814	58.225	21.131	19.617	6.4995	7.3638
#2	22.234	2.9140	58.979	21.437	19.873	6.5750	7.4586

Elem	1960/2	Ti3372	Tl1908	V_2924	Zn2062	Sn1899	Ag3280
Avge	13.574	60.877	7.3673	3.0316	3.5080	34.438	14.765
SDev	.096	.618	.0744	.0293	.0321	.213	.140
%RSD	.70576	1.0150	1.0099	.96658	.91390	.61940	.94897
#1	13.506	60.440	7.3147	3.0109	3.4853	34.288	14.666
#2	13.641	61.314	7.4199	3.0524	3.5307	34.589	14.864

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	4629	--	--	--	--	--	--
SDev	26.78167	--	--	--	--	--	--
%RSD	.5785862	--	--	--	--	--	--
#1	4648	--	--	--	--	--	--
#2	4610	--	--	--	--	--	--

Standardization   Report   12/10/04 11:05:14 AM   page 1

Method: TRACE2   Slope = Conc(SIR)/IR

Element	Wavelen	High std	Low std	Slope	Y-intercept	Date Standardized
Al3082	308.215	Multiple	Standards	.625616	-.024444	12/10/04 11:00:53
As1890	189.042	Multiple	Standards	.091806	.001159	12/10/04 11:00:53
B_2496	249.678	Multiple	Standards	.059482	-.001919	12/10/04 11:00:53
Ba4934	493.409	Multiple	Standards	.022145	-.000014	12/10/04 11:00:53
Be3130	313.042	Multiple	Standards	.013529	-.002595	12/10/04 11:00:53
Ca3179	317.933	Multiple	Standards	.886016	-.024462	12/10/04 11:00:53
Cd2265	226.502	Multiple	Standards	.006758	.000094	12/10/04 11:00:53
Co2286	228.616	Multiple	Standards	.115315	.000403	12/10/04 11:00:53
Cr2677	267.716	Multiple	Standards	.047637	-.000302	12/10/04 11:00:53
Cu3247	324.753	Multiple	Standards	.126888	-.008429	12/10/04 11:00:53
Fe2714	271.441	Multiple	Standards	2.68513	.001140	12/10/04 11:00:53
K_7664	766.491	Multiple	Standards	.899568	.031005	12/10/04 11:00:53
Mg2790	279.078	Multiple	Standards	.414965	-.001625	12/10/04 11:00:53
Mn2576	257.610	Multiple	Standards	.067818	-.000096	12/10/04 11:00:53
Mo2020	202.030	Multiple	Standards	.045755	-.001727	12/10/04 11:00:53
Na3302	330.232	Multiple	Standards	18.0143	-.144538	12/10/04 11:00:53
Ni2316	231.604	Multiple	Standards	.016988	.001552	12/10/04 11:00:53
2203/1	220.351	Multiple	Standards	.047598	-.000118	12/10/04 11:00:53
2203/2	220.352	Multiple	Standards	.049890	.000672	12/10/04 11:00:53
PB2203	220.353	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
SE1960	196.026	NONE	NONE	.000000	.000000	*NOT STANDARDIZED
Sb2068	206.838	Multiple	Standards	.156861	.001343	12/10/04 11:00:53
1960/1	196.021	Multiple	Standards	.135241	.006076	12/10/04 11:00:53
1960/2	196.022	Multiple	Standards	.073943	-.005740	12/10/04 11:00:53
Ti3372	337.280	Multiple	Standards	.016575	-.002091	12/10/04 11:00:53
Tl1908	190.864	Multiple	Standards	.135084	.000562	12/10/04 11:00:53
V_2924	292.402	Multiple	Standards	.332333	-.000182	12/10/04 11:00:53
Zn2062	206.200	Multiple	Standards	.283988	-.000853	12/10/04 11:00:53
Sn1899	189.989	Multiple	Standards	.029309	.002125	12/10/04 11:00:53
Ag3280	328.068	Multiple	Standards	.068515	.000019	12/10/04 11:00:53

```
Standardization      Readback Report      12/10/04 11:05:14 AM         page 1
```

Method: TRACE2

Element Al3082	Wavelength 308.215	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000122	.000122
		STD 1	5.00000	5.02622	-.026223
		STD 2	25.0000	24.5136	.486427
		STD 3	50.0000	50.7617	-.761723

CorCoef: 0.99983

Element As1890	Wavelength 189.042	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000008	.000008
		STD 1	.100000	.101079	-.001079
		STD 2	.500000	.489793	.010207
		STD 3	1.00000	1.00962	-.009621

CorCoef: 0.99987

Element B_2496	Wavelength 249.678	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000019	.000019
		STD 1	.100000	.102665	-.002665
		STD 2	.500000	.489527	.010473
		STD 3	1.00000	1.00378	-.003782

CorCoef: 0.99990

Element Ba4934	Wavelength 493.409	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000005	.000005
		STD 1	.100000	.100788	-.000788
		STD 2	.500000	.490548	.009452
		STD 3	1.00000	1.01102	-.011022

CorCoef: 0.99987

Element Be3130	Wavelength 313.042	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000010	.000010
		STD 1	.100000	.101349	-.001349
		STD 2	.500000	.491546	.008454
		STD 3	1.00000	1.00395	-.003952

CorCoef: 0.99993

Element Ca3179	Wavelength 317.933	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000723	.000723
		STD 1	5.00000	5.09231	-.092315
		STD 2	25.0000	24.5482	.451763
		STD 3	50.0000	50.0336	-.033558

CorCoef: 0.99994

Element Cd2265	Wavelength 226.502	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000016	.000016
		STD 1	.100000	.102231	-.002231
		STD 2	.500000	.491284	.008716
		STD 3	1.00000	1.00253	-.002531

CorCoef: 0.99993

Element Co2286	Wavelength 228.616	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD BLK	.000000	-.000010	.000010
		STD 1	.100000	.101211	-.001211
		STD 2	.500000	.491816	.008184
		STD 3	1.00000	1.00289	-.002892

CorCoef: 0.99994

Standardization   Readback Report   12/10/04 11:05:14 AM   page 2

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2677	267.716	STD BLK	.000000	-.000012	.000012
		STD 1	.100000	.101711	-.001711
		STD 2	.500000	.491624	.008376
		STD 3	1.00000	1.00444	-.004442

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	324.753	STD BLK	.000000	-.000003	.000003
		STD 1	.100000	.100565	-.000565
		STD 2	.500000	.492188	.007812
		STD 3	1.00000	1.01207	-.012073

CorCoef: 0.99989

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Fe2714	271.441	STD BLK	.000000	-.000554	.000554
		STD 1	5.00000	5.07207	-.072065
		STD 2	25.0000	24.5850	.414976
		STD 3	50.0000	50.1455	-.145512

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
K_7664	766.491	STD BLK	.000000	-.001632	.001632
		STD 1	5.00000	5.18909	-.189092
		STD 2	25.0000	24.6521	.347853
		STD 3	50.0000	48.8048	1.19521

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mg2790	279.078	STD BLK	.000000	.000029	-.000029
		STD 1	5.00000	5.00747	-.007470
		STD 2	25.0000	24.5207	.479319
		STD 3	50.0000	50.8839	-.883938

CorCoef: 0.99981

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mn2576	257.610	STD BLK	.000000	-.000010	.000010
		STD 1	.100000	.101339	-.001339
		STD 2	.500000	.491362	.008638
		STD 3	1.00000	1.00388	-.003883

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD BLK	.000000	-.000007	.000007
		STD 1	.100000	.100943	-.000943
		STD 2	.500000	.491465	.008535
		STD 3	1.00000	1.00764	-.007639

CorCoef: 0.99991

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Na3302	330.232	STD BLK	.000000	.001153	-.001153
		STD 1	5.00000	4.88061	.119393
		STD 2	25.0000	24.5526	.447435
		STD 3	50.0000	52.0551	-2.05514

CorCoef: 0.99956

Standardization   Readback Report   12/10/04 11:05:14 AM   page 3

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ni2316	231.604	STD BLK	.000000	-.000017	.000017
		STD 1	.100000	.101954	-.001954
		STD 2	.500000	.489703	.010297
		STD 3	1.00000	.997104	.002896

CorCoef: 0.99994

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/1	220.351	STD BLK	.000000	-.000029	.000029
		STD 1	.100000	.105771	-.005771
		STD 2	.500000	.499036	.000964
		STD 3	1.00000	1.01295	-.012950

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
2203/2	220.352	STD BLK	.000000	-.000018	.000018
		STD 1	.100000	.101054	-.001054
		STD 2	.500000	.483946	.016054
		STD 3	1.00000	.985736	.014264

CorCoef: 0.99994

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	.000007	-.000007
		STD 1	.100000	.099963	.000037
		STD 2	.500000	.495034	.004966
		STD 3	1.00000	1.02678	-.026781

CorCoef: 0.99982

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/1	196.021	STD BLK	.000000	-.000009	.000009
		STD 1	.100000	.101064	-.001064
		STD 2	.500000	.487664	.012336
		STD 3	1.00000	1.00837	-.008372

CorCoef: 0.99984

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
1960/2	196.022	STD BLK	.000000	.000005	-.000005
		STD 1	.100000	.097705	.002295
		STD 2	.500000	.483401	.016599
		STD 3	1.00000	.997935	.002065

CorCoef: 0.99986

Standardization   Readback Report   12/10/04 11:05:14 AM   page 4

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ti3372	337.280	STD BLK	.000000	-.000010	.000010
		STD 1	.100000	.101374	-.001374
		STD 2	.500000	.489647	.010353
		STD 3	1.00000	1.00696	-.006963

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD BLK	.000000	.000000	-.000000
		STD 1	.100000	.098334	.001666
		STD 2	.500000	.482862	.017138
		STD 3	1.00000	.995767	.004233

CorCoef: 0.99987

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
V_2924	292.402	STD BLK	.000000	-.000007	.000007
		STD 1	.100000	.101007	-.001007
		STD 2	.500000	.492031	.007969
		STD 3	1.00000	1.00733	-.007333

CorCoef: 0.99992

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Zn2062	206.200	STD BLK	.000000	-.000018	.000018
		STD 1	.100000	.102087	-.002087
		STD 2	.500000	.489643	.010357
		STD 3	1.00000	.995381	.004619

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn1899	189.989	STD BLK	.000000	-.000001	.000001
		STD 1	.100000	.100324	-.000324
		STD 2	.500000	.492636	.007364
		STD 3	1.00000	1.01149	-.011486

CorCoef: 0.99990

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD BLK	.000000	-.000004	.000004
		STD 1	.100000	.100632	-.000632
		STD 2	.500000	.491007	.008993
		STD 3	1.00000	1.01167	-.011670

CorCoef: 0.99987

Analysis Report   Blank Sample   12/10/04 11:09:38 AM   page 1

Method: TRACE2   Sample Name: STD 3 VER   Operator: SW
Run Time: 12/10/04 11:05:17
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.312	1.0072	.98948	1.0067	.99535	49.693	.98993
SDev	.196	.0030	.00322	.0035	.00296	.181	.00249
%RSD	.38944	.29736	.32510	.34370	.29743	.36507	.25113
#1	50.173	1.0050	.98720	1.0043	.99326	49.564	.98817
#2	50.450	1.0093	.99175	1.0092	.99745	49.821	.99169
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	.99452	.99285	1.0045	49.612	48.334	50.370	.99322
SDev	.00333	.00316	.0029	.158	.219	.151	.00271
%RSD	.33456	.31841	.28711	.31776	.45396	.30009	.27320
#1	.99217	.99061	1.0025	49.501	48.179	50.264	.99130
#2	.99688	.99508	1.0066	49.724	48.489	50.477	.99514
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	.99893	51.826	.99097	.98068	.99045	.98720	1.0097
SDev	.00273	.309	.00375	.00548	.00861	.00757	.0076
%RSD	.27327	.59535	.37812	.55855	.86955	.76668	.75419
#1	.99700	51.608	.98832	.97680	.98436	.98185	1.0043
#2	1.0009	52.044	.99362	.98455	.99654	.99255	1.0151
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	1.0104	1.0022	1.0135	1.0010	1.0107	.99969	.98880
SDev	.0002	.0044	.0092	.0029	.0030	.00366	.00262
%RSD	.01550	.43779	.91062	.28818	.29295	.36633	.26491
#1	1.0102	.99912	1.0070	.99895	1.0086	.99710	.98694
#2	1.0105	1.0053	1.0200	1.0030	1.0128	1.0023	.99065
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm        ppm
Avge     1.0018     1.0062
SDev      .0030      .0029
%RSD     .30072     .28328

#1        .99969    1.0041
#2       1.0040     1.0082

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	4656	--	--	--	--	--	--
SDev	27.15283	--	--	--	--	--	--
%RSD	.5832357	--	--	--	--	--	--
#1	4675	--	--	--	--	--	--
#2	4636	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 11:14:02 AM   page 1

Method: TRACE2   Sample Name: ICV   Operator: SW
Run Time: 12/10/04 11:09:41
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q19.830	.37247	.36303	.37780	.37552	18.840	.37099
SDev	.027	.00084	.00047	.00017	.00121	.054	.00133
%RSD	.13736	.22506	.12896	.04468	.32181	.28726	.35948
#1	Q19.849	.37306	.36270	.37768	.37466	18.802	.37004
#2	Q19.810	.37188	.36336	.37792	.37637	18.878	.37193
Errors	QC Fail	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	.37314	.37110	.39143	18.805	19.173	18.501	.38205
SDev	.00129	.00144	.00012	.065	.027	.051	.00123
%RSD	.34500	.38901	.03127	.34322	.14150	.27339	.32148
#1	.37223	.37008	.39152	18.759	19.192	18.465	.38119
#2	.37405	.37212	.39134	18.851	19.154	18.537	.38292
Errors	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	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	.36066	18.729	.37673	.37056	.37443	.37314	.38011
SDev	.00053	.098	.00112	.00036	.00181	.00133	.00108
%RSD	.14721	.52111	.29726	.09761	.48447	.35654	.28432
#1	.36028	18.660	.37593	.37031	.37315	.37220	.37935
#2	.36103	18.798	.37752	.37082	.37571	.37408	.38088
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	.38407	.37938	.38049	.36745	.38190	.37234	.36839
SDev	.00115	.00459	.00392	.00069	.00483	.00119	.00179
%RSD	.29974	1.2108	1.0297	.18900	1.2653	.31866	.48491
#1	.38488	.38262	.37772	.36695	.37848	.37150	.36713
#2	.38325	.37613	.38326	.36794	.38532	.37318	.36965
Errors	QC Pass	NOCHECK	NOCHECK	QC Pass	QC Pass	QC Pass	QC Pass
Value	.37500			.37500	.37500	.37500	.37500
Range	5.0000			5.0000	5.0000	5.0000	5.0000

Elem	Sn1899	Ag3280

Analysis Report   QC Standard   12/10/04 11:14:02 AM   page 2

Units	ppm	ppm
Avge	.38381	.37103
SDev	.00018	.00030
%RSD	.04678	.08220

| #1 | .38368 | .37081 |
| #2 | .38393 | .37124 |

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	4714	--	--	--	--	--	--
SDev	16.28107	--	--	--	--	--	--
%RSD	.3453594	--	--	--	--	--	--
#1	4726	--	--	--	--	--	--
#2	4703	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 11:18:25 AM   page 1

Method: TRACE2   Sample Name: ICB   Operator: SW
Run Time: 12/10/04 11:14:05
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01053	.00016	.00035	.00033	.00021	.01030	.00021
SDev	.00519	.00260	.00040	.00004	.00009	.00612	.00014
%RSD	49.245	1630.6	114.40	12.381	40.102	59.393	68.458
#1	.00686	.00200	.00064	.00030	.00015	.00598	.00011
#2	.01420	-.00168	.00007	.00036	.00027	.01463	.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	.00043	.00037	.00008	.01642	.00503	.01229	.00025
SDev	.00014	.00027	.00000	.00631	.01272	.00375	.00008
%RSD	32.259	71.713	2.1029	38.441	253.05	30.510	31.815
#1	.00033	.00018	.00007	.01196	.01402	.00964	.00019
#2	.00052	.00056	.00008	.02088	-.00397	.01494	.00030
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	.00052	.00984	.00016	.00104	.00135	.00125	-.00102
SDev	.00051	.10589	.00010	.00233	.00126	.00006	.00059
%RSD	98.674	1076.2	61.077	223.34	92.890	4.7764	57.830
#1	.00088	.08471	.00023	.00270	.00046	.00121	-.00060
#2	.00016	-.06503	.00009	-.00061	.00224	.00129	-.00144
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	.00290	.00358	-.00332	.00039	-.00090	.00052	.00011
SDev	.00001	.00053	.00062	.00012	.00284	.00019	.00009
%RSD	.45345	14.767	18.687	30.533	316.21	37.256	85.307
#1	.00291	.00395	-.00288	.00047	.00111	.00038	.00017
#2	.00289	.00321	-.00376	.00030	-.00291	.00066	.00004
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

Analysis Report   Blank Sample   12/10/04 11:18:25 AM   page 2

Units	ppm	ppm
Avge	.00146	.00037
SDev	.00010	.00053
%RSD	6.9088	145.33
#1	.00153	.00075
#2	.00139	-.00001
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	4737	--	--	--	--	--	--
SDev	30.81232	--	--	--	--	--	--
%RSD	.6505068	--	--	--	--	--	--
#1	4715	--	--	--	--	--	--
#2	4758	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 11:22:48 AM   page 1

Method: TRACE2   Sample Name: CRI   Operator: SW
Run Time: 12/10/04 11:18:28
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20602	.00882	.05006	.00211	.00202	.50914	.00090
SDev	.00022	.00067	.00075	.00002	.00001	.00148	.00002
%RSD	.10665	7.6434	1.5068	1.1322	.23947	.29117	2.5136
#1	.20618	.00930	.05059	.00209	.00202	.50809	.00088
#2	.20587	.00834	.04953	.00213	.00201	.51019	.00091
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	.00367	.00402	.00990	.05331	.53530	.19828	.00329
SDev	.00010	.00016	.00028	.00039	.03339	.00305	.00001
%RSD	2.8146	3.8933	2.8382	.73297	6.2384	1.5385	.28133
#1	.00374	.00413	.01010	.05359	.55891	.19612	.00329
#2	.00359	.00390	.00970	.05303	.51168	.20043	.00328
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	.00978	.82633	.00993	.00602	.00587	.00592	.01579
SDev	.00015	.04576	.00012	.00023	.00045	.00038	.00029
%RSD	1.5836	5.5380	1.2060	3.8319	7.6908	6.3833	1.8583
#1	.00989	.85869	.00984	.00586	.00555	.00565	.01559
#2	.00967	.79398	.01001	.00619	.00619	.00619	.01600
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	.02115	.01298	.01720	.00528	.01789	.00509	.01988
SDev	.00330	.00118	.00103	.00000	.00122	.00015	.00005
%RSD	15.582	9.0710	5.9811	.03935	6.8401	2.9747	.24493
#1	.02348	.01381	.01647	.00528	.01876	.00498	.01985
#2	.01882	.01215	.01793	.00528	.01703	.00519	.01992
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

Analysis Report   Blank Sample   12/10/04 11:22:48 AM   page 2

Units	ppm	ppm
Avge	.00964	.00299
SDev	.00049	.00041
%RSD	5.0970	13.806
#1	.00929	.00270
#2	.00998	.00328
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	4704	--	--	--	--	--	--
SDev	1.325825	--	--	--	--	--	--
%RSD	.0281857	--	--	--	--	--	--
#1	4705	--	--	--	--	--	--
#2	4703	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 11:27:11 AM   page 1

Method: TRACE2   Sample Name: ICSA   Operator: SW
Run Time: 12/10/04 11:22:51
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	503.85	.00055	.00344	.00193	.00093	418.40	-.00457
SDev	1.33	.00035	.00029	.00002	.00001	.11	.00001
%RSD	.26395	63.300	8.3753	1.0444	.98467	.02655	.29478
#1	502.91	.00079	.00364	.00195	.00094	418.33	-.00458
#2	504.79	.00030	.00323	.00192	.00093	418.48	-.00456
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	.00053	-.00020	.00011	180.78	-.00120	542.52	.00216
SDev	.00015	.00063	.00036	.29	.02514	.41	.00006
%RSD	27.407	316.74	315.43	.16193	2097.1	.07519	2.6189
#1	.00063	.00025	.00036	180.57	.01658	542.24	.00220
#2	.00043	-.00064	-.00014	180.99	-.01898	542.81	.00212
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	.00554	.13621	.00243	.01424	-.00428	.00189	-.00264
SDev	.00041	.24979	.00060	.00220	.00291	.00121	.00243
%RSD	7.4618	183.39	24.950	15.483	68.042	64.043	91.872
#1	.00583	.31284	.00285	.01579	-.00634	.00103	-.00436
#2	.00525	-.04042	.00200	.01268	-.00222	.00274	-.00093
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	-.00023	.00221	-.00507	.00165	.02797	-.00075	.00377
SDev	.00127	.00210	.00469	.00020	.00560	.00059	.00002
%RSD	552.24	95.205	92.597	12.149	20.014	78.544	.56791
#1	.00067	.00369	-.00839	.00180	.03193	-.00033	.00378
#2	-.00113	.00072	-.00175	.00151	.02402	-.00116	.00375
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280

Analysis Report   QC Standard   12/10/04 11:27:11 AM   page 2

```
Units    ppm         ppm
Avge     -.00015     .00041
SDev      .00086     .00031
%RSD     575.25      76.832

#1        .00046     .00063
#2       -.00076     .00019

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	4495	--	--	--	--	--	--
SDev	6.417132	--	--	--	--	--	--
%RSD	.1427683	--	--	--	--	--	--
#1	4490	--	--	--	--	--	--
#2	4499	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 11:31:34 AM   page 1

Method: TRACE2   Sample Name: ICSAB   Operator: SW
Run Time: 12/10/04 11:27:15
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	515.43	.09952	.00244	.50797	.48379	425.62	.91324
SDev	.85	.00057	.00034	.00010	.00096	.86	.00231
%RSD	.16425	.57378	13.956	.02044	.19893	.20156	.25252
#1	514.83	.09911	.00268	.50790	.48311	425.02	.91161
#2	516.03	.09992	.00220	.50805	.48447	426.23	.91487
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	.45566	.46997	.52137	92.992	-.00779	554.97	.49220
SDev	.00144	.00193	.00034	.284	.02456	1.65	.00117
%RSD	.31681	.41137	.06571	.30570	315.37	.29650	.23729
#1	.45464	.46860	.52162	92.791	.00958	553.80	.49138
#2	.45668	.47133	.52113	93.193	-.02516	556.13	.49303
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	.00589	.12822	.91158	.06521	.04152	.04941	.04745
SDev	.00041	.19318	.00102	.00008	.00092	.00064	.00167
%RSD	6.9715	150.66	.11197	.11976	2.2095	1.2911	3.5237
#1	.00618	-.00838	.91086	.06516	.04087	.04896	.04627
#2	.00560	.26482	.91230	.06527	.04217	.04986	.04864
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	.60180	.05339	.04449	.00145	.10708	.48262	.89179
SDev	.00436	.00069	.00285	.00008	.00274	.00113	.00306
%RSD	.72444	1.2882	6.4108	5.3910	2.5549	.23445	.34356
#1	.60488	.05387	.04247	.00139	.10515	.48182	.88963
#2	.59871	.05290	.04651	.00150	.10902	.48342	.89396
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	-.00104	.20758
SDev	.00028	.00027
%RSD	27.309	.13213
#1	-.00124	.20777
#2	-.00084	.20738
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	4362	--	--	--	--	--	--
SDev	6.841120	--	--	--	--	--	--
%RSD	.1568466	--	--	--	--	--	--
#1	4366	--	--	--	--	--	--
#2	4357	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 11:37:17 AM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 11:32:57
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.277	.49289	.48454	.50115	.50115	25.049	.49609
SDev	.107	.00222	.00046	.00143	.00125	.065	.00108
%RSD	.40776	.44986	.09471	.28488	.24922	.26143	.21807
#1	26.201	.49132	.48422	.50014	.50026	25.003	.49533
#2	26.353	.49445	.48487	.50216	.50203	25.095	.49686
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	.49962	.49800	.52174	25.209	25.354	24.594	.51329
SDev	.00099	.00121	.00118	.056	.087	.069	.00133
%RSD	.19884	.24296	.22660	.22403	.34169	.27895	.25863
#1	.49892	.49714	.52090	25.169	25.293	24.546	.51235
#2	.50033	.49885	.52257	25.249	25.415	24.643	.51423
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	.48361	25.084	.50237	.49816	.49748	.49771	.50324
SDev	.00125	.156	.00187	.00012	.00153	.00106	.00045
%RSD	.25780	.62301	.37252	.02457	.30658	.21259	.08927
#1	.48273	24.973	.50105	.49807	.49641	.49696	.50292
#2	.48449	25.194	.50369	.49824	.49856	.49846	.50356
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	.50733	.50222	.50376	.48930	.50280	.49848	.49283
SDev	.00107	.00004	.00069	.00100	.00192	.00255	.00141
%RSD	.21150	.00810	.13780	.20335	.38261	.51203	.28656
#1	.50657	.50225	.50327	.48860	.50144	.49667	.49183
#2	.50808	.50219	.50425	.49001	.50416	.50028	.49382
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

Analysis Report   QC Standard   12/10/04 11:37:17 AM   page 2

```
Units    ppm          ppm
Avge     .51589       .49343
SDev     .00158       .00108
%RSD     .30537       .21802

#1       .51701       .49267
#2       .51478       .49419

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	4679	--	--	--	--	--	--
SDev	17.97840	--	--	--	--	--	--
%RSD	.3842307	--	--	--	--	--	--
#1	4666	--	--	--	--	--	--
#2	4692	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 11:41:41 AM   page 1

Method: TRACE2   Sample Name: CCB   Operator: SW
Run Time: 12/10/04 11:37:21
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05945	-.00028	.00046	.00012	.00013	.06301	.00010
SDev	.07831	.00154	.00066	.00017	.00017	.07715	.00027
%RSD	131.71	556.21	144.69	147.60	130.78	122.44	278.41
#1	.00408	.00081	-.00001	-.00001	.00001	.00846	-.00009
#2	.11483	-.00136	.00092	.00024	.00025	.11757	.00028
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	-.00018	-.00010	.00017	.01759	-.00822	.06113	.00010
SDev	.00007	.00049	.00031	.02967	.01278	.07091	.00021
%RSD	37.834	496.89	179.23	168.69	155.42	116.00	218.06
#1	-.00023	-.00044	-.00005	-.00339	.00081	.01099	-.00005
#2	-.00013	.00025	.00039	.03857	-.01726	.11127	.00025
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	.00011	.01139	.00027	-.00036	.00056	.00026	-.00034
SDev	.00007	.10751	.00022	.00305	.00230	.00052	.00283
%RSD	65.723	944.00	81.206	848.41	407.75	202.19	843.56
#1	.00017	.08741	.00011	.00180	-.00106	-.00011	-.00234
#2	.00006	-.06463	.00042	-.00252	.00219	.00062	.00166
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	.00096	.00028	-.00064	-.00006	-.00195	.00013	.00014
SDev	.00153	.00121	.00485	.00009	.00059	.00055	.00030
%RSD	158.61	434.29	754.60	152.30	30.031	406.68	217.83
#1	.00204	.00114	-.00407	.00000	-.00154	-.00025	-.00007
#2	-.00012	-.00058	.00279	-.00012	-.00236	.00052	.00035
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

Analysis Report   Blank Sample   12/10/04 11:41:41 AM   page 2

```
Units   ppm          ppm
Avge    .00027       .00009
SDev    .00078       .00068
%RSD    295.80       743.48

#1      .00082       .00057
#2      -.00029      -.00039

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	4736	--	--	--	--	--	--
SDev	2.227663	--	--	--	--	--	--
%RSD	.0470373	--	--	--	--	--	--
#1	4738	--	--	--	--	--	--
#2	4734	--	--	--	--	--	--

Analysis Report   12/10/04 11:46:04 AM   page 1

Method: TRACE2   Sample Name: AD466618/PB   Operator: SW
Run Time: 12/10/04 11:41:44
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00092	-.00148	.00029	.00005	-.00004	.02635	-.00003
SDev	.00173	.00073	.00024	.00007	.00001	.00025	.00006
%RSD	188.28	49.677	85.652	142.60	34.299	.95805	209.31
#1	-.00214	-.00200	.00011	-.00000	-.00004	.02617	-.00007
#2	.00030	-.00096	.00046	.00010	-.00003	.02653	.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	-.00035	.00013	.00040	.00795	.04411	-.00000	.00007
SDev	.00024	.00014	.00012	.00483	.00991	.00081	.00001
%RSD	67.970	108.27	28.709	60.675	22.474	28705.	15.265
#1	-.00052	.00003	.00032	.00454	.05111	-.00058	.00006
#2	-.00018	.00022	.00049	.01136	.03710	.00057	.00008
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	-.00035	.02115	-.00007	-.00030	.00105	.00060	-.00104
SDev	.00050	.12687	.00023	.00097	.00061	.00008	.00124
%RSD	143.70	599.76	319.66	320.72	57.984	13.738	120.03
#1	-.00070	-.06856	-.00024	-.00099	.00148	.00066	-.00192
#2	.00001	.11086	.00009	.00038	.00062	.00054	-.00016
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	-.00083	-.00566	.00128	.00030	-.00316	.00010	.00113
SDev	.00203	.00458	.00042	.00018	.00092	.00040	.00009
%RSD	245.98	80.880	33.163	58.413	29.167	400.19	7.9532
#1	-.00226	-.00890	.00157	.00018	-.00381	-.00018	.00106
#2	.00061	-.00242	.00098	.00043	-.00251	.00038	.00119
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.06784      .00009
SDev     .00094       .00004
%RSD     1.3809       45.153

#1       H.06718      .00006
#2       H.06850      .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	4734	--	--	--	--	--	--
SDev	11.34893	--	--	--	--	--	--
%RSD	.2397399	--	--	--	--	--	--
#1	4742	--	--	--	--	--	--
#2	4726	--	--	--	--	--	--

Analysis Report   12/10/04 11:50:28 AM   page 1

Method: TRACE2   Sample Name: AD466617/CLPSL   Operator: SW
Run Time: 12/10/04 11:46:07
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	74.294	1.3449	.47107	1.4343	.64821	33.994	2.3062
SDev	.109	.0027	.00059	.0021	.00100	.058	.0037
%RSD	.14611	.19909	.12439	.14435	.15397	.17173	.16159
#1	74.217	1.3468	.47066	1.4328	.64750	33.953	2.3035
#2	74.370	1.3430	.47149	1.4358	.64891	34.036	2.3088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	97.100	1.6400	.82900	1.6900	.78800	41.800	2.9100
Low	39.500	1.0800	.23900	1.1200	.54800	26.800	2.0100

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.43568	.92345	.67140	112.51	20.737	20.242	2.5341
SDev	.00125	.00179	.00012	.25	.031	.033	.0034
%RSD	.28606	.19415	.01765	.22599	.14775	.16399	.13557
#1	.43480	.92218	.67148	112.33	20.716	20.219	2.5317
#2	.43656	.92471	.67131	112.69	20.759	20.266	2.5365
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.53100	1.1600	.81400	172.00	25.400	25.200	3.0700
Low	.36200	.75000	.51200	69.200	14.000	15.600	1.9700

Elem	Mo2020	Na3302	Ni2316	2203/1	2203/2	PB2203	SE1960
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.29139	3.8286	.69842	.74615	.74654	.74641	.81583
SDev	.00009	.1529	.00022	.00006	.00679	.00451	.00809
%RSD	.03110	3.9945	.03104	.00813	.90935	.60394	.99170
#1	.29133	3.9368	.69857	.74619	.74174	.74322	.81011
#2	.29146	3.7205	.69827	.74611	.75134	.74960	.82155
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.37700	5.7900	.86100			.88600	1.0000
Low	.23000	2.2100	.59300			.59800	.60700

Elem	Sb2068	1960/1	1960/2	Ti3372	Tl1908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.77110	.80969	.81890	3.8514	1.2509	1.0439	1.2994
SDev	.00108	.00539	.00944	.0006	.0045	.0008	.0037
%RSD	.13999	.66514	1.1531	.01587	.35864	.07969	.28324
#1	.77033	.80589	.81223	3.8519	1.2477	1.0433	1.2968
#2	.77186	.81350	.82558	3.8510	1.2541	1.0445	1.3020
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	1.6800			5.2600	1.4900	1.3400	1.6600
Low	.00000			1.3000	.90700	.80000	1.0700

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 11:50:28 AM   page 2

```
Units   ppm         ppm
Avge    .62796      1.2956
SDev    .00201       .0014
%RSD    .32049      .11142

#1      .62653      1.2946
#2      .62938      1.2966

Errors  LC Pass     LC Pass
High    .78200      1.7600
Low     .40100      .77800
```

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	5358	--	--	--	--	--	--
SDev	5.409643	--	--	--	--	--	--
%RSD	.1009554	--	--	--	--	--	--
#1	5362	--	--	--	--	--	--
#2	5355	--	--	--	--	--	--

Analysis Report   12/10/04 11:54:51 AM   page 1

Method: TRACE2   Sample Name: AD466610   Operator: SW
Run Time: 12/10/04 11:50:31
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	88.788	.09449	.06859	1.0941	.00703	131.36	L-.00279
SDev	.229	.00114	.00018	.0021	.00003	.51	.00009
%RSD	.25819	1.2098	.25656	.19260	.47725	.38810	3.2504
#1	88.626	.09368	.06871	1.0926	.00701	131.00	L-.00273
#2	88.951	.09530	.06847	1.0956	.00705	131.72	L-.00286
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
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	.10201	1.7382	.30807	178.34	6.5191	30.384	5.6870
SDev	.00081	.0072	.00020	.73	.0202	.116	.0188
%RSD	.79406	.41481	.06374	.41156	.31020	.38320	.33022
#1	.10143	1.7331	.30793	177.82	6.5048	30.302	5.6738
#2	.10258	1.7433	.30821	178.86	6.5334	30.467	5.7003
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	.21118	1.0277	1.5202	.48640	.48531	.48567	.00999
SDev	.00096	.0083	.0063	.00069	.00402	.00291	.00309
%RSD	.45452	.81002	.41562	.14104	.82822	.59904	30.942
#1	.21050	1.0219	1.5157	.48592	.48247	.48362	.01218
#2	.21186	1.0336	1.5246	.48689	.48815	.48773	.00781
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	.00909	.00740	.01129	.80311	.03534	.17018	1.4993
SDev	.00135	.00659	.00135	.00054	.00196	.00063	.0070
%RSD	14.882	89.057	11.910	.06692	5.5333	.36766	.46825
#1	.01005	.01205	.01224	.80349	.03673	.16974	1.4943
#2	.00814	.00274	.01034	.80273	.03396	.17063	1.5043
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm         ppm
Avge     .08003      .00121
SDev     .00149      .00003
%RSD     1.8575      2.2547

#1       .08108      .00123
#2       .07898      .00119

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	5165	--	--	--	--	--	--
SDev	4.136299	--	--	--	--	--	--
%RSD	.0800898	--	--	--	--	--	--
#1	5168	--	--	--	--	--	--
#2	5162	--	--	--	--	--	--

Analysis Report   12/10/04 11:59:14 AM   page 1

Method: TRACE2   Sample Name: AD466610/L (1:5)   Operator: SW
Run Time: 12/10/04 11:54:54
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	19.872	.02264	.01589	.24313	.00159	30.598	-.00074
SDev	.066	.00116	.00097	.00083	.00000	.088	.00003
%RSD	.33372	5.1113	6.1180	.34084	.06491	.28857	4.1053
#1	19.825	.02346	.01658	.24254	.00159	30.536	-.00072
#2	19.919	.02182	.01520	.24371	.00159	30.661	-.00076
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	.02296	.39511	.06759	40.583	1.4361	6.8564	1.2986
SDev	.00029	.00181	.00017	.132	.0218	.0196	.0031
%RSD	1.2658	.45911	.25602	.32464	1.5158	.28567	.23640
#1	.02316	.39383	.06747	40.490	1.4514	6.8425	1.2965
#2	.02275	.39640	.06771	40.676	1.4207	6.8702	1.3008
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	.04772	.14829	.34841	.11215	.11168	.11184	.00117
SDev	.00005	.02436	.00099	.00025	.00014	.00001	.00176
%RSD	.11299	16.429	.28520	.22278	.12788	.01077	150.61
#1	.04768	.16551	.34770	.11233	.11158	.11183	.00241
#2	.04776	.13106	.34911	.11198	.11178	.11184	-.00008
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	.00066	.00364	-.00007	.18531	.00483	.03832	.34814
SDev	.00281	.00258	.00135	.00122	.00136	.00047	.00090
%RSD	429.13	70.730	1954.8	.65787	28.132	1.2306	.25890
#1	.00265	.00547	.00089	.18617	.00580	.03798	.34750
#2	-.00133	.00182	-.00102	.18445	.00387	.03865	.34877
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.01794	.00037
SDev	.00115	.00013
%RSD	6.3978	35.766

| #1 | .01713 | .00046 |
| #2 | .01876 | .00028 |

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	4802	--	--	--	--	--	--
SDev	7.848954	--	--	--	--	--	--
%RSD	.1634458	--	--	--	--	--	--

| #1 | 4797 | -- | -- | -- | -- | -- | -- |
| #2 | 4808 | -- | -- | -- | -- | -- | -- |

Analysis Report   12/10/04 12:03:37 PM   page 1

Method: TRACE2   Sample Name: AD466610/PS   Operator: SW
Run Time: 12/10/04 11:59:17
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	97.257	.27520	.24794	1.2683	.18783	138.52	.17144
SDev	1.228	.00316	.00175	.0152	.00212	1.49	.00178
%RSD	1.2631	1.1485	.70406	1.1973	1.1268	1.0737	1.0385
#1	96.388	.27296	.24671	1.2575	.18633	137.47	.17018
#2	98.125	.27743	.24918	1.2790	.18932	139.57	.17270
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	.28391	1.8937	.49900	175.60	16.018	39.160	5.7644
SDev	.00247	.0217	.00571	2.04	.143	.410	.0638
%RSD	.86992	1.1435	1.1441	1.1593	.89408	1.0459	1.1072
#1	.28216	1.8784	.49496	174.16	15.917	38.870	5.7192
#2	.28565	1.9090	.50304	177.04	16.120	39.449	5.8095
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	.38382	10.106	1.6766	.65507	.65951	.65803	.19299
SDev	.00453	.032	.0188	.00460	.00967	.00798	.00208
%RSD	1.1807	.31947	1.1237	.70237	1.4661	1.2130	1.0753
#1	.38062	10.083	1.6633	.65182	.65267	.65239	.19152
#2	.38703	10.129	1.6899	.65833	.66634	.66367	.19446
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	.18776	.18823	.19537	.97625	.21465	.34959	1.6515
SDev	.00062	.00298	.00460	.00821	.00247	.00412	.0177
%RSD	.33163	1.5816	2.3552	.84088	1.1517	1.1777	1.0708
#1	.18820	.19033	.19212	.97045	.21290	.34668	1.6390
#2	.18732	.18612	.19863	.98206	.21639	.35250	1.6640
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm           ppm
Avge     .26267        .04753
SDev     .00135        .00049
%RSD     .51347        1.0327

#1       .26172        .04719
#2       .26363        .04788

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	5133	--	--	--	--	--	--
SDev	39.77476	--	--	--	--	--	--
%RSD	.7748945	--	--	--	--	--	--
#1	5161	--	--	--	--	--	--
#2	5105	--	--	--	--	--	--

Analysis Report   12/10/04 12:08:00 PM   page 1

Method: TRACE2   Sample Name: AD466611/MS   Operator: SW
Run Time: 12/10/04 12:03:40
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	55.832	.14425	.04598	4.9221	.10176	45.870	.09151
SDev	.180	.00001	.00179	.0047	.00007	.023	.00030
%RSD	.32312	.00327	3.8972	.09479	.06559	.05100	.32574
#1	55.704	.14426	.04724	4.9188	.10171	45.853	.09130
#2	55.960	.14425	.04471	4.9254	.10181	45.886	.09173
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	1.1163	3.3384	.80373	178.81	6.8430	21.527	3.5314
SDev	.0011	.0047	.00141	.24	.0131	.009	.0046
%RSD	.09809	.14002	.17533	.13248	.19146	.04403	.13036
#1	1.1155	3.3351	.80273	178.64	6.8523	21.521	3.5281
#2	1.1171	3.3417	.80472	178.98	6.8337	21.534	3.5346
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	.28575	.80917	3.5026	.42572	.42581	.42578	.10825
SDev	.00043	.09591	.0004	.00079	.00032	.00048	.00027
%RSD	.15137	11.852	.01079	.18638	.07572	.11256	.25049
#1	.28544	.87699	3.5023	.42516	.42558	.42544	.10844
#2	.28605	.74136	3.5029	.42628	.42604	.42612	.10806
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	.13147	.10033	.11221	1.1364	.12607	1.2065	2.2636
SDev	.00141	.00161	.00040	.0000	.00380	.0006	.0010
%RSD	1.0726	1.6095	.35708	.00420	3.0155	.05222	.04640
#1	.13048	.10147	.11193	1.1364	.12876	1.2060	2.2643
#2	.13247	.09919	.11249	1.1364	.12339	1.2069	2.2628
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 12:08:00 PM   page 2

```
Units    ppm           ppm
Avge     .06362        .09904
SDev     .00034        .00032
%RSD     .53120        .32205

#1       .06338        .09927
#2       .06385        .09881

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	4863	--	--	--	--	--	--
SDev	8.326114	--	--	--	--	--	--
%RSD	.1712069	--	--	--	--	--	--
#1	4857	--	--	--	--	--	--
#2	4869	--	--	--	--	--	--

Analysis Report   12/10/04 12:12:23 PM   page 1

Method: TRACE2   Sample Name: AD466612/SD   Operator: SW
Run Time: 12/10/04 12:08:03
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	50.804	.14598	.04967	5.4232	.09611	41.159	.08860
SDev	.333	.00174	.00127	.0323	.00058	.246	.00056
%RSD	.65496	1.1918	2.5595	.59577	.60009	.59809	.63810
#1	50.569	.14475	.04877	5.4003	.09570	40.985	.08820
#2	51.039	.14721	.05057	5.4460	.09651	41.333	.08900
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	1.0571	2.3791	.77468	179.56	6.3122	16.739	3.9437
SDev	.0066	.0136	.00472	1.16	.0198	.092	.0245
%RSD	.62725	.57016	.60917	.64586	.31403	.55073	.62022
#1	1.0524	2.3695	.77134	178.74	6.2982	16.673	3.9264
#2	1.0618	2.3887	.77802	180.38	6.3262	16.804	3.9610
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	.30264	.91369	2.4396	1.0787	1.0744	1.0758	.10326
SDev	.00178	.00686	.0148	.0057	.0108	.0053	.00055
%RSD	.58843	.75067	.60508	.52501	1.0094	.49711	.53511
#1	.30139	.91854	2.4292	1.0827	1.0668	1.0721	.10287
#2	.30390	.90884	2.4500	1.0747	1.0821	1.0796	.10365
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	.11462	.10168	.10405	.72412	.12183	1.1575	2.7327
SDev	.00022	.00023	.00071	.00367	.00052	.0070	.0171
%RSD	.18848	.22703	.68563	.50623	.42351	.60166	.62471
#1	.11447	.10151	.10355	.72152	.12220	1.1525	2.7207
#2	.11477	.10184	.10456	.72671	.12147	1.1624	2.7448
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.10928	.09398
SDev	.00021	.00003
%RSD	.19538	.02612
#1	.10943	.09397
#2	.10913	.09400
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	4949	--	--	--	--	--	--
SDev	3.871133	--	--	--	--	--	--
%RSD	.0782183	--	--	--	--	--	--
#1	4952	--	--	--	--	--	--
#2	4946	--	--	--	--	--	--

Analysis Report   12/10/04 12:16:46 PM   page 1

Method: TRACE2   Sample Name: AD466613   Operator: SW
Run Time: 12/10/04 12:12:26
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.012	.06574	.02857	1.3102	.00314	30.730	L-.00379
SDev	.328	.00057	.00043	.0083	.00005	.265	.00005
%RSD	.63005	.87493	1.5146	.63341	1.4569	.86310	1.2547
#1	51.780	.06615	.02827	1.3043	.00311	30.542	L-.00382
#2	52.244	.06534	.02888	1.3161	.00318	30.917	L-.00376
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
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	.10450	1.8443	.24306	181.07	5.1618	15.547	1.0888
SDev	.00120	.0156	.00185	1.44	.0040	.126	.0082
%RSD	1.1517	.84352	.76059	.79291	.07659	.80839	.75257
#1	.10365	1.8333	.24175	180.06	5.1591	15.458	1.0830
#2	.10535	1.8553	.24437	182.09	5.1646	15.636	1.0946
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	.26611	1.7673	1.6345	.61925	.61932	.61930	.00786
SDev	.00158	.0224	.0151	.00454	.00746	.00649	.00081
%RSD	.59169	1.2664	.92439	.73242	1.2051	1.0477	10.251
#1	.26500	1.7515	1.6238	.61604	.61405	.61471	.00729
#2	.26723	1.7831	1.6452	.62246	.62460	.62389	.00843
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	.00858	.00388	.00985	.67297	.03392	.18652	1.4251
SDev	.00145	.00263	.00253	.00516	.00053	.00147	.0117
%RSD	16.872	67.887	25.634	.76642	1.5671	.78768	.82059
#1	.00756	.00574	.00807	.66932	.03429	.18548	1.4168
#2	.00961	.00202	.01164	.67662	.03354	.18756	1.4333
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units      ppm          ppm
Avge       .07021       .00105
SDev       .00056       .00009
%RSD       .80481       8.9051

#1         .06981       .00112
#2         .07061       .00099

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	4967	--	--	--	--	--	--
SDev	18.08439	--	--	--	--	--	--
%RSD	.3641248	--	--	--	--	--	--
#1	4979	--	--	--	--	--	--
#2	4954	--	--	--	--	--	--

Analysis Report   12/10/04 12:21:09 PM   page 1

Method: TRACE2   Sample Name: AD466614   Operator: SW
Run Time: 12/10/04 12:16:49
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	74.420	.07005	.06042	.81987	.00406	59.885	-.00014
SDev	.216	.00237	.00090	.00234	.00001	.187	.00012
%RSD	.29086	3.3881	1.4955	.28529	.29375	.31281	88.614
#1	74.266	.06837	.05978	.81821	.00405	59.752	-.00005
#2	74.573	.07173	.06105	.82152	.00407	60.017	-.00022
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	.12382	2.0255	.51020	170.90	8.4090	22.722	3.2448
SDev	.00062	.0053	.00146	.57	.0222	.061	.0100
%RSD	.50370	.25945	.28605	.33537	.26385	.26633	.30853
#1	.12338	2.0218	.50917	170.49	8.3933	22.679	3.2377
#2	.12427	2.0293	.51124	171.30	8.4247	22.765	3.2519
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	.27857	1.1183	1.7632	.52330	.52758	.52615	.01143
SDev	.00047	.2456	.0049	.00262	.00201	.00221	.00119
%RSD	.16701	21.960	.27956	.50056	.38044	.42022	10.398
#1	.27824	.94462	1.7597	.52145	.52616	.52459	.01059
#2	.27890	1.2919	1.7667	.52515	.52899	.52772	.01227
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	.00958	.00514	.01458	1.0917	.02922	.21139	1.9133
SDev	.00175	.00605	.00124	.0031	.00130	.00051	.0049
%RSD	18.212	117.75	8.5296	.27974	4.4593	.24294	.25475
#1	.00835	.00086	.01546	1.0895	.02830	.21102	1.9099
#2	.01081	.00942	.01370	1.0939	.03014	.21175	1.9168
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm          ppm
Avge      .07702       .00116
SDev      .00045       .00003
%RSD      .58302       2.6467

#1        .07734       .00114
#2        .07670       .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	5079	--	--	--	--	--	--
SDev	9.121954	--	--	--	--	--	--
%RSD	.1796120	--	--	--	--	--	--
#1	5085	--	--	--	--	--	--
#2	5072	--	--	--	--	--	--

Analysis Report   12/10/04 12:25:32 PM   page 1

Method: TRACE2   Sample Name: AD466615   Operator: SW
Run Time: 12/10/04 12:21:12
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	58.038	.09160	.05064	.77703	.00372	52.376	-.00048
SDev	.151	.00029	.00024	.00247	.00001	.209	.00018
%RSD	.25964	.31428	.46755	.31756	.29174	.39828	38.186
#1	57.932	.09180	.05047	.77528	.00371	52.229	-.00035
#2	58.145	.09140	.05081	.77877	.00372	52.524	-.00061
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	.12981	2.8754	.50557	173.98	7.3295	19.517	5.0769
SDev	.00062	.0127	.00178	.83	.0176	.073	.0232
%RSD	.47583	.44250	.35124	.47525	.24009	.37221	.45714
#1	.12938	2.8664	.50432	173.40	7.3170	19.466	5.0605
#2	.13025	2.8844	.50683	174.57	7.3419	19.568	5.0933
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	.37511	.71283	2.3830	.52715	.52789	.52764	.01238
SDev	.00158	.17392	.0109	.00381	.00604	.00530	.00048
%RSD	.42238	24.399	.45691	.72227	1.1449	1.0043	3.9014
#1	.37399	.58985	2.3753	.52446	.52361	.52389	.01204
#2	.37623	.83581	2.3907	.52984	.53216	.53139	.01272
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	.01657	.01041	.01336	1.1199	.02808	.21768	1.7562
SDev	.00238	.00124	.00135	.0048	.00269	.00093	.0081
%RSD	14.395	11.924	10.069	.42709	9.5828	.42575	.46020
#1	.01825	.01129	.01241	1.1165	.02998	.21703	1.7504
#2	.01488	.00954	.01431	1.1232	.02618	.21834	1.7619
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm        ppm
Avge      .14153     .00164
SDev      .00097     .00018
%RSD      .68275     11.139

#1        .14085     .00151
#2        .14221     .00177

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	4906	--	--	--	--	--	--
SDev	14.53091	--	--	--	--	--	--
%RSD	.2961879	--	--	--	--	--	--
#1	4916	--	--	--	--	--	--
#2	4896	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 12:31:15 PM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 12:26:55
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.989	.48717	.47641	.49914	.49512	24.794	.48815
SDev	.169	.00453	.00362	.00263	.00350	.186	.00337
%RSD	.65062	.93087	.75890	.52733	.70691	.75113	.68955
#1	25.869	.48396	.47386	.49728	.49264	24.663	.48577
#2	26.108	.49037	.47897	.50100	.49759	24.926	.49053
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	.49242	.48921	.51495	24.914	25.034	24.423	.50508
SDev	.00407	.00430	.00315	.176	.091	.184	.00357
%RSD	.82678	.87890	.61151	.70499	.36457	.75172	.70635
#1	.48954	.48617	.51273	24.790	24.969	24.293	.50256
#2	.49530	.49225	.51718	25.038	25.098	24.552	.50760
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	.47667	24.749	.49640	.49156	.49242	.49214	.49635
SDev	.00354	.160	.00379	.00208	.00674	.00519	.00588
%RSD	.74210	.64503	.76388	.42287	1.3695	1.0546	1.1848
#1	.47417	24.636	.49371	.49009	.48766	.48847	.49220
#2	.47917	24.862	.49908	.49303	.49719	.49581	.50051
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	.50365	.48956	.49976	.48241	.50146	.49240	.48398
SDev	.00051	.00235	.00764	.00321	.00163	.00395	.00314
%RSD	.10091	.48081	1.5296	.66652	.32600	.80173	.64937
#1	.50329	.48790	.49435	.48014	.50030	.48961	.48176
#2	.50401	.49123	.50516	.48468	.50262	.49519	.48620
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

Analysis Report   QC Standard   12/10/04 12:31:15 PM   page 2

Units	ppm	ppm
Avge	.50864	.48996
SDev	.00438	.00417
%RSD	.86181	.85051

| #1 | .50554 | .48702 |
| #2 | .51174 | .49291 |

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	4670	- -	- -	- -	- -	- -	- -
SDev	20.73604	- -	- -	- -	- -	- -	- -
%RSD	.4440136	- -	- -	- -	- -	- -	- -

| #1 | 4685 | - - | - - | - - | - - | - - | - - |
| #2 | 4655 | - - | - - | - - | - - | - - | - - |

```
Analysis Report        Blank Sample        12/10/04 12:35:38 PM        page 1

Method: TRACE2        Sample Name: CCB                    Operator: SW
Run Time: 12/10/04 12:31:18
Comment:
Mode: CONC    Corr. Factor: 1
```

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03182	.00202	-.00017	.00016	.00009	.03003	.00003
SDev	.00353	.00130	.00068	.00006	.00006	.00386	.00002
%RSD	11.088	64.509	409.61	36.241	64.778	12.846	59.558
#1	.02933	.00295	-.00065	.00012	.00005	.02730	.00002
#2	.03432	.00110	.00032	.00021	.00012	.03276	.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	-.00018	-.00015	-.00005	.02327	-.01948	.02899	.00041
SDev	.00021	.00002	.00027	.00718	.00379	.00316	.00014
%RSD	113.88	14.235	563.08	30.844	19.482	10.909	34.716
#1	-.00033	-.00016	-.00024	.01819	-.01680	.02675	.00031
#2	-.00004	-.00013	.00014	.02835	-.02216	.03122	.00051
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	-.11019	.00003	.00123	.00003	.00043	-.00143
SDev	.00030	.07547	.00014	.00062	.00056	.00017	.00262
%RSD	131.33	68.489	389.36	50.723	2157.4	39.828	183.13
#1	.00002	-.05682	.00013	.00079	.00043	.00055	-.00329
#2	.00044	-.16355	-.00006	.00166	-.00037	.00031	.00042
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	-.00141	-.00017	-.00206	.00018	-.00368	-.00004	.00005
SDev	.00169	.00129	.00329	.00014	.00180	.00010	.00017
%RSD	120.17	751.68	159.53	79.730	48.877	238.92	349.46
#1	-.00261	-.00108	-.00439	.00008	-.00495	-.00011	-.00007
#2	-.00021	.00074	.00026	.00028	-.00241	.00003	.00017
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     .00039        .00024
SDev     .00049        .00014
%RSD     124.72        60.631

#1       .00005        .00013
#2       .00074        .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	4731	--	--	--	--	--	--
SDev	9.811107	--	--	--	--	--	--
%RSD	.2073972	--	--	--	--	--	--
#1	4724	--	--	--	--	--	--
#2	4738	--	--	--	--	--	--

Analysis Report   12/10/04 12:40:02 PM   page 1

Method: TRACE2   Sample Name: AD466616   Operator: SW
Run Time: 12/10/04 12:35:42
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	58.725	.05830	.04611	.83163	.00312	24.550	-.00084
SDev	.025	.00076	.00085	.00133	.00002	.035	.00001
%RSD	.04200	1.3084	1.8464	.16038	.49629	.14168	1.0828
#1	58.708	.05884	.04551	.83068	.00311	24.526	-.00084
#2	58.743	.05776	.04671	.83257	.00313	24.575	-.00083
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	.12630	3.9647	.75861	133.55	7.1754	16.489	3.4512
SDev	.00001	.0048	.00127	.19	.0144	.009	.0043
%RSD	.00808	.12077	.16733	.13946	.20075	.05587	.12585
#1	.12629	3.9613	.75771	133.42	7.1856	16.482	3.4481
#2	.12631	3.9681	.75951	133.68	7.1652	16.495	3.4542
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	.18954	.82247	1.9515	.51562	.51914	.51797	.01086
SDev	.00025	.09518	.0026	.00162	.00377	.00198	.00097
%RSD	.13357	11.573	.13171	.31506	.72706	.38161	8.9616
#1	.18972	.88978	1.9497	.51677	.51647	.51657	.01155
#2	.18936	.75517	1.9533	.51448	.52181	.51937	.01017
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	.01619	.00750	.01253	1.0298	.02250	.20258	1.2924
SDev	.00139	.00299	.00004	.0024	.00058	.00028	.0005
%RSD	8.6016	39.866	.29054	.22876	2.5696	.13744	.03540
#1	.01717	.00962	.01251	1.0282	.02291	.20239	1.2921
#2	.01520	.00539	.01256	1.0315	.02210	.20278	1.2928
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem   Sn1899   Ag3280

```
Units    ppm        ppm
Avge     .10828     .00128
SDev     .00100     .00048
%RSD     .92622     37.743

#1       .10899     .00162
#2       .10757     .00093

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	5015	--	--	--	--	--	--
SDev	6.894291	--	--	--	--	--	--
%RSD	.1374768	--	--	--	--	--	--
#1	5020	--	--	--	--	--	--
#2	5010	--	--	--	--	--	--

Analysis Report   12/10/04 12:44:25 PM   page 1

Method: TRACE2   Sample Name: AD466768/PB   Operator: SW
Run Time: 12/10/04 12:40:05
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01440	-.00109	.00019	.00021	.00001	.01077	-.00004
SDev	.00730	.00031	.00023	.00001	.00005	.00146	.00011
%RSD	50.717	28.512	117.47	3.1648	379.07	13.550	241.92
#1	.00923	-.00087	.00003	.00020	.00005	.00974	.00003
#2	.01956	-.00131	.00035	.00021	-.00002	.01180	-.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	-.00800	-.00300	-.00310	-.05000	-.00150

Elem	Co2286	Cr2677	Cu3247	Fe2714	K_7664	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00011	.00013	-.00003	.02186	-.00898	.00534	.00045
SDev	.00017	.00001	.00016	.00976	.03908	.00147	.00017
%RSD	152.97	5.1203	610.65	44.649	435.27	27.608	38.900
#1	.00023	.00014	.00009	.01496	.01866	.00639	.00033
#2	-.00001	.00013	-.00014	.02877	-.03661	.00430	.00057
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	-.00013	-.02114	.00054	-.00028	.00136	.00082	.00003
SDev	.00055	.14242	.00014	.00094	.00129	.00055	.00131
%RSD	416.78	673.78	26.469	337.27	94.786	67.103	4571.0
#1	.00025	.07957	.00044	.00039	.00045	.00043	.00095
#2	-.00052	-.12184	.00064	-.00095	.00228	.00120	-.00090
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	-.00065	.00461	-.00226	.00006	-.00231	.00010	-.00013
SDev	.00077	.00347	.00023	.00006	.00208	.00010	.00001
%RSD	118.75	75.218	10.002	106.55	90.114	103.57	7.9424
#1	-.00010	.00706	-.00210	.00010	-.00084	.00017	-.00012
#2	-.00120	.00216	-.00242	.00001	-.00378	.00003	-.00014
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

Analysis Report   12/10/04 12:44:25 PM   page 2

Units   ppm   ppm
Avge   .00090   .00012
SDev   .00167   .00046
%RSD   186.03   397.93

#1   -.00028   .00044
#2   .00208   -.00021

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	4712	--	--	--	--	--	--
SDev	71.01141	--	--	--	--	--	--
%RSD	1.506893	--	--	--	--	--	--
#1	4662	--	--	--	--	--	--
#2	4763	--	--	--	--	--	--

Analysis Report   12/10/04 12:48:49 PM   page 1

Method: TRACE2   Sample Name: AD466767/FB   Operator: SW
Run Time: 12/10/04 12:44:29
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.280	.20454	.19369	.19918	.20058	10.045	.20083
SDev	.015	.00037	.00032	.00013	.00018	.011	.00001
%RSD	.14582	.18239	.16675	.06355	.09156	.10935	.00409
#1	10.270	.20481	.19347	.19909	.20045	10.037	.20084
#2	10.291	.20428	.19392	.19927	.20071	10.053	.20083
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	.19950	.19807	.19925	.42185	10.413	9.9178	.19929
SDev	.00030	.00073	.00018	.00112	.006	.0138	.00026
%RSD	.15013	.36653	.08921	.26656	.06019	.13903	.13265
#1	.19929	.19756	.19938	.42264	10.418	9.9081	.19910
#2	.19972	.19858	.19912	.42105	10.409	9.9276	.19947
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	.19518	10.059	.20116	.20029	.20143	.20105	.20175
SDev	.00057	.055	.00021	.00136	.00031	.00025	.00227
%RSD	.29412	.54932	.10590	.68102	.15463	.12259	1.1235
#1	.19477	10.098	.20131	.19933	.20165	.20087	.20015
#2	.19558	10.020	.20101	.20126	.20121	.20122	.20336
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	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	.20306	.20106	.20210	.19044	.20583	.20030	.19565
SDev	.00001	.00033	.00324	.00016	.00203	.00076	.00018
%RSD	.00265	.16286	1.6014	.08458	.98489	.38207	.09287
#1	.20307	.20082	.19982	.19032	.20440	.19976	.19552
#2	.20306	.20129	.20439	.19055	.20726	.20084	.19577
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

Analysis Report   12/10/04 12:48:49 PM   page 2

```
Units     ppm         ppm
Avge      .20294      .04886
SDev      .00031      .00016
%RSD      .15255      .33693

#1        .20272      .04898
#2        .20316      .04874

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	4756	--	--	--	--	--	--
SDev	17.02339	--	--	--	--	--	--
%RSD	.3579115	--	--	--	--	--	--
#1	4744	--	--	--	--	--	--
#2	4768	--	--	--	--	--	--

Analysis Report   12/10/04 12:53:12 PM   page 1

Method: TRACE2   Sample Name: AD466754   Operator: SW
Run Time: 12/10/04 12:48:52
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.16238	.00114	2.5180	.61936	.00040	H404.79	-.00006
SDev	.00071	.00120	.0009	.00037	.00000	.74	.00000
%RSD	.43985	105.86	.03752	.05939	.26700	.18223	4.3247
#1	.16289	.00029	2.5173	.61910	.00040	H404.27	-.00007
#2	.16188	.00199	2.5187	.61962	.00040	H405.31	-.00006
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	.00092	.00241	.00173	2.2817	83.808	72.480	.48865
SDev	.00006	.00008	.00009	.0091	.094	.143	.00058
%RSD	6.4414	3.3773	5.2684	.40009	.11257	.19721	.11820
#1	.00088	.00236	.00179	2.2882	83.741	72.379	.48824
#2	.00097	.00247	.00166	2.2753	83.875	72.581	.48905
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	.00309	H3836.5	.00384	.00078	.00171	.00140	.00039
SDev	.00033	4.5	.00009	.00042	.00142	.00081	.00135
%RSD	10.662	.11620	2.4567	53.605	83.001	57.676	347.06
#1	.00286	H3833.3	.00391	.00107	.00071	.00083	-.00056
#2	.00332	H3839.6	.00378	.00048	.00271	.00197	.00134
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	.00287	.00620	-.00252	.00181	-.00331	.00010	.00681
SDev	.00154	.00443	.00020	.00023	.00096	.00012	.00000
%RSD	53.798	71.446	7.7600	12.710	29.095	115.84	.04794
#1	.00396	.00307	-.00238	.00165	-.00400	.00002	.00681
#2	.00178	.00933	-.00266	.00197	-.00263	.00018	.00681
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 12:53:12 PM   page 2

Units	ppm	ppm
Avge	.00242	-.00016
SDev	.00060	.00032
%RSD	24.832	203.47

| #1 | .00285 | .00007 |
| #2 | .00200 | -.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	4102	--	--	--	--	--	--
SDev	1.432167	--	--	--	--	--	--
%RSD	.0349138	--	--	--	--	--	--

| #1 | 4101 | -- | -- | -- | -- | -- | -- |
| #2 | 4103 | -- | -- | -- | -- | -- | -- |

Analysis Report   12/10/04 12:57:36 PM   page 1

Method: TRACE2   Sample Name: AD466754/L (1:5)   Operator: SW
Run Time: 12/10/04 12:53:16
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04571	-.00049	.48939	.12458	.00013	90.434	-.00000
SDev	.00033	.00135	.00050	.00004	.00002	.110	.00012
%RSD	.72034	275.82	.10248	.03251	13.215	.12209	22712.
#1	.04594	-.00144	.48904	.12455	.00012	90.356	-.00009
#2	.04548	.00047	.48975	.12461	.00014	90.512	.00009
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	.00022	.00091	.00053	.47888	14.310	14.726	.09977
SDev	.00014	.00032	.00028	.00703	.015	.021	.00022
%RSD	64.444	34.783	52.583	1.4687	.10682	.14293	.21774
#1	.00012	.00069	.00033	.47390	14.321	14.711	.09962
#2	.00033	.00113	.00073	.48385	14.299	14.740	.09993
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	.00041	H799.08	.00114	-.00119	.00240	.00121	-.00164
SDev	.00023	.19	.00057	.00141	.00211	.00094	.00117
%RSD	56.668	.02386	50.311	119.05	87.715	77.457	71.150
#1	.00057	H798.94	.00074	-.00019	.00091	.00055	-.00247
#2	.00025	H799.21	.00155	-.00219	.00390	.00187	-.00082
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	-.00017	-.00532	.00020	.00063	-.00091	.00029	.00131
SDev	.00197	.00152	.00099	.00003	.00196	.00037	.00009
%RSD	1145.6	28.608	501.31	3.9103	216.27	126.62	7.1840
#1	.00122	-.00640	-.00050	.00061	.00048	.00003	.00125
#2	-.00157	-.00424	.00090	.00065	-.00229	.00055	.00138
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 12:57:36 PM   page 2

```
Units    ppm          ppm
Avge     .00156       .00004
SDev     .00007       .00003
%RSD     4.3274       77.767

#1       .00151       .00006
#2       .00161       .00002

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	4508	--	--	--	--	--	--
SDev	10.76577	--	--	--	--	--	--
%RSD	.2388313	--	--	--	--	--	--
#1	4515	--	--	--	--	--	--
#2	4500	--	--	--	--	--	--

Analysis Report   12/10/04 01:01:59 PM   page 1

Method: TRACE2   Sample Name: AD466754/PS   Operator: SW
Run Time: 12/10/04 12:57:39
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.746	.22066	2.6432	.79934	.19949	H399.30	.19484
SDev	.014	.00049	.0040	.00106	.00040	.93	.00041
%RSD	.12736	.22067	.14948	.13309	.20063	.23337	.21248
#1	10.737	.22100	2.6404	.79859	.19920	H398.64	.19455
#2	10.756	.22031	2.6460	.80010	.19977	H399.96	.19513
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	.20198	.20106	.22215	2.5937	93.928	79.751	.67163
SDev	.00077	.00116	.00054	.0158	.207	.190	.00108
%RSD	.38072	.57873	.24221	.61097	.22083	.23794	.16100
#1	.20143	.20024	.22177	2.5825	93.781	79.617	.67086
#2	.20252	.20188	.22253	2.6049	94.075	79.885	.67239
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	.20781	H3716.3	.19649	.20015	.20212	.20146	.22070
SDev	.00078	3.7	.00087	.00160	.00197	.00078	.00160
%RSD	.37758	.09954	.44191	.79865	.97538	.38847	.72683
#1	.20725	H3713.7	.19588	.20128	.20072	.20091	.22183
#2	.20836	H3718.9	.19711	.19902	.20351	.20202	.21956
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	.22452	.21992	.22109	.20269	.20440	.20184	.20388
SDev	.00302	.00627	.00073	.00002	.00682	.00043	.00085
%RSD	1.3443	2.8509	.32962	.00949	3.3365	.21398	.41867
#1	.22238	.22436	.22057	.20267	.19958	.20154	.20327
#2	.22665	.21549	.22160	.20270	.20923	.20215	.20448
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm         ppm
Avge     .21364      .05650
SDev     .00157      .00004
%RSD     .73626      .07064

#1       .21253      .05647
#2       .21476      .05652

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	4105	--	--	--	--	--	--
SDev	.5303301	--	--	--	--	--	--
%RSD	.0129180	--	--	--	--	--	--
#1	4105	--	--	--	--	--	--
#2	4106	--	--	--	--	--	--

Analysis Report   12/10/04 01:06:22 PM   page 1

Method: TRACE2   Sample Name: AD466755/MS   Operator: SW
Run Time: 12/10/04 13:02:02
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1200	.04263	2.1944	2.3903	.04502	H357.50	.04400
SDev	.0010	.00209	.0030	.0043	.00011	.95	.00036
%RSD	.04644	4.8915	.13474	.18014	.23829	.26643	.81962
#1	2.1193	.04411	2.1923	2.3873	.04495	H356.83	.04375
#2	2.1207	.04116	2.1965	2.3934	.04510	H358.18	.04426
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	.45687	.17793	.24845	2.9114	73.462	63.237	.87843
SDev	.00142	.00095	.00007	.0136	.134	.178	.00216
%RSD	.31170	.53531	.02691	.46687	.18217	.28182	.24650
#1	.45586	.17726	.24840	2.9018	73.367	63.111	.87690
#2	.45788	.17860	.24850	2.9210	73.556	63.363	.87996
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	.00324	H3379.2	.45095	.01944	.01959	.01954	.05058
SDev	.00007	1.6	.00260	.00110	.00082	.00018	.00068
%RSD	2.2755	.04684	.57654	5.6565	4.1743	.91742	1.3479
#1	.00330	H3378.1	.44911	.02021	.01901	.01941	.05010
#2	.00319	H3380.3	.45278	.01866	.02016	.01966	.05106
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	.10151	.05420	.04877	.00176	.04625	.46741	.45180
SDev	.00171	.00033	.00119	.00005	.00157	.00126	.00208
%RSD	1.6859	.60856	2.4351	2.5589	3.4026	.26918	.46011
#1	.10272	.05444	.04793	.00173	.04514	.46652	.45033
#2	.10030	.05397	.04961	.00179	.04736	.46830	.45327
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 01:06:22 PM   page 2

```
Units    ppm          ppm
Avge     .00385       .05128
SDev     .00001       .00032
%RSD     .29214       .62000

#1       .00385       .05106
#2       .00386       .05151

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	4170	--	--	--	--	--	--
SDev	3.181981	--	--	--	--	--	--
%RSD	.0763051	--	--	--	--	--	--
#1	4172	--	--	--	--	--	--
#2	4168	--	--	--	--	--	--

Analysis Report   12/10/04 01:10:45 PM   page 1

Method: TRACE2   Sample Name: AD466756/SD   Operator: SW
Run Time: 12/10/04 13:06:25
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.2057	.04333	2.3186	2.4612	.04602	H374.62	.04529
SDev	.0061	.00190	.0077	.0082	.00008	.73	.00003
%RSD	.27457	4.3798	.33141	.33288	.17904	.19372	.07057
#1	2.2015	.04468	2.3132	2.4554	.04596	H374.11	.04532
#2	2.2100	.04199	2.3240	2.4670	.04608	H375.14	.04527
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	.46655	.18201	.25532	3.0553	77.345	66.486	.90825
SDev	.00114	.00042	.00125	.0007	.164	.126	.00128
%RSD	.24504	.23217	.49097	.02351	.21260	.18883	.14151
#1	.46574	.18171	.25444	3.0558	77.229	66.397	.90734
#2	.46736	.18231	.25621	3.0548	77.461	66.574	.90916
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	.00272	H3542.4	.46075	.01903	.02027	.01986	.05162
SDev	.00018	13.0	.00116	.00115	.00142	.00057	.00038
%RSD	6.7363	.36817	.25185	6.0332	7.0154	2.8507	.72743
#1	.00285	H3533.2	.45993	.01984	.01926	.01946	.05188
#2	.00259	H3551.7	.46157	.01822	.02127	.02026	.05135
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	.10680	.05461	.05012	.00215	.04600	.47679	.46127
SDev	.00118	.00184	.00036	.00032	.00213	.00127	.00095
%RSD	1.1011	3.3657	.70998	14.773	4.6379	.26587	.20566
#1	.10763	.05591	.04987	.00238	.04751	.47590	.46060
#2	.10597	.05331	.05037	.00193	.04449	.47769	.46194
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00286	.05221
SDev	.00112	.00060
%RSD	39.352	1.1458
#1	.00365	.05263
#2	.00206	.05179
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	4133	- -	- -	- -	- -	- -	- -
SDev	2.810818	- -	- -	- -	- -	- -	- -
%RSD	.0680155	- -	- -	- -	- -	- -	- -
#1	4131	- -	- -	- -	- -	- -	- -
#2	4135	- -	- -	- -	- -	- -	- -

Analysis Report   12/10/04 01:15:08 PM   page 1

Method: TRACE2   Sample Name: AD466757   Operator: SW
Run Time: 12/10/04 13:10:48
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.120	.05576	.66938	.59424	.00230	H495.54	L-.00554
SDev	.008	.00201	.00022	.00045	.00001	.96	.00008
%RSD	.08382	3.6044	.03269	.07586	.19802	.19397	1.3758
#1	10.114	.05434	.66954	.59392	.00230	H494.86	L-.00548
#2	10.126	.05719	.66923	.59456	.00230	H496.22	L-.00559
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Low
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	.03008	.17957	.01818	158.76	H373.18	H125.31	12.806
SDev	.00015	.00039	.00046	.29	.43	.23	.021
%RSD	.50548	.21721	2.5418	.18453	.11442	.17972	.16587
#1	.02997	.17930	.01785	158.56	H372.88	H125.15	12.791
#2	.03018	.17985	.01850	158.97	H373.48	H125.47	12.821
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	.01741	H620.86	.08586	.00129	.00692	.00505	.01037
SDev	.00001	.84	.00006	.00074	.00039	.00051	.00017
%RSD	.07866	.13552	.06744	57.171	5.6178	10.007	1.6705
#1	.01742	H620.27	.08581	.00181	.00720	.00540	.01025
#2	.01740	H621.46	.08590	.00077	.00665	.00469	.01049
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	.00099	.01706	.00703	.65281	.01348	.10713	.71624
SDev	.00000	.00010	.00031	.00088	.00203	.00008	.00199
%RSD	.05942	.59261	4.4171	.13418	15.088	.07846	.27799
#1	.00098	.01713	.00681	.65220	.01492	.10707	.71483
#2	.00099	.01699	.00725	.65343	.01204	.10719	.71765
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 01:15:08 PM   page 2

```
Units    ppm        ppm
Avge     .02088     .00199
SDev     .00056     .00011
%RSD     2.6734     5.4431

#1       .02128     .00191
#2       .02049     .00206

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	4669	--	--	--	--	--	--
SDev	10.18227	--	--	--	--	--	--
%RSD	.2180836	--	--	--	--	--	--
#1	4676	--	--	--	--	--	--
#2	4662	--	--	--	--	--	--

Analysis Report   12/10/04 01:19:31 PM   page 1

Method: TRACE2   Sample Name: AD466758   Operator: SW
Run Time: 12/10/04 13:15:11
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.10713	.00378	1.6971	.10754	.00008	55.854	-.00007
SDev	.00049	.00017	.0019	.00002	.00000	.002	.00013
%RSD	.45244	4.4013	.11008	.02128	.27605	.00321	172.42
#1	.10747	.00390	1.6957	.10756	.00009	55.855	-.00017
#2	.10679	.00366	1.6984	.10752	.00008	55.853	.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	.00028	.00203	.00277	.84922	52.646	13.468	.03838
SDev	.00000	.00030	.00009	.00225	.027	.012	.00000
%RSD	.06130	14.960	3.0840	.26530	.05099	.08826	.00938
#1	.00028	.00181	.00271	.85081	52.627	13.460	.03838
#2	.00028	.00224	.00283	.84762	52.665	13.476	.03838
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	.03317	H701.71	.00285	.00122	.00048	.00073	.00078
SDev	.00004	.65	.00001	.00148	.00049	.00082	.00266
%RSD	.11243	.09303	.19787	121.24	101.31	112.43	342.00
#1	.03314	H701.25	.00285	.00017	.00014	.00015	.00266
#2	.03319	H702.17	.00285	.00227	.00083	.00131	-.00110
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	.00170	-.00034	.00134	.00310	-.00216	.00110	.00308
SDev	.00098	.00059	.00370	.00017	.00160	.00026	.00017
%RSD	57.868	173.80	276.88	5.4081	74.222	23.796	5.4966
#1	.00239	.00008	.00395	.00298	-.00103	.00092	.00320
#2	.00100	-.00075	-.00128	.00322	-.00329	.00129	.00296
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00169	.00022
SDev	.00024	.00027
%RSD	14.282	120.06

| #1 | .00152 | .00003 |
| #2 | .00187 | .00041 |

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	4521	--	--	--	--	--	--
SDev	10.39426	--	--	--	--	--	--
%RSD	.2299031	--	--	--	--	--	--
#1	4528	--	--	--	--	--	--
#2	4514	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 01:25:14 PM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 13:20:54
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.610	.49828	.48587	.50887	.50298	25.257	.49630
SDev	.076	.00316	.00000	.00088	.00047	.052	.00080
%RSD	.28376	.63349	.00078	.17219	.09380	.20420	.16171
#1	26.557	.50052	.48587	.50825	.50265	25.220	.49573
#2	26.664	.49605	.48588	.50948	.50332	25.293	.49686
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	.50074	.49732	.52633	25.295	25.533	24.841	.51213
SDev	.00026	.00010	.00156	.023	.039	.033	.00036
%RSD	.05119	.01927	.29681	.09062	.15179	.13094	.06998
#1	.50056	.49725	.52522	25.279	25.505	24.818	.51188
#2	.50092	.49739	.52743	25.311	25.560	24.864	.51239
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	.48357	25.408	.50494	.50040	.49978	.49998	.50516
SDev	.00056	.175	.00059	.00191	.00439	.00356	.00361
%RSD	.11485	.68787	.11742	.38079	.87792	.71224	.71434
#1	.48317	25.284	.50452	.49905	.49668	.49747	.50261
#2	.48396	25.531	.50536	.50175	.50288	.50250	.50772
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	.51650	.50230	.50660	.49490	.50799	.50019	.49259
SDev	.00231	.00374	.00355	.00068	.00063	.00034	.00108
%RSD	.44684	.74351	.69987	.13731	.12367	.06868	.21956
#1	.51813	.49966	.50410	.49442	.50843	.49995	.49182
#2	.51487	.50494	.50911	.49538	.50754	.50044	.49335
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	.51623	.49915
SDev	.00199	.00179
%RSD	.38647	.35865
#1	.51482	.49788
#2	.51764	.50042
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	4656	--	--	--	--	--	--
SDev	8.538452	--	--	--	--	--	--
%RSD	.1833963	--	--	--	--	--	--
#1	4650	--	--	--	--	--	--
#2	4662	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 01:29:37 PM   page 1

Method: TRACE2   Sample Name: CCB   Operator: SW
Run Time: 12/10/04 13:25:17
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02576	.00027	.00117	.00017	.00009	.03906	.00014
SDev	.00015	.00016	.00052	.00000	.00000	.00071	.00007
%RSD	.58133	61.379	44.114	1.9773	4.4828	1.8209	50.539
#1	.02565	.00038	.00154	.00018	.00010	.03956	.00009
#2	.02587	.00015	.00081	.00017	.00009	.03856	.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	.00007	.00017	-.00012	.02241	.00062	.02738	.00033
SDev	.00019	.00004	.00035	.00443	.02792	.00139	.00002
%RSD	255.88	25.355	285.90	19.753	4515.2	5.0641	5.9632
#1	.00021	.00020	.00012	.02553	.02036	.02836	.00032
#2	-.00006	.00014	-.00037	.01928	-.01912	.02640	.00035
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	.00007	-.01133	.00036	-.00101	.00075	.00016	.00070
SDev	.00062	.10772	.00020	.00051	.00037	.00041	.00180
%RSD	953.27	950.41	55.543	50.385	49.025	258.82	257.77
#1	.00051	.06484	.00050	-.00065	.00101	.00045	.00197
#2	-.00038	-.08750	.00022	-.00138	.00049	-.00013	-.00057
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	-.00046	-.00006	.00108	.00003	.00084	.00024	.00011
SDev	.00063	.00525	.00007	.00028	.00338	.00020	.00000
%RSD	136.39	8442.3	6.8267	1038.7	404.86	83.201	.78175
#1	-.00091	.00365	.00113	.00022	.00323	.00038	.00011
#2	-.00002	-.00377	.00103	-.00017	-.00156	.00010	.00011
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

Analysis Report   Blank Sample   12/10/04 01:29:37 PM   page 2

Units	ppm	ppm
Avge	.00029	.00001
SDev	.00030	.00005
%RSD	103.31	449.82

| #1 | .00050 | -.00002 |
| #2 | .00008 | .00005 |

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	4735	--	--	--	--	--	--
SDev	3.818308	--	--	--	--	--	--
%RSD	.0806418	--	--	--	--	--	--

| #1 | 4732 | -- | -- | -- | -- | -- | -- |
| #2 | 4738 | -- | -- | -- | -- | -- | -- |

Analysis Report   12/10/04 01:34:00 PM   page 1

Method: TRACE2   Sample Name: AD466759   Operator: SW
Run Time: 12/10/04 13:29:40
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.03364	.01142	.73016	.63282	.00004	161.94	-.00005
SDev	.00090	.00038	.00363	.00303	.00002	.87	.00001
%RSD	2.6754	3.3072	.49709	.47892	33.992	.53435	17.201
#1	.03301	.01169	.73272	.63496	.00005	162.55	-.00006
#2	.03428	.01115	.72759	.63068	.00003	161.33	-.00004
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	.00022	.00342	.00003	.65933	26.869	34.198	.14864
SDev	.00009	.00029	.00011	.00032	.049	.192	.00077
%RSD	39.247	8.4396	313.15	.04863	.18282	.56250	.52041
#1	.00028	.00322	-.00004	.65911	26.904	34.334	.14918
#2	.00016	.00362	.00011	.65956	26.834	34.062	.14809
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	.00060	H106.64	.00146	-.00021	.00070	.00040	-.00103
SDev	.00014	.18	.00012	.00086	.00032	.00008	.00088
%RSD	23.109	.16934	7.9504	407.42	45.004	19.133	85.338
#1	.00050	H106.51	.00138	.00040	.00048	.00045	-.00165
#2	.00070	H106.76	.00154	-.00082	.00093	.00035	-.00041
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	.00131	-.00230	-.00040	.01199	-.00400	.00343	.00300
SDev	.00204	.00104	.00184	.00020	.00122	.00002	.00015
%RSD	155.99	45.083	461.87	1.6716	30.569	.59870	4.9849
#1	.00275	-.00157	-.00170	.01213	-.00486	.00345	.00290
#2	-.00013	-.00303	.00090	.01184	-.00314	.00342	.00311
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00077	.00014
SDev	.00154	.00001
%RSD	199.75	7.7295
#1	-.00032	.00015
#2	.00186	.00014

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	4675	--	--	--	--	--	--
SDev	26.56968	--	--	--	--	--	--
%RSD	.5683520	--	--	--	--	--	--
#1	4656	--	--	--	--	--	--
#2	4694	--	--	--	--	--	--

Analysis Report   12/10/04 01:38:23 PM   page 1

Method: TRACE2   Sample Name: AD466760   Operator: SW
Run Time: 12/10/04 13:34:03
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.78197	.05584	.60736	5.5172	.00084	H705.77	L-.01258
SDev	.00344	.00170	.00154	.0081	.00001	.37	.00011
%RSD	.43965	3.0379	.25315	.14739	1.3927	.05238	.85176
#1	.77954	.05464	.60628	5.5115	.00085	H706.03	L-.01250
#2	.78440	.05703	.60845	5.5230	.00083	H705.51	L-.01265
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Low
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	.01315	.06660	.00225	372.16	H158.06	H153.74	H38.728
SDev	.00007	.00007	.00027	.03	.18	.06	.015
%RSD	.56880	.11207	11.833	.00927	.11244	.04215	.03976
#1	.01320	.06666	.00206	372.19	H157.93	H153.79	H38.739
#2	.01310	.06655	.00244	372.14	H158.18	H153.69	H38.717
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High	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	-.00478	H2037.4	.01839	-.00055	.00562	.00357	.01676
SDev	.00034	3.1	.00054	.00233	.00014	.00087	.00134
%RSD	7.0159	.15201	2.9492	420.17	2.5263	24.419	7.9815
#1	-.00454	H2035.3	.01800	.00109	.00573	.00418	.01582
#2	L-.00501	H2039.6	.01877	-.00220	.00552	.00295	.01771
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	-.00119	.03278	.00875	.41965	.04628	.07742	.01281
SDev	.00295	.00246	.00324	.00030	.00181	.00020	.00005
%RSD	247.83	7.5133	36.995	.07155	3.9017	.25294	.41407
#1	-.00328	.03452	.00646	.41944	.04756	.07728	.01278
#2	.00090	.03104	.01104	.41986	.04501	.07756	.01285
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 01:38:23 PM   page 2

Units	ppm	ppm
Avge	.01210	.00477
SDev	.00196	.00003
%RSD	16.212	.61166
#1	.01071	.00479
#2	.01349	.00475

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	4382	--	--	--	--	--	--
SDev	6.523129	--	--	--	--	--	--
%RSD	.1488521	--	--	--	--	--	--
#1	4378	--	--	--	--	--	--
#2	4387	--	--	--	--	--	--

```
Analysis Report                        12/10/04 01:42:47 PM              page 1

Method: TRACE2        Sample Name: AD466761              Operator: SW
Run Time: 12/10/04 13:38:27
Comment:
Mode: CONC    Corr. Factor: 1
```

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.75470	.05750	.58994	.16079	.00089	H489.82	-.00054
SDev	.00345	.00076	.00199	.00048	.00004	3.38	.00000
%RSD	.45693	1.3305	.33725	.29574	4.3437	.68985	.18206
#1	.75226	.05696	.58853	.16045	.00086	H487.43	-.00054
#2	.75714	.05805	.59134	.16112	.00092	H492.21	-.00054
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	.00355	.08973	.00246	6.9806	H227.82	H208.28	6.4344
SDev	.00019	.00091	.00034	.0429	.82	1.59	.0377
%RSD	5.2500	1.0181	13.998	.61503	.36021	.76294	.58643
#1	.00342	.08908	.00222	6.9502	H227.24	H207.16	6.4078
#2	.00369	.09038	.00271	7.0109	H228.40	H209.41	6.4611
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	.00339	H4529.6	.02009	.00297	.00086	.00156	.00587
SDev	.00030	8.6	.00020	.00150	.00111	.00024	.00314
%RSD	8.8845	.19049	.97895	50.444	129.07	15.598	53.567
#1	.00360	H4523.5	.01995	.00403	.00008	.00139	.00364
#2	.00318	H4535.7	.02023	.00191	.00165	.00174	.00809
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	.00298	.01218	.00271	.99176	-.00881	.12329	.02062
SDev	.00015	.00218	.00363	.00404	.00164	.00041	.00038
%RSD	5.1060	17.866	133.77	.40787	18.639	.33547	1.8555
#1	.00308	.01064	.00015	.98890	-.00998	.12300	.02035
#2	.00287	.01372	.00527	.99463	-.00765	.12358	.02089
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm          ppm
Avge      .01341       .00188
SDev      .00022       .00042
%RSD      1.6289       22.180

#1        .01357       .00158
#2        .01326       .00217

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	4276	--	--	--	--	--	--
SDev	20.04655	--	--	--	--	--	--
%RSD	.4687852	--	--	--	--	--	--
#1	4290	--	--	--	--	--	--
#2	4262	--	--	--	--	--	--

Analysis Report   12/10/04 01:47:11 PM   page 1

Method: TRACE2   Sample Name: AD466762   Operator: SW
Run Time: 12/10/04 13:42:50
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.58165	.00236	2.0164	.01642	.00003	16.219	-.00014
SDev	.00535	.00029	.0025	.00000	.00001	.028	.00008
%RSD	.92023	12.106	.12264	.00859	33.607	.17215	56.802
#1	.57786	.00257	2.0147	.01641	.00002	16.199	-.00020
#2	.58543	.00216	2.0182	.01642	.00004	16.239	-.00009
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	.00066	.00005	.75027	13.532	2.4636	.01162
SDev	.00033	.00008	.00000	.00013	.028	.0027	.00000
%RSD	627.46	12.573	6.5427	.01758	.20774	.10819	.02169
#1	.00018	.00071	.00005	.75036	13.552	2.4617	.01162
#2	-.00029	.00060	.00004	.75018	13.513	2.4655	.01162
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	.00907	H301.34	.00060	.00262	-.00080	.00034	-.00102
SDev	.00004	.51	.00009	.00127	.00010	.00036	.00132
%RSD	.41916	.16945	14.388	48.436	12.435	105.01	128.88
#1	.00910	H300.98	.00066	.00352	-.00087	.00059	-.00195
#2	.00905	H301.70	.00054	.00172	-.00073	.00009	-.00009
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	.00127	.00350	-.00328	.01755	-.00197	.00062	.00149
SDev	.00076	.00254	.00070	.00056	.00042	.00015	.00010
%RSD	59.759	72.725	21.388	3.2010	21.152	24.639	6.4099
#1	.00180	.00170	-.00377	.01795	-.00226	.00052	.00142
#2	.00073	.00529	-.00278	.01715	-.00168	.00073	.00156
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm          ppm
Avge      .00079       .00005
SDev      .00159       .00029
%RSD      200.24       612.39


#1        .00192       .00025
#2       -.00033      -.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	4681	--	--	--	--	--	--
SDev	19.46305	--	--	--	--	--	--
%RSD	.4157804	--	--	--	--	--	--
#1	4695	--	--	--	--	--	--
#2	4667	--	--	--	--	--	--

Analysis Report   12/10/04 01:51:34 PM   page 1

Method: TRACE2 Sample Name: AD466763   Operator: SW
Run Time: 12/10/04 13:47:14
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.51002	.01871	.51153	.28216	.00018	149.40	-.00014
SDev	.00032	.00131	.00006	.00005	.00000	.08	.00003
%RSD	.06246	6.9974	.01243	.01862	.38814	.05304	22.113
#1	.51025	.01778	.51157	.28219	.00018	149.34	-.00016
#2	.50980	.01964	.51148	.28212	.00018	149.46	-.00012
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	.00357	.00049	.98876	67.172	20.887	.49508
SDev	.00016	.00016	.00006	.00163	.077	.010	.00015
%RSD	31.707	4.6168	11.523	.16451	.11408	.04984	.02953
#1	.00040	.00369	.00053	.98991	67.226	20.894	.49498
#2	.00064	.00345	.00045	.98761	67.117	20.879	.49518
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	.00131	H1183.5	.00382	.00110	-.00131	-.00051	-.00006
SDev	.00024	.0	.00028	.00109	.00203	.00099	.00130
%RSD	18.529	.00027	7.4702	98.960	155.10	195.74	2044.2
#1	.00113	H1183.5	.00362	.00033	.00013	.00019	-.00098
#2	.00148	H1183.5	.00402	.00188	-.00275	-.00121	.00086
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	.00142	.00283	-.00151	.01700	-.00283	.00806	.00188
SDev	.00007	.00103	.00144	.00131	.00164	.00026	.00009
%RSD	5.1348	36.461	95.186	7.7167	58.006	3.2246	4.8833
#1	.00147	.00210	-.00253	.01793	-.00399	.00825	.00181
#2	.00137	.00356	-.00049	.01607	-.00167	.00788	.00194
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm        ppm
Avge     .00298     .00060
SDev     .00058     .00009
%RSD     19.448     14.477

#1       .00257     .00054
#2       .00339     .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	4443	--	--	--	--	--	--
SDev	2.280489	--	--	--	--	--	--
%RSD	.0513229	--	--	--	--	--	--
#1	4445	--	--	--	--	--	--
#2	4442	--	--	--	--	--	--

Analysis Report   12/10/04 01:55:58 PM   page 1

Method: TRACE2   Sample Name: AD466764   Operator: SW
Run Time: 12/10/04 13:51:37
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.33724	.01487	.45964	.03749	.00027	241.48	-.00013
SDev	.00348	.00090	.00114	.00002	.00002	.01	.00008
%RSD	1.0306	6.0556	.24717	.04593	5.9907	.00361	66.736
#1	.33970	.01424	.45884	.03750	.00029	241.49	-.00007
#2	.33478	.01551	.46044	.03748	.00026	241.47	-.00019
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	.00109	.00576	.00436	3.4184	H110.30	57.496	.39860
SDev	.00002	.00025	.00029	.0067	.12	.021	.00027
%RSD	2.1880	4.2840	6.6956	.19564	.11138	.03571	.06672
#1	.00111	.00594	.00456	3.4232	H110.22	57.481	.39841
#2	.00108	.00559	.00415	3.4137	H110.39	57.510	.39878
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	.00050	H4319.7	.00580	.00267	.00076	.00140	-.00005
SDev	.00023	6.3	.00012	.00133	.00017	.00056	.00207
%RSD	46.638	.14478	1.9986	49.624	22.335	39.705	4200.0
#1	.00067	H4315.3	.00572	.00174	.00064	.00101	.00141
#2	.00034	H4324.1	.00588	.00361	.00088	.00179	-.00151
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	.00145	.00319	-.00167	.00644	-.00052	.00747	.01345
SDev	.00011	.00296	.00162	.00003	.00255	.00010	.00006
%RSD	7.4542	92.749	97.083	.47867	489.23	1.3582	.48585
#1	.00153	.00529	-.00052	.00642	.00128	.00755	.01341
#2	.00137	.00110	-.00282	.00647	-.00232	.00740	.01350
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units      ppm          ppm
Avge       .00371       .00056
SDev       .00024       .00001
%RSD       6.3696       1.5483

#1         .00387       .00055
#2         .00354       .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	4109	--	--	--	--	--	--
SDev	23.59986	--	--	--	--	--	--
%RSD	.5742949	--	--	--	--	--	--
#1	4093	--	--	--	--	--	--
#2	4126	--	--	--	--	--	--

Analysis Report   12/10/04 02:00:21 PM   page 1

Method: TRACE2   Sample Name: AD466765   Operator: SW
Run Time: 12/10/04 13:56:01
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.05691	.13203	.30414	1.1627	.00018	H313.27	L-.00246
SDev	.00071	.00141	.00073	.0014	.00002	.43	.00015
%RSD	1.2514	1.0646	.24089	.11661	10.609	.13662	6.0440
#1	.05741	.13103	.30362	1.1618	.00019	H313.58	L-.00236
#2	.05640	.13302	.30465	1.1637	.00016	H312.97	L-.00257
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Low
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	.00616	.01401	.00223	63.036	H100.83	48.616	4.9323
SDev	.00024	.00004	.00027	.111	.09	.060	.0056
%RSD	3.9609	.26233	12.243	.17626	.08660	.12375	.11381
#1	.00633	.01403	.00242	63.115	H100.90	48.659	4.9362
#2	.00599	.01398	.00204	62.958	H100.77	48.574	4.9283
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	.00038	H544.95	.01471	.00149	.00041	.00077	.00468
SDev	.00029	.60	.00018	.00049	.00097	.00081	.00030
%RSD	74.641	.11094	1.2003	32.611	237.68	105.14	6.3740
#1	.00018	H545.38	.01483	.00115	-.00028	.00020	.00447
#2	.00059	H544.52	.01458	.00183	.00109	.00134	.00489
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	.00246	.00895	.00255	.03242	.00555	.01610	.01397
SDev	.00088	.00126	.00108	.00008	.00085	.00019	.00002
%RSD	35.969	14.085	42.337	.26001	15.400	1.1911	.15812
#1	.00308	.00985	.00178	.03236	.00615	.01623	.01395
#2	.00183	.00806	.00331	.03248	.00495	.01596	.01398
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899.	Ag3280

```
Units     ppm          ppm
Avge      .00348       .00075
SDev      .00012       .00003
%RSD      3.3136       3.7572

#1        .00340       .00073
#2        .00356       .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	4572	--	--	--	--	--	--
SDev	23.81203	--	--	--	--	--	--
%RSD	.5208273	--	--	--	--	--	--
#1	4555	--	--	--	--	--	--
#2	4589	--	--	--	--	--	--

Analysis Report   12/10/04 02:23:37 PM   page 1

Method: TRACE2   Sample Name: AD466766   Operator: SW
Run Time: 12/10/04 14:19:17
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00020	.00089	-.00010	.00063	-.00002	.07992	-.00007
SDev	.00269	.00200	.00037	.00006	.00001	.01499	.00009
%RSD	1317.5	225.79	384.46	9.8360	49.464	18.762	127.51
#1	-.00211	-.00053	.00017	.00059	-.00001	.06932	-.00001
#2	.00170	.00230	-.00036	.00068	-.00003	.09053	-.00013
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	-.00019	.00041	-.00067	.01560	.00499	.01362	.00181
SDev	.00009	.00028	.00003	.00362	.02362	.00309	.00014
%RSD	44.735	68.787	3.7986	23.193	473.22	22.652	7.7493
#1	-.00026	.00021	-.00065	.01816	.02169	.01144	.00171
#2	-.00013	.00061	-.00069	.01304	-.01171	.01580	.00191
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	.00006	.25104	-.00016	.00149	.00048	.00082	.00012
SDev	.00036	.08036	.00003	.00094	.00049	.00002	.00027
%RSD	655.41	32.012	21.467	63.124	102.23	1.9169	220.20
#1	-.00020	.19421	-.00019	.00215	.00013	.00081	-.00007
#2	.00031	.30786	-.00014	.00082	.00083	.00083	.00032
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	.00118	.00186	-.00075	-.00004	-.00390	.00003	.00032
SDev	.00155	.00249	.00083	.00003	.00005	.00020	.00004
%RSD	131.58	133.49	111.83	78.363	1.2302	688.63	13.886
#1	.00227	.00010	-.00016	-.00002	-.00387	.00017	.00035
#2	.00008	.00362	-.00133	-.00006	-.00394	-.00011	.00029
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 02:23:37 PM   page 2

```
Units    ppm          ppm
Avge     .00115       .00019
SDev     .00004       .00020
%RSD     3.1236       106.46

#1       .00112       .00034
#2       .00117       .00005

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	4736	--	--	--	--	--	--
SDev	3.977476	--	--	--	--	--	--
%RSD	.0839894	--	--	--	--	--	--
#1	4733	--	--	--	--	--	--
#2	4738	--	--	--	--	--	--

Analysis Report   12/10/04 02:28:01 PM   page 1

Method: TRACE2   Sample Name: AD466741/PB   Operator: SW
Run Time: 12/10/04 14:23:40
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00099	.00074	.00046	.00001	-.00000	.01428	.00003
SDev	.00086	.00128	.00044	.00006	.00001	.00051	.00012
%RSD	87.085	173.40	97.746	552.27	483.43	3.5534	432.90
#1	.00038	.00165	.00077	-.00003	-.00001	.01464	-.00006
#2	.00160	-.00017	.00014	.00006	.00000	.01392	.00011
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	-.00026	-.00021	-.00063	.00200	-.00586	.00282	.00016
SDev	.00010	.00001	.00029	.00121	.01461	.00206	.00000
%RSD	40.024	3.4840	46.089	60.620	249.44	72.896	.10183
#1	-.00033	-.00021	-.00084	.00114	.00447	.00137	.00016
#2	-.00019	-.00020	-.00043	.00285	-.01618	.00428	.00016
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	-.00053	-.00113	.00014	.00109	.00034	.00059	.00094
SDev	.00008	.02443	.00012	.00125	.00189	.00084	.00135
%RSD	15.616	2171.1	82.833	114.86	550.16	142.41	142.77
#1	-.00059	-.01840	.00006	.00020	.00168	.00119	.00190
#2	-.00047	.01615	.00023	.00197	-.00099	-.00000	-.00001
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	-.00105	.00430	-.00073	-.00013	-.00309	-.00008	.00017
SDev	.00009	.00292	.00348	.00002	.00099	.00005	.00000
%RSD	8.7984	68.008	474.80	17.782	31.917	65.515	.40616
#1	-.00112	.00223	.00173	-.00015	-.00239	-.00004	.00017
#2	-.00099	.00636	-.00320	-.00012	-.00378	-.00011	.00017
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     .00044       .00008
SDev     .00154       .00009
%RSD     353.75       110.07

#1       -.00065      .00015
#2       .00153       .00002

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	4711	--	--	--	--	--	--
SDev	3.023158	--	--	--	--	--	--
%RSD	.0641773	--	--	--	--	--	--
#1	4713	--	--	--	--	--	--
#2	4708	--	--	--	--	--	--

Analysis Report   12/10/04 02:32:24 PM   page 1

Method: TRACE2   Sample Name: AD466740/FB   Operator: SW
Run Time: 12/10/04 14:28:04
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.685	.21192	.20180	.20710	.20892	10.467	.20891
SDev	.002	.00116	.00076	.00013	.00015	.004	.00009
%RSD	.02195	.54646	.37773	.06150	.07130	.04211	.04213
#1	10.686	.21110	.20234	.20719	.20903	10.470	.20885
#2	10.683	.21274	.20126	.20701	.20882	10.463	.20898
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	.20718	.20627	.20701	.42883	10.756	10.324	.20738
SDev	.00034	.00005	.00017	.00275	.026	.001	.00023
%RSD	.16644	.02556	.08361	.64108	.24197	.01230	.11305
#1	.20742	.20624	.20714	.43077	10.774	10.325	.20754
#2	.20693	.20631	.20689	.42688	10.737	10.323	.20721
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	.20251	10.340	.20866	.20789	.20882	.20851	.20780
SDev	.00005	.131	.00011	.00145	.00003	.00046	.00003
%RSD	.02292	1.2695	.05096	.69817	.01495	.22181	.01218
#1	.20248	10.433	.20859	.20891	.20880	.20884	.20782
#2	.20254	10.248	.20874	.20686	.20884	.20818	.20779
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	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	.21216	.20730	.20806	.19905	.21383	.20802	.20361
SDev	.00074	.00421	.00214	.00009	.00097	.00014	.00016
%RSD	.34883	2.0314	1.0303	.04248	.45571	.06796	.07714
#1	.21164	.20433	.20957	.19911	.21314	.20812	.20373
#2	.21269	.21028	.20654	.19899	.21452	.20792	.20350
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	.21063	.05108
SDev	.00057	.00007
%RSD	.27190	.13272
#1	.21022	.05103
#2	.21103	.05113
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	4706	--	--	--	--	--	--
SDev	21.26603	--	--	--	--	--	--
%RSD	.4518714	--	--	--	--	--	--
#1	4691	--	--	--	--	--	--
#2	4721	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 02:38:07 PM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 14:33:47
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.754	.50342	.48738	.51265	.50753	25.544	.50037
SDev	.044	.00382	.00221	.00199	.00167	.079	.00178
%RSD	.16511	.75965	.45391	.38840	.32816	.30939	.35480
#1	26.722	.50071	.48581	.51124	.50636	25.489	.49912
#2	26.785	.50612	.48894	.51406	.50871	25.600	.50163
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	.50432	.50095	.52926	25.482	25.501	25.139	.51752
SDev	.00184	.00161	.00115	.061	.032	.057	.00167
%RSD	.36511	.32121	.21661	.24133	.12403	.22592	.32163
#1	.50301	.49981	.52845	25.438	25.478	25.099	.51634
#2	.50562	.50209	.53007	25.525	25.523	25.179	.51870
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	.48688	25.383	.50916	.50094	.50663	.50473	.51213
SDev	.00039	.055	.00211	.00101	.00418	.00313	.00198
%RSD	.08035	.21821	.41475	.20154	.82527	.61913	.38750
#1	.48660	25.344	.50767	.50023	.50367	.50252	.51353
#2	.48716	25.422	.51066	.50165	.50958	.50694	.51073
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	.52290	.51141	.51250	.50029	.51898	.50350	.49745
SDev	.00019	.00370	.00113	.00164	.00352	.00187	.00149
%RSD	.03570	.72279	.22021	.32826	.67786	.37228	.29938
#1	.52303	.51402	.51330	.49913	.51649	.50217	.49640
#2	.52277	.50880	.51170	.50145	.52147	.50482	.49851
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	.52092	.50342
SDev	.00281	.00061
%RSD	.53891	.12163
#1	.51894	.50298
#2	.52291	.50385
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	4633	--	--	--	--	--	--
SDev	13.04591	--	--	--	--	--	--
%RSD	.2815791	--	--	--	--	--	--
#1	4642	--	--	--	--	--	--
#2	4624	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 02:42:30 PM   page 1

Method: TRACE2   Sample Name: CCB   Operator: SW
Run Time: 12/10/04 14:38:10
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02515	.00148	.00096	.00022	.00016	.03733	.00013
SDev	.00015	.00085	.00089	.00001	.00000	.00019	.00006
%RSD	.57452	57.203	92.112	6.1200	1.0208	.50702	46.285
#1	.02505	.00088	.00159	.00023	.00016	.03747	.00017
#2	.02526	.00208	.00034	.00021	.00016	.03720	.00008
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	.00019	.00004	.00015	.01955	.00432	.02705	.00049
SDev	.00009	.00004	.00009	.00327	.02819	.00160	.00001
%RSD	45.273	91.742	59.121	16.735	652.76	5.9070	1.9768
#1	.00025	.00001	.00009	.02186	.02425	.02818	.00049
#2	.00013	.00006	.00021	.01724	-.01562	.02592	.00050
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	-.00022	.14308	.00049	.00010	.00055	.00040	-.00200
SDev	.00044	.03575	.00001	.00061	.00009	.00014	.00196
%RSD	197.23	24.985	2.2597	578.48	16.564	35.138	98.019
#1	.00009	.16835	.00049	-.00032	.00061	.00030	-.00339
#2	-.00053	.11780	.00050	.00053	.00048	.00050	-.00062
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	.00089	-.00253	-.00174	.00017	-.00203	.00039	.00006
SDev	.00173	.00070	.00259	.00004	.00202	.00000	.00009
%RSD	195.46	27.831	149.05	21.707	99.348	.17291	143.97
#1	-.00034	-.00303	-.00358	.00020	-.00060	.00039	.00012
#2	.00211	-.00203	.00009	.00015	-.00345	.00039	-.00000
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

Analysis Report   Blank Sample   12/10/04 02:42:30 PM   page 2

```
Units    ppm          ppm
Avge     .00213       .00044
SDev     .00011       .00003
%RSD     5.0013       7.0391

#1       .00221       .00042
#2       .00206       .00046

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	4666	--	--	--	--	--	--
SDev	4.242641	--	--	--	--	--	--
%RSD	.0909170	--	--	--	--	--	--
#1	4664	--	--	--	--	--	--
#2	4670	--	--	--	--	--	--

Analysis Report   12/10/04 02:46:54 PM   page 1

Method: TRACE2   Sample Name: AD466727   Operator: SW
Run Time: 12/10/04 14:42:33
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00170	.00013	2.4740	.60389	.00039	H397.65	-.00003
SDev	.00076	.00040	.0044	.00012	.00001	.29	.00007
%RSD	44.833	310.09	.17836	.01985	1.3978	.07190	238.11
#1	.00116	-.00015	2.4709	.60397	.00039	H397.44	.00002
#2	.00224	.00041	2.4772	.60380	.00039	H397.85	-.00008
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	.00107	.00030	.00063	1.8818	82.577	71.253	.47579
SDev	.00002	.00011	.00017	.0043	.110	.045	.00063
%RSD	1.8632	35.942	27.850	.22617	.13379	.06269	.13182
#1	.00109	.00038	.00075	1.8788	82.499	71.221	.47535
#2	.00106	.00022	.00050	1.8848	82.655	71.285	.47624
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	.00315	H3769.1	.00247	-.00175	.00038	-.00033	-.00147
SDev	.00014	2.2	.00030	.00205	.00018	.00056	.00096
%RSD	4.3454	.05737	12.237	117.39	48.172	170.74	65.354
#1	.00305	H3767.5	.00268	-.00030	.00025	.00007	-.00079
#2	.00325	H3770.6	.00225	-.00320	.00051	-.00073	-.00215
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	.00006	.00013	-.00228	-.00046	-.00186	-.00026	.00100
SDev	.00076	.00059	.00174	.00007	.00152	.00041	.00000
%RSD	1188.0	442.62	76.364	15.018	81.807	157.21	.07839
#1	.00061	-.00028	-.00105	-.00051	-.00078	-.00054	.00100
#2	-.00048	.00055	-.00350	-.00042	-.00293	.00003	.00100
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 02:46:54 PM   page 2

```
Units     ppm          ppm
Avge      .00127       -.00002
SDev      .00027        .00006
%RSD     21.363       253.11

#1        .00146       -.00007
#2        .00108        .00002

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	4056	--	--	--	--	--	--
SDev	1.113659	--	--	--	--	--	--
%RSD	.0274558	--	--	--	--	--	--
#1	4057	--	--	--	--	--	--
#2	4055	--	--	--	--	--	--

Analysis Report   12/10/04 02:51:17 PM   page 1

Method: TRACE2   Sample Name: AD466727/L (1:5)   Operator: SW
Run Time: 12/10/04 14:46:57
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01169	.00115	.48008	.12081	.00016	88.178	-.00005
SDev	.00101	.00197	.00299	.00028	.00001	.176	.00002
%RSD	8.6026	171.48	.62255	.23014	5.6769	.20012	44.194
#1	.01098	.00255	.47797	.12061	.00017	88.053	-.00006
#2	.01240	-.00024	.48220	.12101	.00015	88.302	-.00003
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	-.00004	.00015	.39417	14.041	14.430	.09697
SDev	.00004	.00015	.00012	.00584	.016	.046	.00016
%RSD	289.76	403.26	77.633	1.4823	.11345	.32028	.16855
#1	-.00001	-.00014	.00007	.39004	14.030	14.397	.09686
#2	.00004	.00007	.00024	.39830	14.052	14.463	.09709
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	.00063	H779.35	.00047	.00117	-.00093	-.00023	-.00277
SDev	.00005	.92	.00025	.00016	.00058	.00034	.00152
%RSD	7.8643	.11769	54.060	13.304	63.040	148.06	54.787
#1	.00067	H778.70	.00029	.00128	-.00134	-.00047	-.00170
#2	.00060	H780.00	.00064	.00106	-.00051	.00001	-.00384
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	.00132	-.00280	-.00275	.00013	-.00208	-.00004	.00019
SDev	.00018	.00433	.00011	.00001	.00007	.00011	.00009
%RSD	13.359	154.77	4.0302	4.3536	3.5417	271.61	46.222
#1	.00144	.00026	-.00268	.00013	-.00213	.00004	.00013
#2	.00119	-.00586	-.00283	.00013	-.00202	-.00011	.00025
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 02:51:17 PM   page 2

```
Units    ppm       ppm
Avge     .00157    .00004
SDev     .00015    .00038
%RSD     9.3229    903.72

#1       .00146    .00031
#2       .00167    -.00023

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	4441	--	--	--	--	--	--
SDev	11.29575	--	--	--	--	--	--
%RSD	.2543724	--	--	--	--	--	--
#1	4433	--	--	--	--	--	--
#2	4449	--	--	--	--	--	--

Analysis Report   12/10/04 02:55:40 PM   page 1

Method: TRACE2   Sample Name: AD466727/PS   Operator: SW
Run Time: 12/10/04 14:51:20
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.728	.22444	2.6126	.78583	.20285	H391.39	.19801
SDev	.012	.00024	.0053	.00095	.00030	.67	.00001
%RSD	.11480	.10918	.20249	.12130	.14665	.17143	.00372
#1	10.737	.22461	2.6088	.78516	.20264	H390.91	.19800
#2	10.719	.22427	2.6163	.78651	.20306	H391.86	.19801
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	.20447	.20188	.22310	2.2187	93.322	78.655	.66238
SDev	.00030	.00027	.00001	.0001	.008	.112	.00061
%RSD	.14627	.13380	.00528	.00574	.00864	.14185	.09196
#1	.20468	.20169	.22309	2.2188	93.317	78.576	.66195
#2	.20426	.20207	.22311	2.2186	93.328	78.734	.66281
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	.21033	H3645.6	.19911	.20246	.20287	.20273	.22526
SDev	.00090	2.4	.00026	.00060	.00084	.00036	.00159
%RSD	.42846	.06662	.12892	.29853	.41627	.17857	.70359
#1	.20969	H3647.3	.19929	.20203	.20346	.20299	.22414
#2	.21097	H3643.9	.19893	.20289	.20227	.20248	.22638
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	.22640	.22342	.22618	.20319	.20413	.20463	.20168
SDev	.00324	.00481	.00003	.00043	.00134	.00007	.00065
%RSD	1.4304	2.1529	.01222	.21081	.65395	.03283	.32067
#1	.22411	.22002	.22620	.20289	.20318	.20468	.20122
#2	.22869	.22682	.22616	.20350	.20507	.20458	.20213
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

| Elem | Sn1899 | Ag3280 |

```
Units    ppm          ppm
Avge     .21666       .05670
SDev     .00025       .00023
%RSD     .11611       .40804

#1       .21648       .05654
#2       .21684       .05686

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	4129	--	--	--	--	--	--
SDev	3.659139	--	--	--	--	--	--
%RSD	.0886170	--	--	--	--	--	--
#1	4127	--	--	--	--	--	--
#2	4132	--	--	--	--	--	--

Analysis Report   12/10/04 03:00:04 PM   page 1

Method: TRACE2   Sample Name: AD466728/MS   Operator: SW
Run Time: 12/10/04 14:55:43
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1228	.04471	2.4122	2.5813	.04848	H387.88	.04727
SDev	.0042	.00155	.0028	.0009	.00005	.46	.00013
%RSD	.19565	3.4640	.11706	.03348	.10112	.11956	.28100
#1	2.1198	.04581	2.4142	2.5819	.04845	H387.56	.04718
#2	2.1257	.04362	2.4102	2.5807	.04852	H388.21	.04737
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	.48978	.18850	.26664	2.7898	80.514	69.126	.94497
SDev	.00034	.00052	.00028	.0114	.036	.099	.00079
%RSD	.06942	.27372	.10465	.40957	.04438	.14288	.08377
#1	.48953	.18813	.26644	2.7817	80.540	69.056	.94441
#2	.49002	.18886	.26684	2.7978	80.489	69.196	.94553
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	.00337	H3677.5	.48189	.01925	.01987	.01966	.05280
SDev	.00028	.7	.00061	.00183	.00093	.00001	.00102
%RSD	8.3079	.01801	.12715	9.5239	4.7058	.06803	1.9348
#1	.00357	H3678.0	.48145	.02054	.01921	.01965	.05208
#2	.00317	H3677.0	.48232	.01795	.02053	.01967	.05352
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	.11126	.05422	.05209	-.00044	.04666	.50013	.47772
SDev	.00073	.00022	.00164	.00000	.00124	.00001	.00179
%RSD	.65704	.40342	3.1518	.35808	2.6539	.00265	.37496
#1	.11074	.05438	.05093	-.00044	.04578	.50014	.47645
#2	.11178	.05407	.05325	-.00044	.04754	.50012	.47898
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm            ppm
Avge      .00201         .05428
SDev      .00077         .00002
%RSD      38.371         .03125

#1        .00147         .05429
#2        .00256         .05427

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	4102	--	--	--	--	--	--
SDev	3.181981	--	--	--	--	--	--
%RSD	.0775776	--	--	--	--	--	--
#1	4104	--	--	--	--	--	--
#2	4099	--	--	--	--	--	--

Analysis Report   12/10/04 03:04:27 PM   page 1

Method: TRACE2   Sample Name: AD466729/SD   Operator: SW
Run Time: 12/10/04 15:00:07
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.1068	.04427	2.3854	2.5656	.04818	H383.92	.04684
SDev	.0055	.00197	.0042	.0012	.00006	.29	.00005
%RSD	.25903	4.4575	.17452	.04616	.12357	.07462	.11556
#1	2.1030	.04567	2.3825	2.5648	.04814	H383.72	.04680
#2	2.1107	.04288	2.3884	2.5664	.04822	H384.12	.04688
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	.48753	.18802	.26428	2.7687	79.839	68.383	.93857
SDev	.00027	.00007	.00099	.0044	.188	.062	.00125
%RSD	.05610	.03883	.37611	.16071	.23507	.09085	.13354
#1	.48734	.18807	.26358	2.7656	79.706	68.339	.93768
#2	.48773	.18797	.26499	2.7719	79.971	68.427	.93945
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	.00246	H3641.3	.47967	.01688	.02129	.01982	.05343
SDev	.00005	6.9	.00008	.00026	.00114	.00085	.00067
%RSD	2.1699	.18819	.01574	1.5375	5.3744	4.2863	1.2617
#1	.00250	H3636.4	.47962	.01670	.02048	.01922	.05296
#2	.00242	H3646.1	.47973	.01707	.02210	.02042	.05391
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	.10866	.05461	.05285	-.00083	.04548	.49734	.47539
SDev	.00009	.00200	.00201	.00008	.00199	.00051	.00031
%RSD	.08025	3.6720	3.8106	9.3608	4.3685	.10148	.06466
#1	.10872	.05603	.05142	-.00088	.04407	.49698	.47518
#2	.10860	.05319	.05427	-.00077	.04688	.49770	.47561
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .00131       .05368
SDev     .00122       .00076
%RSD     92.498       1.4071

#1       .00045       .05314
#2       .00217       .05421

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	4105	--	--	--	--	--	--
SDev	1.803330	--	--	--	--	--	--
%RSD	.0439271	--	--	--	--	--	--
#1	4107	--	--	--	--	--	--
#2	4104	--	--	--	--	--	--

Analysis Report   12/10/04 03:08:51 PM   page 1

Method: TRACE2   Sample Name: AD466730   Operator: SW
Run Time: 12/10/04 15:04:30
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.0934	.03803	.66428	.55430	.00215	H480.31	L-.00524
SDev	.0152	.00041	.00013	.00001	.00001	.42	.00002
%RSD	.16665	1.0685	.01970	.00124	.46983	.08737	.31318
#1	9.0827	.03774	.66419	.55430	.00215	H480.01	L-.00523
#2	9.1041	.03831	.66438	.55431	.00216	H480.61	L-.00525
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Low
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	.02851	.16903	.00112	151.58	H360.51	H120.13	12.548
SDev	.00032	.00053	.00010	.16	1.01	.14	.008
%RSD	1.1245	.31314	9.2363	.10634	.28096	.11723	.06766
#1	.02829	.16866	.00105	151.46	H359.80	H120.03	12.542
#2	.02874	.16941	.00120	151.69	H361.23	H120.23	12.554
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	.01374	H591.16	.08098	.00092	.00326	.00248	.01237
SDev	.00025	1.85	.00037	.00114	.00031	.00017	.00321
%RSD	1.8096	.31347	.45706	124.36	9.5745	6.9475	25.991
#1	.01356	H589.85	.08072	.00173	.00304	.00261	.01464
#2	.01391	H592.47	.08124	.00011	.00349	.00236	.01010
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	.00054	.02076	.00818	.58113	.01365	.09817	.62495
SDev	.00332	.00259	.00353	.00007	.00015	.00007	.00082
%RSD	614.51	12.475	43.149	.01139	1.0944	.07138	.13154
#1	-.00181	.02259	.01067	.58117	.01375	.09822	.62437
#2	.00289	.01893	.00568	.58108	.01354	.09812	.62553
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm        ppm
Avge     .01696     .00236
SDev     .00049     .00049
%RSD     2.8871     20.753

#1       .01731     .00201
#2       .01661     .00271

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	4665	--	--	--	--	--	--
SDev	3.871479	--	--	--	--	--	--
%RSD	.0829826	--	--	--	--	--	--
#1	4668	--	--	--	--	--	--
#2	4663	--	--	--	--	--	--

Analysis Report   12/10/04 03:13:14 PM   page 1

Method: TRACE2   Sample Name: AD466731   Operator: SW
Run Time: 12/10/04 15:08:54
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01229	.00973	.73193	.63163	.00007	160.40	-.00007
SDev	.00100	.00092	.00328	.00173	.00000	.44	.00009
%RSD	8.1423	9.4612	.44770	.27465	5.5951	.27491	120.64
#1	.01158	.00908	.72962	.63040	.00006	160.09	-.00014
#2	.01300	.01038	.73425	.63286	.00007	160.71	-.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	.00021	.00319	-.00012	.22463	26.627	34.166	.14461
SDev	.00000	.00013	.00018	.00790	.027	.093	.00034
%RSD	.11575	3.9589	158.96	3.5179	.10139	.27152	.23612
#1	.00021	.00310	-.00025	.21905	26.607	34.101	.14437
#2	.00021	.00328	.00001	.23022	26.646	34.232	.14485
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	.00034	H105.30	.00128	.00077	-.00042	-.00002	.00045
SDev	.00023	.12	.00052	.00353	.00021	.00132	.00079
%RSD	66.846	.11022	40.472	456.26	50.264	6281.8	176.96
#1	.00018	H105.38	.00091	.00327	-.00027	.00091	-.00011
#2	.00050	H105.22	.00165	-.00172	-.00057	-.00095	.00101
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	.00103	.00469	-.00167	.01028	-.00301	.00329	.00076
SDev	.00348	.00296	.00267	.00025	.00003	.00030	.00004
%RSD	337.17	63.132	159.52	2.4196	.87609	9.0519	5.4718
#1	.00349	.00678	-.00356	.01046	-.00303	.00308	.00073
#2	-.00143	.00259	.00021	.01010	-.00299	.00350	.00079
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm          ppm
Avge      .00000       .00036
SDev      .00024       .00082
%RSD      22957.       225.34

#1        .00017       .00094
#2        -.00017      -.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	4685	--	--	--	--	--	--
SDev	4.189815	--	--	--	--	--	--
%RSD	.0894364	--	--	--	--	--	--
#1	4682	--	--	--	--	--	--
#2	4688	--	--	--	--	--	--

Analysis Report   12/10/04 03:17:38 PM   page 1

Method: TRACE2   Sample Name: AD466732   Operator: SW
Run Time: 12/10/04 15:13:18
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01520	.00388	1.8187	.08676	.00009	68.106	.00001
SDev	.00065	.00115	.0002	.00002	.00002	.144	.00012
%RSD	4.2782	29.674	.01176	.02089	26.036	.21139	1062.2
#1	.01474	.00307	1.8188	.08675	.00008	68.004	-.00007
#2	.01566	.00470	1.8185	.08677	.00011	68.208	.00010
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	.00044	.00045	.00100	1.0966	42.572	12.841	.04994
SDev	.00002	.00030	.00024	.0097	.013	.035	.00021
%RSD	4.1108	66.328	23.657	.88099	.03166	.26968	.42608
#1	.00043	.00024	.00083	1.0898	42.581	12.816	.04978
#2	.00046	.00066	.00117	1.1034	42.562	12.865	.05009
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	.03393	H687.38	.00190	-.00097	.00002	-.00031	.00097
SDev	.00012	1.06	.00039	.00066	.00049	.00010	.00142
%RSD	.36310	.15357	20.349	68.072	2719.5	33.096	145.73
#1	.03384	H688.13	.00163	-.00050	-.00033	-.00039	-.00003
#2	.03401	H686.64	.00217	-.00144	.00036	-.00024	.00197
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	.00195	.00069	.00111	.00000	-.00370	.00080	.00101
SDev	.00176	.00145	.00140	.00005	.00146	.00026	.00027
%RSD	90.083	211.20	125.57	5516.3	39.619	32.780	27.070
#1	.00071	-.00034	.00012	-.00004	-.00266	.00061	.00081
#2	.00319	.00171	.00210	.00004	-.00473	.00099	.00120
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00132	.00021
SDev	.00007	.00026
%RSD	5.4191	119.28
#1	.00137	.00003
#2	.00127	.00040
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	4552	--	--	--	--	--	--
SDev	19.35705	--	--	--	--	--	--
%RSD	.4252555	--	--	--	--	--	--
#1	4566	--	--	--	--	--	--
#2	4538	--	--	--	--	--	--

Analysis Report   12/10/04 03:22:02 PM   page 1

Method: TRACE2   Sample Name: AD466733   Operator: SW
Run Time: 12/10/04 15:17:41
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.65424	.04529	.54638	5.1494	.00079	H658.04	L-.01113
SDev	.00222	.00055	.00192	.0089	.00001	.68	.00019
%RSD	.33983	1.2170	.35214	.17208	1.0223	.10278	1.7181
#1	.65581	.04568	.54774	5.1556	.00078	H657.57	L-.01126
#2	.65267	.04490	.54502	5.1431	.00080	H658.52	L-.01099
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Low
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	.01140	.05955	.00026	338.61	H143.23	H139.07	H35.785
SDev	.00004	.00021	.00020	.07	.46	.01	.012
%RSD	.38942	.35181	74.932	.02041	.32074	.00632	.03253
#1	.01143	.05940	.00012	338.57	H143.55	H139.06	H35.777
#2	.01137	.05969	.00040	338.66	H142.90	H139.08	H35.793
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High	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	-.00419	H1830.4	.01615	.00018	.00606	.00410	.01798
SDev	.00009	8.9	.00021	.00187	.00073	.00014	.00058
%RSD	2.0756	.48835	1.2997	1064.5	12.050	3.3503	3.2120
#1	-.00425	H1836.7	.01600	.00150	.00554	.00420	.01757
#2	-.00413	H1824.1	.01630	-.00115	.00657	.00400	.01839
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	-.00114	.03174	.01110	.32589	.04133	.06585	.00871
SDev	.00105	.00124	.00149	.00043	.00070	.00019	.00001
%RSD	91.656	3.9125	13.404	.13274	1.6875	.28297	.06448
#1	-.00040	.03262	.01004	.32619	.04084	.06572	.00872
#2	-.00188	.03087	.01215	.32558	.04182	.06598	.00871
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm         ppm
Avge     .01077      .00420
SDev     .00022      .00012
%RSD     2.0895      2.8193

#1       .01092      .00428
#2       .01061      .00412

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	4333	--	--	--	--	--	--
SDev	4.719799	--	--	--	--	--	--
%RSD	.1089227	--	--	--	--	--	--
#1	4336	--	--	--	--	--	--
#2	4330	--	--	--	--	--	--

Analysis Report   12/10/04 03:26:25 PM   page 1

Method: TRACE2   Sample Name: AD466734   Operator: SW
Run Time: 12/10/04 15:22:05
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.68752	.04573	.59280	.15751	.00087	H490.35	-.00033
SDev	.00366	.00114	.00285	.00014	.00003	2.59	.00019
%RSD	.53309	2.5003	.48159	.09084	2.9332	.52806	58.568
#1	.68493	.04492	.59078	.15741	.00085	H488.52	-.00047
#2	.69011	.04654	.59482	.15761	.00089	H492.18	-.00019
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	.00356	.08852	.00114	4.4339	H225.98	H208.36	6.4240
SDev	.00044	.00053	.00043	.0151	.34	1.26	.0309
%RSD	12.219	.59438	37.772	.34075	.15105	.60628	.48063
#1	.00326	.08815	.00084	4.4233	H225.74	H207.46	6.4022
#2	.00387	.08889	.00145	4.4446	H226.22	H209.25	6.4458
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	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	.00077	H4480.3	.01826	-.00030	.00291	.00184	.00426
SDev	.00025	8.3	.00077	.00039	.00092	.00074	.00135
%RSD	32.668	.18594	4.2160	130.72	31.694	40.488	31.793
#1	.00060	H4486.2	.01772	-.00058	.00225	.00131	.00330
#2	.00095	H4474.5	.01881	-.00002	.00356	.00236	.00522
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	.00264	.00749	.00264	.86855	-.00655	.11647	.00196
SDev	.00354	.00180	.00113	.00236	.00184	.00094	.00004
%RSD	133.99	24.024	42.808	.27160	28.043	.80805	2.0386
#1	.00014	.00622	.00184	.86689	-.00785	.11581	.00199
#2	.00514	.00877	.00344	.87022	-.00525	.11714	.00194
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .01153       .00210
SDev     .00081       .00024
%RSD     7.0639       11.226

#1       .01096       .00194
#2       .01211       .00227

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	4206	--	--	--	--	--	--
SDev	11.77326	--	--	--	--	--	--
%RSD	.2799058	--	--	--	--	--	--
#1	4214	--	--	--	--	--	--
#2	4198	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 03:32:08 PM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 15:27:48
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.271	.49252	.48081	.50094	.49750	24.956	.49259
SDev	.285	.00356	.00206	.00357	.00262	.163	.00250
%RSD	1.0833	.72240	.42910	.71324	.52694	.65152	.50709
#1	26.070	.49001	.47936	.49842	.49564	24.841	.49082
#2	26.472	.49504	.48227	.50347	.49935	25.071	.49436
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	.49677	.49317	.51887	25.074	25.297	24.529	.50888
SDev	.00253	.00187	.00380	.142	.169	.142	.00284
%RSD	.50854	.37860	.73341	.56754	.66650	.58069	.55781
#1	.49498	.49185	.51618	24.974	25.178	24.429	.50687
#2	.49855	.49449	.52156	25.175	25.416	24.630	.51088
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	.47934	24.932	.50030	.49525	.49529	.49527	.50492
SDev	.00212	.069	.00213	.00174	.00232	.00097	.00288
%RSD	.44305	.27549	.42596	.35181	.46908	.19574	.56956
#1	.47784	24.884	.49879	.49648	.49364	.49459	.50289
#2	.48084	24.981	.50181	.49402	.49693	.49596	.50696
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	.50923	.50478	.50501	.48677	.50374	.49391	.48719
SDev	.00343	.00323	.00593	.00319	.00314	.00328	.00262
%RSD	.67320	.63908	1.1736	.65619	.62361	.66356	.53679
#1	.50681	.50706	.50082	.48451	.50152	.49159	.48535
#2	.51166	.50250	.50920	.48902	.50596	.49622	.48904
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

Analysis Report   QC Standard   12/10/04 03:32:08 PM   page 2

Units	ppm	ppm
Avge	.51337	.49170
SDev	.00025	.00363
%RSD	.04822	.73751
#1	.51355	.48914
#2	.51320	.49426
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	4731	--	--	--	--	--	--
SDev	10.92494	--	--	--	--	--	--
%RSD	.2309187	--	--	--	--	--	--
#1	4723	--	--	--	--	--	--
#2	4739	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 03:36:32 PM   page 1

Method: TRACE2   Sample Name: CCB   Operator: SW
Run Time: 12/10/04 15:32:11
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.02566	.00065	.00074	.00028	.00013	.07149	.00020
SDev	.00032	.00119	.00020	.00001	.00001	.00258	.00006
%RSD	1.2379	184.05	27.663	2.4430	7.9586	3.6091	32.052
#1	.02589	-.00019	.00089	.00028	.00014	.07331	.00015
#2	.02544	.00149	.00060	.00027	.00012	.06966	.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	.00007	.00011	-.00030	.02036	.02372	.03510	.00107
SDev	.00005	.00002	.00001	.00161	.01271	.00157	.00006
%RSD	68.344	19.054	4.2502	7.9241	53.602	4.4803	5.7202
#1	.00011	.00013	-.00031	.02150	.03271	.03622	.00112
#2	.00004	.00010	-.00029	.01922	.01473	.03399	.00103
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	.00058	.19869	.00037	.00020	.00034	.00029	.00036
SDev	.00019	.14238	.00020	.00175	.00103	.00010	.00123
%RSD	32.052	71.659	55.631	889.59	299.40	34.253	345.48
#1	.00071	.29937	.00022	.00143	-.00038	.00022	.00123
#2	.00045	.09801	.00051	-.00104	.00107	.00036	-.00052
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	.00024	.00177	-.00035	.00032	-.00230	.00013	-.00008
SDev	.00404	.00545	.00088	.00025	.00030	.00005	.00009
%RSD	1691.7	308.72	252.05	78.581	13.024	37.371	112.81
#1	.00309	.00562	-.00097	.00049	-.00209	.00017	-.00002
#2	-.00262	-.00209	.00027	.00014	-.00252	.00010	-.00014
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

Analysis Report   Blank Sample   12/10/04 03:36:32 PM   page 2

```
Units    ppm         ppm
Avge     .00068      .00050
SDev     .00028      .00019
%RSD     40.326      38.685

#1       .00049      .00064
#2       .00088      .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	4751	--	--	--	--	--	--
SDev	3.712311	--	--	--	--	--	--
%RSD	.0781420	--	--	--	--	--	--
#1	4748	--	--	--	--	--	--
#2	4753	--	--	--	--	--	--

Analysis Report   12/10/04 03:40:55 PM   page 1

Method: TRACE2   Sample Name: AD466735   Operator: SW
Run Time: 12/10/04 15:36:35
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01253	.00083	1.9606	.01401	-.00004	15.365	-.00008
SDev	.00161	.00184	.0004	.00006	.00000	.035	.00008
%RSD	12.873	219.96	.02087	.42373	8.5505	.22998	104.97
#1	.01139	-.00046	1.9603	.01405	-.00004	15.390	-.00014
#2	.01367	.00213	1.9609	.01397	-.00004	15.340	-.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	-.00014	.00013	.00010	.14698	12.926	2.2801	.00659
SDev	.00007	.00007	.00000	.00252	.030	.0029	.00006
%RSD	51.706	56.353	1.3205	1.7130	.23431	.12504	.83118
#1	-.00019	.00008	.00010	.14520	12.947	2.2821	.00663
#2	-.00009	.00018	.00011	.14876	12.904	2.2780	.00656
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	.00878	H295.28	.00015	-.00033	.00155	.00092	-.00016
SDev	.00079	.66	.00029	.00034	.00028	.00007	.00096
%RSD	9.0262	.22488	192.54	103.84	18.234	8.0012	581.12
#1	.00934	H294.81	-.00005	-.00009	.00135	.00087	-.00084
#2	.00822	H295.75	.00035	-.00057	.00175	.00098	.00051
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	-.00011	.00251	-.00150	-.00019	-.00174	-.00000	.00111
SDev	.00033	.00249	.00019	.00003	.00044	.00015	.00004
%RSD	306.69	98.958	12.785	16.212	25.299	4139.6	3.4822
#1	.00013	.00075	-.00164	-.00017	-.00143	-.00011	.00109
#2	-.00034	.00427	-.00137	-.00022	-.00205	.00010	.00114
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .00033       -.00045
SDev     .00001        .00001
%RSD     2.8857       2.0466

#1       .00033       -.00045
#2       .00032       -.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	4704	--	--	--	--	--	--
SDev	9.864278	--	--	--	--	--	--
%RSD	.2097031	--	--	--	--	--	--
#1	4697	--	--	--	--	--	--
#2	4711	--	--	--	--	--	--

Analysis Report   12/10/04 03:45:19 PM   page 1

Method: TRACE2   Sample Name: AD466736   Operator: SW
Run Time: 12/10/04 15:40:58
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00787	.01560	.50190	.25926	.00010	149.62	-.00007
SDev	.00001	.00055	.00171	.00004	.00001	.29	.00007
%RSD	.07070	3.5219	.34018	.01616	4.8392	.19196	95.232
#1	.00786	.01521	.50310	.25929	.00010	149.42	-.00011
#2	.00787	.01599	.50069	.25923	.00010	149.82	-.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	.00040	.00162	-.00001	.11497	65.722	20.176	.47983
SDev	.00015	.00008	.00002	.00381	.000	.032	.00060
%RSD	35.841	5.1001	182.26	3.3119	.00062	.16012	.12403
#1	.00030	.00156	-.00003	.11228	65.722	20.153	.47941
#2	.00051	.00168	.00000	.11766	65.721	20.198	.48025
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	.00195	H1166.9	.00254	-.00042	.00087	.00044	-.00190
SDev	.00043	.9	.00004	.00040	.00102	.00055	.00185
%RSD	22.068	.07676	1.4826	94.569	116.37	123.22	97.395
#1	.00165	H1167.6	.00251	-.00014	.00015	.00006	-.00059
#2	.00226	H1166.3	.00257	-.00070	.00159	.00083	-.00321
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	T11908	V_2924	Zn2062
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00042	-.00264	-.00154	.00149	-.00396	.00692	.00390
SDev	.00150	.00093	.00231	.00014	.00023	.00005	.00013
%RSD	356.26	35.395	150.62	9.3014	5.8677	.77460	3.4467
#1	.00064	-.00198	.00010	.00139	-.00380	.00688	.00381
#2	-.00148	-.00330	-.00317	.00158	-.00413	.00696	.00400
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 03:45:19 PM   page 2

```
Units    ppm         ppm
Avge     .00085      -.00025
SDev     .00067       .00032
%RSD     79.206      126.47

#1       .00037      -.00048
#2       .00132      -.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	4514	--	--	--	--	--	--
SDev	.9014921	--	--	--	--	--	--
%RSD	.0199707	--	--	--	--	--	--
#1	4515	--	--	--	--	--	--
#2	4513	--	--	--	--	--	--

Analysis Report   12/10/04 03:49:42 PM   page 1

Method: TRACE2   Sample Name: AD466737   Operator: SW
Run Time: 12/10/04 15:45:22
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.13618	.01448	.38224	.02743	.00022	199.48	-.00010
SDev	.00009	.00213	.00010	.00004	.00003	.71	.00003
%RSD	.06891	14.691	.02513	.15250	12.161	.35535	25.521
#1	.13611	.01298	.38218	.02746	.00020	198.98	-.00012
#2	.13624	.01599	.38231	.02740	.00024	199.98	-.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	.00053	.00258	.00007	2.6786	90.786	47.414	.31222
SDev	.00021	.00022	.00052	.0153	.208	.144	.00017
%RSD	40.432	8.4739	728.58	.57256	.22953	.30332	.05358
#1	.00038	.00242	-.00030	2.6678	90.933	47.313	.31210
#2	.00068	.00273	.00044	2.6894	90.638	47.516	.31234
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	H3679.4	.00299	.00048	.00031	.00037	.00093
SDev	.00038	1.6	.00001	.00001	.00008	.00005	.00042
%RSD	430.91	.04352	.18558	1.1645	24.470	14.298	45.576
#1	-.00018	H3678.3	.00299	.00049	.00037	.00041	.00063
#2	.00036	H3680.5	.00298	.00048	.00026	.00033	.00123
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	.00250	.00817	-.00269	.00213	-.00064	.00591	.00016
SDev	.00202	.00208	.00167	.00011	.00238	.00036	.00010
%RSD	80.746	25.423	62.260	5.3270	372.40	6.0560	61.635
#1	.00393	.00963	-.00387	.00205	-.00233	.00565	.00009
#2	.00107	.00670	-.00150	.00221	.00105	.00616	.00023
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 03:49:42 PM   page 2

```
Units      ppm          ppm
Avge       .00473       .00089
SDev       .00023       .00018
%RSD       4.8887       19.782

#1         .00456       .00076
#2         .00489       .00101

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	4221	--	--	--	--	--	--
SDev	16.38706	--	--	--	--	--	--
%RSD	.3881821	--	--	--	--	--	--
#1	4233	--	--	--	--	--	--
#2	4210	--	--	--	--	--	--

Analysis Report   12/10/04 03:54:06 PM   page 1

Method: TRACE2   Sample Name: AD466738   Operator: SW
Run Time: 12/10/04 15:49:45
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.04414	.10051	.29986	1.1324	.00019	297.70	L-.00227
SDev	.00217	.00087	.00338	.0147	.00005	4.18	.00006
%RSD	4.9248	.86574	1.1263	1.2951	24.366	1.4043	2.5004
#1	.04260	.09989	.29748	1.1220	.00015	294.75	L-.00231
#2	.04567	.10112	.30225	1.1428	.00022	H300.66	L-.00223
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
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	.00574	.01261	.00065	58.876	96.027	46.008	4.6485
SDev	.00007	.00036	.00004	.850	1.173	.681	.0648
%RSD	1.2722	2.8350	6.2213	1.4432	1.2212	1.4793	1.3937
#1	.00579	.01235	.00062	58.275	95.198	45.527	4.6027
#2	.00569	.01286	.00068	59.477	96.857	46.490	4.6943
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	.00006	H544.90	.01370	-.00021	.00135	.00083	.00077
SDev	.00001	6.98	.00008	.00116	.00019	.00052	.00177
%RSD	19.728	1.2810	.57216	542.21	14.347	62.007	230.46
#1	.00007	H539.96	.01365	-.00103	.00121	.00047	-.00048
#2	.00005	H549.83	.01376	.00060	.00149	.00119	.00201
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	.00093	-.00191	.00210	.02699	.00750	.01406	.00354
SDev	.00304	.00181	.00174	.00054	.00423	.00014	.00002
%RSD	326.34	95.149	82.860	1.9981	56.361	.96092	.49265
#1	-.00122	-.00319	.00087	.02660	.00451	.01397	.00352
#2	.00309	-.00062	.00333	.02737	.01049	.01416	.00355
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00301	.00085
SDev	.00063	.00019
%RSD	20.825	22.422
#1	.00345	.00099
#2	.00257	.00072
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	4542	--	--	--	--	--	--
SDev	60.03330	--	--	--	--	--	--
%RSD	1.321846	--	--	--	--	--	--
#1	4584	--	--	--	--	--	--
#2	4499	--	--	--	--	--	--

Analysis Report   12/10/04 03:58:29 PM   page 1

Method: TRACE2   Sample Name: AD466739   Operator: SW
Run Time: 12/10/04 15:54:09
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00219	-.00058	.00088	.00026	-.00003	.12650	-.00007
SDev	.00177	.00114	.00037	.00008	.00001	.00053	.00004
%RSD	80.763	197.46	42.319	31.334	24.610	.42082	54.857
#1	-.00343	-.00138	.00062	.00021	-.00002	.12688	-.00004
#2	-.00094	.00023	.00115	.00032	-.00003	.12613	-.00009
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	-.00021	.00006	-.00016	.00483	.01258	.02711	.00032
SDev	.00034	.00003	.00009	.00041	.00591	.00173	.00002
%RSD	167.07	47.426	57.806	8.4328	46.965	6.4005	6.3364
#1	-.00045	.00008	-.00010	.00511	.01676	.02834	.00031
#2	.00004	.00004	-.00023	.00454	.00840	.02589	.00033
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	.15403	.00008	.00041	.00031	.00035	-.00207
SDev	.00019	.05111	.00026	.00126	.00089	.00018	.00010
%RSD	201.84	33.180	343.99	307.00	285.20	51.254	5.0489
#1	.00004	.19017	-.00011	.00130	-.00032	.00022	-.00214
#2	-.00023	.11790	.00026	-.00048	.00095	.00047	-.00200
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	.00080	-.00313	-.00154	-.00017	-.00300	-.00004	.00056
SDev	.00030	.00208	.00088	.00014	.00214	.00050	.00013
%RSD	38.270	66.389	57.395	79.345	71.220	1200.2	22.888
#1	.00101	-.00460	-.00091	-.00008	-.00451	-.00039	.00047
#2	.00058	-.00166	-.00216	-.00027	-.00149	.00031	.00065
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .00049       .00036
SDev     .00123       .00019
%RSD     248.70       54.202

#1       .00136       .00050
#2       -.00038      .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	4736	--	--	--	--	--	--
SDev	.1059970	--	--	--	--	--	--
%RSD	.0022380	--	--	--	--	--	--
#1	4736	--	--	--	--	--	--
#2	4736	--	--	--	--	--	--

Analysis Report   12/10/04 04:02:53 PM   page 1

Method: TRACE2   Sample Name: AD466312/(1:10)   Operator: SW
Run Time: 12/10/04 15:58:33
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00026	.00109	.01355	.02237	.00004	40.868	-.00006
SDev	.00075	.00169	.00038	.00006	.00001	.067	.00002
%RSD	288.61	155.70	2.8235	.27867	15.736	.16472	36.458
#1	.00027	-.00011	.01328	.02233	.00005	40.821	-.00005
#2	-.00079	.00228	.01382	.02241	.00004	40.916	-.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	.00030	.00079	-.00009	.10060	2.2317	6.5656	2.6896
SDev	.00007	.00008	.00018	.00034	.0046	.0074	.0036
%RSD	23.020	10.257	192.79	.33414	.20559	.11307	.13231
#1	.00035	.00074	.00003	.10084	2.2350	6.5604	2.6870
#2	.00025	.00085	-.00022	.10037	2.2285	6.5709	2.6921
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	-.00036	H144.92	.00020	.00187	.00124	.00145	.00069
SDev	.00049	1.05	.00028	.00039	.00022	.00002	.00020
%RSD	134.15	.72430	140.34	20.901	17.490	1.0317	29.155
#1	-.00002	H144.18	.00000	.00215	.00109	.00144	.00055
#2	-.00071	H145.66	.00039	.00159	.00140	.00146	.00083
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	-.00007	-.00063	.00135	.00046	-.00224	.00003	.00025
SDev	.00040	.00165	.00112	.00012	.00198	.00010	.00008
%RSD	605.40	260.82	83.272	26.803	88.528	327.42	32.857
#1	.00022	.00053	.00056	.00054	-.00084	.00010	.00019
#2	-.00035	-.00179	.00215	.00037	-.00364	-.00004	.00031
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .00122       .00074
SDev     .00066       .00013
%RSD     54.245       17.208

#1       .00169       .00083
#2       .00075       .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	4643	--	--	--	--	--	--
SDev	15.75073	--	--	--	--	--	--
%RSD	.3392097	--	--	--	--	--	--
#1	4632	--	--	--	--	--	--
#2	4654	--	--	--	--	--	--

Analysis Report   12/10/04 04:07:16 PM   page 1

Method: TRACE2   Sample Name: AD466320/(1:10)   Operator: SW
Run Time: 12/10/04 16:02:56
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.00446	.00088	.02281	.07330	.00002	29.675	-.00010
SDev	.00111	.00053	.00043	.00011	.00001	.060	.00008
%RSD	24.885	59.395	1.9007	.15552	35.516	.20258	77.336
#1	.00524	.00051	.02312	.07322	.00002	29.633	-.00005
#2	.00367	.00126	.02250	.07338	.00003	29.718	-.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	.00163	.00411	.00042	2.0894	1.6424	3.4361	3.2492
SDev	.00000	.00014	.00038	.0077	.0003	.0031	.0057
%RSD	.04742	3.4213	88.958	.36993	.01553	.09087	.17503
#1	.00163	.00401	.00069	2.0839	1.6426	3.4339	3.2452
#2	.00163	.00421	.00016	2.0949	1.6422	3.4383	3.2533
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	.00160	H136.27	.01357	-.00050	.00174	.00100	-.00139
SDev	.00030	.42	.00022	.00065	.00056	.00059	.00095
%RSD	18.863	.30502	1.5880	129.89	31.954	58.841	68.384
#1	.00181	H135.98	.01373	-.00095	.00135	.00058	-.00206
#2	.00138	H136.56	.01342	-.00004	.00213	.00141	-.00072
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	-.00206	-.00302	-.00057	.00115	-.00403	.00197	.00016
SDev	.00300	.00156	.00064	.00006	.00002	.00030	.00009
%RSD	145.77	51.780	112.37	4.9395	.55749	15.174	52.662
#1	-.00418	-.00413	-.00102	.00111	-.00402	.00219	.00022
#2	.00006	-.00191	-.00012	.00119	-.00405	.00176	.00010
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Units	ppm	ppm
Avge	.00037	.00040
SDev	.00007	.00008
%RSD	18.366	20.795
#1	.00041	.00034
#2	.00032	.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	4692	--	--	--	--	--	--
SDev	2.810473	--	--	--	--	--	--
%RSD	.0599007	--	--	--	--	--	--
#1	4694	--	--	--	--	--	--
#2	4690	--	--	--	--	--	--

Analysis Report   12/10/04 04:11:40 PM   page 1

Method: TRACE2   Sample Name: AD466323/(1:10)   Operator: SW
Run Time: 12/10/04 16:07:20
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.49402	.00602	.09382	.31697	.00023	117.40	L-.00198
SDev	.00131	.00081	.00080	.00057	.00001	.15	.00004
%RSD	.26579	13.538	.84771	.17867	4.3743	.13182	2.0363
#1	.49495	.00660	.09438	.31656	.00022	117.29	L-.00195
#2	.49309	.00545	.09326	.31737	.00024	117.51	L-.00201
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
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	.00639	.04185	-.00009	52.095	59.592	20.180	3.6050
SDev	.00018	.00020	.00014	.096	.056	.022	.0053
%RSD	2.8293	.48507	151.33	.18448	.09456	.11026	.14835
#1	.00652	.04199	.00001	52.027	59.552	20.165	3.6012
#2	.00627	.04170	-.00019	52.163	59.632	20.196	3.6088
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	H209.38	.01487	.00004	.00055	.00038	.00340
SDev	.00020	.87	.00011	.00215	.00010	.00078	.00047
%RSD	20.319	.41708	.71011	5719.9	18.787	207.95	13.761
#1	-.00083	H208.76	.01494	-.00148	.00047	-.00018	.00373
#2	-.00111	H210.00	.01479	.00155	.00062	.00093	.00307
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	.00143	.00426	.00297	.09209	.00568	.03089	.00214
SDev	.00044	.00151	.00146	.00011	.00342	.00020	.00021
%RSD	31.155	35.473	49.070	.12056	60.261	.66174	9.6487
#1	.00174	.00319	.00400	.09217	.00810	.03103	.00228
#2	.00111	.00533	.00194	.09202	.00326	.03074	.00199
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .00380       .00077
SDev     .00091       .00014
%RSD     23.973       18.714

#1       .00445       .00067
#2       .00316       .00087

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	4737	--	--	--	--	--	--
SDev	6.735123	--	--	--	--	--	--
%RSD	.1421688	--	--	--	--	--	--
#1	4742	--	--	--	--	--	--
#2	4733	--	--	--	--	--	--

Analysis Report   12/10/04 04:16:04 PM   page 1

Method: TRACE2   Sample Name: AD466800/PB   Operator: SW
Run Time: 12/10/04 16:11:44
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00165	-.00013	.00020	.00006	-.00002	.02526	-.00004
SDev	.00156	.00144	.00016	.00007	.00001	.00186	.00003
%RSD	94.350	1114.4	82.727	110.97	72.959	7.3824	71.694
#1	-.00055	-.00115	.00032	.00011	-.00001	.02658	-.00006
#2	-.00275	.00089	.00008	.00001	-.00002	.02395	-.00002
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	.00013	-.00002	.00680	.00452	.00279	.00045
SDev	.00022	.00022	.00012	.00161	.02162	.00205	.00006
%RSD	233.79	164.06	482.58	23.757	478.78	73.548	13.923
#1	.00006	.00029	.00006	.00794	.01980	.00424	.00049
#2	-.00025	-.00002	-.00011	.00565	-.01077	.00134	.00040
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	-.00038	.10010	.00016	-.00084	.00122	.00054	-.00101
SDev	.00009	.03413	.00011	.00038	.00021	.00002	.00197
%RSD	22.692	34.097	67.876	45.263	17.439	2.9268	195.57
#1	-.00032	.07596	.00008	-.00057	.00107	.00052	.00039
#2	-.00044	.12423	.00023	-.00111	.00137	.00055	-.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	-.00022	-.00023	-.00140	-.00043	-.00339	.00006	-.00020
SDev	.00245	.00008	.00300	.00022	.00338	.00015	.00000
%RSD	1092.3	34.180	214.70	50.618	99.587	235.58	.94592
#1	.00151	-.00029	.00072	-.00028	-.00100	.00017	-.00019
#2	-.00195	-.00018	-.00352	-.00058	-.00578	-.00004	-.00020
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

Analysis Report   12/10/04 04:16:04 PM   page 2


```
Units    ppm          ppm
Avge     .00086       -.00013
SDev     .00029        .00049
%RSD     33.673       387.79

#1       .00106       -.00047
#2       .00065        .00022

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	4749	--	--	--	--	--	--
SDev	14.37208	--	--	--	--	--	--
%RSD	.3026649	--	--	--	--	--	--
#1	4738	--	--	--	--	--	--
#2	4759	--	--	--	--	--	--

Analysis Report   12/10/04 04:20:28 PM   page 1

Method: TRACE2   Sample Name: AD466799/FB   Operator: SW
Run Time: 12/10/04 16:16:07
Comment :
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.553	.20728	.19635	.20292	.20292	10.307	.20750
SDev	.025	.00173	.00150	.00009	.00020	.014	.00025
%RSD	.23299	.83350	.76317	.04603	.09883	.13430	.12187
#1	10.536	.20606	.19529	.20285	.20278	10.297	.20732
#2	10.571	.20850	.19741	.20298	.20307	10.317	.20767
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	.20518	.20421	.20186	.42807	H11.563	10.176	.20490
SDev	.00003	.00015	.00026	.00346	.014	.020	.00038
%RSD	.01468	.07389	.12748	.80920	.11976	.19350	.18514
#1	.20516	.20410	.20167	.42562	H11.572	10.162	.20463
#2	.20520	.20431	.20204	.43052	H11.553	10.190	.20516
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	.20012	10.312	.20558	.20684	.20596	.20626	.20409
SDev	.00070	.041	.00022	.00061	.00182	.00142	.00308
%RSD	.35103	.39726	.10749	.29332	.88431	.68695	1.5067
#1	.19962	10.283	.20542	.20641	.20468	.20525	.20192
#2	.20062	10.341	.20573	.20727	.20725	.20726	.20627
Errors	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	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	.20848	.20511	.20359	.19508	.20897	.20417	.20145
SDev	.00085	.00345	.00289	.00050	.00203	.00040	.00047
%RSD	.40564	1.6827	1.4180	.25631	.97055	.19476	.23555
#1	.20788	.20267	.20155	.19472	.21040	.20389	.20112
#2	.20908	.20755	.20563	.19543	.20754	.20445	.20179
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

Analysis Report   12/10/04 04:20:28 PM   page 2

```
Units    ppm          ppm
Avge     .20797       .04967
SDev     .00227       .00017
%RSD     1.0916       .35133

#1       .20636       .04955
#2       .20957       .04979

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	4771	--	--	--	--	--	--
SDev	5.674463	--	--	--	--	--	--
%RSD	.1189306	--	--	--	--	--	--
#1	4767	--	--	--	--	--	--
#2	4775	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 04:26:12 PM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 16:21:51
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.836	.50386	.49199	.51155	.51070	25.617	.50570
SDev	.060	.00319	.00025	.00102	.00157	.103	.00178
%RSD	.22349	.63251	.05106	.19949	.30803	.40115	.35220
#1	26.793	.50161	.49217	.51083	.50959	25.545	.50444
#2	26.878	.50611	.49181	.51227	.51181	25.690	.50696
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	.50951	.50663	.53041	25.735	25.659	25.292	.52178
SDev	.00168	.00213	.00106	.099	.049	.088	.00183
%RSD	.32874	.42034	.20028	.38455	.19232	.34612	.35074
#1	.50833	.50512	.52965	25.666	25.624	25.231	.52048
#2	.51070	.50813	.53116	25.805	25.694	25.354	.52307
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	.49123	25.262	.51245	.50761	.50938	.50879	.51879
SDev	.00223	.157	.00183	.00230	.00347	.00308	.00626
%RSD	.45441	.62232	.35768	.45314	.68123	.60544	1.2077
#1	.48965	25.150	.51116	.50598	.50692	.50661	.51436
#2	.49280	25.373	.51375	.50923	.51183	.51097	.52322
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	.52209	.51617	.52010	.50043	.51932	.50637	.50173
SDev	.00519	.00273	.00803	.00119	.00082	.00171	.00165
%RSD	.99424	.52945	1.5443	.23670	.15770	.33813	.32944
#1	.51842	.51424	.51442	.49959	.51989	.50516	.50056
#2	.52576	.51810	.52578	.50127	.51874	.50758	.50290
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

Analysis Report   QC Standard   12/10/04 04:26:12 PM   page 2

Units	ppm	ppm
Avge	.52459	.50297
SDev	.00263	.00077
%RSD	.50188	.15407

| #1 | .52273 | .50242 |
| #2 | .52645 | .50351 |

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	4639	--	--	--	--	--	--
SDev	9.651938	--	--	--	--	--	--
%RSD	.2080619	--	--	--	--	--	--

| #1 | 4646 | -- | -- | -- | -- | -- | -- |
| #2 | 4632 | -- | -- | -- | -- | -- | -- |

Analysis Report   Blank Sample   12/10/04 04:30:36 PM   page 1

Method: TRACE2   Sample Name: CCB   Operator: SW
Run Time: 12/10/04 16:26:15
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.00301	.00009	.00047	.00003	.00001	.00918	.00000
SDev	.00010	.00061	.00058	.00000	.00001	.00028	.00004
%RSD	3.2989	692.37	122.74	10.965	91.573	2.9968	819.71
#1	-.00294	-.00034	.00088	.00003	.00002	.00937	.00003
#2	-.00308	.00052	.00006	.00003	.00000	.00898	-.00002
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	-.00017	-.00017	-.00003	.00513	-.00658	.00190	.00023
SDev	.00002	.00012	.00034	.00161	.01969	.00199	.00001
%RSD	10.129	73.356	1102.0	31.404	299.06	105.11	4.5009
#1	-.00018	-.00025	.00021	.00399	.00734	.00330	.00024
#2	-.00016	-.00008	-.00027	.00627	-.02051	.00049	.00022
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	.00001	.05607	.00015	-.00012	.00094	.00059	-.00171
SDev	.00069	.01886	.00003	.00047	.00093	.00046	.00023
%RSD	6875.8	33.633	16.805	402.15	99.012	78.790	13.246
#1	.00050	.04274	.00014	.00022	.00028	.00026	-.00155
#2	-.00048	.06941	.00017	-.00045	.00159	.00091	-.00187
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	.00011	-.00381	-.00066	-.00007	-.00204	.00003	-.00016
SDev	.00155	.00039	.00053	.00024	.00027	.00000	.00004
%RSD	1373.1	10.193	81.231	327.94	13.367	1.4273	26.615
#1	.00121	-.00408	-.00028	.00010	-.00184	.00003	-.00013
#2	-.00099	-.00353	-.00103	-.00024	-.00223	.00003	-.00019
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	-.00000
SDev	.00046	.00005
%RSD	852.84	1617.7
#1	-.00038	-.00004
#2	.00027	.00003
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	4714	--	--	--	--	--	--
SDev	1.219828	--	--	--	--	--	--
%RSD	.0258754	--	--	--	--	--	--
#1	4713	--	--	--	--	--	--
#2	4715	--	--	--	--	--	--

Analysis Report   12/10/04 04:43:03 PM   page 1

Method: TRACE2   Sample Name: AD466790   Operator: SW
Run Time: 12/10/04 16:38:42
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.32889	.01576	.08048	.70195	.00049	H318.51	.00078
SDev	.00250	.00056	.00126	.00161	.00002	1.74	.00001
%RSD	.76079	3.5392	1.5593	.22984	4.2474	.54502	.64497
#1	.32712	.01536	.07960	.70081	.00048	H317.28	.00078
#2	.33066	.01615	.08137	.70309	.00051	H319.74	.00077
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	.03573	.00309	.00541	1.7532	2.2147	7.8922	11.216
SDev	.00073	.00015	.00014	.0139	.0030	.0321	.039
%RSD	2.0361	5.0028	2.5160	.79373	.13418	.40709	.34611
#1	.03522	.00299	.00531	1.7434	2.2168	7.8695	11.188
#2	.03625	.00320	.00550	1.7631	2.2126	7.9150	11.243
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	-.00177	H1476.2	.02805	.00844	.00967	.00926	.00558
SDev	.00052	1.7	.00030	.00303	.00083	.00045	.00033
%RSD	29.588	.11748	1.0713	35.886	8.6023	4.9009	5.9123
#1	-.00214	H1477.4	.02784	.01058	.00908	.00958	.00535
#2	-.00140	H1475.0	.02826	.00630	.01025	.00894	.00581
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	-.00036	.00771	.00452	.00374	-.00559	.00063	.04607
SDev	.00098	.00107	.00004	.00009	.00178	.00037	.00053
%RSD	271.47	13.842	.85409	2.3619	31.800	58.127	1.1417
#1	-.00105	.00695	.00454	.00368	-.00433	.00037	.04570
#2	.00033	.00846	.00449	.00380	-.00685	.00089	.04644
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm          ppm
Avge     .45438       .00082
SDev     .00325       .00027
%RSD     .71557       33.149

#1       .45208       .00063
#2       .45668       .00101

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	4503	--	--	--	--	--	--
SDev	11.93243	--	--	--	--	--	--
%RSD	.2650127	--	--	--	--	--	--
#1	4511	--	--	--	--	--	--
#2	4494	--	--	--	--	--	--

Analysis Report   12/10/04 04:47:26 PM   page 1

Method: TRACE2   Sample Name: AD466790/L (1:5)   Operator: SW
Run Time: 12/10/04 16:43:06
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.07925	.00273	.01717	.14637	.00013	71.747	.00020
SDev	.00011	.00063	.00019	.00014	.00002	.138	.00006
%RSD	.14049	22.855	1.1143	.09604	18.231	.19188	30.725
#1	.07933	.00229	.01731	.14647	.00014	71.845	.00024
#2	.07917	.00318	.01704	.14627	.00011	71.650	.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	.00741	.00075	.00100	.37227	.34223	1.6921	2.4055
SDev	.00026	.00044	.00027	.00307	.04997	.0071	.0023
%RSD	3.4567	59.670	27.017	.82585	14.602	.42119	.09395
#1	.00759	.00106	.00119	.37445	.37757	1.6971	2.4071
#2	.00723	.00043	.00081	.37010	.30689	1.6871	2.4039
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	-.00096	H289.63	.00616	.00113	.00196	.00169	.00060
SDev	.00021	.17	.00002	.00081	.00116	.00051	.00028
%RSD	21.389	.05910	.25335	71.634	59.242	30.042	47.167
#1	-.00082	H289.51	.00615	.00056	.00279	.00204	.00080
#2	-.00111	H289.75	.00617	.00170	.00114	.00133	.00040
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	-.00013	.00076	.00052	.00108	-.00197	.00010	.00978
SDev	.00124	.00083	.00084	.00020	.00040	.00020	.00039
%RSD	969.69	108.97	160.50	18.997	20.079	208.00	3.9657
#1	.00075	.00017	.00111	.00122	-.00169	.00024	.01005
#2	-.00100	.00134	-.00007	.00093	-.00225	-.00005	.00950
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 04:47:26 PM   page 2

```
Units     ppm          ppm
Avge      .09425       .00035
SDev      .00027       .00022
%RSD      .28342       62.790

#1        .09444       .00051
#2        .09407       .00020

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	4630	--	--	--	--	--	--
SDev	17.92523	--	--	--	--	--	--
%RSD	.3871184	--	--	--	--	--	--
#1	4618	--	--	--	--	--	--
#2	4643	--	--	--	--	--	--

Analysis Report   12/10/04 04:51:50 PM   page 1

Method: TRACE2   Sample Name: AD466791/MS   Operator: SW
Run Time: 12/10/04 16:47:30
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	8.8705	.19000	.23022	.77134	.16536	285.88	.16600
SDev	.0016	.00099	.00020	.00064	.00024	.28	.00040
%RSD	.01802	.51875	.08526	.08339	.14757	.09916	.24280
#1	8.8716	.18930	.23036	.77088	.16518	285.68	.16571
#2	8.8693	.19070	.23008	.77179	.16553	286.08	.16628
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	.19276	.16216	.17419	1.8145	14.277	14.676	9.8875
SDev	.00005	.00026	.00039	.0103	.018	.014	.0147
%RSD	.02805	.16013	.22577	.56851	.12328	.09367	.14901
#1	.19280	.16197	.17391	1.8072	14.289	14.666	9.8771
#2	.19273	.16234	.17447	1.8218	14.265	14.685	9.8979
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	.16294	H1292.7	.18569	.17179	.17286	.17250	.17870
SDev	.00064	.7	.00052	.00102	.00187	.00159	.00082
%RSD	.39136	.05505	.27922	.59519	1.0808	.91975	.45778
#1	.16248	H1293.2	.18533	.17251	.17418	.17362	.17812
#2	.16339	H1292.2	.18606	.17106	.17154	.17138	.17928
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	.17446	.17936	.17837	.16087	.16841	.16629	.19983
SDev	.00378	.00327	.00286	.00001	.00222	.00069	.00024
%RSD	2.1673	1.8244	1.6052	.00420	1.3158	.41286	.12142
#1	.17713	.18167	.17635	.16086	.16684	.16581	.19965
#2	.17178	.17705	.18040	.16087	.16997	.16678	.20000
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

Analysis Report   12/10/04 04:51:50 PM   page 2

```
Units    ppm          ppm
Avge     .55484       .04380
SDev     .00151       .00019
%RSD     .27292       .43332

#1       .55377       .04367
#2       .55591       .04394

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	4518	--	--	--	--	--	--
SDev	2.545654	--	--	--	--	--	--
%RSD	.0563466	--	--	--	--	--	--
#1	4516	--	--	--	--	--	--
#2	4520	--	--	--	--	--	--

Analysis Report   12/10/04 04:56:14 PM   page 1

Method: TRACE2   Sample Name: AD466792/SD   Operator: SW
Run Time: 12/10/04 16:51:54
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.620	.22487	.27636	.92227	.19798	H334.88	.19577
SDev	.028	.00224	.00121	.00348	.00084	1.10	.00058
%RSD	.26795	.99390	.43962	.37761	.42435	.32789	.29629
#1	10.600	.22329	.27550	.91981	.19738	H334.11	.19536
#2	10.641	.22645	.27722	.92473	.19857	H335.66	.19618
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	.22943	.19324	.20986	2.1749	17.383	17.418	11.723
SDev	.00085	.00089	.00073	.0015	.031	.059	.046
%RSD	.37093	.45901	.34870	.06959	.17610	.33587	.39279
#1	.22883	.19261	.20934	2.1760	17.362	17.377	11.691
#2	.23004	.19386	.21038	2.1739	17.405	17.460	11.756
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	.19519	H1542.6	.22062	.20180	.20399	.20326	.21018
SDev	.00096	1.7	.00115	.00301	.00167	.00011	.00105
%RSD	.49248	.11250	.51988	1.4899	.81785	.05490	.50029
#1	.19451	H1541.4	.21981	.19967	.20517	.20334	.20943
#2	.19587	H1543.8	.22144	.20392	.20281	.20318	.21092
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	.20804	.21209	.20922	.19170	.19656	.19777	.23631
SDev	.00106	.00413	.00049	.00097	.00393	.00061	.00097
%RSD	.50866	1.9478	.23343	.50627	1.9999	.30812	.41090
#1	.20729	.20917	.20957	.19101	.19378	.19734	.23562
#2	.20879	.21501	.20887	.19238	.19934	.19820	.23699
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units     ppm          ppm
Avge      .66287       .05164
SDev      .00024       .00084
%RSD      .03604       1.6259

#1        .66271       .05104
#2        .66304       .05223

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	4456	--	--	--	--	--	--
SDev	3.022812	--	--	--	--	--	--
%RSD	.0678356	--	--	--	--	--	--
#1	4458	--	--	--	--	--	--
#2	4454	--	--	--	--	--	--

Analysis Report   12/10/04 05:00:38 PM   page 1

Method: TRACE2   Sample Name: AD466793   Operator: SW
Run Time: 12/10/04 16:56:18
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9665	.02342	.04306	.14089	.00126	152.60	.01462
SDev	.0066	.00137	.00069	.00035	.00002	.33	.00007
%RSD	.33623	5.8490	1.6106	.24894	1.1746	.21700	.47711
#1	1.9619	.02439	.04355	.14064	.00125	152.36	.01467
#2	1.9712	.02245	.04257	.14114	.00127	152.83	.01457
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	.64429	.03647	.00629	4.0914	3.6845	3.5985	7.0271
SDev	.00127	.00017	.00009	.0125	.0109	.0106	.0154
%RSD	.19633	.46747	1.4607	.30536	.29659	.29581	.21885
#1	.64339	.03635	.00635	4.0826	3.6922	3.5910	7.0162
#2	.64518	.03659	.00622	4.1003	3.6768	3.6060	7.0380
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	H1671.4	.03106	7.6676	7.7332	7.7113	.00607
SDev	.00010	1.8	.00017	.0116	.0297	.0159	.00010
%RSD	34.077	.10818	.54685	.15169	.38394	.20659	1.6760
#1	.00023	H1670.1	.03118	7.6758	7.7122	7.7001	.00599
#2	.00037	H1672.7	.03094	7.6594	7.7542	7.7226	.00614
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	.01399	.00998	.00411	.00049	-.00570	.00220	H12.305
SDev	.00170	.00061	.00015	.00006	.00071	.00025	.024
%RSD	12.136	6.0673	3.6587	11.636	12.450	11.558	.19120
#1	.01519	.00955	.00421	.00053	-.00519	.00202	H12.288
#2	.01279	.01041	.00400	.00045	-.00620	.00238	H12.322
Errors	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC High
High	50.000			5.0000	50.000	50.000	5.0000
Low	-.01000			-.00200	-.01000	-.00300	-.00300

Elem	Sn1899	Ag3280

```
Units    ppm           ppm
Avge     .92521        .00002
SDev     .00304        .00041
%RSD     .32889        2135.3

#1       .92306        .00031
#2       .92736        -.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	4520	--	--	--	--	--	--
SDev	9.863933	--	--	--	--	--	--
%RSD	.2182274	--	--	--	--	--	--
#1	4513	--	--	--	--	--	--
#2	4527	--	--	--	--	--	--

Analysis Report   12/10/04 05:05:02 PM   page 1

Method: TRACE2   Sample Name: AD466794/LCS   Operator: SW
Run Time: 12/10/04 17:00:42
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.315	.21782	.24990	.21562	.20165	10.981	.20628
SDev	.019	.00219	.00146	.00070	.00085	.064	.00095
%RSD	.18450	1.0044	.58315	.32589	.42119	.58345	.46231
#1	10.302	.21627	.24887	.21513	.20105	10.935	.20560
#2	10.328	.21936	.25093	.21612	.20225	11.026	.20695
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	.20024	.19673	.20534	.42589	H16.696	9.7895	.20071
SDev	.00120	.00127	.00063	.01085	.028	.0487	.00083
%RSD	.59664	.64333	.30602	2.5476	.16682	.49699	.41284
#1	.19939	.19583	.20490	.41821	H16.716	9.7551	.20012
#2	.20108	.19762	.20579	.43356	H16.677	9.8239	.20129
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	.20152	H1608.4	.20195	.20593	.20402	.20465	.21070
SDev	.00048	2.2	.00153	.00166	.00323	.00160	.00565
%RSD	.23976	.13483	.75805	.80422	1.5828	.78295	2.6812
#1	.20118	H1606.9	.20086	.20710	.20173	.20352	.20670
#2	.20186	H1609.9	.20303	.20476	.20630	.20579	.21469
Errors	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass	LC Pass
High	.23000	11.500	.23000			.23000	.23000
Low	.17000	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	.21326	.21459	.20876	.19078	.20766	.19986	.21877
SDev	.00045	.00313	.00691	.00074	.00243	.00115	.00135
%RSD	.21236	1.4571	3.3104	.38747	1.1709	.57561	.61557
#1	.21294	.21238	.20387	.19025	.20594	.19905	.21781
#2	.21358	.21680	.21364	.19130	.20938	.20068	.21972
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	.21214	.05100
SDev	.00123	.00032
%RSD	.57916	.61842
#1	.21301	.05078
#2	.21128	.05122
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	4504	--	--	--	--	--	--
SDev	21.21320	--	--	--	--	--	--
%RSD	.4709649	--	--	--	--	--	--
#1	4519	--	--	--	--	--	--
#2	4489	--	--	--	--	--	--

Analysis Report   12/10/04 05:09:26 PM   page 1

Method: TRACE2   Sample Name: AD466795/EBLK   Operator: SW
Run Time: 12/10/04 17:05:06
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.01980	.00258	H.05543	H.01929	.00016	H1.0351	.00007
SDev	.00015	.00064	.00042	.00000	.00001	.0009	.00007
%RSD	.78299	24.899	.76216	.01117	3.0935	.08296	103.66
#1	.01969	.00212	H.05573	H.01929	.00016	H1.0345	.00002
#2	.01991	.00303	H.05513	H.01928	.00016	H1.0357	.00012
Errors	LC Pass	LC Pass	LC High	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	-.00013	.00069	.00291	.01408	H1.4657	.13130	.00240
SDev	.00016	.00012	.00052	.00810	.0149	.00268	.00001
%RSD	129.08	16.705	17.826	57.524	1.0164	2.0396	.30730
#1	-.00024	.00060	.00254	.00835	H1.4762	.12940	.00241
#2	-.00001	.00077	.00327	.01981	H1.4552	.13319	.00240
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	.00011	H1641.9	.00161	.00101	.00212	.00175	.00047
SDev	.00000	.6	.00046	.00224	.00021	.00089	.00049
%RSD	2.2742	.03870	28.859	222.25	9.9686	50.610	103.43
#1	.00011	H1641.5	.00128	.00259	.00227	.00238	.00082
#2	.00011	H1642.4	.00193	-.00058	.00198	.00113	.00013
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	-.00038	.00095	.00023	.00006	-.00510	.00027	.01627
SDev	.00040	.00172	.00013	.00005	.00039	.00021	.00011
%RSD	104.32	180.83	55.304	80.816	7.6718	79.567	.69664
#1	-.00010	.00217	.00014	.00009	-.00538	.00012	.01619
#2	-.00067	-.00027	.00032	.00002	-.00483	.00041	.01635
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     .00339       .00011
SDev     .00068       .00026
%RSD     19.981       235.02

#1       .00386       -.00007
#2       .00291       .00030

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	4461	--	--	--	--	--	--
SDev	5.992799	--	--	--	--	--	--
%RSD	.1343319	--	--	--	--	--	--
#1	4465	--	--	--	--	--	--
#2	4457	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 05:15:09 PM   page 1

Method: TRACE2   Sample Name: CRI   Operator: SW
Run Time: 12/10/04 17:10:49
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.20145	.01146	.04824	.00206	.00199	.50402	.00098
SDev	.00111	.00146	.00115	.00003	.00001	.00173	.00007
%RSD	.54975	12.781	2.3902	1.3984	.70312	.34347	7.5592
#1	.20066	.01250	.04742	.00204	.00198	.50280	.00093
#2	.20223	.01043	.04906	.00209	.00200	.50525	.00104
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	.00376	.00410	.00991	.05263	.51988	.19682	.00334
SDev	.00004	.00028	.00009	.00279	.02116	.00147	.00002
%RSD	.96871	6.8475	.86919	5.3077	4.0701	.74578	.55775
#1	.00378	.00430	.00985	.05066	.53485	.19785	.00333
#2	.00373	.00390	.00998	.05461	.50492	.19578	.00336
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	.00990	.95626	.00983	.00545	.00559	.00554	.01516
SDev	.00034	.04919	.00002	.00036	.00131	.00076	.00002
%RSD	3.3855	5.1441	.24291	6.6155	23.494	13.630	.14216
#1	.01014	.99104	.00982	.00520	.00651	.00608	.01514
#2	.00967	.92147	.00985	.00571	.00466	.00501	.01517
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	.02046	.01341	.01603	.00527	.01935	.00508	.01984
SDev	.00199	.00189	.00098	.00001	.00153	.00005	.00003
%RSD	9.7362	14.098	6.0968	.11971	7.9150	.92676	.16554
#1	.01905	.01475	.01534	.00526	.01827	.00504	.01982
#2	.02186	.01207	.01672	.00527	.02044	.00511	.01986
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

Analysis Report   Blank Sample   12/10/04 05:15:09 PM   page 2

```
Units    ppm          ppm
Avge     .01015       .00357
SDev     .00009       .00005
%RSD     .86225       1.4877

#1       .01021       .00361
#2       .01009       .00354

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	4713	--	--	--	--	--	--
SDev	2.333660	--	--	--	--	--	--
%RSD	.0495114	--	--	--	--	--	--
#1	4712	--	--	--	--	--	--
#2	4715	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 05:19:32 PM   page 1

Method: TRACE2   Sample Name: ICSA   Operator: SW
Run Time: 12/10/04 17:15:12
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	521.32	.00152	.00351	.00200	.00107	433.97	-.00493
SDev	.67	.00039	.00004	.00010	.00000	.21	.00011
%RSD	.12935	25.458	1.0938	5.1773	.41540	.04801	2.3050
#1	521.79	.00179	.00354	.00193	.00107	433.82	-.00485
#2	520.84	.00124	.00348	.00207	.00107	434.12	-.00501
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	.00059	-.00019	.00019	188.35	.01120	564.07	.00240
SDev	.00011	.00020	.00045	.04	.00185	.45	.00006
%RSD	18.990	106.68	237.81	.02047	16.531	.07891	2.4601
#1	.00051	-.00032	-.00013	188.38	.01251	564.38	.00244
#2	.00067	-.00005	.00051	188.32	.00989	563.75	.00236
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	.00508	.07945	.00240	.01465	-.00290	.00294	-.00037
SDev	.00121	.03739	.00006	.00049	.00111	.00058	.00082
%RSD	23.894	47.058	2.4506	3.3191	38.387	19.696	218.14
#1	.00422	.05301	.00245	.01430	-.00211	.00335	.00020
#2	.00594	.10588	.00236	.01499	-.00368	.00253	-.00095
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	-.00130	-.00285	.00086	.00171	.02741	-.00052	.00417
SDev	.00268	.00083	.00164	.00000	.00010	.00006	.00013
%RSD	206.83	29.265	190.17	.23387	.38062	11.297	3.1445
#1	-.00319	-.00344	.00203	.00170	.02748	-.00047	.00426
#2	.00060	-.00226	-.00030	.00171	.02733	-.00056	.00408
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Value							
Range							

Elem	Sn1899	Ag3280

Analysis Report   QC Standard   12/10/04 05:19:32 PM   page 2

```
Units    ppm          ppm
Avge     .00245       .00059
SDev     .00060       .00021
%RSD     24.727       35.485

#1       .00202       .00044
#2       .00287       .00074

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	4383	--	--	--	--	--	--
SDev	7.742612	--	--	--	--	--	--
%RSD	.1766510	--	--	--	--	--	--
#1	4378	--	--	--	--	--	--
#2	4388	--	--	--	--	--	--

```
Analysis Report      QC Standard        12/10/04 05:23:55 PM           page 1

Method: TRACE2      Sample Name: ICSAB                   Operator: SW
Run Time: 12/10/04 17:19:35
Comment:
Mode: CONC    Corr. Factor: 1
```

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	511.10	.10066	.00214	.50744	.48176	425.53	.90681
SDev	.77	.00014	.00003	.00068	.00015	.09	.00000
%RSD	.15066	.13695	1.5400	.13353	.03165	.02186	.00042
#1	510.55	.10076	.00216	.50696	.48165	425.46	.90680
#2	511.64	.10056	.00212	.50792	.48186	425.59	.90681
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	.45285	.46560	.51783	92.232	-.01769	551.86	.48797
SDev	.00044	.00042	.00024	.080	.03165	.64	.00040
%RSD	.09672	.09043	.04669	.08704	178.91	.11535	.08106
#1	.45254	.46530	.51766	92.175	.00469	551.41	.48769
#2	.45316	.46590	.51800	92.289	-.04007	552.31	.48824
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	.00620	-.01592	.90808	.06349	.04402	.05050	.04694
SDev	.00070	.05500	.00088	.00470	.00419	.00123	.00063
%RSD	11.266	345.49	.09673	7.3963	9.5202	2.4379	1.3400
#1	.00670	.02297	.90870	.06681	.04105	.04963	.04738
#2	.00571	-.05481	.90746	.06017	.04698	.05137	.04649
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	.60167	.05096	.04493	.00137	.10569	.47826	.88475
SDev	.00083	.00828	.00320	.00021	.00497	.00026	.00032
%RSD	.13813	16.250	7.1168	15.200	4.7044	.05345	.03660
#1	.60226	.05682	.04267	.00152	.10218	.47808	.88453
#2	.60109	.04511	.04719	.00123	.10921	.47844	.88498
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

Analysis Report   QC Standard   12/10/04 05:23:55 PM   page 2

```
Units    ppm          ppm
Avge     .00151       .20691
SDev     .00197       .00039
%RSD     130.65       .18925

#1       .00290       .20664
#2       .00011       .20719

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	4414	--	--	--	--	--	--
SDev	5.462469	--	--	--	--	--	--
%RSD	.1237655	--	--	--	--	--	--
#1	4410	--	--	--	--	--	--
#2	4417	--	--	--	--	--	--

Analysis Report   QC Standard   12/10/04 05:28:19 PM   page 1

Method: TRACE2   Sample Name: CCV   Operator: SW
Run Time: 12/10/04 17:23:59
Comment:
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.034	.49485	.47869	.50245	.49892	25.065	.49208
SDev	.035	.00054	.00252	.00086	.00151	.089	.00177
%RSD	.13582	.10907	.52681	.17081	.30208	.35606	.35993
#1	26.009	.49447	.47690	.50185	.49785	25.002	.49083
#2	26.059	.49523	.48047	.50306	.49998	25.128	.49333
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	.49623	.49332	.51882	24.996	25.076	24.409	.50873
SDev	.00153	.00207	.00103	.090	.050	.105	.00184
%RSD	.30845	.42006	.19840	.35827	.20022	.42952	.36092
#1	.49514	.49185	.51809	24.933	25.040	24.335	.50743
#2	.49731	.49479	.51955	25.060	25.111	24.483	.51003
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	.47879	24.894	.50074	.49342	.49775	.49631	.50319
SDev	.00132	.181	.00093	.00100	.00306	.00171	.00025
%RSD	.27652	.72763	.18626	.20155	.61435	.34423	.04923
#1	.47786	25.023	.50008	.49413	.49559	.49510	.50337
#2	.47973	24.766	.50140	.49272	.49991	.49752	.50302
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	.51046	.49981	.50489	.49140	.50827	.49499	.48781
SDev	.00353	.00040	.00017	.00094	.00121	.00146	.00195
%RSD	.69096	.07972	.03413	.19195	.23799	.29482	.39920
#1	.50797	.50009	.50501	.49073	.50742	.49395	.48644
#2	.51296	.49952	.50477	.49207	.50913	.49602	.48919
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

Analysis Report   QC Standard   12/10/04 05:28:19 PM   page 2

```
Units    ppm         ppm
Avge     .51147      .49390
SDev     .00303      .00023
%RSD     .59185      .04756

#1       .50933      .49374
#2       .51361      .49407

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	4670	--	--	--	--	--	--
SDev	9.970275	--	--	--	--	--	--
%RSD	.2135191	--	--	--	--	--	--
#1	4677	--	--	--	--	--	--
#2	4662	--	--	--	--	--	--

Analysis Report   Blank Sample   12/10/04 05:32:44 PM   page 1

Method: TRACE2   Sample Name: CCB   Operator: SW
Run Time: 12/10/04 17:28:23
Comment :
Mode: CONC   Corr. Factor: 1

Elem	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.06594	-.00030	.00050	.00022	.00013	.06946	.00007
SDev	.07128	.00014	.00007	.00016	.00009	.06070	.00028
%RSD	108.10	46.693	14.822	70.745	71.492	87.393	393.70
#1	.01554	-.00040	.00055	.00011	.00006	.02654	-.00013
#2	.11634	-.00020	.00044	.00034	.00019	.11238	.00027
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	.00027	-.00012	-.00021	.01902	.00190	.06257	.00049
SDev	.00043	.00010	.00031	.01323	.00400	.06595	.00008
%RSD	160.79	87.779	152.75	69.565	210.44	105.40	16.355
#1	-.00004	-.00019	-.00043	.00966	.00473	.01594	.00044
#2	.00057	-.00004	.00002	.02837	-.00093	.10921	.00055
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	.00018	.01739	.00027	.00003	.00140	.00094	-.00154
SDev	.00045	.05136	.00039	.00257	.00144	.00010	.00049
%RSD	253.55	295.34	147.58	8108.8	102.92	11.020	31.979
#1	.00050	.05370	-.00001	.00185	.00038	.00087	-.00188
#2	-.00014	-.01893	.00054	-.00179	.00242	.00102	-.00119
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	-.00016	-.00057	-.00202	.00007	.00019	.00027	-.00004
SDev	.00260	.00326	.00089	.00009	.00202	.00015	.00021
%RSD	1588.2	568.15	44.305	127.35	1058.5	53.871	507.37
#1	.00168	-.00288	-.00139	.00013	.00162	.00017	-.00019
#2	-.00201	.00173	-.00265	.00001	-.00124	.00038	.00011
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	.00151	-.00031
SDev	.00100	.00003
%RSD	66.316	9.8847
#1	.00221	-.00029
#2	.00080	-.00033
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	4729	--	--	--	--	--	--
SDev	5.144133	--	--	--	--	--	--
%RSD	.1087799	--	--	--	--	--	--
#1	4725	--	--	--	--	--	--
#2	4733	--	--	--	--	--	--

STL Buffalo
Date: 12/09/2004
Time: 09:05:48

Page: 1
Rept: AN0764

452/481

METALS DIGESTION LOG
A4B20611 - 12/09/04 ASP00/6010 SOIL 3050 (Closed)
SOLIDS

Date	Time	Dig Emp	Jobno	Sample ID	Bot ID	Sample Type	Digest ID	V1	Analysis Type	Initial Wgt (g)	Final (ml)	Color Before/After	Clarity Before/After	Textur
12/09/04	08:00	JLG	A04-C233	A4C23301	A	FS	AD466610	A	TM	0.5024	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG	A04-C233	A4C23301MS	A	MS	AD466611	A	TM	0.4994	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG	A04-C233	A4C23301SD	A	SD	AD466612	A	TM	0.5250	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG	A04-C233	A4C23302	A	FS	AD466613	A	TM	0.4838	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG	A04-C233	A4C23303	A	FS	AD466614	A	TM	0.5605	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG	A04-C233	A4C23304	A	FS	AD466615	A	TM	0.4883	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG	A04-C233	A4C23305	A	FS	AD466616	A	TM	0.4606	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG		A4B2061101	A	CLPSL	AD466617	A	TM	0.5005	50.00	BROWN BROWN	CLOUDY CLDY/F	TOPSOI
12/09/04	08:00	JLG		A4B2061102	A	MBLK	AD466618	A	TM	0.5000	50.00	COLORLES COLORLES	CLEAR CLR/FI	NONE

Comments: EPPENDORF'S USED IN PARENTHESIS:
    4.) MD-03A-2602E .200ml SN 510517
QUALITY CONTROL ADDITIVES:
SPIKES ADDED / EPPENDORF (*) USED FOR SPIKING
    CLP #1 -987- 8-MDL-3   (1) .20 ml PER 50ML FIN VOL
    CLP #2 -988- 8-MDL-5   (1) .20 ml PER 50ML FIN VOL
    CLP #3 -989- 8-MDL-4   (1) .20 ml PER 50ML FIN VOL
    SOIL SPIKE 9-MDL-18 LOTD039-540   .5 gr PER 50ML FIN VOL
CONC. NITRIC ACID   = 10-MDL-06
1:1   NITRIC ACID   = MSL5311
CONC. Hcl ACID   = 11-MDL-10
Hydrogen Peroxide   = ANALYSIS W/O Sn 10-MDL-2, Sn ANALYSIS- 9-MDL-21
HOT BLOCK TEMPERATURE   = 96
SAMPLE TEMPERATURE   = 119
BATCH ENDED   = 1200
DIGESTIVE CUP LOT   = A405LS149
2 micron FILTERMATE   = 11130760-3

Color: Black   Gray   Red   Yellow
          Blue   Green   Violet Colorless
          Brown   Orange White
* Redigestion

Texture: Fine   (powdery)
            Medium (sand)
            Coarse (large crystals or rocks)

Clarity: Clear
            Cloudy
            Opaque

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-C233	A4C23301		12/09/2004		T NI	1.21	5.86	4.74	4.65	3.53	75.90	N
A04-C233	A4C23301MS		12/09/2004		T NI	1.21	5.86	4.74	4.65	3.53	75.90	N
A04-C233	A4C23301SD		12/09/2004		T NI	1.21	5.86	4.74	4.65	3.53	75.90	N
A04-C233	A4C23302		12/09/2004		T NI	1.22	6.36	5.38	5.14	4.16	80.90	N
A04-C233	A4C23303		12/09/2004		T NI	1.23	5.14	3.63	3.91	2.40	61.40	N
A04-C233	A4C23304		12/09/2004		T NI	1.19	7.87	5.88	6.68	4.69	70.20	N
A04-C233	A4C23305		12/09/2004		T NI	1.24	6.92	3.87	5.68	2.63	46.30	N

WET CHEMISTRY DATA

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

Client Sample No.

D088A

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23301

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.30				9045	12/10/2004

Comments:

FORM I - WC

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

Client Sample No.

D088AA

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23302

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	8.18				9045	12/10/2004

Comments:

FORM I - WC

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

Client Sample No.

D088B

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23303

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.31				9045	12/10/2004

Comments:

FORM I - WC

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

Client Sample No.

D088C

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23304

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.40				9045	12/10/2004

Comments:

_____

_____

_____

_____

FORM I - WC

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

Client Sample No.

D088D

Lab Name: STL Buffalo   Contract: C004154

Lab Code: RECNY   Case No.: SH904   SAS No.: _____   SDG No.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4C23305

% Solids: 0.0   Date Samp/Recv: 12/08/2004 12/08/2004

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	6.63				9045	12/10/2004

Comments:

FORM I - WC

Date: 01/06/2005   Page: 1
Time: 09:02:46   Rept: AN1368

Laboratory: A
Project Manager: BJF

Compare Client DL for PROJECT NY1A8770.9 and Task 1 to Lab MDL
For METHOD: 9045   PROTOCOL: ASP00

| | Tsk | | | TDL | | | T | M | | | | | E | E |
| Client Name | Project No | No | Parameter | Type | Protcl | Method | Test | M | UM | CDL | TDL | MDL | X | I |

Fraction: WC

| NYS DEC | NY1A8770.9 | 1 | Leachable pH | CRQL | ASP00 | 9045 | STA00900 | S | S.U. | | 0.00000 | 0.00000 | Y | * |

ET - Exception Types: N - MDL "Not Found"   * - TDL=0 or MDL=0   M - MDL>CDL (TDL Type CDL) or MDL>TDL (TDL Type CRQL,EQL)   E - TDL>CDL (TDL Type CDL)

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.: 1208

Matrix (soil/water): SOIL   Lab Sample ID: A4B2079301

% Solids: 100.0   Date Samp/Recv: _____ _____

Parameter Name	Units of Measure	Result	C	Q	M	Method Number	Analyzed Date
Leachable pH	S.U.	7.03				9045	12/10/2004

Comments:

_____
_____
_____
_____

WET CHEMISTRY RAW DATA

STL BUFFALO
pH LOG – SOILS Method 9045C
Logbook# A04-10-10   BATCH A4320793   000022

DATE	ANAL.	BUFFERS 7:00	BUFFERS 4:00	BUFFERS 10:00	BUFFER TEMP °C	JOB #	SAMPLE I.D.	SPL WT.(g)/VOL.(ml)	SAMPLE TEMP °C	pH	TIME	COMMENTS
10/4	mC	WCR-A-73E 7.04	WCR- cha-69-g 4.01	WCR- cha-74c 9.99	21.4	ICV	7.0	20/20	21.5	7.03	2016	
						c251	01		21.2	7.45	2019	
							02		20.6	7.08	2020	
							03		20.5	7.17	2021	
							04		20.4	7.18	2023	
							05		20.5	7.33	2024	
							06		20.5	8.12	2025	
							07		20.4	7.73	2025	
						c302 ccv	07dupe		20.6	7.76	2700	
							01		20.5	7.83	2026	
						c303	02		20.8	7.97	2028	
						c302	03		21.1	7.04	2030	
							04		20.9	7.74	2031	
							05		20.7	7.84	2031	
						c293 ccv	01		20.6	7.76	2032	
							02		19.2	7.30	2033	
						c293	03		19.0	8.18	2034	
									18.7	7.31	2037	

pH Meter Model # Thermo Orion

SRM 7:00 = WCR cha-72-F

Reviewed By _____

Date _____

STL BUFFALO
pH LOG – SOILS Method 9045C
Logbook # A04-10-10

DATE	ANAL.	BUFFERS 7:00	4:00	10:00	BUFFER TEMP °C	JOB #	SAMPLE I.D.	SPL. WT.(g)/VOL.(ml)	SAMPLE TEMP °C	pH	TIME	COMMENTS
		WCR-	WCR-	WCR-								
6/4	MC				MC 12/4/14	5203	04	20/20	18.8	7.40	2039	
					12/4/14	C303	05		18.7	6.63	2040	
						C303	06		20.2	7.77	2041	
						C303	07		20.5	7.67	2041	
						*CCV	7.00		21.1	7.02	2041	
						C303	08		20.8	7.59	2042	
							09		20.7	7.58	2042	
							10		20.6	7.70	2043	
							11		20.7	7.69	2044	
							12		20.7	7.69	2044	
							13		20.7	7.07	2045	
							14		20.9	7.85	2046	
							15		20.7	7.51	2047	
							16		20.8	8.41	2048	
							17		21.0	7.95	2049	
							18		20.8	7.93	2051	
						CCV	7.00		21.1	7.01	2053	

pH Meter Model # _____ SEE PAGE 22

SRM 7:00 = WCR

Reviewed By _____

Date _____

CASE FILE PURGE

MISCELLANEOUS DATA

GC INJECTION LOG BOOK

INSTRUMENT ID 11P JPSD-14

COLUMN ID'S A 23 35 B 23-5 SEQUENCE 52

SYRINGE LOT #

SOLVENT LOT #

DATE & INIT.	JOB #	A VIAL ID	DF	B VIAL ID	DF	FILE ID A	B	GC METHOD	PROCESS Y/N	COMMENTS
12/13/14	GC	A4400250TT	mBLK			209 2/2	12/13/14			Cutt
	C243	25058				210				
		25057 M5								
		25060 50				215				
		25061								
		25062								
		25063				215	12/13/14			Cutt
—		Hexane								
	C243	A4400 25064				216				Cutt
—		Hexane								
	C263	A4400 25065				220	12/13/14			Cut
—		Hexane								
	ccv	ICM54RA 0.5				225				A CK
	IDUC	ICM 36F 0.03								△ Clony
	GC	A3400/4854 M3B								
		14805 mBLK								
	C233	14806 X50				205	12/13/14			
		14807 X100								
		14808 X50				230				
		14809 X100								
		14810 X2								
		14811 M5 X2				230	12/13/14		✓	
		14812 50D X2								
—		Hexane				235				A CK
	ccv	ICM6650 0.5				237	12/13/14			A Clony
	IDUC	ICM36F				238				B CK
—		Prima								B Clony

SHIPPING/RECEIVING DATA

Chain of Custody Record

SEVERN TRENT
STL
Severn Trent Laboratories, Inc.

STL-4124 (0901)

Field	Value
Client	New York State DEC
Project Manager	MAURICE MOORE
Date	12/08/04
Chain of Custody Number	169228
Address	870 Michigan Ave
Telephone Number (Area Code)/Fax Number	716 851-7330
Lab Number	
City	Buffalo
State	NY
Zip Code	14203
Page	1 of 1
Project Name and Location (State)	ALTECH - DUNKIRK NY
Site Contact	
Lab Contact	
Contract/Purchase Order/Quote No.	
Carrier/Waybill Number	

Special Instructions/Conditions of Receipt

Analysis (Attach list if more space is needed)

Sample I.D. No. and Description (Containers for each sample may be combined on one line)	Date	Time	Air	Aqueous	Sed.	Soil	Unpres.	H2SO4	HNO3	HCl	NaOH	ZnAc/NaOH	PCBs	Nickel
D088 A	12/08/04	1100			X								✓	✓
D088 AA		1105			X								✓	✓
D088 B		1120			X								✓	✓
D088 C		1135			X								✓	✓
D088 D		1400			X								✓	✓

Containers & Preservatives

Matrix

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☑ Unknown

Turn Around Time Required
☐ 24 Hours ☑ 48 Hours ☐ 7 Days ☐ 14 Days ☐ 21 Days ☐ Other STANDARD

Sample Disposal
☑ Disposal By Lab ☐ Return To Client ☐ Archive For _____ Months
(A fee may be assessed if samples are retained longer than 1 month)

QC Requirements (Specify)

	Date	Time			Date	Time
1. Relinquished By [signature]	12/08/04	1400	1. Received By [signature] David Sigmund		12/08/04	1400
2. Relinquished By [signature]	12/08/04	1130	2. Received By [signature] Jones Alg St Buffalo		12-8-04	1430
3. Relinquished By			3. Received By			

Comments   4.6°C

DISTRIBUTION: WHITE - Returned to Client with Report; CANARY - Stays with the Sample; PINK - Field Copy

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 *PCBs + Nickel*	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

COLLECTED BY: *M. Moore*	TELEPHONE NUMBER: *716 857-7220*	REGION NO.: *9*
CONTRACT LABORATORY: *STL*	COUNTY: *Chaut.*	SAMPLING DATE: *12/08/04*	MILITARY TIME: *1100*

SAMPLE MATRIX:

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

CASE NO. *514191014*	SDG NO. *121081*	SAMPLE NO. *D10818 1A1*	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☒ Grab ☐ Composite ☐ Term ___ hours

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

SAMPLING POINT:

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
| | | | | |

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 *PCB's — Nickel*	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

COLLECTED BY: *M Moore*	TELEPHONE NUMBER: *716 851-7220*	REGION NO.: *9*
CONTRACT LABORATORY: *STL*	COUNTY: *Chautauqua*	SAMPLING DATE: *12/08/04*	MILITARY TIME: *1105*

SAMPLE MATRIX:

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

CASE NO. *SH1910*	SDG NO. *12D181*	SAMPLE NO. *D1018 A*	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☑ Grab ☐ Composite ☐ Term ___ hours

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

SAMPLING POINT:

	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
	| | | | | |

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _____ *PCB's + nickel*	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

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

CONTRACT LABORATORY: *STL*	COUNTY: *Chautaugua*	SAMPLING DATE: *12/01/04*	MILITARY TIME: *1120*

SAMPLE MATRIX:

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

CASE NO. *S1419104*	SDG NO. *12081*	SAMPLE NO. *D108181*	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☑ Grab ☐ Composite ☐ Term _____ hours

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

SAMPLING POINT:

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
│   │   │   │   │   │

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION
CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _____ *PCB's + nickel* _____

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

COLLECTED BY: *M. Moore*	TELEPHONE NUMBER: *716 851-7220*	REGION NO.: *9*
CONTRACT LABORATORY: *STL*	COUNTY: *Chautauqua* SAMPLING DATE: *12/08/04*	MILITARY TIME: *1135*

SAMPLE MATRIX:

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

CASE NO. *5141904*	SDG NO. *120181*	SAMPLE NO. *D10818|C1*	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☒ Grab ☐ Composite ☐ Term _____ hours

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

SAMPLING POINT:

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

| | | | | | |

74-15-1 (9/97)—q

NEW YORK STATE DEPARTMENT OF ENVIRONMENTAL CONSERVATION

CONTRACT LAB SAMPLE INFORMATION SHEET
Print Legibly

Part 3

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 _PCB's + Nickel_	

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)	☐ 43. TCLP	☐ 44. TCLP (Metals Only)
☐ 45. Reactivity	☐ 46. Dioxin (USEPA 8280)	☐ 47. Appendix IX
☐ 48. Other _____	☐ 63 Percent Solids	☐ 68. Metals—17 Hazardous

MUNICIPAL SLUDGE

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

COLLECTED BY: _M. Moore_	TELEPHONE NUMBER: _716 851-7220_	REGION NO.: _9_
CONTRACT LABORATORY: _STL_	COUNTY: _Chautauqua_ SAMPLING DATE: _12/08/04_	MILITARY TIME: _1200_

SAMPLE MATRIX:

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

CASE NO. _51H9014_	SDG NO. _D10181Y1_	SAMPLE NO. _D10188D1_	CHECK FOR MS/MD ☐ This sample	TYPE OF SAMPLE ☒ Grab ☐ Composite ☐ Term _____ hours

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

SAMPLING POINT:

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

| | | | | | |

Date: 01/06/2005
Time: 08:51:20

Page: 1 of
Rept: AN0455

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: 1208

Log in Date: 12/08/2004

REMARKS:

Custody Seal(s)...: Absent
Custody Seal No(s): Absent
Sample Tags.......: Absent
Sample Tag Numbers: Absent

Chain of Custody Records.....: Present
Traffic Reports or Packing List: Present/Absent
Date Received at Lab.........: 12/08/2004
Time Received................: 14:30

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...: WALK IN
                   _____

SAMPLE TRANSFER:
Fraction: VOAS   : Extract.
Area #..: Suite 106 : Wales Ave.

Reviewed By: _____
Date.......: _____/20

CORRESPONDING

EPA SAMPLE #	SAMPLE TAG #	ASSIGNED LAB #	REMARKS CONDITION OF SAMPLE SHIPMENT, ECT.	MATRIX
D088A		A4C23301		SOIL
D088AA		A4C23302		SOIL
D088B		A4C23303		SOIL
D088C		A4C23304		SOIL
D088D		A4C23305		SOIL

```
+---------------------------------------------------------------------------+
|   SDG No:  1208              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-C233		A4B2061101	LCS CLP Soils	CLPSL		SOIL
		A4B2061102	Method Blank	MBLK		SOIL
		A4B2063801	Matrix Spike Blank	MSB		SOIL
		A4B2063802	Method Blank	MBLK		SOIL
		A4B2079301	LCS	LCS		SOIL
	(1)	A4C23301	D088A	FS	12/08/2004 14:30	SOIL
		A4C23301MS	D088A	MS	12/08/2004 14:30	SOIL
		A4C23301SD	D088A	SD	12/08/2004 14:30	SOIL
	(2)	A4C23302	D088AA	FS	12/08/2004 14:30	SOIL
	(3)	A4C23303	D088B	FS	12/08/2004 14:30	SOIL
	(4)	A4C23304	D088C	FS	12/08/2004 14:30	SOIL
	(5)	A4C23305	D088D	FS	12/08/2004 14:30	SOIL
		A4C23305MS	D088D	MS	12/08/2004 14:30	SOIL
		A4C23305SD	D088D	SD	12/08/2004 14:30	SOIL
		A4C23306	LCS	LCS		SOIL
		A4C23307	Method Blank	MBLK		SOIL

```
                                 Date SDG Closed:     /  /20
                        Date Due to Report Department: _____
                          Date Report Due to Client: 01/07/2005
```

SAMPLE DELIVERY GROUP (SDG) COVER SHEET
CONTRACT LAB SAMPLE INFORMATION (CLSIS)

Lab Name: <u>Severn Trent Laboratories, Inc.</u>   Contract Number: <u>C003783</u>

Lab Code: <u>STL Buffalo</u>   Case Number: <u>SH9 C4</u>

SDG No./First Sample in SDG: <u>DC8 / DC88A</u>   Sample Receipt Date: <u>12/08/04</u>
    (Lowest DEC sample number in first   (MM/DD/YY)
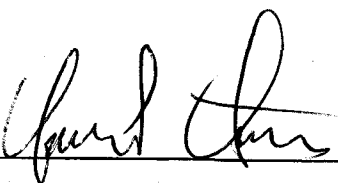   shipment of samples received under this SDG)

Last Sample in SDG: <u>DC88D</u>   Sample Receipt Date: <u>12/08/04</u>
    (Highest DEC sample number in last   (MM/DD/YY)·
    shipment received under this SDG)

DEC sample numbers in this SDG (list in alphanumeric order):

1. __DO88A__   11. _____

2. __DO88AA__   12. _____

3. __DO88B__   13. _____

4. __DO88C__   14. _____

5. __DO88D__   15. _____

6. _____   16. _____

7. _____   17. _____

8. _____   18. _____

9. _____   19. _____

10 _____   20. _____

Note: There are a maximum of 20 field samples in an SDG.

_____   __1/6/05__

Sample Custodian   Date

Job No	: A04-C233		NYS DEC
Project/Task:	NY1A8770.9 1		CASE SH904
SDG No/Case	: 1208 SH904		
Sample Mgmt	:		NYS DEC ASP Contract #C004154 - Region 9
Status/Prior:	O N		
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	: 12/08/2004		PO No:
TCLP Prep Dt:	12/12/2004		
Prep Date	: 12/13/2004		Project Mgr: BJF Copy : 1
Lab Date	: 12/21/2004		Sales Rep : CJS Level : 4
ME DP Date	: 12/24/2004		Report Group :
DP Date	: 12/26/2004		
Client Date	: 01/07/2005		Login Complete Date: 12/08/04

ASRF Comments:

Frac	No	TAT	Test	Test Description	TIC	VOA Anal HT Dates
GE	9	30	CTA12950	NYSDEC - ASP00 8082 - PCBS - S	N	
ME	9	30	CTA13465	NYSDEC - ASP00/6010 - NICKEL - TOTAL - S	N	
WC	6	30	STA00900	LEACHABLE PH - S	N	

Sample Custodian: _____   ___ / ___ /20 ___

Analytical Services Coordinator: _____   ___ / ___ /20 ___

Job No : A04-C233	NYS DEC
Proj/Task : NY1A8770.9 1	

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

Date: 01/06/2005
Time: 09:03:10

ASRF Sample Test Assignment

Job #: A04-C233   NYS DEC
Proj/Task: NY1A8770.9 NYS DEC ASP Contract #C004154 - Region 9
SDG No: 1208
Client Due: 01/07/2005

Lab ID	Client Sample ID	Matrix	Type	Sample	Received	CTA12950 ASP00 8082 GE SOIL / ASP00	CTA13465 ASP00 6010 ME SOIL / T NI	STA00900 ASP00 9045 WC SOIL / LPH
A4B2061101	LCS CLP Soils	SOIL	CLPSL					
A4B2061102	Method Blank	SOIL	MBLK					
A4B2063801	Matrix Spike Blank	SOIL	MSB			30C		
A4B2063802	Method Blank	SOIL	MBLK			30C		
A4B2079301	LCS	SOIL	LCS					30C
A4C23301	D088A	SOIL	FS	12/08 11:00	12/08 14:30	30C	30C	30C
A4C23301MS	D088A	SOIL	MS	12/08 11:00	12/08 14:30		30C	
A4C23301SD	D088A	SOIL	SD	12/08 11:00	12/08 14:30		30C	
A4C23302	D088AA	SOIL	FS	12/08 11:05	12/08 14:30	30C	30C	30C
A4C23303	D088B	SOIL	FS	12/08 11:20	12/08 14:30	30C	30C	30C
A4C23304	D088C	SOIL	FS	12/08 11:25	12/08 14:30	30C	30C	30C
A4C23305	D088D	SOIL	FS	12/08 12:00	12/08 14:30	30C		30C
A4C23305MS	D088D	SOIL	MS	12/08 12:06	12/08 14:30	30C		
A4C23305SD	D088D	SOIL	SD	12/08 12:06	12/08 14:30	30C		
A4C23306	LCS	SOIL	LCS				30C	
A4C23307	Method Blank	SOIL	MBLK				30C	

Date: 01/06/2005
Time: 09:03:10

Page: 1
Rept: AN0214

STL Buffalo
Job Inorganic Test Profiles

Job No: A04-C233
Project/Task: NY1A8770.9 1

Test No.	Description	Prot	Method	Mtx	TCLP	Holding Tclp Type	Extr	Anal	Prep Type	Unit Measure	Detect Limit Type	Value	Code	Amount	Spikes Conc	QC Limits	RPD
TME	TOTAL METALS																
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 Tclp Type	Extr	Anal	Prep Type	Unit Measure	Detect Limit Type	Value	Code	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				