SDMS Document ID
2039996

CORE LABORATORIES

ANALYTICAL REPORT

JOB NUMBER: 992695

Prepared For:

ISSI, Incorporated
999 18th Street
Suite 1450
Denver, CO 80202

Attention: Adrian Bradley

Date: 10/08/1999

Signature

Date 10/11/99

Name: Wendell D. Fischer

Title: Laboratory Supervisor

Core Laboratories, Inc.
10703 East Bethany Drive
Aurora, CO 80014

PHONE: (303) 751-1780
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U.S. ENVIRONMENTAL PROTECTION AGENCY
Environmental Services Division

CHAIN OF CUSTODY RECORD

REGION VIII, ONE DENVER PLACE
999 18TH. STREET
DENVER, CO. 80202-2413

PROJ. NO.: N120-008
PROJECT NAME: Bioavailability
SAMPLERS: (Signature)

STAT. NO.	DATE	TIME	COMP.	GRAB	STATION LOCATION	NO. OF CONTAINERS	1600/6010B (TAL Metals)	7471A (Hg)					REMARKS
B1-00003F	10.4.99	1625	X		Test Material #3	1		X					Hg only - please!

Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
	10.4.99 1625			10/5/99 0850	Michelle Weatherford
Relinquished by: (Signature)	Date/Time	Received by: (Signature)	Relinquished by: (Signature)	Date/Time	Received by: (Signature)
Relinquished by: (Signature)	Date/Time	Received for Laboratory by: (Signature)	Date/Time	Remarks	

Split Samples: ☐ Accepted ☐ Declined Signature

Distribution: Original Accompanies Shipment: First Copy to Coordinator Field Files: Second Copy to Representative of Inspected Facility

R8 EPA-014B (4-21-86)

8-32458

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CORE LABORATORIES

SAMPLE INFORMATION
Date: 10/08/1999

Job Number.: 992695
Customer...: ISSI, Incorporated
Attn.....: Adrian Bradley

Project Number.....: 99000259
Customer Project ID....: BIOAVAILABILITY
Project Description....: TALs + Indium

Laboratory Sample ID	Customer Sample ID	Sample Matrix	Date Sampled	Time Sampled	Date Received	Time Received
992695-1	B1-00003F	Soil	10/04/1999	16:25	10/05/1999	08:50

000002

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CORE LABORATORIES

LABORATORY TEST RESULTS

Job Number: 992695

Date: 10/08/1999

CUSTOMER: ISSI, Incorporated

PROJECT: BIOAVAILABILITY

ATTN: Adrian Bradley

Customer Sample ID: B1-00003F
Date Sampled.....: 10/04/1999
Time Sampled.....: 16:25
Sample Matrix.....: Soil

Laboratory Sample ID: 992695-1
Date Received.....: 10/05/1999
Time Received.....: 08:50

TEST METHOD	PARAMETER/TEST DESCRIPTION	SAMPLE RESULT	Q	FLAGS	REPORTING LIMIT	UNITS	DATE	TECH
SW-846 7471A	Mercury (Hg), Solid	0.730			0.012	mg/Kg	10/06/99	dfb
SW-846 7471A	Mercury (Hg), Solid	0.694			0.012	mg/Kg	10/06/99	dfb

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CORE LABORATORIES

QUALITY CONTROL RESULTS

Job Number.: 992695 | Report Date.: 10/08/1999

CUSTOMER: ISSI, Incorporated | PROJECT: TALs + Indium | ATTN: Adrian Bradley

Test Method.....: SW-846 7471A | Batch.....: 52339 | Analyst...: dfb
Method Description.: Mercury (CVAA) | Units.....: mg/Kg | Test Code.: HG
Parameter.....: Mercury (Hg)

QC	Lab ID	Reagent	QC Result	Q	QC Result	True Value	Orig. Value	Calc. Result	*	Limits	F	Date	Time
ICV		990925I	0.00391517			0.004000		97.9	%	90-110		10/06/1999	1703
ICB			0.00000027	U						0.0002		10/06/1999	1705
MB		1006 A	0.00000186	U						0.0002		10/06/1999	1706
SB		990924H	0.00211692			0.002000		105.8	%	80-120		10/06/1999	1708
LCS		990648	0.00404966			0.003870		104.6	%	64.4-13488		10/06/1999	1710
CCV		9909140	0.00517547			0.005		103.5	%	90-110		10/06/1999	1725
CCB			0.00000130	U						0.0002		10/06/1999	1727
MS	992695-1	990924H	0.00647718			0.002000	0.00430354	108.7	%	75-125		10/06/1999	1730
MSD	992695-1	990924H	0.00640281		0.00647718	0.002000	0.00430354	105.0	%	75-125		10/06/1999	1732
								1.2	R	20			
PDS	992695-1	990925I	0.00600732			0.002000	0.00430354	85.2	%	75-125		10/06/1999	1734
CCV		9909140	0.00519898			0.005		104.0	%	90-110		10/06/1999	1736
CCB			0.00000149	U						0.0002		10/06/1999	1738

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* %=% REC, R=RPD, A=ABS Diff., D=% Diff.

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CORE LABORATORIES

ANALYTICAL SUMMARY REPORT

Job Number: 992695

Report Date: 10/08/19

CUSTOMER: ISSI, Incorporated

PROJECT: BIOAVAILABILITY

ATTN: Adrian Bradley

BATCH	52339	ANALYTICAL METHOD	SW-846 7471A	DESCRIPTION	Mercury (CVAA)	ANALYST	dfb

Lab Sample ID	Client Sample Identification	Sample Matrix	Test Matrix	Sample Date	Sample Time	Analysis Date	Analysis Time	Dil/Corr. Factor
992695-1	B1-00003F	Soil	Solid	10/04/99	1625	10/06/99	1723	1
992695-1	B1-00003F	Soil	Solid	10/04/99	1625	10/06/99	1728	1

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CORE LABORATORIES

QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/08/19

(1) EPA 600/4-79-020 Methods for Chemical Analysis of Water and Wastes, March 1983

(2) EPA 600/4-91/010 Methods for the Determination of Metals In Environmental Samples, June 1991 & Supplement 1, May 1994

(3) EPA SW846 Test Methods for Evaluating Solid Waste, Third Edition, September 1986; Update I, July 1992; Update II, September 1994; Update IIA, August 1993; Update IIB, January 1995; Update III, December 1996

(4) Standard Methods for the Examination of Water and Wastewater, 16th Edition (1985), 17th Edition (1989), & 18th Edition (1992)

(5) EPA 600/4-80-032 Prescribed Procedures For Measurement Of Radioactivity in Drinking Water, August 1980

(6) EPA 600/8-78-017 Microbiological Methods For Monitoring The Environment, December 1978

(7) HACH Method 8000 Chemical Oxygen Demand for Water & Wastewater

(8) Federal Register, July 1, 1990 (40 CFR Part 136)

(9) EPA 600/4-88-03 Methods For The Determination of Organics Compounds in Drinking Water, December 1988

(10) U.S.G.S. Methods For Determination of Inorganic Substances In Water And Fluvial Sediments, Book 5, Chapter A1, 1985

(11) Federal Register, June 7, 1991 (40 CFR Parts 141 & 142)

(12) ASTM Section 11 Water and Environmental Technology, Volume 11.01 Water (1), 1991

(13) Methods of Soil Analysis, American Society of Agronomy, Agronomy No. 9, 1965

(14) ASTM Section 5, Petroleum Products, Lubricants, and Fossil Fuels, Volume 05.05, Gaseous Fuels, Coal, and Coke

(15) EPA 600/2-78-054 Field and Laboratory Methods Applicable To Overburdens and Mine Soils, March 1978

(16) ASTM Part 19, Soils and Rocks; Building Stones, 1981

COMMENTS

a) ND = Not detected. NC = Not calculable due to value(s) lower than the detection limit.

b) The report cover sheet is not paginated and is included as part of the final report.

c) Data in the QA report may differ from final results due to digestion and/or dilution of samples into analytical ranges. Quality control results are reported "as analyzed" within the instruments established calibration range.

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/08/19

d) The "Time Analyzed" in the QA report refers to the start time of the analytical batch which may not reflect the actual time of each analysis. The "Date Analyzed" is the actual date of analysis.

e) Results for soil and sludge samples are reported on a wet weight basis (i.e. not corrected for percent moisture) unless otherwise indicated.

f) Column confirmation analysis is not performed for GC volatiles parameters unless specified by contract.

BLANK QC SAMPLE IDENTIFICATION

MB	Method Blank
EB	Extraction Blank
ICB	Initial Calibration Blank
CCB	Continuing Calibration Blank

SPIKE QC SAMPLE IDENTIFICATION

MS	Method (Matrix) Spike
MSD	Method (Matrix) Spike Duplicate
PDS	Post-Digestion Spike
PSD	Post-Digestion Spike Duplicate
SB	Spike Blank
SBD	Spike Blank Duplicate

REFERENCE STANDARD QC SAMPLE IDENTIFICATION

LCS	Laboratory Control Standard
LCD	Laboratory Control Standard Duplicate
RS	Reference Standard
RSD	Reference Standard Duplicate
ICV	Initial Calibration Verification Standard
CCV	Continuing Calibration Verification Standard
ISA/ISB	ICP Interference Check Sample
ICL	Initial Calibration/Laboratory Control Sample
DSC	Distilled Standard Check
CRI	CRDL Low-Level ICP Standard

DUPLICATE QC SAMPLE IDENTIFICATION

MD	Method (Matrix) Duplicate
ED	Extraction Duplicate
SD	Serial Dilution

Analyses performed by a subcontract laboratory are indicated on the analytical and/or quality control reports under "Technician" using the following codes:

SUBCONTRACT LABORATORY	CODE
Core Laboratories - Anaheim, CA	* AN
Core Laboratories - Casper, WY	* CA
Core Laboratories - Corpus Christi, TX	* CC
Core Laboratories - Gulf States - Houston, TX	* HE
Core Laboratories - Houston, TX	* HP
Core Laboratories - Lake Charles, LA	* LC
Core Laboratories - Valparaiso, IN	* VP
Other Subcontract Laboratories	* XX

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QUALITY ASSURANCE METHODS

REFERENCES AND NOTES

Report Date: 10/08/19

EXPLANATION OF DATA QUALIFIERS - ORGANIC PARAMETERS

U - This qualifier indicates that the analyte was analyzed for but not detected.
J - Organic GC/MS Methods: This qualifier indicates that the value is an estimate. It is used when a compound is determined to be present based on the mass spectral data but at a concentration below the practical quantitation limit of the method.
J - Organic GC Methods: This qualifier indicates presumptive evidence of the presence of the compound at an estimated quantity.
E - This qualifier indicates that a sample result is an estimate because the concentration exceeded the upper calibration range of the instrument.

EXPLANATION OF DATA QUALIFIERS - METALS & INORGANIC PARAMETERS

U - This qualifier indicates that the analyte was analyzed for but not detected.
B - This qualifier indicates that the analyte was detected at a level below the reporting limit but greater than or equal to the instrument detection limit.

EXPLANATION OF DATA FLAGS - ALL PARAMETERS

B - This flag indicates that an analyte is present in the method blank as well as in the sample. The client should consider this when evaluating the data.
E - This flag indicates the reported value is estimated due to sample matrix interference.
W - This flag indicates that a post-digestion spike for GFAA analysis is outside quality control limits.
X - This flag indicates that a surrogate recovery is outside quality control limits.
Y - This flag indicates a spike or spike duplicate recovery is outside quality control limits.
Z - This flag indicates a relative percent difference for a spike and spike duplicate is outside quality control limits.
* - This flag indicates a relative percent difference for a duplicate analysis is outside quality control limits.

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52339

CORE LABORATORIES

MERCURY DIGESTIONS & PE FIMS 400 MERCURY AUTOANALYZER RUN LOG

SOPs HC-ATM-E001, HC-ATM-E002, HC-ATM-E046 and HC-ATM-E047

Mercury Digestion Data

Spike ID 990924H | Spike Conc. 2.0 µg/L | HNO3 ID 990822 | Method 7471
H2SO4 ID — | HCL ID 990771 | KMnO4 ID 980399 | Analyst O.B.
K2S2O8 ID — | SnCL2 ID 990519 | NaCl ID 970847 | Dig.Date 10-6-99
NH2OH•HCL ID 990516 | Dig. Temp 90°C | Dig.Start Time 1130 | Dig.End Time 1320

Mercury Analytical Data

Anal.Date 10-6-99 | Analyst O.B.
Anal. Start Time 1648 | Anal. End Time 1738 | Cal. Std. ID 990914N | Corr. Coeff. 0.99991
ICV Std. ID 990925I | ICV Conc. 4.0 µg/L | CCV Std. ID 990914O | CCV Conc. 5.0 µg/L

Sample ID	Aliquot mL or g	Final Volume mL	Dilution Factor	Raw Conc. µg/L	Comments
Initial Calibration Sequence - refer to instrument printout					
ICV	2.0	20	10x	—	
ICB	—	100	—		
MB 1005 A	—		—		
SB 990924H	—				
LCS 990648	0.30				
992640s-1	0.59				
-2	0.63				
-2	0.60				
-3	0.60				
992658s-1	0.60				
-2	0.60				
992695s-1	0.62				
CCV	—				
CCB	—				
992695s-1	0.62				
-1MS	0.62				
-1MSD	0.62				
					O.B. 10-6-99

NOTE: Continued on back of page.

CORE LABORATORIES

Sample ID	Aliquot mL or g	Final Volume mL	Dilution Factor	Raw Conc. µg/L	Comments
CCV	—	100	—	—	
CCB	—	100	—	—	
					DB. 10-6-99
CCV					
CCB					
CCV					
CCB					

Final Concentration (mg/L) = Raw Concentration µg/L x Dilution Factor ÷ 1000

Final Concentration (mg/Kg) = $\frac{\text{Raw Concentration } \mu g/L \times \text{Dilution Factor} \times \text{mL Final Volume}}{\text{Sample Aliquot (g)} \times 1000}$

NOTE: Recorded raw concentration µg/L values are taken from direct instrument readout.

Sample_ID	EL	Sam_Date	Sam_Time	RSD	Mean_SA	Seq
Calib Blank	Hg	10/06/1999	16:48:51	162.3		1
0.2 ppb	Hg	10/06/1999	16:50:39	1.339		2
0.5 ppb	Hg	10/06/1999	16:52:29	0.008		3
1.0 ppb	Hg	10/06/1999	16:54:19	0.662		4
2.0 ppb	Hg	10/06/1999	16:56:12	0.779		5
5.0 ppb	Hg	10/06/1999	16:58:03	1.082		6
10.0 ppb	Hg	10/06/1999	16:59:58	0.667		7
ICV 990925I	Hg	10/06/1999	17:03:16	0.799	0.00391517	8
ICB	Hg	10/06/1999	17:05:02	95.09	0.00000027	9
MB 1006 A	Hg	10/06/1999	17:06:49	45.30	0.00000186	10
SB 990924H	Hg	10/06/1999	17:08:37	0.716	0.00211692	11
LCS 990648	Hg	10/06/1999	17:10:26	0.467	0.00404966	12
992640S-1	Hg	10/06/1999	17:12:15	0.994	0.00427041	13
992640S-2	Hg	10/06/1999	17:14:05	0.282	0.00228301	14
992640S-2	Hg	10/06/1999	17:15:56	0.771	0.00217989	15
992640S-3	Hg	10/06/1999	17:17:47	0.723	0.00221990	16
992658S-1	Hg	10/06/1999	17:19:38	1.093	0.00026319	17
992658S-2	Hg	10/06/1999	17:21:30	0.025	0.00021551	18
992695S-1	Hg	10/06/1999	17:23:21	0.523	0.00452431	19
CCV 9909140	Hg	10/06/1999	17:25:14	0.597	0.00517547	20
CCB	Hg	10/06/1999	17:27:05	12.07	0.00000130	21
992695S-1	Hg	10/06/1999	17:28:55	0.690	0.00430354	22
992695S-1 MS	Hg	10/06/1999	17:30:48	0.639	0.00647718	23
992695S-1 MSD	Hg	10/06/1999	17:32:42	0.463	0.00640281	24
992695S-1 PDS	Hg	10/06/1999	17:34:37	0.389	0.00600722	25
CCV 9909140	Hg	10/06/1999	17:36:32	0.488	0.00519898	26
CCB	Hg	10/06/1999	17:38:23	12.86		

0.00000149 27

Method Name: CORE
Method Description:
Element: Hg

Date: 10/06/1999
Technique:FI-MHS
Calibration Type:
Hg, Zero Intercept: Linear
Wavelength: 253.7 nm
Sample Info Name: 100699A.SIF Results Data Set Name: 100699A

Element: Hg Seq. No.: 1 AS Loc.: 1 Date: 10/06/1999
Sample ID: Calib Blank

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0000	-0.0017	0.0000	04:48:19	No
2			0.0000	-0.0015	0.0000	04:48:51	No
Mean:			0.0000				
SD :			0.0000				
%RSD:			162.3560				

Auto-zero performed.

Element: Hg Seq. No.: 2 AS Loc.: 2 Date: 10/06/1999
Sample ID: 0.2 ppb

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0023	0.0159	0.0023	04:50:07	No
2			0.0022	0.0153	0.0022	04:50:39	No
Mean:			0.0022				
SD :			0.0000				
%RSD:			1.3393				

[Hg] Standard number 1 applied. [0.20000]
Correlation Coefficient: 1.00000 Slope: 0.01123

Element: Hg Seq. No.: 3 AS Loc.: 3 Date: 10/06/1999
Sample ID: 0.5 ppb

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0057	0.0413	0.0057	04:51:57	No
2			0.0057	0.0408	0.0057	04:52:29	No
Mean:			0.0057				
SD :			0.0000				
%RSD:							

[Hg] Standard number 2 applied. [0.50000]
Correlation Coefficient: 0.99985 Slope: 0.01143

Element: Hg Seq. No.: 4 AS Loc.: 4 Date: 10/06/1999
Sample ID: 1.0 ppb

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0118	0.0853	0.0117	04:53:47	No
2			0.0116	0.0825	0.0116	04:54:19	No
Mean:			0.0117				
SD :			0.0001				

%RSD: 0.0624
[Hg] Standard number 3 applied. [1.0000]
Correlation Coefficient: 0.99978 Slope: 0.01164

Element: Hg Seq. No.: 5 AS Loc.: 5 Date: 10/06/1999
Sample ID: 2.0 ppb

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0236	0.1721	0.0236	04:55:39	No
2			0.0234	0.1686	0.0233	04:56:12	No
Mean:			0.0235				
SD :			0.0002				
%RSD:			0.7798				

[Hg] Standard number 4 applied. [2.0000]
Correlation Coefficient: 0.99994 Slope: 0.01172

Element: Hg Seq. No.: 6 AS Loc.: 6 Date: 10/06/1999
Sample ID: 5.0 ppb

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.0583	0.4208	0.0583	04:57:21	No
2			0.0574	0.4166	0.0574	04:58:03	No
Mean:			0.0579				
SD :			0.0006				
%RSD:			1.0825				

[Hg] Standard number 5 applied. [5.0000]
Correlation Coefficient: 0.99997 Slope: 0.01160

Element: Hg Seq. No.: 7 AS Loc.: 7 Date: 10/06/1999
Sample ID: 10.0 ppb

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1			0.1140	0.8394	0.1140	04:59:25	No
2			0.1129	0.8226	0.1129	04:59:58	No
Mean:			0.1135				
SD :			0.0008				
%RSD:			0.6671				

[Hg] Standard number 6 applied. [10.000]
Correlation Coefficient: 0.99991 Slope: 0.01141

Calibration data for Hg

Standard ID	Mean Signal (Pk Height)	Entered Concentration (µg/L)	Calculated Concentration (µg/L)	Standard Deviation	%RSD
Calib Blank	0.0000	-----	----	----	----
0.2 ppb	0.0022	0.20000	0.19687	0.000030	1.3
0.5 ppb	0.0057	0.50000	0.50217	0.000000	----
1.0 ppb	0.0117	1.00000	1.0259	0.000078	0.7
2.0 ppb	0.0225	2.00000	2.0586	0.000193	0.8
5.0 ppb	0.0579	5.00000	5.0741	0.000627	1.1
10.0 ppb	0.1135	10.00000	9.9473	0.000757	0.7
Calib Blank	0.0000	-----	----	----	----

Correlation Coefficient: 0.9999 Slope: 0.01141 ----

000015

Element: Hg Seq. No.: 8 AS Loc.: [illegible] Date: 10/06/1999
Sample ID: ICV 990925I

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00394	3.9373	0.0449	0.3246	0.0449	05:02:43	No
2	0.00389	3.8930	0.0444	0.3190	0.0444	05:03:16	No
Mean:	0.00392	3.9152	0.0447				
SD :	0.000031	0.021320	0.0004				
%RSD:	0.8	0.8	0.8000				

QC value within specified limits.

Element: Hg Seq. No.: 9 AS Loc.: 1 Date: 10/06/1999
Sample ID: ICB

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00000	0.00009	0.0000	-0.0013	0.0000	05:04:30	No
2	0.00000	0.00045	0.0000	-0.0013	0.0000	05:05:02	No
Mean:	0.00000	0.00027	0.0000				
SD :	0.000000	0.000257	0.0000				
%RSD:	95.1	95.1	95.0976				

QC value within specified limits.

Element: Hg Seq. No.: 10 AS Loc.: 10 Date: 10/06/1999
Sample ID: MB 1006 A

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00000	0.00246	0.0000	-0.0002	0.0000	05:06:17	No
2	0.00000	0.00127	0.0000	-0.0004	0.0000	05:06:49	No
Mean:	0.00000	0.00187	0.0000				
SD :	0.000001	0.000845	0.0000				
%RSD:	45.3	45.3	45.3081				

Element: Hg Seq. No.: 11 AS Loc.: 11 Date: 10/06/1999
Sample ID: SB 990924H

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00213	2.1277	0.0243	0.1745	0.0243	05:08:05	No
2	0.00211	2.1062	0.0240	0.1714	0.0240	05:08:37	No
Mean:	0.00212	2.1169	0.0242				
SD :	0.000015	0.015173	0.0002				
%RSD:	0.7	0.7	0.7160				

Element: Hg Seq. No.: 12 AS Loc.: 12 Date: 10/06/1999
Sample ID: LCS 990648

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00406	4.0631	0.0464	0.3338	0.0463	05:09:54	No
2	0.00404	4.0363	0.0460	0.3291	0.0460	05:10:26	No
Mean:	0.00405	4.0497	0.0462				
SD :	0.000019	0.018933	0.0002				
%RSD:	0.5	0.5	0.4675				

Element: Hg Seq. No.: 13 AS Loc.: 13 Date: 10/06/1999
Sample ID: 992640S-1

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00430	4.2604	0.0491	0.3543	0.0490	05:11:43	No
2	0.00424	4.2404	0.0484	0.3455	0.0484	05:12:15	No
Mean:	0.00427	4.2704	0.0487				
SD :	0.000042	0.042469	0.0005				
%RSD:	1.0	1.0	0.9945				

Element: Hg Seq. No.: 14 AS Loc.: 14 Date: 10/06/1999
Sample ID: 992640S-2

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00229	2.2876	0.0261	0.1880	0.0261	05:13:33	No
2	0.00228	2.2785	0.0260	0.1858	0.0260	05:14:05	No
Mean:	0.00228	2.2830	0.0260				
SD :	0.000006	0.006453	0.0001				
%RSD:	0.3	0.3	0.2827				

Element: Hg Seq. No.: 15 AS Loc.: 15 Date: 10/06/1999
Sample ID: 992640S-2

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00219	2.1918	0.0250	0.1801	0.0250	05:15:24	No
2	0.00217	2.1680	0.0247	0.1767	0.0247	05:15:56	No
Mean:	0.00218	2.1799	0.0249				
SD :	0.000017	0.016815	0.0002				
%RSD:	0.8	0.8	0.7714				

Element: Hg Seq. No.: 16 AS Loc.: 16 Date: 10/06/1999
Sample ID: 992640S-3

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00223	2.2313	0.0255	0.1832	0.0254	05:17:15	No
2	0.00221	2.2085	0.0252	0.1797	0.0252	05:17:47	No
Mean:	0.00222	2.2199	0.0253				
SD :	0.000016	0.016070	0.0002				
%RSD:	0.7	0.7	0.7239				

Element: Hg Seq. No.: 17 AS Loc.: 17 Date: 10/06/1999
Sample ID: 992658S-1

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00027	0.26523	0.0030	0.0214	0.0030	05:19:06	No
2	0.00026	0.26116	0.0030	0.0207	0.0030	05:19:38	No
Mean:	0.00026	0.26320	0.0030				
SD :	0.000003	0.002878	0.0000				
%RSD:	1.1	1.1	1.0925				

Element: Hg Seq. No.: 18 AS Loc.: 18 Date: 10/06/1999
Sample ID: 992658S-2

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

000019

1	0.00022	0.21555	0.0025	0.0174	0.0024	05:20:50	No
2	0.00022	0.21547	0.0025	0.0172	0.0024	05:21:30	No
Mean:	0.00022	0.21551	0.0025				
SD :	0.000000	0.000054	0.0000				
%RSD:							

Element: Hg Seq. No.: 19 AS Loc.: 19 Date: 10/06/1999
Sample ID: 992695S-1

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00454	4.5410	0.0518	0.3721	0.0518	05:22:49	No
2	0.00451	4.5076	0.0514	0.3676	0.0514	05:23:21	No
Mean:	0.00452	4.5243	0.0516				
SD :	0.000024	0.023668	0.0003				
%RSD:	0.5	0.5	0.5231				

Element: Hg Seq. No.: 20 AS Loc.: 8 Date: 10/06/1999
Sample ID: CCV 9909140

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00520	5.1973	0.0593	0.4273	0.0593	05:24:42	No
2	0.00515	5.1536	0.0588	0.4205	0.0588	05:25:14	No
Mean:	0.00518	5.1755	0.0590				
SD :	0.000031	0.030934	0.0004				
%RSD:	0.6	0.6	0.5977				

QC value within specified limits.

Element: Hg Seq. No.: 21 AS Loc.: 1 Date: 10/06/1999
Sample ID: CCB

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00000	0.00120	0.0000	-0.0008	0.0000	05:26:33	No
2	0.00000	0.00142	0.0000	-0.0009	0.0000	05:27:05	No
Mean:	0.00000	0.00131	0.0000				
SD :	0.000000	0.000158	0.0000				
%RSD:	12.1	12.1	12.0794				

QC value within specified limits.

Element: Hg Seq. No.: 22 AS Loc.: 20 Date: 10/06/1999
Sample ID: 992695S-1

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00432	4.3245	0.0493	0.3545	0.0493	05:28:22	No
2	0.00428	4.2825	0.0489	0.3484	0.0488	05:28:55	No
Mean:	0.00430	4.3035	0.0491				
SD :	0.000030	0.029704	0.0003				
%RSD:	0.7	0.7	0.6902				

Element: Hg Seq. No.: 23 AS Loc.: 21 Date: 10/06/1999
Sample ID: 992695S-1 MS

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00651	6.5065	0.0742	0.5349	0.0742	05:30:16	No

000020

2	0.00645	6.4479	0.0736	0.5274	0.0735	05:30:48	No
Mean:	0.00648	6.4772	0.0739				
SD :	0.000041	0.041415	0.0005				
%RSD:	0.6	0.6	0.6394				

Element: Hg Seq. No.: 24 AS Loc.: 22 Date: 10/06/1999
Sample ID: 9926955-1 MSD

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00642	6.4238	0.0733	0.5280	0.0733	05:32:10	No
2	0.00638	6.3818	0.0728	0.5203	0.0728	05:32:42	No
Mean:	0.00640	6.4028	0.0730				
SD :	0.000030	0.029666	0.0003				
%RSD:	0.5	0.5	0.4633				

Element: Hg Seq. No.: 25 AS Loc.: 23 Date: 10/06/1999
Sample ID: 9926955-1 PDS

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00602	6.0239	0.0687	0.4947	0.0687	05:34:04	No
2	0.00599	5.9908	0.0683	0.4878	0.0683	05:34:37	No
Mean:	0.00601	6.0073	0.0685				
SD :	0.000023	0.023414	0.0003				
%RSD:	0.4	0.4	0.3890				

Element: Hg Seq. No.: 26 AS Loc.: 8 Date: 10/06/1999
Sample ID: CCV 9909140

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00522	5.2169	0.0595	0.4284	0.0595	05:36:00	No
2	0.00518	5.1810	0.0591	0.4217	0.0591	05:36:32	No
Mean:	0.00520	5.1990	0.0593				
SD :	0.000025	0.025387	0.0002				
%RSD:	0.5	0.5	0.4883				

QC value within specified limits.

Element: Hg Seq. No.: 27 AS Loc.: 1 Date: 10/06/1999
Sample ID: CCB

Repl #	SampleConc mg/L	StndConc µg/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.00000	0.00163	0.0000	-0.0010	0.0000	05:37:51	No
2	0.00000	0.00136	0.0000	-0.0008	0.0000	05:38:23	No
Mean:	0.00000	0.00149	0.0000				
SD :	0.000000	0.000192	0.0000				
%RSD:	12.9	12.9	12.8668				

QC value within specified limits.