1317 South 13th Avenue P.O. Box 479 Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

November 27, 2006 Service Request No: K0608915

Elsie King
URS Corporation
2700 Gambell Street
Suite 200
Anchorage, AK 99503

RE: Alaska Salt Chuck Mine

Dear Elsie:

Enclosed are the results of the sample(s) submitted to our laboratory on October 14, 2006. For your reference, these analyses have been assigned our service request number K0608915.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at LVo@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Loan Vo, Ph.D.
Project Chemist

LV/lmb

872510

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount beeause the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, hut the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	URS Corporation	**Service Request No.:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Received:**	10/14/2006
Sample Matrix:	Animal Tissue		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Seven animal tissue samples were received for analysis at Columbia Analytical Services on 10/14/2006. The samples were received in good condition and consistent with the accompanying chain of custody form. The samples were frozen at –20°C upon receipt at the laboratory.

Total Metals

Matrix Spike Recovery Exceptions:
The matrix spike recovery of Silver for sample SCTIBC33 was outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential low bias in this matrix. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

PCB Aroclors by EPA Method 8082

Elevated Detection Limits:
The reporting limit is elevated for most analytes in all samples. The chromatogram indicated the presence of non-target background components. The matrix interference prevented adequate resolution of the target compounds at the detection limit. The results are flagged to indicate the matrix interference.

No other anomalies associated with the analysis of these samples were observed.

Arsenic Speciation

Arsenic Speciation was performed at Brooks Rand, LLC. The narrative for this analysis can be found in the corresponding section of this data package.

Approved by LJ **Date** 12 05 06

Chain of Custody Documentation

SGS

CAS – Kelso, Washington

CHAIN OF CUSTODY RECORD

~~SGS Environmental Services Inc.~~

Locations Nationwide
- Alaska
- Hawaii
- Louisiana
- Maryland
- New Jersey
- North Carolina
- West Virginia

www.us.sgs.com

K0608915

050857

(1)

CLIENT: URS Corporation

CONTACT: Bill Koskutoff PHONE NO:(907) 562-3366

PROJECT: Salt Chuck SITE/PWSID#: EE/CA

REPORTS TO: 2700 Gambell – Suite 200 Anch AK 99503 FAX NO.:( )

INVOICE TO: URS-Seattle QUOTE #

P.O. NUMBER 142771 US

SGS Reference:

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(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	PCBs	Metals	Inorganic Arsenic							REMARKS
	Preservatives Used															
	Analysis Required (3)															
1	SCTI SS29	9/20/06	1100	Tissue	1	C	X	X	X							
2	SCTI BC32a 10/5/06	9/30/06	~~1115~~ 1732	"	1	C	X	X	X							
3	SCTI BC32b 10/5/06	9/30/06	~~1115~~ 1735	"	1	C		X								
4	SCTI BC33 10/5/06	9/30/06	~~1225~~ 1700	" 1700	1 X	C		X	X						X	rec'd 2 bag
5	SCTI BC34	10/4/06	1652	"	1	C	X	X								
6	SCTI SS35	10/4/06	1756		1	C		X								
7	SCTI BC36	10/6/06	1835	"	1	C	X	X	X							

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Elsie M King	10/12/2006	1200	
Relinquished By: (2)	Date 10/13/06	Time 1000	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier: FedEx

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature ∫C:_____ ï_____

Special Deliverable Requirements:

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions:

See Project Instructions

☐ 200 W. Potter Drive Anchorage, AK 99518 Tel: (907) 562-2343 Fax: (907) 561-5301
☐ 5500 Business Drive Wilmington, NC 28405 Tel: (910) 350-1903 Fax: (910) 350-1557
☐ 1258 Greenbrier Street Charleston, WV 25311 Tel: (304) 346-0725 Fax: (304) 346-0761

White - Retained by Lab
Yellow - Returned with Report
Pink - Retained by Sampler

Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC Loan

Project/Client URS Service Request K06 ~~0888~~ 2089/5

Cooler received on 10/13/06 and opened on 10/13/06 by

1. Were custody seals on outside of coolers? Y (N)
   If yes, how many and where? —
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: 7 9901881716 MPS 8093 9257 2711 Y (N)
5. COC#

Temperature of cooler(s) upon receipt: (°C)	3.9	0.1	0.6	3.6
Temperature Blank: (°C)	1.0	1.0	N/P	2.1

Were samples hand delivered on the same day as collection? ~~Y~~ N

6. Were custody papers properly filled out (ink, signed, etc.)? (Y) N
7. Type of packing material present Bubble, MESH, G-LC
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? Y (N)
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ~~Y~~ ~~N~~
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y~~ N
14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below? ~~Y~~ ~~N~~
15. Did the bottles originate from CAS/K or a branch laboratory? Y (N)
16. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** ~~Y~~ ~~N~~
17. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies: Rec'd 2 16oz SAMPLES NOT ON COC: (1) SCSD27 10/4/06 1745.
(2) SCIT12 10/4/06 1618

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

Metals

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	9/28-10/6/06
Sample Matrix:	Tissue	**Date Received:**	10/14/06

Solids, Total

Prep Method:	NONE	Units:	PERCENT
Analysis Method:	Freeze Dry	Basis:	Wet
Test Notes:			

Sample Name	Lab Code	Date Analyzed	Result	Result Notes
SCTISS29	K0608915-001	10/23/06	10.6	
SCTIBC32a	K0608915-002	10/23/06	20.6	
SCTIBC32b	K0608915-003	10/23/06	19.9	
SCTIBC33	K0608915-004	10/23/06	19.4	
SCTIBC34	K0608915-005	10/23/06	12.4	
SCTISS35	K0608915-006	10/23/06	10.6	
SCTIBC36	K0608915-007	10/23/06	16.3	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/5/06
Sample Matrix:	Tissue	**Date Received:**	10/14/06
		Date Extracted:	NA
		Date Analyzed:	10/23/06

Duplicate Summary
Total Metals

Sample Name:	SCTIBC33	Units:	PERCENT
Lab Code:	K0608915-004D	Basis:	Wet
Test Notes:			

Analyte	Prep Method	Analysis Method	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Solids, Total	NA	Freeze Dry	19.4	19.1	19.2	2	

COLUMBIA ANALYTICAL SERVICES, INC.

Service Request #:

Analysis For: Freeze Dried Solids

Extr/Prep Batch
KP0502260

Lab Code	Wet Weight (g)	Tare (g)	Tare + Dry Wt.(g)	Dry Weight (g)	% Total Solids
K0608915 -1	15.2257	15.0408	16.6587	1.6179	10.6
-2	13.6712	14.9105	17.7580	2.8475	20.6
-3	16.8450	14.9849	18.3287	3.3438	19.9
-4	14.6705	15.2009	18.0476	2.8467	19.4
-4d	13.4895	14.9093	17.4819	2.5726	19.1
-4r	15.6908	14.9982	17.9967	2.9985	19.1
-5	15.0194	15.2160	17.0789	1.8629	12.4
-6	14.8686	14.9030	16.4834	1.5804	10.6
-7	16.1684	15.0739	17.7030	2.6291	16.3

BS 10/23/06

Time In : Time Out:

Comments:

$\bar{x}$ = RPD =

Analyst: Brian Shell / Angela Black	Date: 10/23/06
Reviewed By:	Date: 10/24/06

METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCTISS29	K0608915-001
SCTIBC32a	K0608915-002
SCTIBC32b	K0608915-003
SCTIBC33	K0608915-004
SCTIBC33D	K0608915-004D
SCTIBC33S	K0608915-004S
SCTIBC34	K0608915-005
SCTISS35	K0608915-006
SCTIBC36	K0608915-007
Method Blank	K0608915-MB

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:

Signature: [signature]

Date: 11/22/06

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	09/28/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTISS29 Lab Code: K0608915-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.050	0.006	5	11/8/06	11/14/06	0.016	B	
Arsenic	6020	0.50	0.05	5	11/8/06	11/14/06	9.24		
Beryllium	6020	0.020	0.002	5	11/8/06	11/14/06	0.015	B	
Cadmium	6020	0.020	0.006	5	11/8/06	11/14/06	0.957		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	2.5		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	25.9		
Lead	6020	0.020	0.003	5	11/8/06	11/14/06	0.249		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.04		
Nickel	6020	0.20	0.03	5	11/8/06	11/14/06	2.62		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	1.5		
Silver	6020	0.020	0.003	5	11/8/06	11/14/06	0.195		N
Thallium	6020	0.020	0.003	5	11/8/06	11/14/06	0.012	B	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	3.2		
Zinc	6020	0.50	0.06	5	11/8/06	11/14/06	122		

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	10/05/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTIBC32a Lab Code: K0608915-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.050	0.006	5	11/8/06	11/14/06	0.007	B	
Arsenic	6020	0.50	0.05	5	11/8/06	11/14/06	13.9		
Beryllium	6020	0.020	0.002	5	11/8/06	11/14/06	0.006	B	
Cadmium	6020	0.020	0.006	5	11/8/06	11/14/06	0.530		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	2.0		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	8.25		
Lead	6020	0.020	0.003	5	11/8/06	11/14/06	0.058		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.02		
Nickel	6020	0.20	0.03	5	11/8/06	11/14/06	3.01		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	0.5	U	
Silver	6020	0.020	0.003	5	11/8/06	11/14/06	0.326		N
Thallium	6020	0.020	0.003	5	11/8/06	11/14/06	0.007	B	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	1.0		
Zinc	6020	0.50	0.06	5	11/8/06	11/14/06	67.6		

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	10/05/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTIBC32b Lab Code: K0608915-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.049	0.006	5	11/8/06	11/14/06	0.010	B	
Arsenic	6020	0.49	0.05	5	11/8/06	11/14/06	18.0		
Beryllium	6020	0.020	0.002	5	11/8/06	11/14/06	0.005	B	
Cadmium	6020	0.020	0.006	5	11/8/06	11/14/06	0.619		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	1.1		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	8.19		
Lead	6020	0.020	0.003	5	11/8/06	11/14/06	0.054		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.02		
Nickel	6020	0.20	0.03	5	11/8/06	11/14/06	2.28		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	0.7	B	
Silver	6020	0.020	0.003	5	11/8/06	11/14/06	1.260		N
Thallium	6020	0.020	0.003	5	11/8/06	11/14/06	0.007	B	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	0.3	U	
Zinc	6020	0.49	0.06	5	11/8/06	11/14/06	69.2		

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	10/05/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTIBC33 Lab Code: K0608915-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.049	0.006	5	11/8/06	11/14/06	0.012	B	
Arsenic	6020	0.49	0.05	5	11/8/06	11/14/06	14.6		
Beryllium	6020	0.019	0.002	5	11/8/06	11/14/06	0.009	B	
Cadmium	6020	0.019	0.006	5	11/8/06	11/14/06	0.546		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	4.3		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	8.54		
Lead	6020	0.019	0.003	5	11/8/06	11/14/06	0.175		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.02		
Nickel	6020	0.19	0.03	5	11/8/06	11/14/06	5.31		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	0.5	U	
Silver	6020	0.019	0.003	5	11/8/06	11/14/06	1.290		N
Thallium	6020	0.019	0.003	5	11/8/06	11/14/06	0.008	B	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	2.4		
Zinc	6020	0.49	0.06	5	11/8/06	11/14/06	70.7		

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	10/04/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTIBC34 Lab Code: K0608915-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.048	0.006	5	11/8/06	11/14/06	0.014	B	
Arsenic	6020	0.48	0.05	5	11/8/06	11/14/06	26.9		
Beryllium	6020	0.019	0.002	5	11/8/06	11/14/06	0.016	B	
Cadmium	6020	0.019	0.006	5	11/8/06	11/14/06	0.888		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	7.5		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	29.4		
Lead	6020	0.019	0.003	5	11/8/06	11/14/06	0.210		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.07		
Nickel	6020	0.19	0.03	5	11/8/06	11/14/06	6.43		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	0.9	B	
Silver	6020	0.019	0.003	5	11/8/06	11/14/06	0.142		N
Thallium	6020	0.019	0.003	5	11/8/06	11/14/06	0.009	B	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	5.2		
Zinc	6020	0.48	0.06	5	11/8/06	11/14/06	69.7		

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	10/04/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTISS35 Lab Code: K0608915-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.050	0.006	5	11/8/06	11/14/06	0.017	B	
Arsenic	6020	0.50	0.05	5	11/8/06	11/14/06	9.37		
Beryllium	6020	0.020	0.002	5	11/8/06	11/14/06	0.019	B	
Cadmium	6020	0.020	0.006	5	11/8/06	11/14/06	0.872		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	5.6		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	34.8		
Lead	6020	0.020	0.003	5	11/8/06	11/14/06	0.353		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.05		
Nickel	6020	0.20	0.03	5	11/8/06	11/14/06	4.60		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	1.4		
Silver	6020	0.020	0.003	5	11/8/06	11/14/06	0.083		N
Thallium	6020	0.020	0.003	5	11/8/06	11/14/06	0.027		
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	16.0		
Zinc	6020	0.50	0.06	5	11/8/06	11/14/06	99.9		

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608915
Project No.:	NA	Date Collected:	10/06/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/14/06
Matrix:	TISSUE	Units:	mg/kg
		Basis:	Dry

Sample Name: SCTIBC36 Lab Code: K0608915-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.050	0.006	5	11/8/06	11/14/06	0.010	B	
Arsenic	6020	0.50	0.05	5	11/8/06	11/14/06	19.8		
Beryllium	6020	0.020	0.002	5	11/8/06	11/14/06	0.006	B	
Cadmium	6020	0.020	0.006	5	11/8/06	11/14/06	0.535		
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	3.4		
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	17.5		
Lead	6020	0.020	0.003	5	11/8/06	11/14/06	0.150		
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.04		
Nickel	6020	0.20	0.03	5	11/8/06	11/14/06	4.87		
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	0.5	U	
Silver	6020	0.020	0.003	5	11/8/06	11/14/06	0.078		N
Thallium	6020	0.020	0.003	5	11/8/06	11/14/06	0.008	B	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	3.2		
Zinc	6020	0.50	0.06	5	11/8/06	11/14/06	75.1		

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation
Project No.: NA
Project Name: Alaska Salt Chuck Mine
Matrix: TISSUE

Service Request: K0608915
Date Collected: NA
Date Received: NA
Units: mg/kg
Basis: Dry

Sample Name: Method Blank
Lab Code: K0608915-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.050	0.006	5	11/8/06	11/14/06	0.006	U	
Arsenic	6020	0.50	0.05	5	11/8/06	11/14/06	0.05	U	
Beryllium	6020	0.020	0.002	5	11/8/06	11/14/06	0.002	U	
Cadmium	6020	0.020	0.006	5	11/8/06	11/14/06	0.006	U	
Chromium	6010B	1.0	0.4	1	11/8/06	11/14/06	0.4	U	
Copper	6020	0.10	0.02	5	11/8/06	11/14/06	0.07	B	
Lead	6020	0.020	0.003	5	11/8/06	11/14/06	0.010	B	
Mercury	7471A	0.02	0.01	1	11/1/06	11/01/06	0.01	U	
Nickel	6020	0.20	0.03	5	11/8/06	11/14/06	0.05	B	
Selenium	7740	1.0	0.5	10	11/8/06	11/21/06	0.5	U	
Silver	6020	0.020	0.003	5	11/8/06	11/14/06	0.007	B	N
Thallium	6020	0.020	0.003	5	11/8/06	11/14/06	0.003	U	
Vanadium	6010B	1.0	0.3	1	11/8/06	11/14/06	0.3	U	
Zinc	6020	0.50	0.06	5	11/8/06	11/14/06	0.48	B	

Comments:

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	25.0	26.1	104	25.0	24.3	97	24.0	96	6020
Arsenic	25.0	26.5	106	25.0	24.8	99	25.1	100	6020
Beryllium	2.5	2.43	97	25.0	23.9	96	23.9	96	6020
Cadmium	12.5	12.9	104	25.0	24.7	99	24.7	99	6020
Chromium	500	493	98	500	486	97	488	98	6010B
Copper	12.5	12.7	102	25.0	24.6	98	26.0	104	6020
Lead	25.0	25.7	103	25.0	25.0	100	25.3	101	6020
Mercury	5.0	5.09	102	5.0	4.91	98	4.99	100	7471A
Nickel	25.0	25.6	102	25.0	24.9	100	25.5	102	6020
Selenium	25.0	26.4	106	20.0	20.4	102	20.8	104	7740
Silver	12.5	12.9	103	25.0	24.7	99	24.3	97	6020
Thallium	25.0	25.6	102	25.0	25.0	100	25.2	101	6020
Vanadium	1250	1210	97	500	481	96	473	95	6010B
Zinc	25.0	24.5	98	25.0	24.9	100	26.1	104	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				25.0	24.9	100			6020
Arsenic				25.0	25.4	102			6020
Beryllium				25.0	23.7	95	25.6	102	6020
Cadmium				25.0	24.5	98			6020
Chromium				500	486	97	487	97	6010B
Copper				25.0	26.4	106			6020
Lead				25.0	25.5	102			6020
Mercury				5.0	5.06	101			7471A
Nickel				25.0	26.1	104			6020
Selenium				20.0	20.6	103	19.6	98	7740
Silver				25.0	24.8	99			6020
Thallium				25.0	25.4	102			6020
Vanadium				500	471	94	472	94	6010B
Zinc				25.0	26.9	108			6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Chromium				500	474	95			6010B
Selenium				20.0	20.9	105	21.1	106	7740
Vanadium				500	455	91			6010B

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	25.0	26.2	105	25.0	24.8	99	24.6	98	6020
Arsenic	25.0	26.8	107	25.0	25.3	101	25.8	103	6020
Cadmium	12.5	13.0	104	25.0	24.8	99	25.2	101	6020
Copper	12.5	12.7	102	25.0	24.8	99	25.5	102	6020
Lead	25.0	26.2	105	25.0	24.8	99	24.9	99	6020
Nickel	25.0	25.8	103	25.0	25.0	100	25.0	100	6020
Silver	12.5	12.9	103	25.0	25.0	100	24.9	100	6020
Thallium	25.0	26.5	106	25.0	25.0	100	25.0	100	6020
Zinc	25.0	24.6	98	25.0	25.1	101	25.8	103	6020

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				0.05	0.054	107		
Arsenic				0.50	0.48	95		
Beryllium				0.02	0.024	120		
Cadmium				0.02	0.022	112		
Chromium				5.0	3.02	60		
Copper				0.10	0.12	124		
Lead				0.02	0.021	104		
Mercury	0.20	0.16	80					
Nickel				0.20	0.25	124		
Selenium	5.0	4.7	93					
Silver				0.02	0.029	145		
Thallium				0.02	0.022	110		
Vanadium				10	9.93	99		
Zinc				0.50	0.53	106		

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				0.05	0.055	109		
Arsenic				0.50	0.48	96		
Cadmium				0.02	0.026	128		
Copper				0.10	0.12	114		
Lead				0.02	0.022	109		
Nickel				0.20	0.24	120		
Silver				0.02	0.028	138		
Thallium				0.02	0.022	108		
Zinc				0.50	0.52	104		

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Antimony	0.012	U	0.012	U	0.01	U	0.012	U						6020
Arsenic	0.10	U	0.10	U	0.10	U	0.10	U						6020
Beryllium	0.011	B	0.004	U	0.005	B	0.012	B						6020
Cadmium	0.012	U	0.012	U	0.01	U	0.012	U						6020
Chromium	4.0	U	4.0	U	4.0	U	4.0	U						6010B
Copper	0.04	U	0.04	U	0.04	U	0.04	U						6020
Lead	0.006	U	0.006	U	0.006	U	0.006	U						6020
Mercury	0.10	U	0.10	U	0.10	U	0.10	U						7471A
Nickel	0.06	U	0.06	U	0.06	U	0.06	U						6020
Selenium	0.5	U	0.5	U	0.8	B	-0.7	B						7740
Silver	0.010	B	0.006	B	0.007	B	0.007	B						6020
Thallium	0.006	U	0.006	U	0.006	U	0.006	U						6020
Vanadium	3.0	U	3.0	U	3.0	U	3.0	U						6010B
Zinc	0.12	U	0.12	U	0.12	U	0.12	U						6020

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Beryllium			0.016	B									6020
Chromium			4.0	U	4.0	U							6010B
Selenium			0.5	U	0.5	U	-0.5	B					7740
Vanadium			-5.5	B	-4.6	B							6010B

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Antimony	0.012	U	0.012	U	0.01	U								6020
Arsenic	0.10	U	0.10	U	0.10	U								6020
Cadmium	0.012	U	0.012	U	0.01	U								6020
Copper	0.04	U	0.04	U	0.04	U								6020
Lead	0.006	U	0.006	U	0.006	U								6020
Nickel	0.06	U	0.06	U	0.06	U								6020
Silver	0.006	B	0.006	U	0.006	U								6020
Thallium	0.006	U	0.006	U	0.006	U								6020
Zinc	0.12	U	0.12	U	0.12	U								6020

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP ID Number: Excell ICPMS

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Antimony			0.089	0.097				
Arsenic		20	0.01	21.6	108			
Beryllium			0.000	0.002				
Cadmium		20	0.942	21.9	110			
Copper		20	0.31	20.8	104			
Lead			0.125	0.137				
Nickel		20	0.59	21.6	108			
Silver		20	0.005	19.7	99			
Thallium			0.027	0.024				
Zinc		20	1.15	22.0	110			

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Chromium		500	-6.5	456	91			
Vanadium		500	0.6	482	96			

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0608915
Project No.:
Units: mg/kg
Project Name: Alaska Salt Chuck Mine
Basis: Dry
Matrix: TISSUE

Sample Name: SCTIBC33S
Lab Code: K0608915-004S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	70 - 130	43.0		0.012	B	49.1	88		6020
Arsenic	70 - 130	32.2		14.6		16.4	107		6020
Beryllium	70 - 130	4.760		0.009	B	4.910	97		6020
Cadmium	70 - 130	5.530		0.546		4.910	102		6020
Chromium	60 - 144	24.5		4.3		19.6	103		6010B
Copper	70 - 130	35.2		8.54		24.5	109		6020
Lead	70 - 130	50.1		0.175		49.1	102		6020
Mercury	60 - 128	0.34		0.02		0.49	65		7471A
Nickel	70 - 130	57.7		5.31		49.1	107		6020
Selenium	36 - 134	17.0		0.5	U	24.5	69		7740
Silver	70 - 130	3.210		1.290		4.910	39	N	6020
Thallium	70 - 130	16.7		0.008	B	16.4	102		6020
Vanadium	77 - 122	49.7		2.4		49.1	96		6010B
Zinc	70 - 130	125		70.7		49.1	111		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: URS Corporation

Service Request: K0608915

Project No.:

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Matrix: TISSUE

Sample Name: SCTIBC33A

Lab Code: K0608915-004A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	25.5		0.024	B	25.0	102		MS
Arsenic	75-125	54.3		30.0		25.0	97		MS
Beryllium	75-125	23.7		0.019	B	25.0	95		MS
Cadmium	75-125	26.4		1.13		25.0	101		MS
Copper	75-125	42.0		17.6		25.0	98		MS
Lead	75-125	25.0		0.361		25.0	99		MS
Nickel	75-125	35.2		10.9		25.0	97		MS
Silver	75-125	26.3		2.65		25.0	95		MS
Thallium	75-125	24.8		0.017	B	25.0	99		MS
Zinc	75-125	169		148		25.0	84		MS

Comments:

METALS

- 6 -

DUPLICATES

Client: URS Corporation

Service Request: K0608915

Project No.:

Units: mg/kg

Project Name: Alaska Salt Chuck Mine

Basis: Dry

Matrix: TISSUE

Sample Name: SCTIBC33D

Lab Code: K0608915-004D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		0.012	B	0.011	B	11		6020
Arsenic	30	14.6		14.3		2		6020
Beryllium		0.009	B	0.006	B	39		6020
Cadmium	30	0.546		0.532		3		6020
Chromium		4.3		6.5		40		6010B
Copper	30	8.54		8.32		3		6020
Lead	30	0.175		0.136		25		6020
Mercury		0.02		0.02	B	19		7471A
Nickel	30	5.31		6.14		14		6020
Selenium		0.5	U	0.5	U			7740
Silver	30	1.290		1.260		2		6020
Thallium		0.008	B	0.008	B	5		6020
Vanadium		2.4		2.3		6		6010B
Zinc	30	70.7		68.1		4		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	NA
LCS Matrix:	Tissue	**Date Received:**	NA
		Date Extracted:	11/8/06
		Date Analyzed:	11/14, 21/06

Laboratory Control Sample Summary
Total Metals

Sample Name:	Laboratory Control Sample	Units:	mg/Kg (ppm)
Lab Code:	K0608915-LCS	Basis:	Dry
Test Notes:			

Source: N.R.C.C. Dorm-2

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	18	19.9	111	13.5-22.9	
Chromium	PSEP Tissue	6010B	34.7	33.1	95	23.4-48.2	
Copper	PSEP Tissue	6020	2.34	2.37	101	1.74-3.00	
Lead	PSEP Tissue	6020	0.065	0.070	108	0.020-0.091	
Nickel	PSEP Tissue	6020	19.4	19.3	99	13.0-27.0	
Zinc	PSEP Tissue	6010B	25.6	26.0	102	20.3-31.0	

LCS/032295

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	NA
LCS Matrix:	Tissue	**Date Received:**	NA
		Date Extracted:	11/8/06
		Date Analyzed:	11/14, 21/06

Laboratory Control Sample Summary
Total Metals

Sample Name:	Laboratory Control Sample	Units:	mg/Kg (ppm)
Lab Code:	K0608915-LCS	Basis:	Dry
Test Notes:			

Source: N.R.C.C. Dolt-3

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	Control Limits	Result Notes
Arsenic	PSEP Tissue	6020	10.2	10.1	99	7.76-12.8	
Cadmium	PSEP Tissue	6020	19.4	20.2	104	15.0-24.0	
Copper	PSEP Tissue	6020	31.2	33.6	108	24.2-38.6	
Lead	PSEP Tissue	6020	0.319	0.294	92	0.219-0.437	
Mercury	PSEP Tissue	7471A	3.37	2.78	82	2.58-4.21	
Nickel	PSEP Tissue	6020	2.72	3.60	132	1.90-3.68	
Selenium	PSEP Tissue	7740	7.06	7.19	102	5.26-9.05	
Silver	PSEP Tissue	6020	1.2	1.25	104	0.90-1.52	
Zinc	PSEP Tissue	6020	86.6	95.8	111	67.4-107	

LCS/032295

METALS
- 9 -
ICP SERIAL DILUTIONS

Client: URS Corporation
Service Request: K0608915
Project No.:
Units: ug/L
Project Name: Alaska Salt Chuck Mine

Sample Name: SCTIBC33L
Lab Code: K0608915-004L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	0.024	B	0.060	U			6020
Arsenic	30.0		30.1		0		6020
Beryllium	0.019	B	0.020	U			6020
Cadmium	1.13		1.02		9		6020
Copper	17.6		18.7		6		6020
Lead	0.361		0.395		9		6020
Nickel	10.9		11.6		6		6020
Silver	2.65		2.79		5		6020
Thallium	0.017	B	0.030	U			6020
Zinc	146		148		1		6020

METALS

- 9 -

ICP SERIAL DILUTIONS

Client: URS Corporation

Service Request: K0608915

Project No.:

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Sample Name: SCTISS35L

Lab Code: K0608915-006L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Chromium	55.8		48.7	B	13		6010B
Vanadium	160		150		6		6010B

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #: CETAC-1

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Mercury	253.70	BD	0.20	0.10	7471A

Comments:

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: Excell ICPMS

GFAA ID #:

AA ID #:

Analyte	Mass	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Antimony	123		0.100	0.012	6020
Arsenic	75		1.00	0.10	6020
Beryllium	9		0.040	0.004	6020
Cadmium	111		0.040	0.012	6020
Copper	65		0.20	0.04	6020
Lead	208		0.040	0.006	6020
Nickel	60		0.40	0.06	6020
Silver	107		0.040	0.006	6020
Thallium	205		0.040	0.006	6020
Zinc	66		1.00	0.12	6020

Comments:

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: TJA Iris ICP

GFAA ID #:

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Chromium	267.72		10.0	4.0	6010B
Vanadium	310.20		10.0	3.0	6010B

Comments:

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #: Varian-6 (GFAA)

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Selenium	196.00	BZ	1.0	0.5	7740

Comments:

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	237.3	0.0000000	0.0000000	0.0014400	0.0000000	-0.0016900
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0132000
Arsenic	189.0	0.0000000	0.0000000	-0.0001370	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	-0.0011600	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000750	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000120	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000220	0.0000000	-0.0002340
Copper	324.7	0.0000000	0.0000000	-0.0000140	0.0000000	-0.0000840
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	-0.0004900	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000650	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0009800
Potassium	766.4	0.0000000	0.0000000	-0.0009730	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001200
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000280	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000920
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011900

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Mo	Ni	Ti	V	Co
Aluminum	237.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	-0.0227000	0.0000000	0.0003300	0.0000000	0.0000000
Arsenic	189.0	0.0006800	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	-0.0005700	0.0000000
Beryllium	313.0	0.0000000	0.0000000	-0.0000150	0.0017400	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000240	0.0000000	0.0000490	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	-0.0180000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	-0.0001350	0.0000000
Cobalt	228.6	-0.0001300	0.0000000	0.0014000	0.0000000	0.0000000
Copper	324.7	0.0003200	0.0000000	0.0000000	-0.0005100	0.0000000
Iron	259.9	-0.0004400	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.2140000	0.0950000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.3410000
Magnesium	285.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	-0.0003000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	-0.0003500	0.0000000	-0.0010000	-0.0001700	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0005600	-0.0001100	-0.0002300	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0017000	0.0008000	0.0063000
Tin	189.9	0.0000000	0.0000000	-0.0033000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000	0.0003400	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Mn	P	C
Aluminum	237.3	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000
Arsenic	189.0	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0003400	0.0000420	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000
Iron	259.9	-0.0003300	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP ID Number: Excell ICPMS

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	15.00	500.0	6020
Arsenic	15.00	500.0	6020
Beryllium	15.00	500.0	6020
Cadmium	15.00	500.0	6020
Copper	15.00	500.0	6020
Lead	15.00	500.0	6020
Nickel	15.00	500.0	6020
Silver	15.00	300.0	6020
Thallium	15.00	500.0	6020
Zinc	15.00	500.0	6020

Comments:

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Chromium	5.00	90000.0	6010B
Vanadium	5.00	90000.0	6010B

Comments:

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
K0608915-MB	11/8/06	PSEP TISSUE	0.3000	30
K0608915-002	11/8/06	PSEP TISSUE	0.3031	30
K0608915-003	11/8/06	PSEP TISSUE	0.3060	30
K0608915-004	11/8/06	PSEP TISSUE	0.3089	30
K0608915-004D	11/8/06	PSEP TISSUE	0.3083	30
K0608915-004S	11/8/06	PSEP TISSUE	0.3055	30
K0608915-005	11/8/06	PSEP TISSUE	0.3099	30
K0608915-007	11/8/06	PSEP TISSUE	0.3012	30
K0608915-001	11/8/06	PSEP TISSUE	0.3029	30
K0608915-006	11/8/06	PSEP TISSUE	0.3007	30

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Method: CV

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
K0608915-MB	11/1/06	PSEP TISSUE	0.5000	50
K0608915-002	11/1/06	PSEP TISSUE	0.5060	50
K0608915-003	11/1/06	PSEP TISSUE	0.5040	50
K0608915-004	11/1/06	PSEP TISSUE	0.5070	50
K0608915-004D	11/1/06	PSEP TISSUE	0.5070	50
K0608915-004S	11/1/06	PSEP TISSUE	0.5070	50
K0608915-005	11/1/06	PSEP TISSUE	0.5130	50
K0608915-007	11/1/06	PSEP TISSUE	0.5120	50
K0608915-001	11/1/06	PSEP TISSUE	0.5060	50
K0608915-006	11/1/06	PSEP TISSUE	0.5010	50

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Method: F

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
K0608915-MB	11/8/06	PSEP TISSUE	0.3000	30
K0608915-002	11/8/06	PSEP TISSUE	0.3031	30
K0608915-003	11/8/06	PSEP TISSUE	0.3060	30
K0608915-004	11/8/06	PSEP TISSUE	0.3089	30
K0608915-004D	11/8/06	PSEP TISSUE	0.3083	30
K0608915-004S	11/8/06	PSEP TISSUE	0.3055	30
K0608915-005	11/8/06	PSEP TISSUE	0.3099	30
K0608915-007	11/8/06	PSEP TISSUE	0.3012	30
K0608915-001	11/8/06	PSEP TISSUE	0.3029	30
K0608915-006	11/8/06	PSEP TISSUE	0.3007	30

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
K0608915-MB	11/8/06	PSEP TISSUE	0.3000	30
K0608915-002	11/8/06	PSEP TISSUE	0.3031	30
K0608915-003	11/8/06	PSEP TISSUE	0.3060	30
K0608915-004	11/8/06	PSEP TISSUE	0.3089	30
K0608915-004D	11/8/06	PSEP TISSUE	0.3083	30
K0608915-004S	11/8/06	PSEP TISSUE	0.3055	30
K0608915-005	11/8/06	PSEP TISSUE	0.3099	30
K0608915-007	11/8/06	PSEP TISSUE	0.3012	30
K0608915-001	11/8/06	PSEP TISSUE	0.3029	30
K0608915-006	11/8/06	PSEP TISSUE	0.3007	30

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 11/1/06

End Date: 11/1/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	13:05																X									
S0.2	1.00	13:07																X									
S0.5	1.00	13:09																X									
S1	1.00	13:11																X									
S5	1.00	13:13																X									
S10	1.00	13:15																X									
ICV	1.00	13:17																X									
ICB	1.00	13:19																X									
CCV1	1.00	13:21																X									
CCB1	1.00	13:23																X									
CRI	1.00	13:25																X									
K0608915-MB	1.00	13:27																X									
ZZZZZZ	2.00	13:29																									
K0608915-001	1.00	13:31																X									
K0608915-002	1.00	13:33																X									
K0608915-003	1.00	13:35																X									
K0608915-004	1.00	13:37																X									
K0608915-004D	1.00	13:39																X									
K0608915-004S	2.00	13:41																X									
K0608915-005	1.00	13:43																X									
CCV2	1.00	13:45																X									
CCB2	1.00	13:47																X									
K0608915-006	1.00	13:49																X									
K0608915-007	1.00	13:51																X									
ZZZZZZ	1.00	13:53																									
ZZZZZZ	1.00	13:55																									
ZZZZZZ	2.00	13:57																									
ZZZZZZ	1.00	13:59																									
ZZZZZZ	1.00	14:01																									
ZZZZZZ	1.00	14:03																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 11/1/06

End Date: 11/1/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	14:05																									
ZZZZZZ	1.00	14:07																									
CCV3	1.00	14:09																X									
CCB3	1.00	14:11																X									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 11/14/06

End Date: 11/14/06

Sample ID.	D/F	Time	% R	Analytes																						
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-BLANK	1.00	11:00									X														X		
CAL-STDA	1.00	11:04									X														X		
CAL-STDB	1.00	11:07																									
ICV	1.00	11:15									X														X		
ICV	1.00	11:19																									
ICV	1.00	11:28																									
ICB	1.00	11:34									X														X		
CCV1	1.00	11:52									X														X		
CCV1	1.00	11:56																									
CCB1	1.00	12:03									X														X		
CRI	1.00	12:07									X														X		
ICSA	1.00	12:12									X														X		
ICSAB	1.00	12:16									X														X		
ZZZZZZ	1.00	12:22																									
ZZZZZZ	1.00	12:26																									
ZZZZZZ	1.00	12:32																									
ZZZZZZ	1.00	12:35																									
ZZZZZZ	1.00	12:39																									
ZZZZZZ	1.00	12:43																									
ZZZZZZ	1.00	12:45																									
CCV2	1.00	12:50									X														X		
CCV2	1.00	13:06																									
CCB2	1.00	13:10									X														X		
ZZZZZZ	1.00	13:13																									
ZZZZZZ	1.00	13:16																									
ZZZZZZ	1.00	13:19																									
ZZZZZZ	1.00	13:24																									
ZZZZZZ	1.00	13:26																									
ZZZZZZ	1.00	13:30																									
ZZZZZZ	1.00	13:32																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 11/14/06

End Date: 11/14/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	13:37																									
ZZZZZZ	5.00	13:45																									
K0608915-MB	1.00	13:55									X														X		
CCV3	1.00	14:01									X														X		
CCV3	1.00	14:04																									
CCB3	1.00	14:07									X														X		
ZZZZZZ	1.00	14:13																									
ZZZZZZ	1.00	14:16																									
K0608915-001	1.00	14:21									X														X		
K0608915-002	1.00	14:23									X														X		
K0608915-003	1.00	14:26									X														X		
K0608915-004	1.00	14:31									X														X		
K0608915-004D	1.00	14:34									X														X		
K0608915-004S	1.00	14:36									X														X		
K0608915-005	1.00	14:42									X														X		
K0608915-006	1.00	14:44									X														X		
CCV4	1.00	14:47									X														X		
CCV4	1.00	14:50																									
CCB4	1.00	14:55									X														X		
K0608915-007	1.00	14:58									X														X		
K0608915-006L	5.00	15:06									X														X		
CCV5	1.00	15:11									X														X		
CCV5	1.00	15:18																									
CCB5	1.00	15:22									X														X		

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Excell ICPMS

Method: MS

Start Date: 11/14/06

End Date: 11/14/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CALIBRATION BLANK	1.00	10:43			X	X		X	X				X		X				X			X		X		X	
25 PPB STD.	1.00	10:47			X	X		X	X				X		X				X			X		X		X	
ICV	1.00	10:50			X	X			X				X		X				X			X		X		X	
CCV1	1.00	10:54			X	X			X				X		X				X			X		X		X	
ICB1	1.00	11:00			X	X			X				X		X				X			X		X		X	
CCB1	1.00	11:03			X	X			X				X		X				X			X		X		X	
CRA	1.00	11:07			X	X			X				X		X				X			X		X		X	
ICSA	1.00	11:10			X	X			X				X		X				X			X		X		X	
ICSAB	1.00	11:13			X	X			X				X		X				X			X		X		X	
K0608915-MB	5.00	11:21			X	X			X				X		X				X			X		X		X	
ZZZZZZ	5.00	11:25																									
ZZZZZZ	5.00	11:29																									
CCV2	1.00	11:32			X	X			X				X		X				X			X		X		X	
CCB2	1.00	11:39			X	X			X				X		X				X			X		X		X	
K0608915-004	5.00	11:48			X	X			X				X		X				X			X		X		X	
K0608915-004D	5.00	11:51			X	X			X				X		X				X			X		X		X	
K0608915-004L	25.00	11:54			X	X			X				X		X				X			X		X		X	
K0608915-004A	5.00	11:57			X	X			X				X		X				X			X		X			
K0608915-004S	25.00	12:01			X	X			X				X		X				X			X		X		X	
ZK0608915-004	5.00	12:06																									
K0608915-004A	5.00	12:13																								X	
ZK0608915-004S	25.00	12:16																									
CCV3	1.00	12:19			X	X			X				X		X				X			X		X		X	
CCB3	1.00	12:26			X	X			X				X		X				X			X		X		X	

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Excell ICPMS

Method: MS

Start Date: 11/14/06

End Date: 11/14/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CALIBRATION BLANK	1.00	13:39			X	X			X				X		X				X			X		X		X	
25 PPB STD.	1.00	13:43			X	X			X				X		X				X			X		X		X	
ICV2	1.00	13:47			X	X			X				X		X				X			X		X		X	
CCV1	1.00	13:50			X	X			X				X		X				X			X		X		X	
ICB2	1.00	13:56			X	X			X				X		X				X			X		X		X	
CCB1	1.00	13:59			X	X			X				X		X				X			X		X		X	
CRA	1.00	14:02			X	X			X				X		X				X			X		X		X	
K0608915-001	5.00	14:06			X	X			X				X		X				X			X		X		X	
K0608915-002	5.00	14:09			X	X			X				X		X				X			X		X		X	
K0608915-003	5.00	14:12			X	X			X				X		X				X			X		X		X	
K0608915-005	5.00	14:14			X	X			X				X		X				X			X		X		X	
K0608915-006	5.00	14:17			X	X			X				X		X				X			X		X		X	
K0608915-007	5.00	14:20			X	X			X				X		X				X			X		X		X	
CCV2	1.00	14:25			X	X			X				X		X				X			X		X		X	
CCB2	1.00	14:31			X	X			X				X		X				X			X		X		X	

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Form XIV - IN

Columbia Analytical Services

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Excell ICPMS

Method: MS

Start Date: 11/14/06

End Date: 11/14/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CALIBRATION BLANK	1.00	14:37						X																			
25 PPB STD.	1.00	14:38						X																			
ICV	1.00	14:40						X																			
ZZZZZZ	1.00	14:41																									
CCV1	1.00	14:42						X																			
ICB	1.00	14:44						X																			
CCB1	1.00	14:45						X																			
CRA	1.00	14:46						X																			
ICSA	1.00	14:47						X																			
ICSAB	1.00	14:49						X																			
K0608915-MB	5.00	14:51						X																			
ZZZZZZ	5.00	14:52																									
ZZZZZZ	5.00	14:53																									
CCV2	1.00	14:54						X																			
CCB2	1.00	14:56						X																			
K0608915-004	5.00	14:57						X																			
K0608915-004D	5.00	14:59						X																			
K0608915-004L	25.00	15:00						X																			
K0608915-004A	5.00	15:01						X																			
K0608915-004S	25.00	15:03						X																			
ZCCV3	1.00	15:04																									
CCV3	1.00	15:06						X																			
CCB3	1.00	15:08						X																			
K0608915-001	5.00	15:09						X																			
K0608915-002	5.00	15:11						X																			
K0608915-003	5.00	15:13						X																			
K0608915-005	5.00	15:14						X																			
K0608915-006	5.00	15:15						X																			
K0608915-007	5.00	15:17						X																			
ZCCV4	1.00	15:18																									

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Excell ICPMS

Method: MS

Start Date: 11/14/06

End Date: 11/14/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZCCV4	1.00	15:21																									
CCV4	1.00	15:22						X																			
CCB4	1.00	15:25						X																			

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Varian-6 (GFAA)

Method: F

Start Date: 11/21/06

End Date: 11/21/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL ZERO	1.00	09:12																			X						
STANDARD 1	1.00	09:17																			X						
STANDARD 2	1.00	09:21																			X						
STANDARD 3	1.00	09:25																			X						
STANDARD 4	1.00	09:30																			X						
STANDARD 5	1.00	09:34																			X						
ICV	1.00	09:38																			X						
ICB	1.00	09:43																			X						
CRDL	1.00	09:47																			X						
CCV1	1.00	09:51																			X						
CCB1	1.00	09:55																			X						
ZZZZZZ	1.00	10:00																									
ZZZZZZ	1.00	10:07																									
ZZZZZZ	1.00	10:11																									
ZZZZZZ	1.00	10:15																									
ZZZZZZ	1.00	10:20																									
ZZZZZZ	1.00	10:24																									
ZZZZZZ	1.00	10:28																									
ZZZZZZ	1.00	10:33																									
ZZZZZZ	1.00	10:37																									
CCV2	1.00	10:41																			X						
CCB2	1.00	10:45																			X						
ZZZZZZ	1.00	10:50																									
ZZZZZZ	1.00	10:54																									
ZZZZZZ	1.00	10:58																									
ZZZZZZ	1.00	11:03																									
ZZZZZZ	1.00	11:07																									
ZZZZZZ	1.00	11:11																									
ZZZZZZ	1.00	11:16																									
ZZZZZZ	1.00	11:20																									

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Varian-6 (GFAA)

Method: F

Start Date: 11/21/06

End Date: 11/21/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	11:25																									
ZZZZZZ	1.00	11:29																									
CCV3	1.00	11:33																			X						
CCB3	1.00	11:37																			X						
ZZZZZZ	1.00	11:42																									
ZZZZZZ	1.00	11:46																									
ZZZZZZ	1.00	11:50																									
ZZZZZZ	1.00	11:55																									
ZZZZZZ	1.00	11:59																									
ZZZZZZ	1.00	12:03																									
ZZZZZZ	1.00	12:08																									
ZZZZZZ	1.00	12:12																									
ZZZZZZ	1.00	12:16																									
ZZZZZZ	1.00	12:21																									
CCV4	1.00	12:25																			X						
CCB4	1.00	12:29																			X						
ZZZZZZ	1.00	12:34																									
ZZZZZZ	1.00	12:38																									
K0608915-MB	10.00	12:42																			X						
ZDORM	5.00	12:47																									
ZDOLT	10.00	12:51																									
K0608915-001	10.00	12:55																			X						
K0608915-001A	10.00	13:00	105.3																		X						
K0608915-002	10.00	13:04																			X						
K0608915-003	10.00	13:08																			X						
K0608915-004	10.00	13:13																			X						
CCV5	1.00	13:17																			X						
CCB5	1.00	13:21																			X						
K0608915-004D	10.00	13:25																			X						
K0608915-004S	20.00	13:34																			X						

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METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608915

Project No.:

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Varian-6 (GFAA)

Method: F

Start Date: 11/21/06

End Date: 11/21/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608915-005	10.00	13:39																			X						
K0608915-006	10.00	13:43																			X						
K0608915-007	10.00	13:47																			X						
ZZZZZZ	1.00	13:51																									
CCV6	1.00	13:56																			X						
CCB6	1.00	14:00																			X						

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Columbia Analytical Services, Inc.

Sample Number(s): As listed	Service Request Number(s): ~~BS~~ BS 10/23/06 K0608915
Analysis for: PCB / 8082	

ALIQUOT DATA

Laboratory ID		Sample Wt. (g)		Tare (g)		Tissue Matrix	
K0608915-1		10.44		112.84		Clams	
-2		36.15		112.10			
-3							
-4					BS 10/23/06		
-5		33.85		112.56			
-6					BS 10/23/06		
-7		12.84		114.37			
						BS 10/23/06	

Comments:

Analyst: Brian Shelton	Date: 10/23/06
Reviewed: [signature]	Date: 10/24/06

R:\ICP\misc\digforms\ALIQUOT_BENCHSHT

Columbia Analytical Services, Inc.

Sample Number(s): As listed	Service Request Number(s): K0608915
Analysis for: SUB	

ALIQUOT DATA

Laboratory ID		Sample Wt. (g)		Tare (g)		Tissue Matrix	
K0608915-1		12.03		113.00			
-2		33.54		112.49			
-3					BS 10/23/06		
-4		22.83		112.30			
-5							
-6				BS 10/23/06			
-7		13.58		112.11			

BS 10/23/06

Comments:

Analyst: Brian Sleth	Date: 10/23/06
Reviewed:	Date: 10/24/06

R:\ICP\misc\digforms\ALIQUOT_BENCHSHT

Columbia Analytical Services, Inc.

Sample Number(s): As Listed	Service Request Number(s): K8915

TISSUE COMPOSITION DATA

Laboratory ID	Weight (g)	Tare (g)			Matrix	Length	# of clams
K8915-01	182.30	276.99			Clams		16
-02	421.83	553.50					20
-03	459.62	553.73					14
-04	595.92	556.66					16
-05	193.09	277.99					21
-06	228.57	278.49					21
-07	89.45	276.63					6

TSS 10/23/06

Comments:

Analyst: Brian Shelton	Date: 10/23/06
Reviewed:	Date: 11/24/06

R:\ICP\misc\digforms\TISSUEBENCHSHT

Columbia Analytical Services
Metals Tissue Digestion Sheet

Service Request Number(s) : K8915 40475 40473 40474

Method : Tissue

Analysis for : ICP ICP-MS GFAA
other:

Sample	Initial Weight (g)	freeze Dry	Wet	Final Volume (ml)	Matrix
PB			X	30mls	15% HNO3
Dolt	0.3034				
Dorm	0.3035				
K8915-01	0.3029	X			
-02	0.3031				
-03	0.3060				
-04	0.3089				
-04D	0.3083				
-04S+	0.3055				
-05	0.3099				
-06	0.3007				
-07	0.3012				

AB 11/8/06

Time Digestion Started: 4:50 p.m. **Oven Temp:** 106°C **Time Digestion Ended:** _____
Lot # Acids Used: HNO3 MS9-51-C **Oven Temp:** _____

LCS: **Dorm-2, Dolt-3**

QCP CICV-1, MET1-51-S, _____ mls. added
QCP CICV-2, MET1-40-C, _____ mls. added
QCP CICV-3, MET1-51-U, _____ mls. Added
SS6, MET1-52-Y, _____ mls. Added

SPIKE INFO
SS1-MET1-50-H, 0.3 **mls added**
SS5-MET1-49-E, 0.05 **mls added**
SS6-MET1-52-Y 0.05 **mls added**
Additional spikes: _____
Comments: _____

Analyst Angela Black **Date** 11/8/06
Reviewer _____ **Date** 11/11/06

TissueDig.xls
11/2/2006

METALS SPIKE FORM

Service Request # K8915
Q.C. Sample # 8915-4

Circle type of digest: GFAA ICP FAA ~~ICP-MS~~ Other: _____ Initials / Date: AB, 11/8/06
Circle type of sample: Soil Water Misc. Sludge Oil Other: TISSUE

Solution Name	Element	mls of 1000ppm Solution	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-52-U	HNO3	50.0	1000ml	JT Baker	C28025	-	-	0.3	Expires:7/1/07
	Al	100	1000ml		Z-MEB213068	9/1/2007	200		
	Ag	100	1000ml		Z-MEB213068	9/1/2007	5		
	Ba	100	1000ml		Z-MEB213068	9/1/2007	200		
	Be	100	1000ml		Z-MEB213068	9/1/2007	5		
	Cd	100	1000ml		Z-MEB213068	9/1/2007	5		
	Co	100	1000ml		Z-MEB213068	9/1/2007	50		
	Cr	100	1000ml		Z-MEB213068	9/1/2007	20		
	Cu	100	1000ml		Z-MEB213068	9/1/2007	25		
	Fe	100	1000ml		Z-MEB213068	9/1/2007	100		
	Pb	100	1000ml		Z-MEB213068	9/1/2007	50		
	Mn	100	1000ml		Z-MEB213068	9/1/2007	50		
	Ni	100	1000ml		Z-MEB213068	9/1/2007	50		
	Sb	50*	1000ml		MET1-50-J	7/1/2007	50		
	V	100	1000ml		Z-MEB213068	9/1/2007	50		
	Zn	100	1000ml		Z-MEB213068	9/1/2007	50		
SS4-MET1-52-T	HNO3	25.0	500ml	JT BAKER	A48046	-	-		Expires:7/11/07
	As	2.0	500ml	MET1-47-I	529701	7/11/2007	4		
	Cd	2.0	500ml	MET1-49-L	605906	12/15/2007	4		
	Pb	2.0	500ml	MET1-50-C	611804	12/15/2007	4		
	Se	2.0	500ml	MET1-49-M	616579	12/15/2007	4		
	Tl	2.0	500ml	MET1-49-O	616317	12/15/2007	4		
	Cu	2.0	500ml	MET1-50-E	611815	12/15/2007	4		
SS5-MET1-52-X	HNO3	25.0	500ml	JT BAKER	B41068	-	-	0.05	Expires:7/1107
	As	50.0	500ml	MET1-47-I	529701	7/11/2007	100		
	Se	50.0	500ml	MET1-49-M	616519	10/31/2006	100		
	Tl	50.0	500ml	MET1-49-O	616317	12/15/2007	100		
SS6-MET1-52-Y	HNO3	25	500ml	JT BAKER	C28025	-	-	0.05	Expires: 2/1/07
	B	50	500ml	MET1-51-C	Z-QB02041	7/1/2007	100		
	Mo	50	500ml	MET1-46-O	Y-M002010	2/1/2007	100		

GFLCSW (MET1-52-W)	HNO3	10.0	1000ml	JT BAKER	C28025	-	-		Expires: 8/1/2007
	As, Pb, Se, Tl	5.0	1000ml	QCP-CICV-3	Y-MEB194030	8/1/2007	2.5		
	Cd	-	-	QCP-CICV-3	Y-MEB194030	8/1/2007	1.25		
	Cu	2.5	1000ml	MET1-50-E	611815	12/15/2007	2.5		
CLP-CV-1 (MET1-52-A)	Ca, Mg, Na, K	no dilution	-	HP	620009	8/9/2007	2500		Expires:8/09/07
	Al, Ba	no dilution	-	HP	620009	8/9/2007	1000		
	Fe	no dilution	-	HP	620009	8/9/2007	500		
	Co, Mn, Ni, V, Zn	no dilution	-	HP	620009	8/9/2007	250		
	Cu, Ag	no dilution	-	HP	620009	8/9/2007	125		
	Cr	no dilution	-	HP	620009	8/9/2007	100		
	Be	no dilution	-	HP	620009	8/9/2007	25		
QCP-CICV-2 (MET1-51-T)	Sb	no dilution	-	IV	Y- MEB194029	8/1/2007	500		Expires: 08/1/07
QCP-CICV-3 (MET1-51-U)	As, Pb, Se, Tl	no dilution	-	IV	Y- MEB194030	8/1/2007	500		Expires: 08/01/07
	Cd	no dilution	-	IV	Y- MEB194030	8/1/2007	250		

* Denotes volume of 1000 ppm stock standard.

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

Atomic Absorption Data Review Form

Element: Hg

Analysis Lot #: 69727

Cal. STD/CCV Source: HG1-535

Service Request Numbers:

K8715, K8639 Tissues

	Yes	No	NA
1) Appropriate standardization completed	✓		
2) ICV within 10% of true value	✓		
3) CCVs in control	✓		
4) CCBs and or ICBs below MRL	✓		
5) All reported samples within calibration range	✓		
6) Calculations correct	✓		

Comments:

Primary Reviewed By: JPatterson Date: 11-1-06

Secondary Reviewed By: EMA Date: 11/3/06

COLUMBIA ANALYTICAL SERVICES, INC.
ANALYTICAL WORKSHEET

PRINTOUT WITH:_____

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)	
1	ICV	—	—	—	5.09		102%	
2	ICB	—	—	—	-0.03		<0.2	
3	CCV1	—	—	—	4.91		98%	
4	CCB1	—	—	—	-0.01		<0.2	
5	CRA	—	—	—	0.16		0.16	80%
6	PB (40039)	—	50ml	—	-0.01		<0.2	
7	Dolt ↓	0.250	↓	1/2	6.94	2.78		82%
8	K0608915-001	0.506		—	0.44	0.04		
9	-002	0.506		—	0.22	0.02		
10	-003	0.504		—	0.22	0.02		
11	-004	0.507		—	0.23	0.02		
12	-004d	0.507		—	0.19	<0.2		
13	-004S	0.507		1/2	1.73	0.34		65%
14	-005	0.513		—	0.72	0.07		
15	CCV2	—	—	—	4.99		100%	
16	CCB2	—	—	—	-0.01		<0.2	
17	K0608915-006	0.501	50ml	—	0.48	0.05		
18	-007	0.512		—	0.42	0.04		
19	K0608639-001	0.506		—	4.36	0.43		$\bar{x}$ = 0.44
20	-001d	0.509		—	4.55	0.45		RPD = 5%
21	-001S	0.508		1/2	3.79	0.75		65%
22	-002	0.505		—	6.96	0.69		
23	-003	0.511		—	3.50	0.34		
24	-004	0.507	↓	—	5.41	0.53		
25	-005	0.140	25ml	—	0.83	0.15		

Comments: Reporting Levels:

Waters - 0.2 µg/L — TIME STARTED:

Soil - 0.02 mg/kg

TCLP - 1 µg/L

Water Spike Level : 1.0 µg/L

Soil Spike Level : 5.0 µg/L = 0.49 mg/kg

TCLP Spike Level : 5.0 µg/L

Analyst:	Date:	Page Number:
SPatterson	11-1-06	1 of 2

[HGFORM] HG1.XLS

COLUMBIA ANALYTICAL SERVICES, INC. PRINTOUT WITH:_____
ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)
26	K0608639-006	0.500	50 ml	—	2.53	0.25	
27	CCB	—	—	—	5.06		101%
28	CCB3	—	—	—	-0.01		<0.2
29							
30							
31							
32							
33							
34							
35							
36							
37							
38							
39							
40							
41							
42							
43							
44							
45							
46							
47							
48							
49							
50							

Comments: Reporting Levels:
Waters - 0.2 µg/L
Soil - 0.02 mg/kg
TCLP - 1 µg/L

Water Spike Level : 1.0 µg/L
Soil Spike Level : 5.0 µg/L = mg/kg
TCLP Spike Level : 5.0 µg/L

Analyst:	Date:	Page Number:
	11-1-06	1 of 2

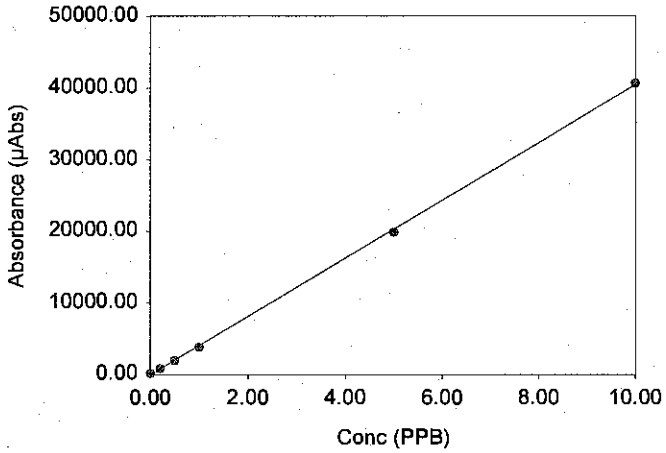
[HGFORM] HG2.XLS

CETAC Hg Analysis Report - 06110101.DB - Wednesday, November 01, 2006, 2:16:07 PM

Analyst S. Patterson
Date Started Wednesday, November 01, 2006, 13:05:53
Worksheet Hg 11/01/06 Run 2
Comment 69727

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	01-Nov-2006, 13:05	0.00	9.19	191.00	176	178	196	213	
Standard #1	01-Nov-2006, 13:07	0.20	1.79	858.00	848	866	875	842	
Standard #2	01-Nov-2006, 13:09	0.50	0.88	2000.00	1990	1984	2023	2007	
Standard #3	01-Nov-2006, 13:11	1.00	0.69	3840.00	3823	3818	3869	3862	
Standard #4	01-Nov-2006, 13:12	5.00	1.29	19800.00	19786	19472	20030	19995	
Standard #5	01-Nov-2006, 13:14	10.00	2.97	40700.00	39346	39989	41683	41743	

Calibration Data



Int.	0.000
Slope	4046.438
Correlation	0.99989

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICV	01-Nov-2006, 13:16	5.09	0.41	20600.00	20502	20542	20618	20691	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICB	01-Nov-2006, 13:18	-0.03	16.10	-138.00	-123	-163	-151	-116	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV1	01-Nov-2006, 13:20	4.91	0.43	19900.00	19886	19801	19768	19956	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB1	01-Nov-2006, 13:21	-0.01	24.00	-52.00	-69	-47	-51	-40	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CRA	01-Nov-2006, 13:23	0.16	5.49	634.00	588	630	670	650	
PB (40039)	01-Nov-2006, 13:25	-0.01	10.70	-26.20	-25	-25	-30	-24	
DOLT 1/2 (40039)	01-Nov-2006, 13:27	6.94	2.91	28100.00	27605	27349	28191	29192	
K0608915-001	01-Nov-2006, 13:28	0.44	8.62	1760.00	1567	1721	1874	1894	
K0608915-002	01-Nov-2006, 13:30	0.22	4.11	891.00	842	883	921	917	
K0608915-003	01-Nov-2006, 13:32	0.22	6.96	880.00	899	809	859	954	
K0608915-004	01-Nov-2006, 13:34	0.23	3.43	923.00	891	962	935	904	
K0608915-004D	01-Nov-2006, 13:36	0.19	4.07	784.00	819	797	745	775	
K0608915-004S 1/2	01-Nov-2006, 13:37	1.73	1.78	7000.00	6856	7090	7116	6934	
K0608915-005	01-Nov-2006, 13:39	0.72	6.82	2910.00	2611	2999	3018	3005	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV2	01-Nov-2006, 13:41	4.99	0.08	20200.00	20169	20186	20201	20202	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB2	01-Nov-2006, 13:43	-0.01	15.70	-38.00	-42	-33	-32	-44	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608915-006	01-Nov-2006, 13:44	0.48	1.71	1930.00	1897	1915	1924	1974	
K0608915-007	01-Nov-2006, 13:46	0.42	5.80	1710.00	1567	1710	1754	1793	
K0608639-001	01-Nov-2006, 13:48	4.36	3.06	17600.00	17503	16998	17800	18285	
K0608639-001D	01-Nov-2006, 13:50	4.55	4.79	18400.00	17372	17989	19061	19217	
K0608639-001S 1/2	01-Nov-2006, 13:51	3.79	4.88	15300.00	16356	15438	14885	14683	
K0608639-002	01-Nov-2006, 13:53	6.96	2.00	28200.00	28981	28152	27708	27889	
K0608639-003	01-Nov-2006, 13:55	3.50	3.79	14200.00	13389	14329	14573	14430	
K0608639-004	01-Nov-2006, 13:57	5.41	5.76	21900.00	20041	22269	22808	22495	

CETAC Hg Analysis Report - 06110101.DB - Wednesday, November 01, 2006, 2:16:07 PM

Analyst S. Patterson
Date Started Wednesday, November 01, 2006, 13:59:10
Worksheet Hg 11/01/06 Run 2
Comment 69727

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608639-005	01-Nov-2006, 13:59	0.83	6.35	3360.00	3638	3430	3180	3210	
K0608639-006	01-Nov-2006, 14:00	2.53	1.18	10200.00	10209	10076	10313	10343	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV3	01-Nov-2006, 14:02	5.06	0.76	20500.00	20615	20571	20302	20351	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB3	01-Nov-2006, 14:04	-0.01	25.80	-51.70	-56	-42	-40	-68	

Columbia Analytical Services

EPA METHOD 7471A

Prep Run: 40039

Service Request Number(s) : K8915, K8639

Sample	Wet Weight (g)	% Solids	Dry Weight (g)	Final Volume (mL)
PB	1.056	—	—	50ml
DOLT	0.259	965	0.250	
K0608915-001	0.506			
-004d	0.507			
-004S	0.507			
-002	0.506			
-003	0.504			
-004	0.507			
-005	0.513			
-006	0.501			
-007	0.512			
K0608639-001	0.506			
-001d	0.509			
-001S	0.508			
-002	0.505			
-003	0.511			
-004	0.507			
-005	0.140			25ml (*)
-006	0.500			50ml
Std. 0.2	0.2 * mL			100
Std. 0.5	0.5 * mL			100
Std. 1.0	1.0 * mL			100
Std. 5.0	5.0 * mL			100
Std. 10.0	10.0 * mL			100
ICV	0.5 ** mL			100

Used freeze-dried sample

SP 11/1/06

SP 11-1-06

Lot # of Reagents Used:

HNO3: C28025 **K2S2O8: T44H13** **NaCl : B06585**

H2SO4: 46023 **KMnO4: B40610** **NH2OH-HCL: B45634**

HCL: 46109 **SnCl2: C05608**

LCSS = **ERA CLP Soil Lot # D045540** **Other:** Waterbath / Hotplate @95°C

LCSW= **ICV Intermediate stock solution.**

*** Source Standard:** HG1-53-S **100 ppb**

**** Source Standard: ICV** HG1-53-E **1000 ppb** **TIME STARTED:**

Comments: 0.25 ml 1000ppb soil std to spikes (HG1-53-F)

(*) limited sample volume

Analyst: [signature] **Date:** 11-1-06

[HGFORM] 7471

Element Analyzed Se Instrument K-GFAA-06

Service Request # K9157, K9607, K9449, K9599, K9646, ~~K8921~~ [redacted]

Batch QC SR's #

Calibration Std. GFI-69-J

Starlims # 71758

Modifier # Pd/mgcl: GFI-61-u

Analysis Lot #

Analytical Batch
KA0626499

GFAA Data Review Form

	Yes	No	NA
1 ICV within 10% of true Value	✓		
2. Calibration data included	✓		
3. CCV's in control	✓		
4. CCB's and/or ICB's below MRL	✓		
5. All reported Results within Cal. Range	✓		
6. All Calculations are Correct	✓		

Comments

Primary Reviewed by RN Date 11-21-06

Secondary Reviewed by [illegible] Date 11/21/06

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used)	**Service Request # :**
7060A 7421 7740 7841	K9157, K9607, K9449, K9599
200.9 Other:_____	
Element: As Pb Se Tl	

SAMPLE NUMBER	Measured (ug/l)	Dilution factor	Recoveries (ICV, CCV, CRA, LCS Post-Spk., Matrix Spk.)	Comments
~ICV	26.3669		106%	
~ICB	0.421			
~CRDL	4.664		93%	
~CCV	20.3931		102%	
~CCB	-0.4448			
PBS K9157 etc.	-0.6393	-		
LCS bkspk	56.7384	-	113%	
K9157-01	-0.2871	1/5		
K9157-01A	20.6077	1/5	103%	
K9157-01D	-0.3672	1/5		
K9157-01S	16.2672	1/5	102%	
K9157-02	-0.5865	1/5		
K9157-03	-0.9158	1/5		
K9157-04	-0.7578	1/5		
~CCV	20.8025		104%	
~CCB	0.8276			
K9157-05	-0.6695	1/5		
K9607-01	-1.0712	1/5		
K9607-01A	20.8226	1/5	104%	
K9607-02	-0.6562	1/5		
K9607-02D	-1.0145	1/5		
K9607-02S	14.6612	1/5	92%	
K9449-01	-0.8431	1/5		
~~K9449-01A~~ [illegible] 11/21	~~23.124~~	1/5		See rerun
K9449-02	-0.5237	1/5		
K9449-03	-1.0041	1/5		
~CCV	20.5657		103%	
~CCB	-0.6863			
K9449-04	-0.8963	1/5		
K9599-01	-0.724	1/5		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	25.0ppb (76-115%)	40.0ppb (62-116%)	146mg/kg (112-180mg/kg)	80ppb (41-133%)
Lead	25.0ppb (77-114%)	40.0ppb (61-133%)	67.5mg/kg (53.1-81.9mg/kg)	80ppb (41-139%)
Selenium	25.0ppb (76-113%)	40.0ppb (37-119%)	70.5mg/kg (53.3-87.7mg/kg)	80ppb (36-134%)
Thallium	25.0ppb (83-114%)	40.0ppb (34-132%)	82.1mg/kg (62.6-102mg/kg)	80ppb (38-134%)

Analyst	**Date:**	**Page Number:**
[illegible]	11-21-06	1

R:\ICP\WIP\DATA\K-GFAA-06 (Varian-6)\Run Logs\KA0626499Se LOG

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7060A 7421 7740 7841 200.9 Other:_____ Element: As Pb Se Tl	**Service Request # :** K9599, K9646, K9449, K8915

SAMPLE NUMBER	Measured (ug/l)	Dilution factor	Recoveries (ICV, CCV, CRA, LCS Post-Spk., Matrix Spk.)	Comments
K9599-01A	22.4882	1/5	112%	
K9599-02	-0.6395	1/5		
K9599-03	-0.9437	1/5		
K9599-04	-0.8371	1/5		
K9599-05	-1.1062	1/5		
K9646-01	-0.9992	1/5		
K9646-01A	18.0579	1/5	90%	
K9646-01D	-1.1013	1/5		
~CCV	19.6499		98%	
~CCB	-0.3553			
K9646-01S	14.21	1/5	89%	
K9449-01A	20.3756	1/5	102%	
PBT K8915	-0.6435	1/10		
DORM	1.858	1/5		
DOLT	7.0167	1/10	99%	
K8915-01	1.554	1/10		
K8915-01A	22.6164	1/10	105%	
K8915-02	0.4406	1/10		
K8915-03	0.7366	1/10		
K8915-04	0.4004	1/10		
~CCV	20.9439		105%	
~CCB	-0.1333			
K8915-04D	0.4453	1/10		
K8915-04S	8.6657	1/20	104%	
K8915-05	0.9675	1/10		
K8915-06	1.3774	1/10		
K8915-07	0.3451	1/10		
~CRDL	4.1809			
~CCV	21.0908		105%	
~CCB	-0.5105			

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	25.0ppb (76-115%)	40.0ppb (62-116%)	146mg/kg (112-180mg/kg)	80ppb (41-133%)
Lead	25.0ppb (77-114%)	40.0ppb (61-133%)	67.5mg/kg (53.1-81.9mg/kg)	80ppb (41-139%)
Selenium	25.0ppb (76-113%)	40.0ppb (37-119%)	70.5mg/kg (53.3-87.7mg/kg)	80ppb (36-134%)
Thallium	25.0ppb (83-114%)	40.0ppb (34-132%)	82.1mg/kg (62.6-102mg/kg)	80ppb (38-134%)

Analyst	**Date:**	**Page Number:**
[signature]	11-21-06	2

R:\ICP\WIP\DATA\K-GFAA-06 (Varian-6)\Run Logs\KA0626499Se LOG

Analyst rnorris
Date Started 8:19 AM 11/21/2006
Worksheet Se 11-21-06
Comment K-GFAA-06
Methods Se

Varian 6 (K-GFAA-06)
Columbia Analytical Services
1317 S. 13th
Kelso, Wa. 98632

Method: Se (Zeeman)

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
CAL ZERO	0.00	15.1	0.0172	0.0446	0.0190	0.0153	/21/2006	2:50 AM
STANDARD 1	5.00	10.0	0.0065	0.0143	0.0061	0.0070	/21/2006	7:12 AM
STANDARD 2	10.00	2.7	0.0161	0.0189	0.0158	0.0164	/21/2006	1:32 AM
STANDARD 3	20.00	3.1	0.0368	0.0192	0.0376	0.0360	/21/2006	5:52 AM
STANDARD 4	30.00	0.1	0.0567	0.0248	0.0566	0.0567	/21/2006	0:12 AM
	QC Test: Correlation coefficient 0.9977 within 0.9950 limit							
STANDARD 5	40.00	1.3	0.0775	0.0240	0.0782	0.0768	/21/2006	4:32 AM
	Curve Fit		= Linear Origin					
	Characteristic Conc		= 2.32 µg/L					
	r		= 0.9977					
	Calculated Conc		= 9.07 3.44 8.50 19.44 29.92					
	Residuals		= -9.07 1.56 1.50 0.56 0.08					
	QC Test: ICV recovery 105.5%R - within limits							
~ICV	26.37	1.0	0.0500	0.0227	0.0503	0.0496	/21/2006	8:52 AM
	QC Test: ICB Concentration 0.42 less than limit							
~ICB	0.42	>100	0.0008	0.0118	0.0019	-0.0003	/21/2006	3:02 AM
	QC Test: CRDL recovery 93.3%R - within limits							
~CRDL	4.66	4.9	0.0088	0.0172	0.0091	0.0085	/21/2006	7:22 AM
	QC Test: CCV recovery 101.9%R - within limits							
~CCV	20.39	0.2	0.0386	0.0181	0.0386	0.0387	/21/2006	1:44 AM
	QC Test: CCB Concentration -0.44 less than limit							
~CCB	-0.44	30.1	-0.0008	0.0151	-0.0007	-0.0010	/21/2006	5:54 AM
PBS K9157 etc.	-0.64	49.0	-0.0012	0.0151	-0.0016	-0.0008	/21/2006	0:16 AM
	DF = 2.00							
LCS bkspk	56.74	0.4	0.0538	0.0263	0.0539	0.0536	/21/2006	7:12 AM
K9157-01 1/5	-0.29	21.1	-0.0005	0.0273	-0.0005	-0.0006	/21/2006	1:30 AM
K9157-01A	20.61	2.1	0.0390	0.0260	0.0396	0.0385	/21/2006	5:48 AM
K9157-01D	-0.37	9.8	-0.0007	0.0253	-0.0007	-0.0006	/21/2006	0:08 AM
K9157-01S	16.27	0.4	0.0308	0.0277	0.0307	0.0309	/21/2006	4:26 AM
K9157-02	-0.59	30.8	-0.0011	0.0197	-0.0009	-0.0014	/21/2006	8:44 AM
K9157-03	-0.92	18.3	-0.0017	0.0210	-0.0020	-0.0015	/21/2006	3:04 AM
K9157-04	-0.76	41.1	-0.0014	0.0215	-0.0010	-0.0019	/21/2006	7:22 AM
	QC Test: CCV recovery 104.0%R - within limits							
~CCV	20.80	0.9	0.0394	0.0208	0.0397	0.0392	/21/2006	1:42 AM
	QC Test: CCB Concentration 0.83 less than limit							
~CCB	0.83	22.1	0.0016	0.0125	0.0013	0.0018	/21/2006	5:54 AM
K9157-05	-0.67	15.5	-0.0013	0.0212	-0.0011	-0.0014	/21/2006	0:14 AM
K9607-01 1/5	-1.07	40.4	-0.0020	0.0213	-0.0015	-0.0026	/21/2006	4:34 AM
K9607-01A	20.82	0.7	0.0395	0.0242	0.0393	0.0396	/21/2006	8:54 AM
K9607-02	-0.66	28.5	-0.0012	0.0334	-0.0010	-0.0015	/21/2006	3:14 AM
K9607-02D	-1.01	16.1	-0.0019	0.0348	-0.0017	-0.0021	/21/2006	7:34 AM
K9607-02S	14.66	2.6	0.0278	0.0398	0.0283	0.0273	/21/2006	1:54 AM
K9449-01 1/5	-0.84	22.1	-0.0016	0.0244	-0.0013	-0.0018	/21/2006	6:16 AM
K9449-01A	23.12	10.6	0.0438	0.0283	0.0471	0.0405	/21/2006	0:38 AM
K9449-02	-0.52	25.6	-0.0010	0.0226	-0.0008	-0.0012	/21/2006	5:00 AM

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
K9449-03	-1.00	29.6	-0.0019	0.0311	-0.0015	-0.0023	/21/2006	9:22 AM
QC Test: CCV recovery 102.8%R - within limits								
~CCV	20.57	0.9	0.0390	0.0241	0.0387	0.0392	/21/2006	3:44 AM
QC Test: CCB Concentration -0.69 less than limit								
~CCB	-0.69	38.5	-0.0013	0.0164	-0.0009	-0.0017	/21/2006	7:56 AM
K9449-04	-0.90	1.4	-0.0017	0.0211	-0.0017	-0.0017	/21/2006	2:16 AM
K9599-01 1/5	-0.72	25.3	-0.0014	0.0135	-0.0016	-0.0011	/21/2006	6:36 AM
K9599-01A	22.49	1.5	0.0426	0.0213	0.0431	0.0421	/21/2006	0:58 AM
K9599-02	-0.64	14.3	-0.0012	0.0189	-0.0011	-0.0013	/21/2006	5:16 AM
K9599-03	-0.94	4.8	-0.0018	0.0158	-0.0017	-0.0018	/21/2006	9:36 AM
K9599-04	-0.84	23.6	-0.0016	0.0134	-0.0019	-0.0013	/21/2006	03:56 PM
K9599-05	-1.11	5.1	-0.0021	0.0127	-0.0022	-0.0020	/21/2006	08:14 PM
K9646-01 1/5	-1.00	19.4	-0.0019	0.0561	-0.0016	-0.0022	/21/2006	12:34 PM
K9646-01A	18.06	1.7	0.0342	0.0569	0.0346	0.0338	/21/2006	16:52 PM
K9646-01D	-1.10	22.3	-0.0021	0.0600	-0.0018	-0.0024	/21/2006	21:10 PM
QC Test: CCV recovery 98.3%R - within limits								
~CCV	19.65	2.3	0.0372	0.0228	0.0366	0.0378	/21/2006	25:30 PM
QC Test: CCB Concentration -0.36 less than limit								
~CCB	-0.36	>100	-0.0007	0.0140	0.0003	-0.0017	/21/2006	29:42 PM
K9646-01S	14.21	1.4	0.0269	0.0391	0.0272	0.0267	/21/2006	34:04 PM
K9449-01A 1/5	20.38	0.1	0.0386	0.0288	0.0386	0.0386	/21/2006	38:24 PM
PBT ~~K8921~~ K8915 1/10	-0.64	41.2	-0.0012	0.0140	-0.0009	-0.0016	/21/2006	42:42 PM
DORM 1/5	1.86	15.3	0.0035	0.0233	0.0039	0.0031	/21/2006	47:02 PM
DOLT 1/10	7.02	3.7	0.0133	0.0227	0.0136	0.0129	/21/2006	51:20 PM
K8921-01 1/10 RN 11-21-06	1.55	15.9	0.0029	0.0124	0.0033	0.0026	/21/2006	55:40 PM
K8921-01A	22.62	0.6	0.0429	0.0204	0.0427	0.0430	/21/2006	00:00 PM
K8921-02	0.44	71.4	0.0008	0.0171	0.0013	0.0004	/21/2006	04:20 PM
K8921-03	0.74	14.2	0.0014	0.0234	0.0015	0.0013	/21/2006	08:42 PM
K8921-04	0.40	12.4	0.0008	0.0223	0.0008	0.0007	/21/2006	13:02 PM
QC Test: CCV recovery 104.7%R - within limits								
~CCV	20.94	0.7	0.0397	0.0135	0.0399	0.0395	/21/2006	17:24 PM
QC Test: CCB Concentration -0.13 less than limit								
~CCB	-0.13	>100	-0.0003	0.0133	0.0001	-0.0006	/21/2006	21:36 PM
K8921-04D	0.45	14.4	0.0008	0.0191	0.0009	0.0008	/21/2006	25:58 PM
K8921-04S 1/20	8.67	4.5	0.0164	0.0167	0.0169	0.0159	/21/2006	34:42 PM
K8921-05	0.97	8.6	0.0018	0.0220	0.0017	0.0019	/21/2006	39:00 PM
K8921-06	1.38	37.6	0.0026	0.0151	0.0033	0.0019	/21/2006	43:18 PM
K8921-07	0.35	28.8	0.0007	0.0203	0.0005	0.0008	/21/2006	47:36 PM
QC Test: CRDL recovery 83.6%R - within limits								
~CRDL	4.18	2.9	0.0079	0.0116	0.0081	0.0078	/21/2006	51:58 PM
QC Test: CCV recovery 105.4%R - within limits								
~CCV	21.09	3.1	0.0400	0.0183	0.0391	0.0408	/21/2006	56:18 PM
QC Test: CCB Concentration -0.51 less than limit								
~CCB	-0.51	65.1	-0.0010	0.0145	-0.0005	-0.0014	/21/2006	00:30 PM

Service Request # 8715
Instrument ID# K-ICP-AES-02

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	✓	
2. ICV within 10 % of true value	✓	
3. ICB below MRL	✓	
4. CRI standard analyzed.	✓	
5. ICS standards within 20% of true value	✓	
6. All preceding CCVs within 10 % of true value	✓	
7. Following CCV within 10 % of true value	✓	
8. Bracketing CCBs below MRL	✓	
9. Method Blank below MRL	✓	
10. MS-MSD or Dup-MS and LCS within CAS control limits	✓	
11. All analytes within instrument linear range	✓	
12. Adequate rinse out time allowed between samples to eliminate memory effect	✓	

Comments:
Na MRL=200 ppb Cr RPD = 39 %

Primary Review by [illegible] Date 11/14/6

Secondary Review by [illegible] Date 11/15/06

Method: INTSTD6C Sample Name: Blank Operator:
Comment:
Run Time: 11/14/06 11:00 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B 2497
Line	237.312 {141}	206.833 {162}	189.042 {177}	233.527 {144}	313.042 {107}	249.773 {134}
Avg	.3576	-.0832	.0395	-.0009	.0000	-.1289
Stddev	.0156	.0313	.0108	.0004	.0002	.0176
%RSD	4.350	37.68	27.33	44.28	508.2	13.65
#1	.3686	-.1053	.0319	-.0012	-.0001	-.1413
#2	.3466	-.0610	.0471	-.0006	.0001	-.1165

Elem	Cd2265	Ca3179	Ca3181	Cr2677	Co2286	Cu3247
Line	226.502 {148}	317.933 {105}	318.128 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	.0000	.0003	-.0002	.0000	.0000	.1038
Stddev	.000	.0002	.0002	.000	.0003	.0449
%RSD	656.3	62.73	148.8	325.6	2374.	43.28
#1	.0000	.0002	.0000	-.0002	-.0002	.0720
#2	.0000	.0005	-.0003	.0001	.0002	.1355

Elem	Fe2599	Fe2714	Pb2203	Mg2025	Mg2852	Mn2576
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}	285.213 {117}	257.610 {131}
Avg	-.0005	.0006	.0003	.2661	-.0097	.0012
Stddev	.0004	.0003	.0003	.0236	.0528	.0002
%RSD	82.54	59.06	104.6	8.874	546.9	13.15
#1	-.0009	.0003	.0005	.2494	.0277	.0013
#2	-.0002	.0008	.0001	.2828	-.0470	.0011

Elem	Mo2020	Ni2316	K 7664	Se1960	Ag3280	Na5895
Line	202.030 {166}	231.604 {145}	766.490 { 44}	196.090 {171}	328.068 {102}	589.592 { 57}
Avg	.0000	-.0003	.1189	-.0208	-.1191	.0061
Stddev	.000	.0003	.3091	.0568	.1097	.0012
%RSD	307.3	111.2	260.0	273.5	92.15	19.98
#1	-.0001	-.0005	-.0997	-.0610	-.1967	.0052
#2	.0000	-.0001	.3375	.0194	-.0415	.0069

Elem	Sn1899	V 3102	Zn2062	P 1782	Si2516	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	178.287 {188}	251.612 {134}	323.452 {104}
Avg	-.0001	.0046	.0008	.3043	.4935	.0049
Stddev	.0000	.0001	.0001	.0089	.0786	.0001
%RSD	29.25	1.845	14.55	2.934	15.92	2.553
#1	-.0002	.0046	.0009	.2979	.4379	.0050
#2	-.0001	.0047	.0007	.3106	.5490	.0048

Elem	Tl1908	Li6707	Sr4077	S 1820
Line	190.864 {176}	670.784 { 50}	407.771 { 82}	182.034 {184}
Avg	-.0001	-.3501	-.0018	.6383
Stddev	.0000	.1112	.0004	.0228
%RSD	14.72	31.76	24.04	3.567
#1	-.0001	-.2715	-.0015	.6222
#2	-.0002	-.4288	-.0021	.6544

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	339.72
Stddev	3.54
%RSD	1.0427
#1	337.22
#2	342.23

uu 11/14/6

Method: INTSTD6C Sample Name: STDA Operator:
Comment: ICP3-54-B
Run Time: 11/14/06 11:04 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Sb2068	As1890	B_2497	Cd2265	Ca3179	Cr2677
Line	206.833 {162}	189.042 {177}	249.773 {134}	226.502 {148}	317.933 {105}	267.716 {125}
Avg	2.090	2.791	24.70	.2305	.0474	.0691
Stddev	.090	.090	.05	.0010	.0003	.0004
%RSD	4.315	3.231	.2128	.4253	.7094	.6208
#1	2.153	2.855	24.67	.2312	.0476	.0695
#2	2.026	2.727	24.74	.2298	.0471	.0688

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2852	Mn2576
Line	228.616 {147}	324.754 {103}	259.940 {129}	220.353 {152}	285.213 {117}	257.610 {131}
Avg	.1212	19.54	.1785	.0153	77.71	.7831
Stddev	.0007	.01	.0013	.0003	.48	.0099
%RSD	.5857	.0495	.7170	2.020	.6209	1.265
#1	.1217	19.54	.1794	.0155	77.37	.7901
#2	.1207	19.55	.1776	.0150	78.06	.7761

Elem	Mo2020	Ni2316	Se1960	Ag3280	Sn1899	V_3102
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}	189.989 {176}	310.230 {108}
Avg	.0440	.1129	2.124	14.05	.0146	.1117
Stddev	.0000	.0005	.045	.14	.0001	.0008
%RSD	.0927	.4126	2.123	.9737	.3427	.6859
#1	.0441	.1132	2.156	13.95	.0147	.1122
#2	.0440	.1126	2.092	14.15	.0146	.1111

Elem	Zn2062	Ti3234	Tl1908
Line	206.200 {163}	323.452 {104}	190.864 {176}
Avg	.1603	.1265	.0057
Stddev	.0009	.0010	.0002
%RSD	.5342	.8288	2.945
#1	.1609	.1258	.0058
#2	.1597	.1272	.0056

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	346.37
Stddev	1.92
%RSD	.55399
#1	345.01
#2	347.72

Method: INTSTD6C Sample Name: STDB Operator:
Comment: ICP3-71-C
Run Time: 11/14/06 11:07 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	A12373	Ba2335	Be3130	Ca3181	Fe2714	Mg2025
Line	237.312 {141}	233.527 {144}	313.042 {107}	318.128 {105}	271.441 {124}	202.582 {166}
Avg	12.28	1.816	.3562	.2979	.4480	41.74
Stddev	.00	.002	.0005	.0010	.0005	.05
%RSD	.0297	.1309	.1378	.3234	.1213	.1102
#1	12.29	1.818	.3566	.2985	.4484	41.71
#2	12.28	1.815	.3559	.2972	.4476	41.77

Elem	K_7664	Na5895	P_1782	Si2516	Li6707	Sr4077
Line	766.490 { 44}	589.592 { 57}	178.287 {188}	251.612 {134}	670.784 { 50}	407.771 { 82}
Avg	148.1	1.590	7.992	74.22	191.5	4.147
Stddev	.0	.004	.064	.13	1.9	.010
%RSD	.0318	.2735	.7992	.1686	.9830	.2408
#1	148.0	1.593	7.947	74.13	190.1	4.154
#2	148.1	1.587	8.037	74.31	192.8	4.140

Elem	S_1820
Line	182.034 {184}
Avg	8.484
Stddev	.002
%RSD	.0254
#1	8.483
#2	8.486

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	340.23
Stddev	.86
%RSD	.25146
#1	339.63
#2	340.84

Method: INTSTD6C Sample Name: ICV Operator: WM
Comment: 70978 ICP3-71-D
Run Time: 11/14/06 11:15 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.003	2.537	2.526	4.956	.1248	.0118	1.232
Stddev	.021	.031	.011	.023	.0009	.0003	.004
%RSD	.4239	1.206	.4202	.4696	.7205	2.642	.3195
#1	4.988	2.559	2.519	4.973	.1254	.0120	1.234
#2	5.018	2.516	2.534	4.940	.1241	.0116	1.229
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None	QC Pass
Value	5.000	2.500	2.500	5.000	.1250		1.250
Range	5.000%	5.000%	5.000%	5.000%	5.000%		5.000%

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.22	.4925	1.222	.6454	2.451	2.394	12.27
Stddev	.12	.0002	.006	.0067	.004	.004	.01
%RSD	.9556	.0358	.5142	1.042	.1628	.1724	.0422
#1	12.30	.4927	1.226	.6406	2.453	2.391	12.27
#2	12.14	.4924	1.217	.6501	2.448	2.397	12.27
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	12.50	.5000	1.250	.6250	2.500	2.500	12.50
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.203	Q -.0026	1.210	12.38	2.575	Q 1.008	12.09
Stddev	.005	.0014	.004	.02	.014	.009	.00
%RSD	.4561	52.11	.3625	.1225	.5286	.9133	.0386
#1	1.207	-.0017	1.213	12.40	2.566	1.002	12.09
#2	1.199	-.0036	1.207	12.37	2.585	1.015	12.10
Check ?	QC Pass	QC Fail	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	1.250	2.000	1.250	12.50	2.500	.6250	12.50
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0067	1.215	1.219	.1518	-.0157	Q -.0004	2.491
Stddev	.0020	.015	.002	.0299	.0008	.0036	.052
%RSD	30.17	1.200	.1253	19.73	4.994	851.3	2.101
#1	.0082	1.225	1.220	.1306	-.0163	-.0030	2.528
#2	.0053	1.205	1.218	.1729	-.0151	.0021	2.454
Check ?	None	QC Pass	QC Pass	None	None	QC Fail	QC Pass
Value		1.250	1.250			2.000	2.500
Range		5.000%	5.000%			5.000%	5.000%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0022	.0014	.8068
Stddev	.0014	.0000	.0187
%RSD	61.93	2.606	2.316
#1	.0012	.0014	.7936
#2	.0032	.0014	.8200
Check ?	None	None	None
Value			
Range			

Sample Name: ICV Run Time: 11/14/06 11:15

Int. Std.	Sc3572
Units	Cts/S
Avg	355.43
Stddev	.98
%RSD	.27561
#1	354.74
#2	356.13

Method: INTSTD6C Sample Name: ICV2 Operator: WM
Comment: 70978 ICP3-44-A
Run Time: 11/14/06 11:19 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0572	.0255	-.0231	.0002	.0000	.0820	.0009
Stddev	.0098	.0179	.0043	.0004	.000	.0018	.0001
%RSD	17.15	70.31	18.51	239.4	128.8	2.205	15.88
#1	.0502	.0382	-.0201	-.0001	.0000	.0833	.0010
#2	.0641	.0128	-.0261	.0005	.0000	.0807	.0008
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.957	-.0045	-.0008	-.0093	24.52	-.0143	25.24
Stddev	.005	.0019	.0002	.0020	.06	.0028	.04
%RSD	.0957	42.06	24.79	21.67	.2476	19.76	.1584
#1	4.953	-.0031	-.0010	-.0079	24.48	-.0163	25.27
#2	4.960	-.0058	-.0007	-.0107	24.57	-.0123	25.21
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	5.000				25.00		25.00
Range	5.000%				5.000%		5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0022	-.0050	.0377	-.0013	.0014	-.0101
Stddev	.0000	.0017	.0021	.0285	.0046	.0000	.0028
%RSD	1.769	75.76	42.42	75.70	351.2	.1002	27.55
#1	.0007	.0033	-.0065	.0578	.0019	.0014	-.0121
#2	.0008	.0010	-.0035	.0175	-.0045	.0014	-.0081
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	-.0081	-.0015	-.0117	-.0325	.0031	-.0027
Stddev	.0034	.0030	.0007	.0198	.0064	.0021	.0009
%RSD	82.23	37.71	46.04	168.8	19.66	69.34	33.15
#1	.0066	-.0059	-.0010	-.0257	-.0371	.0016	-.0033
#2	.0017	-.0102	-.0021	.0023	-.0280	.0046	-.0021
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0016	.0006	Q -.0857
Stddev	.0003	.0001	.0024
%RSD	17.48	17.53	2.832
#1	.0014	.0007	-.0840
#2	.0018	.0005	-.0874
Check ?	None	None	QC Fail
Value			5.000
Range			5.000%

Sample Name: ICV2 Run Time: 11/14/06 11:19

Int. Std.	Sc3572
Units	Cts/S
Avg	349.59
Stddev	.90
%RSD	.25685
#1	350.23
#2	348.96

Method: INTSTD6C Sample Name: ICV3 Operator: WM
Comment: 70978 ICP3-63-A
Run Time: 11/14/06 11:28 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0301	.0077	-.0257	.0002	.0001	5.188	-.0005
Stddev	.0064	.0108	.0075	.0001	.0000	.058	.0005
%RSD	21.32	141.3	29.10	58.77	29.89	1.108	102.9
#1	.0346	.0153	-.0310	.0003	.0001	5.229	-.0009
#2	.0255	.0000	-.0204	.0001	.0000	5.147	-.0001
Check ?	None	None	None	None	None	QC Pass	None
Value						5.000	
Range						5.000%	

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074	-.0007	.0009	.0033	.0017	-.0084	-.0012
Stddev	.0022	.0018	.0007	.0063	.0024	.0067	.0006
%RSD	30.19	278.3	78.65	186.8	145.2	80.03	50.24
#1	.0090	.0006	.0004	-.0011	.0034	-.0131	-.0017
#2	.0058	-.0019	.0014	.0078	.0000	-.0036	-.0008
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0009	.0003	.0535	-.0032	-.0031	13.85
Stddev	.0001	.0032	.0014	.0387	.0182	.0014	.01
%RSD	14.74	344.9	428.9	72.30	566.2	43.75	.0683
#1	.0004	.0032	.0013	.0262	-.0161	-.0041	13.86
#2	.0003	-.0013	-.0007	.0809	.0097	-.0022	13.84
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.949	-.0048	-.0025	4.793	4.971	.0028	.0144
Stddev	.035	.0047	.0002	.021	.058	.0040	.0058
%RSD	.7079	96.25	9.752	.4400	1.163	142.5	39.99
#1	4.974	-.0015	-.0024	4.808	5.011	.0000	.0184
#2	4.925	-.0081	-.0027	4.778	4.930	.0056	.0103
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			5.000	5.000		
Range	5.000%			5.000%	5.000%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	5.167	Q 4.920	.2795
Stddev	.001	.004	.0169
%RSD	.0206	.0748	6.059
#1	5.166	4.918	.2915
#2	5.168	4.923	.2675
Check ?	QC Pass	QC Fail	None
Value	5.000	1.000	
Range	5.000%	5.000%	

Sample Name: ICV3 Run Time: 11/14/06 11:28

Int. Std.	Sc3572
Units	Cts/S
Avg	350.88
Stddev	.23
%RSD	.06448
#1	350.72
#2	351.04

Method: INTSTD6C Sample Name: ICB Operator: WM
Comment: 70978
Run Time: 11/14/06 11:34 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0429	-.0100	-.0189	.0000	.0000	.0023	.0002
Stddev	.0180	.0144	.0007	.0007	.000	.0016	.0006
%RSD	42.05	144.3	3.778	2491.	9558.	69.02	242.2
#1	.0556	-.0201	-.0184	.0005	.0000	.0012	-.0002
#2	.0301	.0002	-.0194	-.0005	.0000	.0034	.0007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0009	.0329	-.0020	-.0007	.0003	.0005	.0020
Stddev	.0049	.0824	.0006	.0013	.0013	.0013	.0304
%RSD	566.0	250.8	27.62	182.1	462.3	249.8	1494.
#1	-.0043	.0912	-.0024	-.0017	-.0006	.0015	-.0195
#2	.0026	-.0254	-.0016	.0002	.0012	-.0004	.0235
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	-.0119	-.0011	.0002	.0050	.0002	.0641
Stddev	.0010	.0025	.0074	.0003	.0012	.0034	.0636
%RSD	12.60	21.15	691.4	148.7	24.14	1673.	99.30
#1	.0069	-.0101	.0042	.0004	.0041	.0026	.0191
#2	.0083	-.0137	-.0063	.0000	.0058	-.0022	.1090
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0052	-.0018	-.0103	.0058	-.0026	.0000	-.0100
Stddev	.0228	.0045	.0051	.0099	.0001	.0001	.0146
%RSD	441.9	245.7	49.29	170.4	3.615	949.7	146.6
#1	-.0213	-.0051	-.0139	.0128	-.0025	.0001	.0004
#2	.0110	.0014	-.0067	-.0012	-.0027	-.0001	-.0203
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0299	.0014	-.0026	.0017	.0000	.0748
Stddev	.0005	.0010	.0159	.0013	.000	.0101
%RSD	1.818	74.04	602.1	74.27	2406.	13.48
#1	-.0296	.0006	.0086	.0027	-.0002	.0677
#2	-.0303	.0021	-.0139	.0008	.0002	.0819
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: ICB Run Time: 11/14/06 11:34

Int. Std.	Sc3572
Units	Cts/S
Avg	342.37
Stddev	2.38
%RSD	.69421
#1	344.06
#2	340.69

Method: INTSTD6C Sample Name: CCVA1 Operator: WM
Comment: 70978
Run Time: 11/14/06 11:52 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5042	.5082	.4819	.4689	.4940	.5009	.4813
Stddev	.0379	.0027	.0000	.0005	.0022	.0012	.0023
%RSD	7.508	.5268	.0075	.0976	.4383	.2434	.4790
#1	.5310	.5063	.4820	.4692	.4924	.5017	.4797
#2	.4775	.5101	.4819	.4686	.4955	.5000	.4830
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5029	.4861	.4813	.5040	.4934	.4760	2.499
Stddev	.0085	.0016	.0007	.0078	.0008	.0047	.008
%RSD	1.684	.3252	.1529	1.556	.1654	.9874	.3327
#1	.4969	.4850	.4808	.5095	.4940	.4794	2.493
#2	.5089	.4872	.4818	.4984	.4928	.4727	2.505
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4736	.4821	.4797	5.025	.4989	Q .4047	.4973
Stddev	.0004	.0019	.0032	.009	.0064	.0036	.0033
%RSD	.0812	.4009	.6588	.1898	1.288	.8836	.6556
#1	.4738	.4808	.4775	5.018	.5034	.4022	.4950
#2	.4733	.4835	.4820	5.032	.4943	.4073	.4996
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Fail	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4862	.4806	.4793	-.0059	.2740	.4840	.5049
Stddev	.0044	.0033	.0010	.0019	.0077	.0027	.0022
%RSD	.9067	.6789	.2101	32.76	2.799	.5656	.4355
#1	.4831	.4829	.4801	-.0045	.2686	.4860	.5033
#2	.4893	.4783	.4786	-.0072	.2794	.4821	.5064
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0012	.0005	.1043
Stddev	.0006	.0001	.0162
%RSD	46.24	21.54	15.51
#1	.0016	.0004	.0928
#2	.0008	.0006	.1157
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA1 Run Time: 11/14/06 11:52

Int. Std.	Sc3572
Units	Cts/S
Avg	353.06
Stddev	.24
%RSD	.06798
#1	353.23
#2	352.89

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Method: INTSTD6C Sample Name: CCVB1 Operator: WM
Comment: 70978
Run Time: 11/14/06 11:56 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.082	.0292	-.0116	2.352	.0485	.0818	.0011
Stddev	.066	.0108	.0129	.028	.0016	.0027	.0000
%RSD	1.302	36.87	111.3	1.205	3.360	3.324	3.467
#1	5.129	.0216	-.0206	2.332	.0474	.0837	.0010
#2	5.036	.0369	-.0025	2.372	.0497	.0798	.0011
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.11	-.0033	-.0009	-.0002	23.90	-.0051	24.84
Stddev	.46	.0011	.0002	.0033	.20	.0068	.07
%RSD	1.922	32.68	18.16	1549.	.8342	135.0	.2692
#1	23.78	-.0026	-.0011	.0021	23.75	-.0099	24.89
#2	24.44	-.0041	-.0008	-.0026	24.04	-.0002	24.79
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	-.0008	-.0028	10.05	-.0097	.0039	9.701
Stddev	.0001	.0003	.0022	.25	.0055	.0094	.202
%RSD	10.65	33.59	78.30	2.446	56.57	239.7	2.086
#1	.0010	-.0006	-.0044	9.877	-.0136	-.0027	9.558
#2	.0011	-.0009	-.0013	10.22	-.0058	.0105	9.844
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0079	-.0034	.0013	2.673	2.592	-.0003	-.0360
Stddev	.0048	.0038	.0003	.018	.002	.0025	.0267
%RSD	60.51	110.8	19.82	.6704	.0845	767.2	74.05
#1	.0045	-.0007	.0015	2.686	2.590	-.0021	-.0171
#2	.0113	-.0060	.0011	2.661	2.593	.0014	-.0548
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.5014	.4859	5.445
Stddev	.0057	.0128	.025
%RSD	1.145	2.638	.4554
#1	.4974	.4768	5.428
#2	.5055	.4950	5.463
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB1 Run Time: 11/14/06 11:56

Int. Std.	Sc3572
Units	Cts/S
Avg	358.35
Stddev	1.98
%RSD	.55271
#1	359.75
#2	356.95

Method: INTSTD6C Sample Name: CCB1 Operator: WM
Comment: 70978
Run Time: 11/14/06 12:03 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0058	-.0100	-.0204	-.0003	.0000	-.0002	-.0001
Stddev	.0181	.0053	.0000	.0001	.000	.0007	.0000
%RSD	310.6	52.79	.0088	31.11	600.7	320.9	46.65
#1	.0070	-.0138	-.0204	-.0003	.0000	.0003	-.0001
#2	-.0186	-.0063	-.0204	-.0002	-.0001	-.0007	-.0001
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0183	-.0011	.0005	.0006	-.0013	.0109
Stddev	.0041	.0306	.0018	.0010	.0066	.0003	.0326
%RSD	422.6	167.0	158.4	183.5	1043.	19.52	300.6
#1	-.0019	.0399	-.0024	.0012	.0053	-.0015	.0339
#2	.0039	-.0033	.0001	-.0002	-.0041	-.0011	-.0122
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	L -.0319	.0019	-.0001	.0029	.0001	.0303
Stddev	.0109	.0120	.0000	.0000	.0016	.0002	.0110
%RSD	12610.	37.45	.0999	60.36	54.57	226.7	36.43
#1	.0078	-.0404	.0019	.0000	.0040	.0003	.0381
#2	-.0076	-.0235	.0019	-.0001	.0018	-.0001	.0225
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0336	-.0011	.0081	.0062	-.0008	-.0016	-.0122
Stddev	.0064	.0037	.0004	.0096	.0036	.0007	.0025
%RSD	19.04	347.9	4.846	154.1	464.3	46.25	20.84
#1	-.0381	.0016	.0083	.0131	-.0034	-.0021	-.0140
#2	-.0291	-.0037	.0078	-.0006	.0018	-.0011	-.0104
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0249	-.0007	.0141	-.0003	.0000	.0141
Stddev	.0023	.0011	.0078	.0025	.000	.0187
%RSD	9.118	159.2	55.39	828.3	4327.	132.6
#1	-.0265	-.0014	.0197	-.0021	-.0001	.0009
#2	-.0233	.0001	.0086	.0015	.0001	.0273
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB1 Run Time: 11/14/06 12:03

Int. Std.	Sc3572
Units	Cts/S
Avg	343.61
Stddev	.33
%RSD	.09693
#1	343.38
#2	343.85

Method: INTSTD6C Sample Name: CRI Operator: WM
Comment: 70978 ICP3-74-I
Run Time: 11/14/06 12:07 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0639	.0491	.0870	.0050	.0049	.0510	.0051
Stddev	.0049	.0027	.0128	.0004	.0000	.0011	.0002
%RSD	7.668	5.532	14.77	7.592	.1778	2.165	3.311
#1	.0605	.0471	.0961	.0053	.0049	.0502	.0049
#2	.0674	.0510	.0779	.0047	.0050	.0518	.0052
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0424	.0030	.0111	.0069	.0175	.0443	.0176
Stddev	.0059	.0015	.0006	.0008	.0008	.0039	.0047
%RSD	13.83	50.48	5.724	11.63	4.621	8.751	26.40
#1	.0383	.0041	.0106	.0063	.0181	.0416	.0144
#2	.0466	.0019	.0115	.0075	.0170	.0471	.0209
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0050	.0100	.0100	.0200	.0500	.0200
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0051	.0101	.0203	2.101	.1020	.0138	.0982
Stddev	.0002	.0004	.0006	.070	.0228	.0043	.0021
%RSD	3.717	3.739	2.962	3.348	22.37	31.07	2.095
#1	.0050	.0103	.0198	2.151	.0859	.0168	.0967
#2	.0053	.0098	.0207	2.051	.1182	.0108	.0996
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0050	.0100	.0200	2.000	.1000	.0100	.1000
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0544	.0099	.0069	.1614	.0680	.0130	.1022
Stddev	.0002	.0022	.0007	.0006	.0003	.0047	.0109
%RSD	.4284	22.02	10.54	.3786	.3872	36.32	10.63
#1	.0542	.0084	.0064	.1610	.0678	.0163	.0945
#2	.0545	.0115	.0074	.1618	.0682	.0097	.1099
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0100	.0100	.2000	.1000	.0100	.1000
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0116	.0095	Q -.0291
Stddev	.0003	.0001	.0600
%RSD	2.390	.8294	206.2
#1	.0118	.0095	.0133
#2	.0114	.0096	-.0716
Check ?	QC Pass	QC Pass	QC Fail
Value	.0100	.0100	.0500
Range	100.0%	100.0%	100.0%

Sample Name: CRI Run Time: 11/14/06 12:07

Int. Std.	Sc3572
Units	Cts/S
Avg	343.77
Stddev	.43
%RSD	.12616
#1	344.08
#2	343.47

Method: INTSTD6C Sample Name: ICSA Operator: WM
Comment: 70978 ICP3-44-B
Run Time: 11/14/06 12:12 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	481.3	.0243	-.0705	-.0026	.0004	.5659	.0017
Stddev	5.1	.0035	.0232	.0005	.0002	.0019	.0008
%RSD	1.050	14.61	32.87	19.82	55.71	.3304	46.03
#1	484.9	.0218	-.0542	-.0022	.0002	.5672	.0011
#2	477.8	.0268	-.0869	-.0029	.0005	.5646	.0022
Check ?	QC Pass	None	None	None	None	None	None
Value	500.0						
Range	20.00%						

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	494.3	-.0064	-.0063	-.0236	188.2	-.0353	514.4
Stddev	.1	.0019	.0007	.0048	.2	.0035	1.6
%RSD	.0212	29.44	11.82	20.34	.0974	9.949	.3163
#1	494.3	-.0051	-.0069	-.0202	188.3	-.0378	513.3
#2	494.4	-.0078	-.0058	-.0270	188.0	-.0328	515.6
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	500.0				200.0		500.0
Range	20.00%				20.00%		20.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.0016	-.0059	-.0644	.0058	-.0057	.0612
Stddev	.0000	.0029	.0013	.0530	.0073	.0012	.0136
%RSD	.4310	183.4	21.43	82.27	125.8	21.66	22.28
#1	.0099	.0037	-.0068	-.0269	.0110	-.0066	.0516
#2	.0099	-.0005	-.0050	-.1018	.0006	-.0048	.0709
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0186	.0006	.0019	.1338	.0072	.0159	-.1188
Stddev	.0066	.0009	.0004	.0115	.0045	.0001	.0267
%RSD	35.63	141.3	22.74	8.571	62.68	.6358	22.44
#1	-.0139	.0012	.0016	.1419	.0103	.0160	-.1000
#2	-.0233	.0000	.0023	.1257	.0040	.0158	-.1377
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0161	-.0155	-.2661
Stddev	.0019	.0006	.0075
%RSD	11.49	3.964	2.811
#1	.0148	-.0151	-.2608
#2	.0174	-.0160	-.2714
Check ?	None	None	None
Value			
Range			

Sample Name: ICSA Run Time: 11/14/06 12:12

Int. Std.	Sc3572
Units	Cts/S
Avg	334.09
Stddev	1.02
%RSD	.30557
#1	334.81
#2	333.36

Method: INTSTD6C Sample Name: ICSAB Operator: WM
Comment: 70978 ICP3-74-J
Run Time: 11/14/06 12:16 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	476.2	Q .0441	-.0709	.4502	.5134	.5779	.9169
Stddev	2.1	.0172	.0062	.0013	.0006	.0044	.0034
%RSD	.4467	38.89	8.774	.2808	.1086	.7683	.3740
#1	474.7	.0563	-.0753	.4493	.5138	.5748	.9145
#2	477.7	.0320	-.0665	.4511	.5130	.5811	.9194
Check ?	QC Pass	QC Fail	None	QC Pass	QC Pass	None	QC Pass
Value	500.0	1.000		.5000	.5000		1.000
Range	20.00%	20.00%		20.00%	20.00%		20.00%

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	494.3	.4561	.4376	.4373	185.1	.8534	510.5
Stddev	.3	.0021	.0014	.0010	1.4	.0215	.3
%RSD	.0583	.4542	.3123	.2392	.7314	2.519	.0676
#1	494.5	.4546	.4366	.4366	184.2	.8382	510.7
#2	494.1	.4575	.4385	.4381	186.1	.8686	510.2
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	.5000	.5000	.5000	200.0	1.000	500.0
Range	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4552	.0044	.8762	-.0608	.0213	.9653	.0227
Stddev	.0020	.0029	.0062	.0005	.0155	.0081	.0055
%RSD	.4360	66.28	.7123	.8056	73.05	.8440	24.21
#1	.4538	.0065	.8718	-.0605	.0103	.9595	.0188
#2	.4566	.0023	.8806	-.0612	.0322	.9710	.0266
Check ?	QC Pass	None	QC Pass	None	None	QC Pass	None
Value	.5000		1.000			1.000	
Range	20.00%		20.00%			20.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0293	.4819	.8929	.1215	.1339	.0162	-.1022
Stddev	.0091	.0000	.0014	.0051	.0010	.0001	.0230
%RSD	31.24	.0008	.1512	4.196	.7664	.3371	22.46
#1	-.0357	.4819	.8920	.1179	.1346	.0162	-.0860
#2	-.0228	.4819	.8939	.1252	.1331	.0161	-.1185
Check ?	None	QC Pass	QC Pass	None	None	None	None
Value		.5000	1.000				
Range		20.00%	20.00%				

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0151	-.0171	-.2573
Stddev	.0025	.0001	.0250
%RSD	16.32	.5086	9.709
#1	.0168	-.0170	-.2396
#2	.0134	-.0171	-.2749
Check ?	None	None	None
Value			
Range			

Sample Name: ICSAB Run Time: 11/14/06 12:16

Int. Std.	Sc3572
Units	Cts/S
Avg	334.94
Stddev	.48
%RSD	.14362
#1	334.60
#2	335.28

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Method: INTSTD6C Sample Name: PBS Operator: WM
Comment: 70978 K0608951
Run Time: 11/14/06 12:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0301	-.0056	-.0119	-.0002	.0001	-.0003	.0001
#1	.0627	-.0088	-.0199	-.0003	.0001	-.0026	-.0003
#2	-.0024	-.0023	-.0038	.0000	.0001	.0020	.0006

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1299	-.0039	-.0004	-.0028	-.0019	-.0002	.0249
#1	.1267	-.0030	.0004	-.0049	-.0012	.0014	.0213
#2	.1332	-.0048	-.0011	-.0008	-.0025	-.0018	.0284

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0014	.0007	-.0101	.0129	.0005	-.0280
#1	-.0006	-.0013	.0025	-.0595	.0110	-.0025	-.0244
#2	.0004	.0041	-.0012	.0394	.0148	.0035	-.0317

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0066	.0007	-.0032	-.0055	-.0270	.0048	-.0030
#1	.0020	.0047	-.0028	-.0041	-.0327	.0053	.0060
#2	.0111	-.0033	-.0035	-.0068	-.0213	.0044	-.0119

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0005	.0008	.0174
#1	-.0002	.0007	.0307
#2	.0012	.0010	.0042

Int. Std.	Sc3572
Units	Cts/S
Avg	346.46
#1	346.55
#2	346.37

Method: INTSTD6C Sample Name: LCSS Operator: WM
Comment: 70978 K0608951 Dcat
Run Time: 11/14/06 12:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2943	.0263	.0816	.0016	.0000	.0621	.1906
#1	.3431	.0314	.0887	.0011	.0000	.0634	.1901
#2	.2456	.0212	.0746	.0020	-.0001	.0608	.1910

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.112	.0554	.0025	.3314	14.93	.0032	12.37
#1	5.113	.0518	.0031	.3277	14.98	.0044	12.33
#2	5.110	.0590	.0018	.3351	14.88	.0021	12.41

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0952	.0317	.0409	116.2	.0691	.0241	83.86
#1	.0954	.0301	.0408	115.8	.0846	.0232	83.63
#2	.0950	.0334	.0410	116.5	.0536	.0249	84.10

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0077	-.0008	.9083	142.9	.2104	.0079	-.2246
#1	.0069	.0031	.9094	140.8	.2084	.0075	-.2290
#2	.0085	-.0048	.9073	145.1	.2125	.0083	-.2203

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0018	.0356	>90.00
#1	.0018	.0354	>90.00
#2	.0018	.0357	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	366.09
#1	365.44
#2	366.75

Method: INTSTD6C Sample Name: LCS Operator: WM
Comment: 70978 DORM K0608951
Run Time: 11/14/06 12:32 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1754	.0284	.1841	.0319	.0000	.0131	.0013
#1	.1173	.0208	.1864	.0316	.0000	.0130	.0016
#2	.2335	.0360	.1819	.0322	-.0001	.0131	.0010

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.676	.3335	.0022	.0208	1.523	-.0044	10.41
#1	4.676	.3310	.0037	.0190	1.519	-.0050	10.40
#2	4.676	.3360	.0006	.0226	1.527	-.0037	10.41

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0360	.0049	.1843	174.9	.0111	.0017	46.63
#1	.0358	.0043	.1829	174.9	-.0005	.0135	46.58
#2	.0362	.0056	.1856	174.8	.0227	-.0101	46.68

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	-.0031	.2586	100.6	.2264	.0043	-.2458
#1	.0016	-.0007	.2597	101.0	.2228	.0028	-.2366
#2	.0103	-.0056	.2574	100.2	.2300	.0058	-.2551

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0023	.0214	>90.00
#1	.0018	.0214	>90.00
#2	.0029	.0214	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	365.60
#1	365.75
#2	365.45

Method: INTSTD6C Sample Name: K0608951-007 Operator: WM
Comment: 70978
Run Time: 11/14/06 12:35 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1099	.0074	.1793	.0133	.0001	.0408	.1954
#1	.0914	.0080	.1723	.0130	.0002	.0398	.1954
#2	.1284	.0067	.1863	.0135	.0001	.0418	.1954

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.98	.0033	.0060	8.420	1.055	.0018	9.107
#1	21.94	.0032	.0065	8.407	1.058	.0041	9.088
#2	22.01	.0034	.0055	8.432	1.051	-.0005	9.126

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0962	.0164	.0121	73.16	.0723	.0232	155.5
#1	.0964	.0166	.0125	72.94	.0575	.0333	155.5
#2	.0959	.0162	.0118	73.39	.0871	.0131	155.4

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0141	1.244	62.47	.3246	.0092	-.3116
#1	.0012	.0124	1.249	62.39	.3270	.0115	-.3371
#2	.0004	.0159	1.239	62.55	.3221	.0069	-.2862

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0046	.2396	>90.00
#1	.0048	.2394	>90.00
#2	.0043	.2397	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	370.63
#1	369.65
#2	371.60

Method: INTSTD6C Sample Name: K0608951-007D Operator: WM
Comment: 70978
Run Time: 11/14/06 12:39 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1590	.0150	.1837	.0087	.0001	.0418	.1905
#1	.1659	.0156	.1824	.0080	.0003	.0427	.1899
#2	.1521	.0144	.1849	.0093	.0000	.0409	.1911

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.30	.0008	.0042	8.137	1.022	.0031	8.787
#1	21.22	.0019	.0044	8.125	1.024	.0067	8.788
#2	21.38	-.0002	.0040	8.149	1.019	-.0004	8.786

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0938	.0151	.0121	72.67	.0717	.0259	151.5
#1	.0938	.0155	.0138	72.52	.0730	.0226	150.9
#2	.0938	.0146	.0103	72.83	.0704	.0292	152.2

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0072	.0114	1.210	62.47	.3135	.0074	-.3127
#1	.0108	.0108	1.210	62.37	.3192	.0064	-.3069
#2	.0037	.0120	1.209	62.58	.3078	.0085	-.3186

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0010	.2318	>90.00
#1	.0000	.2308	>90.00
#2	.0019	.2329	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	370.98
#1	371.71
#2	370.25

Method: INTSTD6C Sample Name: K0608951-007S Operator: WM
Comment: 70978
Run Time: 11/14/06 12:43 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.188	.5321	.3796	1.903	.0472	.2417	.2650
#1	2.145	.5131	.3915	1.895	.0470	.2402	.2641
#2	2.231	.5511	.3678	1.911	.0474	.2431	.2658

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.99	.1889	.4785	9.505	2.105	.4665	9.316
#1	21.02	.1891	.4742	9.538	2.091	.4610	9.358
#2	20.96	.1887	.4828	9.471	2.118	.4720	9.275

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5597	.1746	.4803	82.78	.2443	.0231	174.6
#1	.5573	.1740	.4784	83.09	.2372	.0236	174.5
#2	.5621	.1753	.4822	82.46	.2514	.0227	174.7

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.4839	1.861	68.11	.3085	.0044	-.0985
#1	.0055	.4848	1.852	68.44	.3116	.0065	-.0820
#2	.0039	.4830	1.870	67.79	.3054	.0023	-.1150

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0039	.2516	>90.00
#1	.0045	.2517	>90.00
#2	.0033	.2515	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	373.06
#1	374.64
#2	371.48

Method: INTSTD6C Sample Name: K0608951-001 Operator: WM
Comment: 70978
Run Time: 11/14/06 12:45 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1136	.0402	.1149	.0058	.0006	.0426	.0537
#1	.1496	.0295	.1194	.0064	.0007	.0405	.0539
#2	.0775	.0510	.1103	.0052	.0005	.0446	.0535

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.63	.0001	.0022	6.823	1.134	.0070	7.786
#1	18.65	.0000	.0018	6.836	1.134	.0086	7.802
#2	18.60	.0003	.0026	6.809	1.133	.0055	7.770

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0844	.0100	.0040	73.32	.0388	.0265	124.6
#1	.0848	.0109	.0054	73.48	.0484	.0220	124.6
#2	.0840	.0091	.0025	73.16	.0291	.0310	124.6

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	-.0021	.5532	57.98	.1922	.0023	-.3270
#1	-.0006	-.0011	.5541	58.51	.1922	.0002	-.3113
#2	.0055	-.0031	.5522	57.44	.1922	.0044	-.3426

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0046	.1679	>90.00
#1	.0045	.1678	>90.00
#2	.0046	.1679	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	379.11
#1	379.76
#2	378.46

Method: INTSTD6C Sample Name: CCVA2 Operator: WM
Comment: 70978
Run Time: 11/14/06 12:50 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4891	.4973	.4819	.4703	.4937	.5001	.4858
Stddev	.0360	.0449	.0030	.0009	.0022	.0065	.0017
%RSD	7.362	9.030	.6137	.1858	.4456	1.292	.3491
#1	.5146	.4656	.4798	.4697	.4922	.5047	.4846
#2	.4637	.5291	.4840	.4709	.4953	.4955	.4870
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4861	.4882	.4857	.4997	.4926	.4741	2.491
Stddev	.0059	.0014	.0000	.0008	.0003	.0001	.008
%RSD	1.223	.2890	.0079	.1547	.0572	.0198	.3321
#1	.4819	.4892	.4856	.5003	.4924	.4741	2.497
#2	.4903	.4872	.4857	.4992	.4928	.4740	2.485
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4761	.4783	.4806	4.950	.5040	.4865	.5282
Stddev	.0003	.0028	.0012	.060	.0175	.0093	.0094
%RSD	.0725	.5845	.2593	1.221	3.463	1.912	1.772
#1	.4758	.4802	.4798	4.993	.4917	.4799	.5348
#2	.4763	.4763	.4815	4.908	.5164	.4931	.5215
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4993	.4733	.4849	-.0253	.2439	.4828	.4905
Stddev	.0024	.0034	.0007	.0127	.0099	.0011	.0008
%RSD	.4840	.7083	.1352	50.35	4.053	.2257	.1532
#1	.5010	.4709	.4844	-.0163	.2509	.4821	.4911
#2	.4976	.4757	.4853	-.0342	.2369	.4836	.4900
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0003	.0003	.2650
Stddev	.0007	.0000	.0535
%RSD	245.7	.8385	20.18
#1	.0002	.0003	.3029
#2	-.0008	.0003	.2272
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA2 Run Time: 11/14/06 12:50

Int. Std.	Sc3572
Units	Cts/S
Avg	350.63
Stddev	2.25
%RSD	.64299
#1	352.22
#2	349.03

Method: INTSTD6C Sample Name: CCVB2 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:06 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.987	.0242	-.0171	2.379	.0474	.0779	.0009
Stddev	.013	.0162	.0142	.018	.0001	.0023	.0005
%RSD	.2632	67.15	83.43	.7448	.2880	2.890	55.82
#1	4.978	.0127	-.0271	2.392	.0475	.0795	.0012
#2	4.996	.0357	-.0070	2.366	.0473	.0763	.0005
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.00	-.0018	-.0023	-.0009	24.12	-.0115	24.69
Stddev	.10	.0003	.0010	.0010	.09	.0112	.06
%RSD	.4375	17.70	44.51	113.8	.3775	97.71	.2422
#1	23.93	-.0020	-.0016	-.0002	24.19	-.0194	24.73
#2	24.08	-.0016	-.0030	-.0016	24.06	-.0035	24.65
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0016	-.0034	9.603	-.0090	.0132	9.605
Stddev	.0002	.0039	.0019	.023	.0082	.0081	.009
%RSD	22.29	240.0	56.00	.2365	90.86	61.75	.0984
#1	.0008	-.0011	-.0048	9.619	-.0032	.0074	9.599
#2	.0011	.0044	-.0021	9.587	-.0148	.0189	9.612
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0129	-.0022	.0004	2.469	2.465	.0019	-.0387
Stddev	.0047	.0011	.0004	.045	.011	.0016	.0038
%RSD	36.82	49.97	110.3	1.829	.4680	85.98	9.717
#1	.0095	-.0014	.0001	2.437	2.474	.0007	-.0413
#2	.0162	-.0029	.0007	2.501	2.457	.0030	-.0360
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4815	.4774	5.331
Stddev	.0008	.0017	.017
%RSD	.1729	.3563	.3247
#1	.4821	.4786	5.318
#2	.4809	.4762	5.343
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB2 Run Time: 11/14/06 13:06

Int. Std.	Sc3572
Units	Cts/S
Avg	350.35
Stddev	.53
%RSD	.15222
#1	350.73
#2	349.98

Method: INTSTD6C Sample Name: CCB2 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:10 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0023	-.0234	.0053	.0003	.0001	-.0010	.0008
Stddev	.0888	.0008	.0057	.0007	.0001	.0007	.0001
%RSD	3808.	3.572	107.8	227.0	115.0	70.26	17.56
#1	-.0651	-.0228	.0013	.0008	.0000	-.0005	.0007
#2	.0604	-.0240	.0093	-.0002	.0001	-.0015	.0009
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0093	-.0014	-.0014	-.0028	.0030	.0147
Stddev	.0075	.0487	.0001	.0006	.0066	.0013	.0168
%RSD	1540.	520.8	5.478	46.34	239.0	43.80	114.4
#1	-.0048	-.0437	-.0014	-.0009	.0019	.0039	.0028
#2	.0058	.0251	-.0015	-.0019	-.0075	.0020	.0266
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0082	H .0235	.0034	-.0001	.0028	-.0020	.0489
Stddev	.0012	.0614	.0009	.0002	.0022	.0013	.0108
%RSD	14.43	262.0	26.13	268.2	79.83	64.84	22.06
#1	-.0074	.0669	.0028	.0001	.0012	-.0011	.0565
#2	-.0090	-.0200	.0040	-.0003	.0044	-.0028	.0412
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.0091	.0080	-.0031	.0004	-.0005	.0023
Stddev	.0073	.0112	.0143	.0042	.0008	.0003	.0331
%RSD	66.58	123.1	179.0	135.2	206.4	67.73	1472.
#1	.0058	.0170	.0181	-.0060	-.0002	-.0003	-.0212
#2	.0161	.0012	-.0021	-.0001	.0009	-.0007	.0257
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0250	.0028	-.0030	-.0008	.0001	.0247
Stddev	.0021	.0031	.0001	.0010	.0001	.0637
%RSD	8.587	114.3	3.305	118.7	218.7	257.6
#1	-.0235	.0005	-.0030	-.0001	.0001	-.0203
#2	-.0266	.0050	-.0029	-.0016	.0000	.0698
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB2 Run Time: 11/14/06 13:10

Int. Std.	Sc3572
Units	Cts/S
Avg	338.04
Stddev	1.10
%RSD	.32517
#1	337.26
#2	338.81

Method: INTSTD6C Sample Name: K0608951-002 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:13 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1649	.0131	.1103	.0080	.0001	.0378	.0524
#1	.1451	.0157	.1097	.0079	.0000	.0384	.0529
#2	.1846	.0105	.1108	.0080	.0002	.0372	.0520

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	14.43	-.0015	.0027	5.513	.9254	-.0022	6.710
#1	14.45	-.0018	.0024	5.528	.9235	.0003	6.716
#2	14.42	-.0012	.0030	5.497	.9273	-.0046	6.704

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0655	.0138	.0060	73.18	.0381	.0302	81.61
#1	.0653	.0164	.0075	73.32	.0368	.0271	81.57
#2	.0657	.0112	.0046	73.04	.0394	.0333	81.65

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	.0067	.5050	57.21	.2348	.0062	-.2899
#1	-.0006	.0026	.5031	57.01	.2336	.0062	-.2951
#2	.0034	.0108	.5070	57.42	.2360	.0063	-.2847

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0026	.1392	>90.00
#1	.0042	.1393	>90.00
#2	.0010	.1392	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	369.80
#1	370.50
#2	369.11

Method: INTSTD6C Sample Name: K0608951-003 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:16 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	-.0004	.1229	.0045	.0004	.0337	.0692
#1	-.0733	-.0251	.1294	.0040	.0003	.0347	.0691
#2	.0778	.0244	.1163	.0049	.0004	.0327	.0693

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.09	-.0001	.0019	3.864	.8585	-.0044	7.671
#1	19.02	.0013	.0018	3.855	.8601	.0023	7.640
#2	19.17	-.0014	.0019	3.873	.8569	-.0111	7.702

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0734	.0102	.0021	61.91	.0504	.0301	115.3
#1	.0733	.0098	.0031	61.76	.0394	.0224	115.0
#2	.0735	.0106	.0011	62.07	.0613	.0378	115.5

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0074	.0039	.6701	51.88	.0779	.0038	-.3109
#1	.0090	.0017	.6706	52.83	.0758	.0030	-.2991
#2	.0059	.0062	.6697	50.94	.0800	.0047	-.3228

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0027	.1608	>90.00
#1	.0047	.1605	>90.00
#2	.0008	.1611	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	365.81
#1	365.90
#2	365.71

Method: INTSTD6C Sample Name: K0608951-004 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:19 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0767	.0352	.1654	.0037	.0002	.0325	.0707
#1	.0546	.0396	.1596	.0039	.0001	.0352	.0704
#2	.0988	.0307	.1713	.0035	.0002	.0299	.0709

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.95	-.0029	.0013	5.640	.7920	-.0084	7.752
#1	18.96	-.0023	.0013	5.663	.7921	-.0083	7.771
#2	18.95	-.0034	.0013	5.616	.7920	-.0085	7.733

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0604	.0087	.0175	57.14	.0342	.0250	97.88
#1	.0602	.0094	.0175	57.17	.0252	.0278	98.11
#2	.0605	.0081	.0175	57.12	.0433	.0222	97.66

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0043	.6419	48.08	.3760	.0044	-.2951
#1	-.0020	.0037	.6417	47.95	.3752	.0027	-.3002
#2	.0067	.0048	.6421	48.20	.3768	.0061	-.2900

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0036	.1752	>90.00
#1	.0044	.1751	>90.00
#2	.0028	.1752	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	365.21
#1	366.11
#2	364.31

Method: INTSTD6C Sample Name: K0608951-005 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:24 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0131	.0213	.2432	.0026	.0001	.0240	.1573
#1	.0179	.0320	.2404	.0029	.0001	.0216	.1586
#2	.0083	.0106	.2461	.0023	.0002	.0264	.1560

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.863	10.05	-.0017	.0021	3.004	.5202	-.0041
#1	9.830	10.10	-.0004	.0025	2.982	.5256	-.0014
#2	9.895	10.00	-.0029	.0018	3.025	.5148	-.0068

Elem	Mg2852	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.373	.0463	.0115	.0135	50.58	.0568	.0651
#1	5.332	.0465	.0088	.0140	50.40	.0601	.0633
#2	5.414	.0461	.0142	.0130	50.76	.0536	.0668

Elem	Na5895	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	81.36	.0073	-.0032	.5546	42.49	.0527	.0078
#1	81.17	.0067	-.0017	.5591	43.08	.0558	.0097
#2	81.56	.0080	-.0048	.5501	41.89	.0496	.0059

Elem	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm
Avg	-.4356	.0050	.1109	>90.00
#1	-.4210	.0036	.1106	>90.00
#2	-.4502	.0063	.1111	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	364.89
#1	363.20
#2	366.58

Method: INTSTD6C Sample Name: K0608951-006 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0511	.0219	.1606	.0028	.0001	.0301	.0839
#1	.0663	.0372	.1667	.0027	.0003	.0313	.0846
#2	.0360	.0066	.1546	.0028	.0000	.0289	.0832

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.85	-.0037	.0018	3.763	.7620	-.0039	7.515
#1	25.91	-.0058	.0008	3.743	.7677	-.0065	7.474
#2	25.78	-.0015	.0029	3.783	.7563	-.0012	7.557

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0501	.0102	.0121	44.41	.0407	.0529	119.6
#1	.0505	.0117	.0120	44.08	.0459	.0504	119.5
#2	.0498	.0088	.0122	44.75	.0355	.0553	119.6

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	-.0022	.5655	47.41	.1223	.0013	-.4267
#1	.0087	-.0020	.5705	47.38	.1221	.0040	-.4269
#2	.0029	-.0023	.5605	47.44	.1225	-.0014	-.4265

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0045	.2133	>90.00
#1	.0047	.2131	>90.00
#2	.0044	.2135	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	367.48
#1	364.74
#2	370.22

Method: INTSTD6C Sample Name: K0608951-008 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:30 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3705	.0092	.1354	.0074	.0003	.0282	.1126
#1	.3847	.0105	.1380	.0076	.0003	.0262	.1119
#2	.3563	.0079	.1329	.0073	.0003	.0302	.1134

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	46.77	.0006	.0019	8.590	.8837	.0075	7.199
#1	46.70	-.0013	.0021	8.600	.8816	.0103	7.220
#2	46.83	.0024	.0016	8.579	.8859	.0048	7.177

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0751	.0132	.0044	53.52	.0452	.0313	96.13
#1	.0751	.0135	.0057	53.64	.0433	.0329	95.91
#2	.0751	.0128	.0032	53.41	.0471	.0296	96.35

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0039	.0012	.7828	51.17	.6489	.0213	-.3362
#1	-.0046	-.0013	.7801	50.89	.6448	.0202	-.3579
#2	-.0032	.0036	.7855	51.45	.6529	.0224	-.3144

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0035	.4184	>90.00
#1	.0041	.4175	>90.00
#2	.0029	.4193	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	369.03
#1	370.70
#2	367.36

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Method: INTSTD6C Sample Name: K0608951-009 Operator: WM
Comment: 70978
Run Time: 11/14/06 13:32 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2083	.0061	.1418	.0039	.0000	.0298	.1607
#1	.1899	-.0288	.1502	.0041	-.0001	.0299	.1609
#2	.2267	.0409	.1334	.0036	.0000	.0296	.1605

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.90	-.0001	.0026	6.723	.6600	-.0046	7.065
#1	16.96	.0006	.0020	6.703	.6602	-.0103	7.049
#2	16.83	-.0009	.0031	6.743	.6598	.0011	7.080

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0737	.0136	.0023	53.45	.0626	.0487	111.4
#1	.0741	.0156	.0010	53.35	.0627	.0506	111.6
#2	.0733	.0115	.0037	53.55	.0626	.0467	111.3

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0023	2.302	48.26	.3421	.0072	-.2787
#1	.0103	.0011	2.313	47.99	.3441	.0086	-.2950
#2	-.0032	.0036	2.291	48.54	.3401	.0058	-.2624

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0038	.2038	>90.00
#1	.0012	.2041	>90.00
#2	.0065	.2035	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	367.82
#1	366.28
#2	369.37

Method: INTSTD6C Sample Name: K0608951-009A Operator: WM
Comment: 70978 Cr, Cu, Zn=10 ppm
Run Time: 11/14/06 13:37 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1921	.1391	.1445	.0064	.0002	.0283	.1584
#1	.2177	.1621	.1530	.0064	.0001	.0289	.1580
#2	.1666	.1160	.1359	.0064	.0002	.0277	.1589

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.55	9.967	.0036	18.50	.6905	-.0044	6.917
#1	16.55	9.954	.0045	18.48	.6876	-.0045	6.936
#2	16.56	9.980	.0026	18.51	.6935	-.0042	6.898

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0733	.0068	.0015	51.41	.0426	.0418	109.0
#1	.0734	.0061	.0015	51.61	.0394	.0414	108.7
#2	.0732	.0075	.0015	51.22	.0458	.0422	109.2

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	.0007	13.36	47.79	.3496	.0095	-.2458
#1	.0062	.0021	13.33	47.72	.3500	.0100	-.2427
#2	.0034	-.0007	13.39	47.87	.3491	.0090	-.2490

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0032	.2012	>90.00
#1	.0030	.2014	>90.00
#2	.0034	.2011	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	365.61
#1	366.36
#2	364.86

Cr = MET1 51-E
Cu = MET1-50-E
Zn = MET1-50-B

Method: INTSTD6C Sample Name: K0608951-009L Operator: WM
Comment: 70978 1/5 DILUTION
Run Time: 11/14/06 13:45 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0440	.0262	.0081	.0011	.0001	.0055	.0328
#1	.0347	.0205	.0053	.0009	.0000	.0035	.0330
#2	.0533	.0319	.0109	.0012	.0002	.0075	.0325

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.369	-.0016	.0001	1.327	.1369	.0055	1.400
#1	3.368	-.0021	-.0001	1.323	.1359	.0022	1.400
#2	3.370	-.0011	.0002	1.331	.1379	.0088	1.400

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0149	.0058	.0007	9.551	.0220	.0154	22.56
#1	.0152	.0040	.0015	9.553	.0316	.0250	22.53
#2	.0147	.0077	-.0001	9.549	.0123	.0059	22.59

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0006	-.0041	.4572	9.366	.0507	.0014	-.0387
#1	-.0028	-.0054	.4577	9.501	.0472	.0007	-.0226
#2	.0040	-.0027	.4568	9.231	.0541	.0020	-.0547

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0019	.0410	22.50
#1	.0026	.0409	22.63
#2	.0011	.0410	22.36

Int. Std.	Sc3572
Units	Cts/S
Avg	358.12
#1	358.60
#2	357.63

Method: INTSTD6C Sample Name: PBS Operator: WM
Comment: 70978 K0608915
Run Time: 11/14/06 13:55 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0162	-.0188	-.0093	-.0002	.0000	-.0023	.0002
#1	.0348	-.0214	-.0119	-.0002	.0000	-.0029	.0001
#2	-.0024	-.0162	-.0068	-.0003	.0000	-.0018	.0004

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1112	-.0013	.0000	.0003	-.0001	-.0063	.0216
#1	.1129	.0001	-.0002	.0039	-.0001	-.0072	.0222
#2	.1095	-.0027	.0002	-.0033	-.0001	-.0054	.0209

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0058	-.0004	.0727	-.0006	.0063	.0310
#1	-.0003	.0046	-.0005	.1221	.0123	.0101	.0249
#2	.0001	.0069	-.0003	.0232	-.0136	.0025	.0370

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	-.0031	-.0027	.0135	-.0336	.0010	-.0058
#1	.0052	.0014	-.0022	.0049	-.0281	.0022	-.0146
#2	-.0041	-.0075	-.0032	.0220	-.0392	-.0001	.0030

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0012	.0007	.0608
#1	.0019	.0006	.0291
#2	.0005	.0008	.0925

Int. Std.	Sc3572
Units	Cts/S
Avg	345.24
#1	347.06
#2	343.42

Method: INTSTD6C Sample Name: CCVA3 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:01 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5391	.5247	.4855	.4737	.4901	.5045	.4896
Stddev	.0050	.0439	.0193	.0032	.0005	.0005	.0025
%RSD	.9337	8.367	3.977	.6768	.1100	.1035	.5006
#1	.5426	.5557	.4991	.4760	.4904	.5048	.4914
#2	.5355	.4936	.4718	.4714	.4897	.5041	.4879
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5179	.4865	.4837	.4983	.5246	.4882	2.496
Stddev	.0023	.0058	.0039	.0001	.0025	.0029	.003
%RSD	.4498	1.201	.8087	.0268	.4685	.6028	.1043
#1	.5163	.4906	.4864	.4982	.5263	.4903	2.498
#2	.5196	.4823	.4809	.4984	.5229	.4862	2.494
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4784	.4790	.4784	4.965	.4944	.4616	.5520
Stddev	.0028	.0005	.0026	.004	.0109	.0031	.0139
%RSD	.5949	.0951	.5517	.0786	2.207	.6632	2.511
#1	.4804	.4793	.4803	4.968	.4867	.4594	.5422
#2	.4764	.4787	.4766	4.962	.5021	.4637	.5618
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5012	.4712	.4883	.0072	.2425	.4829	.5010
Stddev	.0038	.0003	.0032	.0089	.0034	.0019	.0175
%RSD	.7665	.0572	.6505	123.5	1.410	.3874	3.484
#1	.4985	.4710	.4905	.0009	.2401	.4816	.4886
#2	.5039	.4714	.4860	.0135	.2449	.4842	.5133
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0030	.0009	.2200
Stddev	.0040	.0000	.0424
%RSD	134.9	.5554	19.26
#1	.0059	.0009	.1901
#2	.0001	.0009	.2500
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA3 Run Time: 11/14/06 14:01

Int. Std.	Sc3572
Units	Cts/S
Avg	347.49
Stddev	.73
%RSD	.20950
#1	348.00
#2	346.97

Method: INTSTD6C Sample Name: CCVB3 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:04 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.088	.0046	-.0190	2.424	.0477	.0641	.0011
Stddev	.076	.0010	.0078	.017	.0002	.0008	.0002
%RSD	1.488	20.70	41.28	.6815	.4092	1.280	18.18
#1	5.141	.0040	-.0245	2.435	.0476	.0635	.0012
#2	5.034	.0053	-.0134	2.412	.0479	.0647	.0009
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.42	-.0014	-.0017	-.0023	25.04	-.0034	24.35
Stddev	.08	.0006	.0010	.0009	.02	.0069	.04
%RSD	.3238	40.29	62.01	38.95	.0966	203.2	.1576
#1	24.36	-.0010	-.0009	-.0017	25.06	.0015	24.38
#2	24.47	-.0019	-.0024	-.0030	25.02	-.0083	24.32
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0058	-.0025	9.371	.0252	.0049	9.835
Stddev	.0002	.0018	.0023	.019	.0183	.0105	.039
%RSD	22.82	31.38	90.23	.2050	72.54	214.4	.4002
#1	.0009	.0045	-.0041	9.357	.0123	-.0025	9.807
#2	.0012	.0071	-.0009	9.385	.0381	.0123	9.862
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	-.0036	.0011	2.509	2.523	.0018	-.0139
Stddev	.0010	.0009	.0010	.066	.001	.0006	.0454
%RSD	28.91	24.16	89.36	2.619	.0495	31.95	327.6
#1	.0040	-.0029	.0004	2.555	2.522	.0014	.0183
#2	.0027	-.0042	.0017	2.463	2.523	.0022	-.0460
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4669	.4963	5.301
Stddev	.0016	.0022	.033
%RSD	.3385	.4353	.6155
#1	.4658	.4948	5.324
#2	.4680	.4978	5.277
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB3 Run Time: 11/14/06 14:04

Int. Std.	Sc3572
Units	Cts/S
Avg	341.07
Stddev	.01
%RSD	.00333
#1	341.08
#2	341.06

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Method: INTSTD6C Sample Name: CCB3 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:07 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0117	-.0189	-.0038	.0001	-.0001	-.0008	-.0009
Stddev	.0065	.0250	.0086	.0002	.0000	.0010	.0002
%RSD	55.87	132.1	226.1	128.3	60.46	130.8	24.23
#1	-.0163	-.0366	.0023	.0000	.0000	-.0001	-.0010
#2	-.0071	-.0012	-.0098	.0003	-.0001	-.0015	-.0007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0050	.0422	-.0028	.0001	.0024	.0011	-.0164
Stddev	.0008	.0262	.0000	.0003	.0085	.0008	.0018
%RSD	17.02	61.99	.0258	508.0	354.3	73.33	11.22
#1	.0044	.0607	-.0028	-.0002	-.0036	.0017	-.0151
#2	.0056	.0237	-.0028	.0003	.0085	.0005	-.0177
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0014	L -.0619	.0003	.0001	.0020	.0008	.0384
Stddev	.0081	.0495	.0015	.0001	.0052	.0020	.0104
%RSD	565.5	80.00	570.8	60.37	268.5	256.5	27.09
#1	-.0072	-.0269	-.0008	.0002	.0057	.0022	.0457
#2	.0043	-.0970	.0013	.0001	-.0018	-.0006	.0310
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0084	.0093	.0166	.0080	-.0022	.0001	.0085
Stddev	.0000	.0029	.0006	.0006	.0009	.0001	.0128
%RSD	.0304	31.23	3.421	7.343	40.66	120.1	149.7
#1	-.0084	.0072	.0162	.0076	-.0016	.0002	.0176
#2	-.0084	.0113	.0170	.0084	-.0029	.0000	-.0005
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0349	.0001	.0084	-.0016	.0001	.0079
Stddev	.0022	.0008	.0020	.0007	.0000	.0123
%RSD	6.332	663.4	23.70	43.72	21.97	156.4
#1	-.0333	-.0005	.0070	-.0020	.0001	-.0008
#2	-.0365	.0007	.0098	-.0011	.0001	.0166
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB3 Run Time: 11/14/06 14:07

Int. Std.	Sc3572
Units	Cts/S
Avg	339.12
Stddev	.16
%RSD	.04714
#1	339.23
#2	339.01

Method: INTSTD6C Sample Name: LCSS Operator: WM
Comment: 70978 K0608915 DOLT
Run Time: 11/14/06 14:13 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2933	.0318	.0749	.0019	.0000	.0530	.1930
#1	.2815	.0267	.0787	.0014	-.0001	.0519	.1948
#2	.3050	.0370	.0711	.0024	.0000	.0541	.1912

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.515	.0386	.0022	.3377	15.64	.0033	12.18
#1	5.522	.0394	.0018	.3414	15.71	-.0024	12.20
#2	5.507	.0378	.0027	.3340	15.56	.0090	12.17

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0946	.0345	.0293	115.9	.0665	.0223	86.58
#1	.0951	.0330	.0302	115.9	.0665	.0228	86.67
#2	.0941	.0361	.0284	115.9	.0665	.0218	86.50

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	-.0027	.9345	143.4	.2153	.0031	-.1767
#1	-.0035	-.0037	.9395	142.8	.2168	.0034	-.1983
#2	.0098	-.0017	.9294	144.0	.2138	.0029	-.1552

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0013	.0385	>90.00
#1	.0030	.0385	>90.00
#2	-.0003	.0384	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	361.06
#1	360.29
#2	361.84

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Method: INTSTD6C Sample Name: LCSS Operator: WM
Comment: 70978 K0608915 DORM
Run Time: 11/14/06 14:16 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1339	.0049	.1611	.0259	.0000	.0103	.0008
#1	.1036	.0036	.1568	.0259	.0001	.0110	.0002
#2	.1642	.0063	.1654	.0259	.0000	.0095	.0013

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.914	.3050	.0010	.0250	1.454	-.0108	10.21
#1	4.898	.3060	.0003	.0284	1.450	-.0149	10.24
#2	4.930	.3040	.0017	.0216	1.458	-.0068	10.18

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0332	.0059	.1666	167.9	.0195	-.0068	45.29
#1	.0329	.0036	.1657	168.3	.0253	-.0083	45.33
#2	.0335	.0082	.1675	167.5	.0137	-.0052	45.25

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0091	-.0051	.2399	96.80	.1707	-.0007	-.2696
#1	.0092	-.0032	.2382	96.32	.1696	-.0007	-.2949
#2	.0090	-.0071	.2417	97.27	.1718	-.0006	-.2444

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0016	.0231	>90.00
#1	.0021	.0231	>90.00
#2	.0012	.0231	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	366.99
#1	367.82
#2	366.16

Method: INTSTD6C Sample Name: K0608915-001 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:21 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.655	.0366	.0588	.0284	.0002	.1860	.0107
#1	5.640	.0188	.0576	.0296	.0002	.1852	.0108
#2	5.671	.0543	.0601	.0273	.0002	.1867	.0105

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	87.12	.0247	.0095	.2823	15.87	.0015	61.85
#1	87.25	.0243	.0103	.2798	15.89	.0024	61.98
#2	86.99	.0251	.0088	.2848	15.85	.0006	61.71

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1543	.0119	.0202	103.1	.0162	.0039	>180.0
#1	.1541	.0115	.0213	103.4	.0355	.0085	>180.0
#2	.1545	.0123	.0190	102.8	-.0032	-.0006	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0172	.0321	1.337	67.07	1.287	.2836	-.2672
#1	.0146	.0294	1.336	68.41	1.297	.2817	-.2627
#2	.0199	.0349	1.339	65.74	1.276	.2855	-.2718

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0161	.9898	>90.00
#1	.0168	.9896	>90.00
#2	.0153	.9900	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	353.06
#1	353.66
#2	352.46

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Method: INTSTD6C Sample Name: K0608915-002 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:23 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.937	-.0034	.1095	.0072	.0000	.1448	.0056
#1	2.005	-.0053	.1141	.0073	.0000	.1431	.0054
#2	1.868	-.0015	.1050	.0071	.0000	.1465	.0057

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.95	.0202	.0048	.0846	3.482	.0024	31.04
#1	25.02	.0211	.0057	.0893	3.501	.0016	30.99
#2	24.89	.0193	.0040	.0799	3.464	.0033	31.08

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0839	.0067	.0270	135.8	.0065	.0081	138.1
#1	.0843	.0071	.0283	135.9	.0071	.0028	138.2
#2	.0836	.0063	.0256	135.7	.0058	.0133	137.9

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0016	.0102	.6957	95.24	.7014	.0835	-.2542
#1	-.0015	.0106	.6954	94.83	.7018	.0838	-.2862
#2	-.0017	.0099	.6959	95.65	.7010	.0832	-.2221

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0067	.2417	>90.00
#1	.0076	.2421	>90.00
#2	.0058	.2414	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	369.12
#1	368.59
#2	369.65

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Method: INTSTD6C Sample Name: K0608915-003 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4825	.0202	.1637	.0055	.0001	.1884	.0060
#1	.4581	.0164	.1723	.0050	.0000	.1876	.0060
#2	.5069	.0240	.1551	.0060	.0001	.1892	.0061

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.66	.0110	.0032	.0799	1.354	.0088	31.26
#1	21.53	.0095	.0029	.0766	1.347	.0080	31.32
#2	21.79	.0124	.0034	.0833	1.361	.0096	31.21

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0623	.0053	.0197	129.3	-.0026	.0155	157.2
#1	.0618	.0053	.0201	129.4	-.0226	.0172	156.6
#2	.0628	.0054	.0193	129.1	.0174	.0139	157.7

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	.0008	.7109	89.47	.5986	.0217	-.2107
#1	.0018	.0020	.7063	90.39	.5960	.0208	-.2049
#2	.0007	-.0004	.7155	88.55	.6011	.0226	-.2165

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0050	.2372	>90.00
#1	.0042	.2365	>90.00
#2	.0059	.2379	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	362.47
#1	364.36
#2	360.57

Method: INTSTD6C Sample Name: K0608915-004 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:31 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.496	.0106	.1270	.0170	.0002	.1885	.0063
#1	5.494	.0043	.1099	.0175	.0002	.1892	.0058
#2	5.498	.0170	.1442	.0165	.0003	.1879	.0067

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	36.66	.0445	.0065	.0888	6.500	.0001	36.01
#1	36.54	.0444	.0071	.0957	6.491	-.0027	36.09
#2	36.78	.0445	.0059	.0819	6.509	.0029	35.93

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1276	.0061	.0487	131.1	.0246	.0202	174.2
#1	.1270	.0050	.0495	131.0	.0265	.0201	173.7
#2	.1282	.0071	.0480	131.3	.0226	.0203	174.7

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0248	.7319	86.08	.8896	.2239	-.2136
#1	.0091	.0233	.7268	86.80	.8860	.2262	-.1907
#2	-.0027	.0263	.7371	85.36	.8933	.2216	-.2364

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0093	.3621	>90.00
#1	.0095	.3611	>90.00
#2	.0091	.3632	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	359.82
#1	361.33
#2	358.32

Method: INTSTD6C Sample Name: K0608915-004D Operator: WM
Comment: 70978
Run Time: 11/14/06 14:34 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.125	.0426	.1283	.0174	.0001	.1819	.0058
#1	6.084	.0421	.1144	.0172	.0001	.1828	.0051
#2	6.165	.0431	.1421	.0176	.0002	.1810	.0066

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	35.29	.0663	.0057	.0854	6.473	-.0073	35.48
#1	35.25	.0664	.0053	.0805	6.480	-.0114	35.52
#2	35.33	.0662	.0060	.0903	6.465	-.0033	35.44

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1281	.0096	.0584	129.2	.0065	.0256	170.0
#1	.1281	.0145	.0580	128.6	.0084	.0287	170.0
#2	.1280	.0048	.0588	129.8	.0046	.0225	170.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.0233	.7133	82.65	.8884	.2293	-.2154
#1	.0058	.0175	.7130	82.95	.8864	.2299	-.2159
#2	.0055	.0290	.7136	82.35	.8905	.2288	-.2148

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0075	.3637	>90.00
#1	.0076	.3640	>90.00
#2	.0073	.3634	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	363.84
#1	362.98
#2	364.70

Method: INTSTD6C Sample Name: K0608915-004S Operator: WM
Comment: 70978
Run Time: 11/14/06 14:36 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.189	.4632	.2984	1.939	.0491	.3691	.0545
#1	9.162	.4658	.2964	1.940	.0489	.3703	.0543
#2	9.215	.4606	.3004	1.937	.0492	.3680	.0547

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.15	.2494	.4890	.3364	7.855	.4693	35.31
#1	37.15	.2498	.4900	.3331	7.847	.4686	35.44
#2	37.15	.2491	.4880	.3398	7.863	.4700	35.19

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6076	.1607	.5306	128.2	.1721	.0452	170.4
#1	.6069	.1615	.5308	128.4	.1740	.0467	170.2
#2	.6083	.1600	.5303	128.0	.1701	.0436	170.7

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	.5062	1.207	83.08	1.216	.2913	-.0538
#1	.0046	.5014	1.207	82.45	1.214	.2921	-.0516
#2	.0072	.5109	1.207	83.70	1.218	.2905	-.0560

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0094	.3742	>90.00
#1	.0099	.3738	>90.00
#2	.0089	.3746	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	358.67
#1	359.57
#2	357.77

Method: INTSTD6C Sample Name: K0608915-005 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:42 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.114	.0398	.2591	.0131	.0004	.2564	.0096
#1	8.078	.0189	.2407	.0137	.0004	.2566	.0097
#2	8.150	.0606	.2775	.0124	.0004	.2563	.0095

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	51.18	.0770	.0126	.3151	17.51	-.0042	51.88
#1	51.34	.0768	.0125	.3158	17.52	-.0067	52.00
#2	51.02	.0771	.0126	.3144	17.51	-.0016	51.76

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2253	.0074	.0612	99.67	-.0077	.0073	>180.0
#1	.2257	.0087	.0607	99.67	.0123	.0004	>180.0
#2	.2249	.0060	.0618	99.67	-.0277	.0142	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0062	.0542	.7579	78.61	1.019	.5201	-.3257
#1	.0100	.0515	.7592	79.34	1.010	.5193	-.3408
#2	.0024	.0568	.7566	77.89	1.028	.5209	-.3106

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0105	.5522	>90.00
#1	.0099	.5522	>90.00
#2	.0111	.5522	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	360.41
#1	359.86
#2	360.95

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Method: INTSTD6C Sample Name: K0608915-006 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:44 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	19.42	.0512	.0540	.0474	.0007	.2965	.0087
#1	19.48	.0359	.0686	.0475	.0007	.2997	.0087
#2	19.37	.0665	.0394	.0473	.0008	.2933	.0087

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	76.77	.0558	.0182	.3777	41.30	-.0063	71.03
#1	76.49	.0566	.0181	.3725	41.27	-.0144	71.35
#2	77.05	.0549	.0183	.3828	41.33	.0019	70.70

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4764	.0146	.0359	100.7	.0233	.0042	>180.0
#1	.4765	.0140	.0355	100.9	.0187	-.0017	>180.0
#2	.4763	.0152	.0363	100.5	.0278	.0100	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0038	.1604	1.049	62.77	1.609	.8996	-.2702
#1	.0000	.1582	1.048	62.50	1.606	.8967	-.2880
#2	-.0075	.1627	1.050	63.04	1.613	.9025	-.2525

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0196	1.019	>90.00
#1	.0209	1.017	>90.00
#2	.0184	1.022	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	362.89
#1	363.75
#2	362.03

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Method: INTSTD6C Sample Name: CCVA4 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:47 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5413	.5393	.4723	.4711	.4924	.4917	.4853
Stddev	.1100	.0305	.0221	.0022	.0007	.0037	.0024
%RSD	20.33	5.659	4.670	.4715	.1426	.7478	.5006
#1	.4635	.5609	.4567	.4726	.4919	.4943	.4871
#2	.6191	.5177	.4879	.4695	.4929	.4891	.4836
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5200	.4874	.4828	.5023	.5203	.4913	2.511
Stddev	.0015	.0069	.0035	.0009	.0072	.0027	.015
%RSD	.2967	1.413	.7313	.1849	1.386	.5508	.6157
#1	.5211	.4922	.4853	.5030	.5254	.4932	2.500
#2	.5189	.4825	.4803	.5016	.5152	.4894	2.522
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4741	.4834	.4805	5.052	.5214	.4704	.6056
Stddev	.0028	.0041	.0048	.049	.0074	.0040	.0216
%RSD	.5844	.8537	1.005	.9627	1.412	.8537	3.564
#1	.4760	.4863	.4839	5.086	.5266	.4733	.6208
#2	.4721	.4804	.4771	5.017	.5162	.4676	.5903
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4967	.4724	.4842	.0121	.2992	.4829	.4851
Stddev	.0136	.0020	.0033	.0095	.0061	.0005	.0170
%RSD	2.745	.4337	.6816	78.52	2.047	.1026	3.510
#1	.5064	.4710	.4866	.0054	.3035	.4832	.4730
#2	.4871	.4739	.4819	.0189	.2948	.4825	.4971
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0009	.0009	.5061
Stddev	.0001	.0000	.1475
%RSD	5.440	.4469	29.15
#1	.0009	.0009	.6104
#2	.0010	.0009	.4018
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA4 Run Time: 11/14/06 14:47

Int. Std.	Sc3572
Units	Cts/S
Avg	350.11
Stddev	.93
%RSD	.26512
#1	349.45
#2	350.76

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Method: INTSTD6C Sample Name: CCVB4 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:50 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.994	-.0063	-.0102	2.414	.0474	.0711	.0007
Stddev	.021	.0359	.0025	.007	.0002	.0004	.0005
%RSD	.4291	574.0	24.64	.3040	.3659	.5302	75.62
#1	5.009	.0191	-.0120	2.409	.0473	.0714	.0010
#2	4.979	-.0316	-.0084	2.420	.0475	.0709	.0003
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.25	-.0013	-.0009	-.0040	24.62	-.0064	24.35
Stddev	.06	.0010	.0014	.0011	.17	.0069	.08
%RSD	.2273	74.92	163.7	28.16	.6789	108.2	.3356
#1	24.29	-.0020	.0001	-.0032	24.50	-.0015	24.41
#2	24.21	-.0006	-.0018	-.0048	24.74	-.0113	24.30
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0011	.0017	-.0031	9.552	-.0142	.0010	9.678
Stddev	.0000	.0000	.0031	.058	.0320	.0085	.010
%RSD	.6485	.4107	100.7	.6083	224.9	870.7	.1035
#1	.0011	.0017	-.0053	9.593	.0084	-.0051	9.670
#2	.0011	.0018	-.0009	9.511	-.0368	.0070	9.685
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0070	.0009	2.559	2.509	.0005	-.0045
Stddev	.0018	.0008	.0005	.022	.008	.0031	.0028
%RSD	1222.	12.02	50.75	.8432	.3304	663.7	62.20
#1	.0014	-.0076	.0013	2.574	2.515	-.0017	-.0064
#2	-.0011	-.0064	.0006	2.544	2.503	.0027	-.0025
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4675	.4885	5.425
Stddev	.0012	.0012	.014
%RSD	.2533	.2522	.2569
#1	.4683	.4876	5.415
#2	.4666	.4894	5.435
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB4 Run Time: 11/14/06 14:50

Int. Std.	Sc3572
Units	Cts/S
Avg	344.79
Stddev	1.93
%RSD	.55842
#1	346.15
#2	343.43

Method: INTSTD6C Sample Name: CCB4 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:55 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0337	-.0208	-.0151	.0005	.0000	.0006	.0004
Stddev	.0082	.0027	.0032	.0006	.000	.0020	.0001
%RSD	24.20	13.12	21.21	129.8	112.7	357.0	37.82
#1	.0280	-.0227	-.0129	.0009	-.0001	-.0008	.0003
#2	.0395	-.0189	-.0174	.0000	.0000	.0020	.0004
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0064	-.0025	-.0005	-.0014	.0027	-.0058
Stddev	.0020	.0075	.0013	.0005	.0029	.0021	.0293
%RSD	429.1	117.3	51.58	106.1	205.5	78.39	503.0
#1	-.0010	.0117	-.0016	-.0001	.0006	.0043	.0149
#2	.0019	.0011	-.0034	-.0009	-.0035	.0012	-.0265
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	-.0134	.0061	.0003	.0032	-.0005	H .1851
Stddev	.0092	.0094	.0040	.0002	.0000	.0014	.0217
%RSD	207.7	70.50	65.71	50.04	.2704	261.1	11.75
#1	-.0021	-.0067	.0090	.0004	.0032	-.0016	.2005
#2	.0109	-.0201	.0033	.0002	.0032	.0005	.1697
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0097	.0061	.0303	.0052	-.0054	-.0011	.0135
Stddev	.0219	.0048	.0148	.0027	.0028	.0001	.0032
%RSD	226.4	78.61	48.77	51.67	51.48	10.92	23.83
#1	.0252	.0027	.0198	.0033	-.0035	-.0010	.0158
#2	-.0058	.0095	.0407	.0071	-.0074	-.0012	.0113
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0233	.0010	.0067	.0028	.0000	.1308
Stddev	.0082	.0003	.0242	.0003	.000	.0386
%RSD	35.32	26.74	359.5	11.01	670.8	29.48
#1	-.0175	.0012	.0239	.0030	.0000	.1035
#2	-.0292	.0008	-.0104	.0026	.0000	.1581
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB4 Run Time: 11/14/06 14:55

Int. Std.	Sc3572
Units	Cts/S
Avg	347.02
Stddev	1.04
%RSD	.29932
#1	346.28
#2	347.75

Method: INTSTD6C Sample Name: K0608915-007 Operator: WM
Comment: 70978
Run Time: 11/14/06 14:58 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.257	.0324	.1559	.0099	.0001	.2034	.0058
#1	4.215	.0286	.1572	.0099	.0001	.2040	.0055
#2	4.299	.0363	.1547	.0100	.0002	.2028	.0060

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	33.29	.0344	.0092	.1788	10.15	-.0055	42.97
#1	33.18	.0348	.0104	.1766	10.10	-.0001	43.02
#2	33.41	.0340	.0079	.1809	10.19	-.0110	42.93

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1235	.0073	.0429	120.8	.0116	.0010	>180.0
#1	.1226	.0072	.0415	121.1	.0304	.0024	>180.0
#2	.1243	.0073	.0442	120.5	-.0071	-.0003	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0321	.7722	96.06	.8706	.2323	-.2335
#1	-.0025	.0308	.7688	94.58	.8562	.2314	-.2348
#2	.0055	.0335	.7756	97.55	.8850	.2332	-.2322

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0085	.3839	>90.00
#1	.0078	.3839	>90.00
#2	.0091	.3839	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	361.39
#1	362.33
#2	360.45

Method: INTSTD6C Sample Name: K0608915-006L Operator: WM
Comment: 70978 1/5 DILUTION
Run Time: 11/14/06 15:06 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.942	.0024	-.0020	.0105	.0002	.0579	.0018
#1	3.967	.0062	-.0048	.0104	.0002	.0567	.0017
#2	3.917	-.0014	.0008	.0105	.0001	.0590	.0019

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.44	.0097	.0031	.0764	8.668	-.0091	13.80
#1	15.44	.0101	.0026	.0706	8.679	-.0070	13.74
#2	15.45	.0094	.0037	.0823	8.657	-.0112	13.87

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0957	.0043	.0066	18.98	.0065	-.0050	83.57
#1	.0962	.0050	.0076	18.98	.0006	-.0033	83.64
#2	.0952	.0036	.0056	18.97	.0123	-.0068	83.51

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0073	.0301	.2082	12.66	3.005	.1938	-.0099
#1	-.0005	.0289	.2084	12.54	2.992	.1953	-.0139
#2	.0152	.0313	.2081	12.77	3.018	.1924	-.0058

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0038	.2036	50.42
#1	.0047	.2039	50.18
#2	.0029	.2033	50.66

Int. Std.	Sc3572
Units	Cts/S
Avg	364.21
#1	362.53
#2	365.90

Method: INTSTD6C Sample Name: CCVA5 Operator: WM
Comment: 70978
Run Time: 11/14/06 15:11 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5669	.5270	.4751	.4569	.4745	.5014	.4709
Stddev	.0540	.0029	.0045	.0020	.0073	.0016	.0030
%RSD	9.519	.5557	.9438	.4442	1.531	.3164	.6277
#1	.6051	.5250	.4783	.4554	.4694	.5026	.4688
#2	.5287	.5291	.4720	.4583	.4797	.5003	.4730
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5001	.4737	.4656	.5042	.5153	.4896	2.502
Stddev	.0128	.0042	.0027	.0015	.0041	.0033	.009
%RSD	2.555	.8803	.5783	.2961	.7917	.6703	.3538
#1	.4911	.4708	.4637	.5031	.5124	.4873	2.495
#2	.5091	.4767	.4675	.5052	.5182	.4920	2.508
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4643	.4646	.4605	4.974	.4879	.4539	.5385
Stddev	.0026	.0063	.0014	.010	.0272	.0025	.0160
%RSD	.5534	1.365	.2932	.1944	5.585	.5460	2.963
#1	.4625	.4601	.4595	4.981	.5071	.4557	.5498
#2	.4661	.4691	.4614	4.967	.4686	.4522	.5273
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4899	.4553	.4726	-.0032	.2526	.4699	.4759
Stddev	.0016	.0063	.0046	.0071	.0067	.0065	.0317
%RSD	.3325	1.379	.9694	222.2	2.667	1.384	6.664
#1	.4887	.4508	.4694	-.0082	.2574	.4653	.4534
#2	.4910	.4597	.4759	.0018	.2478	.4745	.4983
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0010	.0010	.2562
Stddev	.0005	.0001	.0209
%RSD	46.24	13.56	8.157
#1	-.0007	.0010	.2710
#2	-.0013	.0009	.2414
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA5 Run Time: 11/14/06 15:11

Int. Std.	Sc3572
Units	Cts/S
Avg	355.88
Stddev	3.98
%RSD	1.1187
#1	358.69
#2	353.06

Method: INTSTD6C Sample Name: CCVB5 Operator: WM
Comment: 70978
Run Time: 11/14/06 15:18 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	A12373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.039	-.0093	-.0035	2.294	.0454	.0651	.0011
Stddev	.067	.0099	.0007	.013	.0002	.0069	.0001
%RSD	1.332	105.8	19.76	.5638	.3825	10.55	9.307
#1	5.087	-.0024	-.0040	2.303	.0456	.0602	.0010
#2	4.992	-.0163	-.0030	2.285	.0453	.0699	.0011
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.30	-.0033	-.0013	.0004	23.81	-.0033	24.07
Stddev	.05	.0012	.0014	.0022	.17	.0092	.15
%RSD	.2009	36.21	113.4	508.8	.7215	280.7	.6288
#1	23.33	-.0041	-.0023	.0020	23.93	.0032	24.18
#2	23.27	-.0024	-.0003	-.0011	23.69	-.0098	23.96
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	.0037	-.0040	9.359	.0252	.0074	9.384
Stddev	.0000	.0009	.0013	.038	.0073	.0047	.013
%RSD	2.875	23.55	31.85	.4062	29.01	63.17	.1417
#1	.0016	.0031	-.0050	9.332	.0303	.0041	9.393
#2	.0015	.0044	-.0031	9.386	.0200	.0107	9.374
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	-.0048	.0007	2.554	2.513	-.0001	-.0270
Stddev	.0013	.0018	.0000	.003	.019	.0035	.0302
%RSD	141.9	37.99	5.798	.0999	.7724	2986.	111.9
#1	.0019	-.0061	.0007	2.552	2.526	.0023	-.0484
#2	.0000	-.0035	.0007	2.555	2.499	-.0026	-.0056
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4612	.4744	5.350
Stddev	.0023	.0026	.045
%RSD	.4879	.5472	.8404
#1	.4628	.4763	5.318
#2	.4596	.4726	5.382
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB5 Run Time: 11/14/06 15:18

Int. Std.	Sc3572
Units	Cts/S
Avg	355.37
Stddev	.64
%RSD	.17914
#1	355.82
#2	354.92

Method: INTSTD6C Sample Name: CCB5 Operator: WM
Comment: 70978
Run Time: 11/14/06 15:22 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0105	-.0132	-.0174	.0001	.0000	-.0025	.0001
Stddev	.0279	.0223	.0007	.0001	.0000	.0016	.0003
%RSD	266.7	169.3	4.080	134.3	122.6	62.90	554.6
#1	.0302	-.0290	-.0169	.0002	.0000	-.0036	-.0002
#2	-.0093	.0026	-.0179	.0000	.0000	-.0014	.0003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.0082	-.0008	.0010	.0043	.0024	-.0149
Stddev	.0000	.0278	.0000	.0004	.0000	.0030	.0217
%RSD	.4916	339.8	5.102	46.16	.2438	127.0	146.3
#1	.0022	.0278	-.0009	.0006	.0043	.0045	.0005
#2	.0022	-.0115	-.0008	.0013	.0043	.0002	-.0302
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0066	-.0103	.0028	.0000	.0047	.0004	.0891
Stddev	.0078	.0143	.0014	.0001	.0042	.0013	.0155
%RSD	118.3	139.1	48.75	183.4	88.50	317.9	17.40
#1	-.0011	-.0204	.0038	.0001	.0076	-.0005	.1000
#2	-.0121	-.0002	.0019	.0000	.0018	.0013	.0781
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0045	H .0166	.0284	-.0021	-.0046	-.0005	.0005
Stddev	.0110	.0041	.0094	.0002	.0050	.0004	.0089
%RSD	242.7	24.93	33.04	9.527	109.1	69.10	1960.
#1	-.0032	.0136	.0218	-.0022	-.0081	-.0008	.0068
#2	.0123	.0195	.0351	-.0019	-.0010	-.0003	-.0058
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0156	.0009	-.0095	.0014	-.0001	.0795
Stddev	.0057	.0033	.0059	.0023	.0001	.0037
%RSD	36.48	353.3	61.85	167.0	129.9	4.594
#1	-.0115	-.0014	-.0137	-.0003	-.0001	.0821
#2	-.0196	.0033	-.0054	.0031	.0000	.0769
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB5 Run Time: 11/14/06 15:22

Int. Std.	Sc3572
Units	Cts/S
Avg	342.87
Stddev	.09
%RSD	.02547
#1	342.94
#2	342.81

Service Request # K0608915
Calibration 11-14-06A, 11-14-06B, 11-14-06C(Be)
QC in calibration 11-14-06A, 11-14-06C(Be)
QC Service Request # K0608915
Star Lims Run # 71008

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	✓		
2. ICV within 10 % of true value	✓		
3. CCV's in control	✓		
4. CCB's and/or ICB's below MRL	✓		
5. Method blank below MRL	✓		
6. LCS in control	✓		
7. Spike and duplicate in control		(1) ✓	
8. All analytes within instrument linear range	✓		
9. Adequate rinse out time allowed	✓		
10. Internal standards in control	✓		
11. Interferences checked	✓		
12. Se over MRL	✓		
13. CRA run	✓		
14. ICSA and ICSAB in control	✓		
15. Serial dilution run	✓		
16. Post spike in control	✓		

Comments:
(1) Ag = 38% recovery (spike).

Primary Review by LRK Date 11/14/06
Secondary Review by SC Date 11/14/06
R:\icp\misc\data review forms\PQ ExCell review form

ExCell Mass Calibration **Date: 11/14/2006**

Mass	Mass DAC	Peak Width (AMU)	Error (AMU)	Include
7.016	1584	0.665	-0.013	TRUE
9.012	2091	0.665	-0.014	TRUE
23.985	5907	0.665	0.025	TRUE
26.982	6661	0.665	-0.005	TRUE
43.956	10980	0.767	0.006	TRUE
44.956	11234	0.716	0.004	TRUE
45.953	11494	0.716	0.029	TRUE
51.94	13008	0.767	-0.006	TRUE
53.949	13515	0.767	-0.021	TRUE
56.935	14289	0.715	0.035	TRUE
57.934	14529	0.767	-0.02	TRUE
58.933	14783	0.715	-0.021	TRUE
62.93	15810	0.715	0.02	TRUE
63.929	16057	0.715	-0.009	TRUE
67.925	17077	0.766	0.004	TRUE
75.92	19112	0.715	0.006	TRUE
114.904	29027	0.817	-0.032	TRUE
137.906	34896	0.765	0.005	TRUE
139.905	35403	0.765	-0.005	TRUE
202.972	51491	0.713	0.026	TRUE
205.974	52251	0.764	0.003	TRUE
206.976	52505	0.713	-0.003	TRUE
207.977	52765	0.713	0.015	TRUE
208.98	53012	0.713	-0.021	TRUE
238.051	60435	0.713	-0.008	TRUE

Excluded In Calib | Excluded In Results | [illegible] | Multi Element | Semi Quant | Internal Standard | Standard Addition

Uncorrected ICPS Per Mass

S-Calibration Has Edited Standard
F-Interference Correction Failed
E-Calibration Edited
T-Tripped
I-Invalid Calibration
P-Pulse Counting
V-Valley Integration Failed
M-Result Over Max

Run	Label	TimeStamp	11B [illegible]	7Li	9Be	59Co	115In	208Pb
1	Stability 11/14/06	11/14/2006 9:44:43 A	(P)3.333	(P)19073.062	(P)4968.865	(P)29157.098	(P)31843.454	(P)14885.085
2	Stability 11/14/06	11/14/2006 9:45:45 A	(P)2.833	(P)19224.096	(P)5182.441	(P)28750.094	(P)31741.727	(P)14852.384
3	Stability 11/14/06	11/14/2006 9:46:47 A	(P)2.667	(P)19044.358	(P)5047.559	(P)28512.469	(P)31861.158	(P)14916.117
4	Stability 11/14/06	11/14/2006 9:47:49 A	(P)1.500	(P)18915.520	(P)5028.219	(P)28453.320	(P)31781.482	(P)14968.839
5	Stability 11/14/06	11/14/2006 9:48:51 A	(P)2.833	(P)19186.215	(P)5112.415	(P)28199.491	(P)31552.474	(P)15030.903
	Mean of Stability 11/	11/14/2006 9:44:06 A	(P)2.633	(P)19088.650	(P)5067.900	(P)28614.494	(P)31756.059	(P)14930.666
	SD of Stability 11/14/0		(P)0.681	(P)122.519	(P)82.002	(P)361.047	(P)123.473	(P)70.573
	%RSD of Stability 11		(P)25.864	(P)0.642	(P)1.618	(P)1.262	(P)0.389	(P)0.473

Run	Label	TimeStamp	209Bi	232Th	238U
1	Stability 11/14/06	11/14/2006 9:44:43 A	(P)20515.400	(P)0.000	(P)19616.632
2	Stability 11/14/06	11/14/2006 9:45:45 A	(P)20408.405	(P)0.000	(P)19620.801
3	Stability 11/14/06	11/14/2006 9:46:47 A	(P)20423.092	(P)0.000	(P)19600.110
4	Stability 11/14/06	11/14/2006 9:47:49 A	(P)20487.186	(P)0.000	(P)19512.321
5	Stability 11/14/06	11/14/2006 9:48:51 A	(P)20390.552	(P)0.000	(P)19255.136
	Mean of Stability 11/	11/14/2006 9:44:06 A	(P)20444.927	(P)0.000	(P)19521.000
	SD of Stability 11/14/0		(P)53.665	(P)0.000	(P)155.018
	%RSD of Stability 11		(P)0.262	(P)0.000	(P)0.794

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	acqmet11	9:39:11 11/14/06

Instrument Setup - Configurations

Configuration Name - acqmet11
Description - PQExcell CCT Sim Default
Date - 9:39:11 11/14/06
Maximum Uptake Time - 0
Maximum Washout Time - 0
S-Option Pump Running - No
Plasma Screen Forward - No
Makeup Gas On - No
Use CCT - No
Use Accessory Gas - No

Setting	Value
Extraction	-555.00
Lens1	7.50
Lens2	-43.00
Lens3	-4.00
Pole Bias	1.00
Sampling Depth	442.00
Horizontal	-46.00
Vertical	99.00
Cool	13.00
Auxiliary	0.75
Nebuliser	0.84
Forward power	1,360.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-30.00
Focus	18.00

Sample List

Num	Label	Type	Weight	Volume	Dilution
1	Calibration Blank	Blank	0 kg	0 ml	1.00
2	25 ppb Std. MS10-2-A	Fully Quant Standard	0 kg	0 ml	1.00
3	ICV MS9-95-F	Unknown	0 kg	0 ml	1.00
4	CCV1 MS10-2-A	Unknown	0 kg	0 ml	1.00
5	ICB1	Unknown	0 kg	0 ml	1.00
6	CCB1	Unknown	0 kg	0 ml	1.00
7	CRA MS9-95-H	Unknown	0 kg	0 ml	1.00
8	ICSA MS10-1-F	Unknown	0 kg	0 ml	1.00
9	ICSAB MS10-1-G	Unknown	0 kg	0 ml	1.00
10	PB K0608915 1/5	Unknown	0 kg	0 ml	1.00
11	DOLT K0608915 1/5	Unknown	0 kg	0 ml	1.00
12	DORM K0608915 1/5	Unknown	0 kg	0 ml	1.00
13	CCV2 MS10-2-A	Unknown	0 kg	0 ml	1.00
14	CCB2	Unknown	0 kg	0 ml	1.00
15	K0608915-004 1/5	Unknown	0 kg	0 ml	1.00
16	K0608915-004D 1/5	Unknown	0 kg	0 ml	1.00
17	K0608915-004L 1/5 X 1/5	Unknown	0 kg	0 ml	1.00
18	K0608915-004A 1/5 + 25	Unknown	0 kg	0 ml	1.00
19	K0608915-004S 1/25	Unknown	0 kg	0 ml	1.00
20	K0608915-004 1/5 Redilution	Unknown	0 kg	0 ml	1.00
21	K0608915-004A 1/5 + 25	Unknown	0 kg	0 ml	1.00
22	K0608915-004S 1/25 Redilution	Unknown	0 kg	0 ml	1.00
23	CCV3 MS10-2-A	Unknown	0 kg	0 ml	1.00
24	CCB3	Unknown	0 kg	0 ml	1.00
25	K0608915-001 1/5	Unknown	0 kg	0 ml	1.00
26	K0608915-002 1/5	Unknown	0 kg	0 ml	1.00
27	K0608915-003 1/5	Unknown	0 kg	0 ml	1.00
28	K0608915-005 1/5	Unknown	0 kg	0 ml	1.00
29	K0608915-006 1/5	Unknown	0 kg	0 ml	1.00
30	K0608915-007 1/5	Unknown	0 kg	0 ml	1.00
31	CCV4 MS10-2-A	Unknown	0 kg	0 ml	1.00
32	CCB4	Unknown	0 kg	0 ml	1.00
33	CCB4	Unknown	0 kg	0 ml	1.00

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**Calibration Blank**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 10:43**					
Antimony	121	-0.0005	0.0003	0.0001	**0**	0.0004	0
Antimony	123	0.0006	-0.0001	-0.0004	**0**	0.0005	0
Arsenic	75	0.0038	-0.0423	0.0385	**0**	0.0406	0
Beryllium	9	0	0.0016	-0.0016	**0**	0.0016	0
Cadmium	111	-0.0003	-0.0003	0.0005	**0**	0.0004	0
Cadmium	114	0.0004	0.0002	-0.0006	**0**	0.0005	0
Copper	63	-0.001	-0.0007	0.0017	**0**	0.0014	0
Copper	65	0.0049	0.0035	-0.0084	**0**	0.0073	0
Lead	206	-0.0008	-0.0011	0.0018	**0**	0.0016	0
Lead	207	0.0003	-0.0004	0.0001	**0**	0.0004	0
Lead	208	0.0005	-0.0005	-0.0001	**0**	0.0005	0
Molybdenum	95	0.0021	-0.0009	-0.0012	**0**	0.0018	0
Molybdenum	97	-0.001	0.0007	0.0002	**0**	0.0009	0
Molybdenum	98	-0.0005	0.0008	-0.0002	**0**	0.0007	0
Nickel	60	0.0188	-0.0091	-0.0097	**0**	0.0163	0
Nickel	62	0.0071	0.023	-0.0301	**0**	0.0273	0
Selenium	77	0.053	0.0309	-0.0839	**0**	0.0735	0
Selenium	78	0.1698	0.2533	-0.423	**0**	0.3687	0
Selenium	82	0.0633	-0.134	0.0707	**0**	0.1161	0
Silver	107	-0.0003	0.0001	0.0002	**0**	0.0002	0
Silver	109	0.0005	-0.0002	-0.0003	**0**	0.0004	0
Thallium	203	-0.0002	-0.0004	0.0006	**0**	0.0005	0
Thallium	205	-0.0003	0.0003	0	**0**	0.0003	0
Zinc	66	-0.0013	0.0051	-0.0038	**0**	0.0046	0
Zinc	67	-0.0122	-0.018	0.0302	**0**	0.0263	0
Zinc	68	0.025	-0.0328	0.0077	**0**	0.0297	0

Laurie Klein
11/14/06

Internal Standard Factors:

Scandium	45	0.999	1.007	0.994	**0.999**	n/a	n/a
Indium	115	0.992	0.995	1.013	**0.992**	n/a	n/a
Lutetium	175	0.996	0.992	1.012	**0.996**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**25 ppb Std. MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 10:47**					
Antimony	121	24.55	25.41	25.04	**25**	0.4283	1.713
Antimony	123	24.59	25.06	25.35	**25**	0.3851	1.54
Arsenic	75	24.88	24.97	25.14	**25**	0.1297	0.5188
Beryllium	9	24.85	24.96	25.18	**25**	0.1673	0.6691
Cadmium	111	24.7	25.14	25.16	**25**	0.261	1.044
Cadmium	114	24.84	24.83	25.32	**25**	0.28	1.12
Copper	63	25.14	24.89	24.97	**25**	0.1261	0.5045
Copper	65	25.12	24.89	24.99	**25**	0.1177	0.4707
Lead	206	24.56	25.29	25.15	**25**	0.3894	1.558
Lead	207	24.89	25.62	24.49	**25**	0.5745	2.298
Lead	208	24.79	25.29	24.92	**25**	0.2587	1.035
Molybdenum	95	24.91	25.06	25.04	**25**	0.0817	0.3267
Molybdenum	97	24.94	25.01	25.05	**25**	0.0575	0.2298
Molybdenum	98	24.76	25.18	25.06	**25**	0.2143	0.8571
Nickel	60	25.27	24.76	24.97	**25**	0.2554	1.022
Nickel	62	25.26	24.78	24.96	**25**	0.2465	0.9862
Selenium	77	24.77	25.24	25	**25**	0.2358	0.9431
Selenium	78	24.94	24.96	25.1	**25**	0.0882	0.3528
Selenium	82	24.34	25.38	25.28	**25**	0.576	2.304
Silver	107	24.81	24.98	25.21	**25**	0.1977	0.7907
Silver	109	24.79	25	25.21	**25**	0.2071	0.8284
Thallium	203	24.56	25.23	25.22	**25**	0.3843	1.537
Thallium	205	24.63	25.06	25.31	**25**	0.3428	1.371
Zinc	66	25.02	24.96	25.02	**25**	0.0349	0.1397
Zinc	67	24.85	24.96	25.18	**25**	0.1679	0.6715
Zinc	68	25.06	24.88	25.06	**25**	0.1058	0.4234

Internal Standard Factors:

Scandium	45	1.053	1.034	1.044	**1.053**	n/a	n/a
Indium	115	0.998	1.004	1.01	**0.998**	n/a	n/a
Lutetium	175	0.973	0.982	0.974	**0.973**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICV MS9-95-F**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 10:50**					
Antimony	121	26.31	25.83	26.47	**26.2**	0.3308	1.262
Antimony	123	26.12	25.94	26.15	**26.07**	0.1174	0.4504
Arsenic	75	26.38	26.74	26.5	**26.54**	0.186	0.7007
Beryllium	9	2.637	2.773	2.633	**2.681**	0.08	2.985
Cadmium	111	12.93	13.07	12.85	**12.95**	0.1141	0.8809
Cadmium	114	12.9	12.84	12.9	**12.88**	0.0376	0.292
Copper	63	12.63	12.85	12.45	**12.64**	0.1973	1.56
Copper	65	12.58	13.01	12.56	**12.72**	0.2541	1.998
Lead	206	24.36	24.73	24.92	**24.67**	0.2844	1.153
Lead	207	26.34	26.39	26.4	**26.38**	0.033	0.125
Lead	208	25.72	25.59	25.89	**25.73**	0.1513	0.588
Molybdenum	95	26.5	26.76	26.5	**26.59**	0.1532	0.5761
Molybdenum	97	26.87	27.06	26.65	**26.86**	0.2041	0.7598
Molybdenum	98	26.62	26.79	27.02	**26.81**	0.2047	0.7636
Nickel	60	25.73	25.76	25.45	**25.65**	0.167	0.6511
Nickel	62	25.09	25.82	25.28	**25.4**	0.3748	1.476
Selenium	77	26.34	26.73	26.46	**26.51**	0.2009	0.758
Selenium	78	25.34	26.3	26.84	**26.16**	0.7595	2.903
Selenium	82	26.54	26.41	25.52	**26.16**	0.5592	2.138
Silver	107	12.85	12.79	12.94	**12.86**	0.0748	0.5817
Silver	109	12.69	12.75	12.74	**12.73**	0.0304	0.239
Thallium	203	25.76	26.11	26.13	**26**	0.21	0.8079
Thallium	205	25.39	25.4	26.13	**25.64**	0.4225	1.648
Zinc	66	24.42	24.76	24.29	**24.49**	0.2435	0.9945
Zinc	67	30.68	30.84	30.79	**30.77**	0.0821	0.2668
Zinc	68	29.33	29.87	29.35	**29.52**	0.3081	1.044

Internal Standard Factors:

Scandium	45	1.032	1.049	1.021	**1.032**	n/a	n/a
Indium	115	1.013	1.008	1.006	**1.013**	n/a	n/a
Lutetium	175	0.981	0.965	0.976	**0.981**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV1 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 10:54**					
Antimony	121	24.31	24.79	24.59	**24.56**	0.2429	0.989
Antimony	123	23.89	24.3	24.63	**24.27**	0.3695	1.522
Arsenic	75	24.13	24.91	25.36	**24.8**	0.6224	2.51
Beryllium	9	25.01	25.34	25.92	**25.42**	0.4606	1.812
Cadmium	111	24.38	24.81	24.82	**24.67**	0.2524	1.023
Cadmium	114	24.34	25.11	24.77	**24.74**	0.3843	1.553
Copper	63	24.56	24.75	24.76	**24.69**	0.1146	0.4641
Copper	65	24.17	24.55	25.01	**24.58**	0.4175	1.699
Lead	206	24.54	24.87	25.11	**24.84**	0.2858	1.151
Lead	207	25.1	25.09	24.85	**25.01**	0.139	0.5556
Lead	208	24.86	25.08	24.95	**24.96**	0.1095	0.4385
Molybdenum	95	24.16	24.63	24.81	**24.53**	0.3337	1.36
Molybdenum	97	24.17	24.63	24.93	**24.58**	0.3839	1.562
Molybdenum	98	23.99	24.82	25.03	**24.61**	0.5501	2.235
Nickel	60	24.53	25.03	25.2	**24.92**	0.3471	1.393
Nickel	62	24.81	24.75	25.49	**25.02**	0.4139	1.655
Selenium	77	24.26	24.5	24.9	**24.55**	0.3278	1.335
Selenium	78	24.14	24.36	25.55	**24.69**	0.7586	3.073
Selenium	82	23.93	24.68	24.93	**24.51**	0.5215	2.127
Silver	107	24.42	24.84	24.91	**24.72**	0.2652	1.073
Silver	109	24.39	24.86	25.02	**24.76**	0.3298	1.332
Thallium	203	25.02	25.36	25.19	**25.19**	0.1736	0.6891
Thallium	205	24.55	25.17	25.17	**24.96**	0.3572	1.431
Zinc	66	24.81	24.65	25.35	**24.94**	0.3664	1.469
Zinc	67	24.51	24.76	24.96	**24.74**	0.2277	0.9203
Zinc	68	24.34	24.92	25.46	**24.91**	0.561	2.252

Internal Standard Factors:

Scandium	45	1.03	1.044	1.067	**1.03**	n/a	n/a
Indium	115	1.001	1.017	1.02	**1.001**	n/a	n/a
Lutetium	175	0.986	0.98	0.984	**0.986**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICB1**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:00**					
Antimony	121	0.0063	0.0018	0.0029	**0.0037**	0.0023	63.89
Antimony	123	0.0042	0.0053	0.0056	**0.0051**	0.0007	14.37
Arsenic	75	-0.0568	-0.0001	-0.0049	**-0.0206**	0.0314	152.7
Beryllium	9	0.0081	0.0056	0.0056	**0.0065**	0.0014	22.37
Cadmium	111	0.0006	0.0014	0.0006	**0.0008**	0.0004	52.74
Cadmium	114	0.0005	-0.0004	0.0003	**0.0001**	0.0005	359.5
Copper	63	0.0119	0.0108	0.0111	**0.0113**	0.0006	5.132
Copper	65	0.0037	0.0194	0.0212	**0.0148**	0.0096	65.19
Lead	206	0.002	0.0013	-0.0001	**0.0011**	0.0011	105
Lead	207	0.0007	0.0015	-0.0014	**0.0003**	0.0015	567
Lead	208	0.0007	0.0011	-0.0004	**0.0005**	0.0008	171.5
Molybdenum	95	0.0038	0.0061	0.0072	**0.0057**	0.0017	30.75
Molybdenum	97	0.006	0.0041	0.0023	**0.0041**	0.0018	44.43
Molybdenum	98	0.0059	0.0071	0.004	**0.0057**	0.0016	28.38
Nickel	60	0.0429	0.0157	0.0321	**0.0302**	0.0137	45.33
Nickel	62	0.1452	0.015	0.0181	**0.0594**	0.0743	125
Selenium	77	0.1181	-0.1371	0.0503	**0.0104**	0.1321	1267
Selenium	78	0.3385	0.076	0.2179	**0.2108**	0.1314	62.32
Selenium	82	-0.1724	-0.1226	0.0337	**-0.0871**	0.1076	123.5
Silver	107	0.0115	0.0101	0.0072	**0.0096**	0.0022	22.74
Silver	109	0.0117	0.0083	0.0083	**0.0094**	0.002	20.82
Thallium	203	0.0013	0.0016	-0.0004	**0.0008**	0.0011	127.6
Thallium	205	0.0015	0.0022	0.0013	**0.0017**	0.0004	25.3
Zinc	66	0.0006	0.0264	-0.0035	**0.0078**	0.0162	207.4
Zinc	67	0.047	0.0362	0.0252	**0.0361**	0.0109	30.27
Zinc	68	0.0371	-0.0133	0.0053	**0.0097**	0.0255	263

Internal Standard Factors:

Scandium	45	1.098	1.083	1.084	**1.098**	n/a	n/a
Indium	115	1.072	1.057	1.057	**1.072**	n/a	n/a
Lutetium	175	1.034	1.043	1.006	**1.034**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB1**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:03**					
Antimony	121	0.0032	0.0025	0.0043	**0.0034**	0.0009	27.14
Antimony	123	0.0037	0.0033	0.0052	**0.0041**	0.001	24.58
Arsenic	75	-0.0502	-0.0168	-0.0285	**-0.0318**	0.0169	53.16
Beryllium	9	0.0025	0.0095	0.0066	**0.0062**	0.0035	56.42
Cadmium	111	-0.001	-0.0002	0.0006	**-0.0002**	0.0008	357.8
Cadmium	114	-0.0008	-0.0026	-0.0008	**-0.0014**	0.001	74.17
Copper	63	0.005	0.0024	-0.0013	**0.002**	0.0032	156.7
Copper	65	0.0006	0.0104	0.0118	**0.0076**	0.0061	80.12
Lead	206	-0.0002	-0.002	-0.0017	**-0.0013**	0.001	75.91
Lead	207	0.0037	0.0035	-0.0028	**0.0014**	0.0037	258.3
Lead	208	0.0023	-0.0001	-0.0017	**0.0002**	0.002	1008
Molybdenum	95	0.0018	0.0017	0.0021	**0.0019**	0.0002	10.95
Molybdenum	97	0.0011	0.0027	0.0011	**0.0016**	0.001	58.34
Molybdenum	98	-0.0011	0.0033	0.0018	**0.0013**	0.0022	168.2
Nickel	60	0.0467	0.0532	0.0238	**0.0413**	0.0155	37.45
Nickel	62	0.1007	0.0818	0.0322	**0.0716**	0.0354	49.43
Selenium	77	0.2334	0.0771	0.1529	**0.1545**	0.0781	50.59
Selenium	78	0.1228	0.2261	0.1671	**0.172**	0.0518	30.12
Selenium	82	0.0183	0.0186	0.0108	**0.0159**	0.0044	27.71
Silver	107	0.006	0.0084	0.0035	**0.006**	0.0024	40.7
Silver	109	0.0071	0.0067	0.0066	**0.0068**	0.0002	3.568
Thallium	203	0.0024	0.0015	-0.0001	**0.0013**	0.0013	103.2
Thallium	205	0.0009	0.0007	0.0009	**0.0008**	0.0001	13.47
Zinc	66	0.0152	-0.0053	-0.0003	**0.0032**	0.0107	331.9
Zinc	67	0.0746	0.0353	0.0431	**0.051**	0.0208	40.79
Zinc	68	0.0335	-0.0005	0.1028	**0.0452**	0.0527	116.3

Internal Standard Factors:

Scandium	45	1.069	1.062	1.06	**1.069**	n/a	n/a
Indium	115	1.052	1.037	1.047	**1.052**	n/a	n/a
Lutetium	175	1.003	1.014	1.013	**1.003**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CRA MS9-95-H**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:07**					
Antimony	121	0.0474	0.0574	0.0561	**0.0536**	0.0054	10.16
Antimony	123	0.0511	0.0526	0.0575	**0.0537**	0.0033	6.215
Arsenic	75	0.4734	0.4801	0.4755	**0.4763**	0.0034	0.7139
Beryllium	9	0.0289	0.0285	0.0286	**0.0286**	0.0003	0.8881
Cadmium	111	0.031	0.0173	0.0188	**0.0224**	0.0075	33.43
Cadmium	114	0.0162	0.0176	0.0196	**0.0178**	0.0017	9.592
Copper	63	0.1133	0.104	0.0972	**0.1049**	0.0081	7.697
Copper	65	0.1336	0.1131	0.1237	**0.1235**	0.0102	8.288
Lead	206	0.0173	0.0209	0.0172	**0.0185**	0.0021	11.56
Lead	207	0.0223	0.0233	0.0204	**0.022**	0.0015	6.708
Lead	208	0.0215	0.0213	0.0192	**0.0207**	0.0013	6.141
Molybdenum	95	0.0555	0.057	0.0573	**0.0566**	0.001	1.729
Molybdenum	97	0.053	0.0561	0.0549	**0.0546**	0.0015	2.783
Molybdenum	98	0.0539	0.0509	0.0538	**0.0529**	0.0017	3.183
Nickel	60	0.2412	0.2428	0.2607	**0.2482**	0.0108	4.355
Nickel	62	0.2461	0.3169	0.2312	**0.2647**	0.0458	17.3
Selenium	77	1.127	1.346	1.238	**1.237**	0.1098	8.873
Selenium	78	1.456	1.321	1.073	**1.283**	0.1941	15.13
Selenium	82	0.9316	1.079	1.092	**1.034**	0.0893	8.629
Silver	107	0.0286	0.0295	0.0287	**0.0289**	0.0005	1.724
Silver	109	0.0281	0.0253	0.0272	**0.0269**	0.0014	5.292
Thallium	203	0.02	0.0218	0.0216	**0.0211**	0.001	4.59
Thallium	205	0.0222	0.0204	0.0233	**0.022**	0.0015	6.828
Zinc	66	0.5207	0.5063	0.5574	**0.5281**	0.0264	4.993
Zinc	67	0.4346	0.4478	0.5364	**0.4729**	0.0554	11.71
Zinc	68	0.5404	0.5142	0.4748	**0.5098**	0.033	6.477

Internal Standard Factors:

Scandium	45	1.051	1.056	1.049	**1.051**	n/a	n/a
Indium	115	1.033	1.035	1.036	**1.033**	n/a	n/a
Lutetium	175	1.002	0.988	0.999	**1.002**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICSA MS10-1-F**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:10**					
Antimony	121	0.0913	0.0883	0.0998	**0.0931**	0.006	6.391
Antimony	123	0.086	0.0972	0.0832	**0.0888**	0.0074	8.347
Arsenic	75	0	-0.008	0.0432	**0.0118**	0.0275	234.4
Beryllium	9	0.0015	0.0036	0.0027	**0.0026**	0.0011	40.17
Cadmium	111	0.9212	0.8998	1.005	**0.9421**	0.0558	5.928
Cadmium	114	0.6884	0.6826	0.657	**0.676**	0.0167	2.476
Copper	63	0.2056	0.2199	0.198	**0.2078**	0.0111	5.351
Copper	65	0.3044	0.3263	0.2967	**0.3091**	0.0153	4.956
Lead	206	0.1161	0.1238	0.1156	**0.1185**	0.0046	3.858
Lead	207	0.1362	0.1307	0.1238	**0.1302**	0.0062	4.738
Lead	208	0.1282	0.1256	0.1211	**0.125**	0.0036	2.847
Molybdenum	95	202.1	208.1	204	**204.7**	3.058	1.494
Molybdenum	97	203.8	212.2	206.4	**207.5**	4.332	2.088
Molybdenum	98	205.5	212.7	206.6	**208.3**	3.889	1.867
Nickel	60	0.6009	0.5848	0.5683	**0.5847**	0.0163	2.787
Nickel	62	1.101	1.286	1.176	**1.188**	0.0934	7.861
Selenium	77	0.9067	0.7977	0.7733	**0.8259**	0.071	8.6
Selenium	78	0.2697	0.4522	0.5893	**0.4371**	0.1604	36.69
Selenium	82	0.1228	-0.0169	0.1235	**0.0765**	0.0809	105.8
Silver	107	0.0059	0.0035	0.0047	**0.0047**	0.0012	25.7
Silver	109	0.0068	0.0091	0.0082	**0.008**	0.0011	14.18
Thallium	203	0.0311	0.0229	0.0203	**0.0247**	0.0056	22.77
Thallium	205	0.0276	0.0277	0.0251	**0.0268**	0.0015	5.439
Zinc	66	1.156	1.123	1.173	**1.151**	0.0253	2.195
Zinc	67	2.07	2.419	2.316	**2.268**	0.1792	7.901
Zinc	68	0.8487	0.8589	0.8076	**0.8384**	0.0272	3.239

Internal Standard Factors:

Scandium	45	1.136	1.173	1.152	**1.136**	n/a	n/a
Indium	115	1.091	1.115	1.095	**1.091**	n/a	n/a
Lutetium	175	1.026	1.025	1.027	**1.026**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICSAB MS10-1-G**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:13**					
Antimony	121	0.0898	0.0888	0.0859	**0.0882**	0.002	2.291
Antimony	123	0.0974	0.0979	0.0951	**0.0968**	0.0015	1.529
Arsenic	75	21.63	21.57	21.49	**21.57**	0.069	0.3202
Beryllium	9	0.0027	-0.0013	0.0018	**0.001**	0.0021	197.3
Cadmium	111	21.87	22.01	21.77	**21.88**	0.1225	0.5597
Cadmium	114	22.08	22.02	22.02	**22.04**	0.0304	0.138
Copper	63	20.75	20.78	20.61	**20.71**	0.0923	0.4456
Copper	65	20.79	20.8	20.82	**20.8**	0.012	0.0579
Lead	206	0.126	0.1291	0.13	**0.1284**	0.0021	1.637
Lead	207	0.1335	0.1459	0.1362	**0.1386**	0.0065	4.715
Lead	208	0.1345	0.1398	0.1354	**0.1366**	0.0029	2.088
Molybdenum	95	211	212.6	212.9	**212.2**	0.996	0.4694
Molybdenum	97	212.4	215	214.9	**214.1**	1.462	0.6831
Molybdenum	98	211.9	217.7	213.8	**214.5**	2.921	1.362
Nickel	60	21.54	21.78	21.41	**21.58**	0.1891	0.8764
Nickel	62	22.4	22.66	22.46	**22.51**	0.1372	0.6097
Selenium	77	0.9422	1.113	1.27	**1.108**	0.164	14.8
Selenium	78	0.514	0.7272	0.2482	**0.4965**	0.24	48.34
Selenium	82	0.1156	0.0001	0.0906	**0.0688**	0.0607	88.32
Silver	107	19.61	19.99	19.63	**19.74**	0.2115	1.071
Silver	109	19.78	20	19.81	**19.86**	0.1196	0.6019
Thallium	203	0.0204	0.0262	0.0223	**0.023**	0.0029	12.84
Thallium	205	0.0227	0.0228	0.0251	**0.0236**	0.0013	5.59
Zinc	66	21.9	22.38	21.73	**22.01**	0.3377	1.535
Zinc	67	20.36	20.21	20.22	**20.26**	0.0834	0.4115
Zinc	68	20.37	20.27	20.38	**20.34**	0.0622	0.3059

Internal Standard Factors:

Scandium	45	1.182	1.179	1.163	**1.182**	n/a	n/a
Indium	115	1.078	1.089	1.078	**1.078**	n/a	n/a
Lutetium	175	1.032	1.032	1.032	**1.032**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**PB K0608915 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:21**					
Antimony	121	0.0015	0.0024	0.0017	**0.0019**	0.0004	23.49
Antimony	123	0.003	0.0064	0.0067	**0.0054**	0.0021	38.43
Arsenic	75	0.0149	0.0591	0.0096	**0.0279**	0.0272	97.44
(1) ~~Beryllium~~	~~9~~	~~0.0004~~	~~0.0012~~	~~-0.0016~~	~~**0**~~	~~0.0014~~	~~17950~~
Cadmium	111	0.0032	-0.001	0.0039	**0.002**	0.0026	129.9
Cadmium	114	-0.0009	0.0034	0.0011	**0.0012**	0.0022	182.2
Copper	63	0.1397	0.13	0.1299	**0.1332**	0.0056	4.236
Copper	65	0.145	0.1283	0.1277	**0.1337**	0.0098	7.356
Lead	206	0.0186	0.0171	0.0169	**0.0176**	0.0009	5.022
Lead	207	0.0228	0.0221	0.0177	**0.0209**	0.0027	13.07
Lead	208	0.0216	0.0219	0.0175	**0.0204**	0.0025	12.06
Molybdenum	95	0.0266	0.0252	0.0223	**0.0247**	0.0022	8.95
Molybdenum	97	0.0369	0.031	0.0227	**0.0302**	0.0071	23.58
Molybdenum	98	0.0275	0.0287	0.0219	**0.026**	0.0036	13.95
Nickel	60	0.1031	0.0837	0.1197	**0.1021**	0.018	17.66
Nickel	62	0.2085	0.149	0.1593	**0.1723**	0.0318	18.44
Selenium	77	0.1037	-0.0548	0.0303	**0.0264**	0.0793	300.6
Selenium	78	-0.0191	0.2469	0.1507	**0.1262**	0.1347	106.7
Selenium	82	0.1337	0.1481	0.0171	**0.0996**	0.0718	72.07
Silver	107	0.0177	0.0147	0.011	**0.0145**	0.0034	23.13
Silver	109	0.0153	0.0121	0.0115	**0.0129**	0.002	15.72
Thallium	203	0.0006	0.0004	0.0013	**0.0008**	0.0005	62.63
Thallium	205	0.0013	0.0005	0.0019	**0.0012**	0.0007	55.66
Zinc	66	0.9235	0.9677	0.9587	**0.95**	0.0234	2.46
Zinc	67	0.9167	0.9654	0.8323	**0.9048**	0.0673	7.441
Zinc	68	1.008	0.9285	0.9492	**0.9619**	0.0413	4.289

(1) Be out of control CCV2. See recal.

LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.167	1.138	1.126	**1.167**	n/a	n/a
Indium	115	1.132	1.109	1.095	**1.132**	n/a	n/a
Lutetium	175	1.053	1.042	1.022	**1.053**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**DOLT K0608915 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:25**					
Antimony	121	0.0443	0.0371	0.0434	**0.0416**	0.0039	9.377
Antimony	123	0.0469	0.0465	0.0378	**0.0437**	0.0051	11.78
Arsenic	75	19.74	20.07	19.6	**19.8**	0.2438	1.231
(1) ~~Beryllium~~	~~9~~	~~0.0032~~	~~0.0003~~	~~0.0032~~	~~**0.0022**~~	~~0.0016~~	~~73.37~~
Cadmium	111	39.15	40.08	39.04	**39.42**	0.5732	1.454
Cadmium	114	39.74	40.71	40.24	**40.23**	0.4845	1.204
Copper	63	66.74	64.56	64.9	**65.4**	1.174	1.795
Copper	65	66.93	64.57	65.53	**65.68**	1.191	1.813
Lead	206	0.536	0.5213	0.5203	**0.5259**	0.0088	1.677
Lead	207	0.6102	0.5779	0.6363	**0.6081**	0.0292	4.807
Lead	208	0.5804	0.5606	0.5809	**0.574**	0.0116	2.019
Molybdenum	95	6.9	6.874	6.813	**6.863**	0.0445	0.6478
Molybdenum	97	6.989	6.863	6.853	**6.902**	0.0758	1.098
Molybdenum	98	6.963	6.853	6.972	**6.929**	0.0661	0.9539
Nickel	60	7.152	6.869	7.032	**7.018**	0.142	2.024
Nickel	62	7.422	7.086	7.026	**7.178**	0.2134	2.973
Selenium	77	15.76	14.9	16.13	**15.6**	0.631	4.045
Selenium	78	16.37	15.66	16.6	**16.21**	0.4888	3.015
Selenium	82	15.35	15.5	15.22	**15.36**	0.1405	0.9149
Silver	107	2.395	2.448	2.448	**2.431**	0.0306	1.259
Silver	109	2.405	2.424	2.418	**2.416**	0.0098	0.4046
Thallium	203	0.0239	0.032	0.0272	**0.0277**	0.004	14.62
Thallium	205	0.0301	0.0261	0.0301	**0.0288**	0.0023	8.106
Zinc	66	190.2	184.3	186.6	**187**	2.977	1.592
Zinc	67	161.1	155.5	158.5	**158.4**	2.79	1.761
Zinc	68	178	173.8	176.7	**176.1**	2.152	1.222

(1) Be out CCV2. See recal.

LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.238	1.206	1.198	**1.238**	n/a	n/a
Indium	115	1.156	1.19	1.14	**1.156**	n/a	n/a
Lutetium	175	1.06	1.072	1.06	**1.06**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**DORM K0608915 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:29**					
Antimony	121	0.0604	0.0573	0.0607	**0.0595**	0.0019	3.156
Antimony	123	0.0647	0.0616	0.0537	**0.06**	0.0057	9.474
Arsenic	75	36.54	36.73	36.83	**36.7**	0.1475	0.402
~~Beryllium~~	~~9~~	~~0.0011~~	~~0.0028~~	~~-0.0009~~	~~**0.001**~~	~~0.0019~~	~~190.5~~
Cadmium	111	0.0838	0.0935	0.09	**0.0891**	0.0049	5.493
Cadmium	114	0.0941	0.1026	0.0927	**0.0964**	0.0053	5.533
Copper	63	4.413	4.411	4.419	**4.414**	0.004	0.0906
Copper	65	4.371	4.383	4.354	**4.369**	0.0144	0.3296
Lead	206	0.1145	0.1238	0.138	**0.1254**	0.0118	9.447
Lead	207	0.142	0.1337	0.1354	**0.137**	0.0044	3.209
Lead	208	0.1275	0.1301	0.1302	**0.1293**	0.0015	1.157
Molybdenum	95	0.6109	0.625	0.6216	**0.6192**	0.0074	1.191
Molybdenum	97	0.618	0.6299	0.6359	**0.6279**	0.0091	1.45
Molybdenum	98	0.5719	0.6121	0.6072	**0.5971**	0.0219	3.672
Nickel	60	35.3	35.85	35.56	**35.57**	0.2728	0.7669
Nickel	62	36.19	36.64	35.97	**36.27**	0.3399	0.9372
Selenium	77	3.339	3.868	3.743	**3.65**	0.2762	7.568
Selenium	78	4.421	4.937	4.579	**4.646**	0.2641	5.685
Selenium	82	3.834	4.072	4.045	**3.984**	0.13	3.263
Silver	107	0.0845	0.0779	0.079	**0.0805**	0.0036	4.417
Silver	109	0.0832	0.079	0.0792	**0.0805**	0.0024	2.955
Thallium	203	0.0101	0.013	0.0089	**0.0107**	0.0021	19.87
Thallium	205	0.0102	0.0095	0.009	**0.0096**	0.0006	6.181
Zinc	66	49.94	50.39	49.06	**49.8**	0.6734	1.352
Zinc	67	42.65	43.63	43.08	**43.12**	0.4934	1.144
Zinc	68	48	48.43	47.53	**47.99**	0.4505	0.9388

1 11/14/06

① Be out CCV2. See recal.

LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.124	1.126	1.127	**1.124**	n/a	n/a
Indium	115	1.074	1.096	1.102	**1.074**	n/a	n/a
Lutetium	175	1.044	1.038	1.037	**1.044**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV2 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:32**					
Antimony	121	24.38	24.47	24.19	**24.35**	0.1432	0.5883
Antimony	123	24.33	23.66	24.1	**24.03**	0.3395	1.413
Arsenic	75	24.93	25.43	24.98	**25.11**	0.2753	1.096
Beryllium	9	29.71	30.35	29.45	**29.84**	0.4637	1.554
Cadmium	111	24.62	24.84	24.66	**24.71**	0.1147	0.4643
Cadmium	114	25.16	25.14	24.89	**25.06**	0.1465	0.5846
Copper	63	25.84	25.9	25.45	**25.73**	0.2441	0.9485
Copper	65	26.13	26.06	25.65	**25.95**	0.2632	1.014
Lead	206	25.43	25.2	25.32	**25.32**	0.1129	0.4458
Lead	207	24.91	25.22	25.74	**25.29**	0.4153	1.642
Lead	208	25.32	25.14	25.44	**25.3**	0.1527	0.6037
Molybdenum	95	24.21	24.39	23.58	**24.06**	0.4246	1.765
Molybdenum	97	23.92	24.66	24.31	**24.3**	0.3706	1.525
Molybdenum	98	23.53	24.06	23.85	**23.81**	0.2683	1.127
Nickel	60	25.53	25.59	25.43	**25.51**	0.0813	0.3185
Nickel	62	26.2	25.95	25.72	**25.96**	0.2405	0.9266
Selenium	77	23.7	24.79	25.28	**24.59**	0.8093	3.291
Selenium	78	25.26	25.65	25.11	**25.34**	0.2788	1.1
Selenium	82	24.14	24.55	24.24	**24.31**	0.2164	0.8901
Silver	107	24.25	24.31	24.21	**24.26**	0.0528	0.2176
Silver	109	24.64	24.81	24.47	**24.64**	0.1691	0.6862
Thallium	203	24.69	25.31	25.12	**25.04**	0.3148	1.257
Thallium	205	25.27	25.44	24.87	**25.19**	0.2933	1.164
Zinc	66	26.1	26.5	25.67	**26.09**	0.4118	1.578
Zinc	67	26.43	26.43	25.88	**26.25**	0.3156	1.202
Zinc	68	25.96	26.63	25.6	**26.06**	0.5187	1.99

Internal Standard Factors:

Scandium	45	1.099	1.118	1.113	**1.099**	n/a	n/a
Indium	115	1.04	1.044	1.038	**1.04**	n/a	n/a
Lutetium	175	1.008	0.997	0.998	**1.008**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB2**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:39**					
Antimony	121	0	0.0017	0.0022	**0.0013**	0.0012	89.8
Antimony	123	0.0034	0.0052	0.0016	**0.0034**	0.0018	52.39
Arsenic	75	0.0065	-0.0001	-0.0393	**-0.011**	0.0247	225.3
Beryllium	9	0.0052	0.0072	0.0041	**0.0055**	0.0016	28.35
Cadmium	111	0.004	0.0006	0.0014	**0.002**	0.0018	86.98
Cadmium	114	-0.0002	-0.0005	-0.0007	**-0.0005**	0.0002	52.4
Copper	63	0.0204	0.0258	0.0249	**0.0237**	0.0029	12.12
Copper	65	0.0057	0.0128	0.0108	**0.0098**	0.0037	37.42
Lead	206	-0.0032	-0.0017	-0.0005	**-0.0018**	0.0014	77.07
Lead	207	0.0008	0.0017	-0.0034	**-0.0003**	0.0027	869.3
Lead	208	-0.0007	-0.0005	-0.0007	**-0.0006**	0.0001	21.69
Molybdenum	95	0.0038	0.0056	0.0054	**0.0049**	0.001	19.46
Molybdenum	97	0.0035	0.0027	0.0092	**0.0052**	0.0036	68.98
Molybdenum	98	0.0031	0.0057	0.0021	**0.0036**	0.0018	49.72
Nickel	60	-0.0061	0.0067	0.0063	**0.0023**	0.0073	320.6
Nickel	62	0.0173	0.1913	0.0169	**0.0752**	0.1006	133.8
Selenium	77	0.1929	0.0607	0.1754	**0.143**	0.0718	50.23
Selenium	78	0.4467	0.228	0.3468	**0.3405**	0.1095	32.16
Selenium	82	0.1904	0.0744	-0.0231	**0.0806**	0.1069	132.7
Silver	107	0.0084	0.0058	0.0052	**0.0065**	0.0017	26.23
Silver	109	0.0096	0.0059	0.0048	**0.0068**	0.0025	37.13
Thallium	203	0.0014	0.0008	0.0008	**0.001**	0.0003	30.33
Thallium	205	0.0006	0.0009	0.0012	**0.0009**	0.0003	32.07
Zinc	66	-0.0016	0.0209	0.0088	**0.0093**	0.0113	120.7
Zinc	67	0.0684	0.1095	0.13	**0.1026**	0.0314	30.54
Zinc	68	0.069	0.082	0.0595	**0.0702**	0.0113	16.11

Internal Standard Factors:

Scandium	45	1.131	1.152	1.124	**1.131**	n/a	n/a
Indium	115	1.133	1.106	1.088	**1.133**	n/a	n/a
Lutetium	175	1.049	1.021	1.037	**1.049**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:48**					
Antimony	121	0.0268	0.03	0.0306	**0.0291**	0.002	6.952
Antimony	123	0.0222	0.0256	0.0246	**0.0242**	0.0017	7.194
Arsenic	75	29.61	30.29	30.19	**30.03**	0.3701	1.232
(1) ~~Beryllium~~	~~9~~	~~0.0236~~	~~0.0186~~	~~0.0227~~	~~**0.0217**~~	~~0.0027~~	~~12.28~~
Cadmium	111	1.143	1.117	1.114	**1.125**	0.0157	1.395
Cadmium	114	1.127	1.115	1.152	**1.131**	0.0188	1.663
Copper	63	17.67	18	17.88	**17.85**	0.1668	0.9345
Copper	65	17.52	17.73	17.52	**17.59**	0.1253	0.7125
Lead	206	0.3486	0.3334	0.3202	**0.3341**	0.0142	4.248
Lead	207	0.3896	0.385	0.3844	**0.3863**	0.0028	0.737
Lead	208	0.3639	0.3613	0.3564	**0.3606**	0.0038	1.059
Molybdenum	95	0.7889	0.8083	0.8023	**0.7998**	0.0099	1.242
Molybdenum	97	0.8303	0.7934	0.8146	**0.8128**	0.0185	2.274
Molybdenum	98	0.7753	0.7474	0.7675	**0.7634**	0.0144	1.883
Nickel	60	10.95	10.8	11.05	**10.93**	0.1272	1.163
Nickel	62	11.22	11.11	11.36	**11.23**	0.1287	1.147
Selenium	77	3.39	3.648	3.877	**3.638**	0.2436	6.696
Selenium	78	4.325	5.166	4.469	**4.653**	0.4497	9.664
Selenium	82	6.29	6.681	6.427	**6.466**	0.1982	3.065
Silver	107	2.641	2.629	2.678	**2.649**	0.0255	0.9641
Silver	109	2.59	2.647	2.698	**2.645**	0.0541	2.044
Thallium	203	0.0141	0.0174	0.0209	**0.0175**	0.0034	19.56
Thallium	205	0.0173	0.0146	0.0178	**0.0165**	0.0017	10.47
Zinc	66	143.9	147.2	145.8	**145.6**	1.615	1.109
Zinc	67	124.6	125.4	124.1	**124.7**	0.6541	0.5246
Zinc	68	136.8	138.9	137.8	**137.8**	1.024	0.7426

(1) Be out CCV2. See recal.

LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.249	1.228	1.201	**1.249**	n/a	n/a
Indium	115	1.238	1.219	1.204	**1.238**	n/a	n/a
Lutetium	175	1.098	1.057	1.081	**1.098**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004D 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:51**					
Antimony	121	0.0211	0.0208	0.0182	**0.02**	0.0016	8.001
Antimony	123	0.0258	0.0206	0.0187	**0.0217**	0.0037	16.94
Arsenic	75	29.16	29.68	29.33	**29.39**	0.2662	0.9057
(1) ~~Beryllium~~	~~9~~	~~0.024~~	~~0.0222~~	~~0.0192~~	~~**0.0218**~~	~~0.0024~~	~~11.1~~
Cadmium	111	1.057	1.128	1.093	**1.093**	0.0355	3.253
Cadmium	114	1.108	1.128	1.093	**1.11**	0.0178	1.605
Copper	63	17.46	17.52	17.24	**17.41**	0.1476	0.8483
Copper	65	17.08	17.1	17.17	**17.11**	0.0466	0.272
Lead	206	0.2612	0.2708	0.2532	**0.2617**	0.0088	3.351
Lead	207	0.3023	0.2926	0.2787	**0.2912**	0.0118	4.059
Lead	208	0.2851	0.2775	0.2789	**0.2805**	0.0041	1.445
Molybdenum	95	0.7792	0.7974	0.8546	**0.8104**	0.0394	4.857
Molybdenum	97	0.8335	0.8363	0.8188	**0.8296**	0.0094	1.132
Molybdenum	98	0.8055	0.8061	0.8302	**0.8139**	0.0141	1.734
Nickel	60	12.64	12.72	12.51	**12.62**	0.105	0.8317
Nickel	62	13.11	13.45	13.27	**13.28**	0.1708	1.287
Selenium	77	3.636	3.177	3.43	**3.414**	0.2302	6.743
Selenium	78	4.136	4.334	3.915	**4.129**	0.2097	5.08
Selenium	82	6.21	5.867	5.439	**5.839**	0.3865	6.619
Silver	107	2.574	2.605	2.611	**2.597**	0.02	0.7722
Silver	109	2.542	2.582	2.62	**2.581**	0.0389	1.509
Thallium	203	0.0138	0.0213	0.0151	**0.0167**	0.004	23.74
Thallium	205	0.0175	0.0157	0.0192	**0.0174**	0.0018	10.13
Zinc	66	138.8	140.7	140.3	**139.9**	1.027	0.7336
Zinc	67	120	120.4	121.5	**120.6**	0.7421	0.6152
Zinc	68	132.5	135	134.5	**134**	1.332	0.994

(1) Be out CCV2. See recal.

LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.12	1.13	1.131	**1.12**	n/a	n/a
Indium	115	1.101	1.114	1.139	**1.101**	n/a	n/a
Lutetium	175	1.013	1.017	1.036	**1.013**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004L 1/5 X 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:54**					
Antimony	121	0.004	0.0048	0.0055	**0.0048**	0.0007	15.55
Antimony	123	0.0093	0.0081	0.0093	**0.0089**	0.0007	7.821
Arsenic	75	6.115	5.867	6.048	**6.01**	0.1285	2.138
(1) ~~Beryllium~~	~~9~~	~~0.0073~~	~~0.0049~~	~~0.0024~~	~~**0.0049**~~	~~0.0024~~	~~50.08~~
Cadmium	111	0.1845	0.2274	0.2002	**0.204**	0.0217	10.65
Cadmium	114	0.2203	0.2065	0.2322	**0.2197**	0.0129	5.87
Copper	63	3.788	3.741	3.746	**3.758**	0.0258	0.6875
Copper	65	3.766	3.743	3.679	**3.73**	0.0449	1.205
Lead	206	0.0694	0.0597	0.0741	**0.0677**	0.0073	10.79
Lead	207	0.0952	0.088	0.0909	**0.0914**	0.0036	3.984
Lead	208	0.0817	0.0763	0.0791	**0.079**	0.0027	3.369
Molybdenum	95	0.1528	0.1689	0.1633	**0.1617**	0.0081	5.033
Molybdenum	97	0.1663	0.1607	0.1755	**0.1675**	0.0074	4.439
Molybdenum	98	0.1551	0.153	0.1545	**0.1542**	0.0011	0.691
Nickel	60	2.376	2.28	2.306	**2.321**	0.0497	2.141
Nickel	62	2.552	2.292	2.566	**2.47**	0.1543	6.245
Selenium	77	0.96	0.8882	0.9078	**0.9187**	0.0371	4.043
Selenium	78	1.861	2.13	2.043	**2.011**	0.1368	6.801
Selenium	82	1.932	1.361	1.755	**1.683**	0.2921	17.36
Silver	107	0.5645	0.5546	0.5529	**0.5573**	0.0063	1.128
Silver	109	0.5695	0.5541	0.5456	**0.5564**	0.0121	2.177
Thallium	203	0.0043	0.0042	0.0047	**0.0044**	0.0003	5.876
Thallium	205	0.0049	0.0043	0.0036	**0.0043**	0.0007	15.64
Zinc	66	29.87	29.62	29.39	**29.63**	0.2375	0.8018
Zinc	67	25.36	25.6	25.15	**25.37**	0.2259	0.8903
Zinc	68	28.3	28.25	28.67	**28.41**	0.2297	0.8086

(1) Be out CCV2. See recal.

LK 11/14/06

Internal Standard Factors:

Scandium	45	1.132	1.128	1.123	**1.132**	n/a	n/a
Indium	115	1.083	1.078	1.082	**1.083**	n/a	n/a
Lutetium	175	1.007	0.994	0.997	**1.007**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004A 1/5 + 25**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 11:57**					
Antimony	121	25.59	26.16	25.8	**25.85**	0.2845	1.101
Antimony	123	25.69	24.96	25.76	**25.47**	0.4424	1.737
Arsenic	75	54.48	54.2	54.22	**54.3**	0.1552	0.2858
(1) ~~Beryllium~~	~~9~~	~~30.5~~	~~30.02~~	~~30.21~~	~~**30.24**~~	~~0.2421~~	~~0.8006~~
Cadmium	111	26.12	26.36	26.67	**26.38**	0.2751	1.043
Cadmium	114	26.68	26.94	27.24	**26.95**	0.2835	1.052
Copper	63	42.02	41.77	42.1	**41.96**	0.171	0.4076
Copper	65	42.31	41.57	42.16	**42.01**	0.3931	0.9357
Lead	206	24.43	25.46	24.55	**24.81**	0.5637	2.272
Lead	207	25.65	25.47	24.9	**25.34**	0.3955	1.561
Lead	208	24.96	25.44	24.75	**25.05**	0.3562	1.422
Molybdenum	95	25.75	25.87	25.88	**25.83**	0.0745	0.2882
Molybdenum	97	26.1	26.12	26.24	**26.15**	0.0771	0.2947
Molybdenum	98	25.76	25.75	25.96	**25.82**	0.1199	0.4644
Nickel	60	35.19	35.11	35.32	**35.21**	0.1057	0.3001
Nickel	62	36.01	36.31	36.72	**36.35**	0.3574	0.9832
Selenium	77	29.08	28.97	30.69	**29.58**	0.9622	3.253
Selenium	78	28.98	30.57	30.48	**30.01**	0.8962	2.987
Selenium	82	31.64	31.57	32.15	**31.79**	0.3145	0.9894
Silver	107	26.36	26.1	26.43	**26.3**	0.1729	0.6576
Silver	109	26.24	26.3	26.44	**26.33**	0.102	0.3876
Thallium	203	25.03	25.57	24.49	**25.03**	0.5423	2.167
Thallium	205	24.5	25.08	24.82	**24.8**	0.292	1.177
(2) ~~Zinc~~	~~66~~	~~164.3~~	~~163.6~~	~~164.4~~	~~**164.1**~~	~~0.4172~~	~~0.2543~~
~~Zinc~~	~~67~~	~~144.9~~	~~143.6~~	~~144.9~~	~~**144.5**~~	~~0.7685~~	~~0.532~~
~~Zinc~~	~~68~~	~~157.8~~	~~155.6~~	~~157.7~~	~~**157**~~	~~1.222~~	~~0.7783~~

(1) Be out CCV2. See recal.

(2) Zn → see redilution / re-postpike.

LKC 11/14/06

Internal Standard Factors:

Scandium	45	1.145	1.144	1.138	**1.145**	n/a	n/a
Indium	115	1.094	1.1	1.081	**1.094**	n/a	n/a
Lutetium	175	1.029	1.038	1.001	**1.029**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004S 1/25**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:01**					
Antimony	121	17.62	17.67	17.53	**17.61**	0.0664	0.3773
Antimony	123	17.75	17.55	17.24	**17.52**	0.2568	1.466
Arsenic	75	13.27	13.14	12.94	**13.12**	0.1623	1.238
(1) ~~Beryllium~~	~~9~~	~~2.529~~	~~2.533~~	~~2.585~~	~~**2.549**~~	~~0.0312~~	~~1.222~~
Cadmium	111	2.293	2.244	2.221	**2.253**	0.0367	1.632
Cadmium	114	2.296	2.382	2.352	**2.343**	0.0433	1.846
Copper	63	14.64	14.23	14.15	**14.34**	0.261	1.82
Copper	65	14.64	14.39	13.92	**14.32**	0.3677	2.569
Lead	206	19.84	19.91	19.8	**19.85**	0.0532	0.2679
Lead	207	21.03	21.4	21.06	**21.16**	0.2078	0.9817
Lead	208	20.28	20.63	20.35	**20.42**	0.1878	0.9195
Molybdenum	95	6.929	7.052	6.973	**6.985**	0.0624	0.8934
Molybdenum	97	6.915	6.989	7.08	**6.994**	0.0826	1.181
Molybdenum	98	7.088	7.032	6.99	**7.036**	0.0493	0.7001
Nickel	60	23.64	23.51	23.41	**23.52**	0.1157	0.4918
Nickel	62	24.39	23.91	23.84	**24.05**	0.2998	1.247
Selenium	77	7.702	8.277	7.784	**7.921**	0.3112	3.929
Selenium	78	8.594	8.723	8.286	**8.534**	0.2245	2.631
Selenium	82	8.826	8.477	8.338	**8.547**	0.2515	2.942
Silver	107	1.337	1.268	1.316	**1.307**	0.0356	2.721
Silver	109	1.298	1.311	1.294	**1.301**	0.0085	0.6535
Thallium	203	6.709	6.816	6.852	**6.792**	0.0741	1.091
Thallium	205	6.662	6.975	6.729	**6.788**	0.1648	2.427
Zinc	66	51.73	50.76	50.52	**51**	0.6404	1.256
Zinc	67	51.8	53.09	51.61	**52.17**	0.8044	1.542
Zinc	68	53.39	53.95	53.35	**53.56**	0.3385	0.632

(1) Be out CCVZ. See recal.

LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.16	1.156	1.135	**1.16**	n/a	n/a
Indium	115	1.076	1.084	1.078	**1.076**	n/a	n/a
Lutetium	175	0.987	0.998	0.982	**0.987**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004 1/5 Redilution**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:06**					
Antimony	121	0.0301	0.025	0.0175	**0.0242**	0.0063	26.18
Antimony	123	0.027	0.0295	0.0218	**0.0261**	0.0039	15.05
Arsenic	75	30.1	30.8	30.96	**30.62**	0.4584	1.497
Beryllium	9	0.0331	0.0316	0.0329	**0.0325**	0.0008	2.587
Cadmium	111	1.081	1.119	1.124	**1.108**	0.0233	2.103
Cadmium	114	1.113	1.182	1.151	**1.149**	0.0346	3.01
Copper	63	17.92	18.49	18.14	**18.18**	0.2867	1.577
Copper	65	17.74	18.27	18.26	**18.09**	0.3028	1.674
Lead	206	0.3376	0.3497	0.3558	**0.3477**	0.0093	2.673
Lead	207	0.3772	0.3564	0.4068	**0.3801**	0.0253	6.655
Lead	208	0.3729	0.3564	0.3708	**0.3667**	0.009	2.448
Molybdenum	95	0.753	0.7985	0.741	**0.7642**	0.0303	3.969
Molybdenum	97	0.819	0.8093	0.8507	**0.8263**	0.0217	2.621
Molybdenum	98	0.7785	0.7666	0.7562	**0.7671**	0.0112	1.455
Nickel	60	11.04	11.32	11.08	**11.15**	0.1506	1.351
Nickel	62	11.69	11.41	11.83	**11.64**	0.2153	1.849
Selenium	77	3.543	3.587	3.873	**3.668**	0.1791	4.883
Selenium	78	4.246	4.388	5	**4.545**	0.4003	8.809
Selenium	82	6.744	7.212	7.168	**7.041**	0.2585	3.672
Silver	107	2.643	2.681	2.703	**2.676**	0.0306	1.142
Silver	109	2.631	2.683	2.654	**2.656**	0.0262	0.9849
Thallium	203	0.017	0.018	0.0173	**0.0174**	0.0005	3.129
Thallium	205	0.0157	0.0194	0.0168	**0.0173**	0.0019	11.18
Zinc	66	144.7	150	149.9	**148.2**	3.049	2.058
Zinc	67	126.3	127.8	129.3	**127.8**	1.518	1.187
Zinc	68	140	142.6	143.3	**141.9**	1.723	1.214

Not Needed.
JRK 11/14/06

Internal Standard Factors:

Scandium	45	1.198	1.227	1.223	**1.198**	n/a	n/a
Indium	115	1.151	1.154	1.158	**1.151**	n/a	n/a
Lutetium	175	1.029	1.021	1.006	**1.029**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004A 1/5 + 25**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:13**					
Antimony	121	25.9	26.07	26.71	**26.23**	0.431	1.643
Antimony	123	25.82	26.54	26.62	**26.32**	0.443	1.683
Arsenic	75	56.46	55.75	56.48	**56.23**	0.4167	0.741
Beryllium	9	30.69	30.46	31.22	**30.79**	0.3866	1.256
Cadmium	111	26.86	26.45	26.3	**26.53**	0.2887	1.088
Cadmium	114	27.08	27.02	27.28	**27.13**	0.1357	0.5004
Copper	63	41.73	41.92	43.65	**42.43**	1.057	2.49
Copper	65	41.57	41.65	43.23	**42.15**	0.9349	2.218
Lead	206	24.1	23.93	24.68	**24.24**	0.3913	1.615
Lead	207	23.99	24.55	25.12	**24.55**	0.5623	2.29
Lead	208	24.12	24.28	25.09	**24.49**	0.5239	2.139
Molybdenum	95	25.98	26.14	26.48	**26.2**	0.2539	0.9691
Molybdenum	97	26.76	26.29	26.78	**26.61**	0.2774	1.043
Molybdenum	98	26.61	26.26	26.6	**26.49**	0.1988	0.7507
Nickel	60	35.9	36.06	36.36	**36.1**	0.2368	0.6557
Nickel	62	36.43	36.81	37.21	**36.82**	0.3893	1.057
Selenium	77	27.94	29.49	31.62	**29.68**	1.848	6.226
Selenium	78	29.95	28.88	29.89	**29.57**	0.6006	2.031
Selenium	82	31.99	31.15	32.63	**31.92**	0.742	2.324
Silver	107	2.614	2.597	2.636	**2.616**	0.0194	0.7428
Silver	109	2.589	2.599	2.609	**2.599**	0.01	0.3847
Thallium	203	24.26	24.18	25	**24.48**	0.451	1.842
Thallium	205	23.93	24.16	24.45	**24.18**	0.2626	1.086
Zinc	66	166.9	168.5	171.2	**168.9**	2.167	1.283
Zinc	67	147.2	148.1	150.3	**148.5**	1.599	1.077
Zinc	68	161.4	161.8	164.9	**162.7**	1.928	1.185

RK 11/14/06

Internal Standard Factors:

Scandium	45	1.228	1.205	1.232	**1.228**	n/a	n/a
Indium	115	1.186	1.153	1.146	**1.186**	n/a	n/a
Lutetium	175	1.03	1.01	1.019	**1.03**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004S 1/25 Redilution**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:16**					
Antimony	121	17.22	17.28	17.59	**17.36**	0.1974	1.137
Antimony	123	17.23	17.15	17.02	**17.13**	0.104	0.6069
Arsenic	75	12.97	12.76	12.7	**12.81**	0.1418	1.107
Beryllium	9	2.514	2.495	2.461	**2.49**	0.0267	1.072
Cadmium	111	2.252	2.294	2.333	**2.293**	0.0404	1.763
Cadmium	114	2.362	2.281	2.256	**2.3**	0.0556	2.416
Copper	63	14.46	14.4	14.07	**14.31**	0.2093	1.462
Copper	65	14.33	14.38	14.03	**14.25**	0.1859	1.305
Lead	206	19.37	19.55	19.94	**19.62**	0.2893	1.475
Lead	207	21.59	21.37	21.31	**21.42**	0.1508	0.7041
Lead	208	20.47	20.49	20.75	**20.57**	0.1554	0.7557
Molybdenum	95	6.993	6.959	6.939	**6.964**	0.0274	0.3932
Molybdenum	97	7.053	6.981	7.092	**7.042**	0.0565	0.802
Molybdenum	98	6.983	7.051	7.029	**7.021**	0.0348	0.4953
Nickel	60	24.03	23.46	23.71	**23.74**	0.2872	1.21
Nickel	62	24.53	24.1	24.06	**24.23**	0.2595	1.071
Selenium	77	7.475	7.201	7.525	**7.401**	0.1749	2.363
Selenium	78	8.344	7.696	8.092	**8.044**	0.3268	4.062
Selenium	82	8.384	8.487	8.241	**8.371**	0.1238	1.479
Silver	107	1.292	1.276	1.286	**1.285**	0.0077	0.5996
Silver	109	1.281	1.268	1.284	**1.278**	0.0085	0.6628
Thallium	203	6.726	6.804	6.949	**6.826**	0.1133	1.659
Thallium	205	6.709	6.805	6.934	**6.816**	0.1132	1.661
Zinc	66	49.47	49.06	48.73	**49.09**	0.3698	0.7533
Zinc	67	50.14	50.04	49.97	**50.05**	0.0834	0.1667
Zinc	68	52.19	51.62	51.08	**51.63**	0.5565	1.078

Not Needed.
Checking Ag.
LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.152	1.146	1.146	**1.152**	n/a	n/a
Indium	115	1.052	1.063	1.076	**1.052**	n/a	n/a
Lutetium	175	0.974	0.974	0.983	**0.974**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV3 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:19**					
Antimony	121	25	25.52	24.62	**25.05**	0.4508	1.799
Antimony	123	25.1	25.02	24.56	**24.89**	0.2905	1.167
Arsenic	75	25.74	24.96	25.51	**25.4**	0.405	1.594
Beryllium	9	31.06	30.65	30.84	**30.85**	0.2026	0.6568
Cadmium	111	24.16	24.51	24.86	**24.51**	0.3548	1.447
Cadmium	114	24.64	24.93	25.14	**24.9**	0.2549	1.023
Copper	63	26.71	25.99	25.79	**26.16**	0.4854	1.855
Copper	65	26.71	26.28	26.1	**26.36**	0.314	1.191
Lead	206	25.07	25.01	24.91	**25**	0.0853	0.3413
Lead	207	25.9	25.72	25.63	**25.75**	0.1347	0.5233
Lead	208	25.36	25.62	25.38	**25.45**	0.1433	0.5629
Molybdenum	95	24.16	24.18	24.07	**24.14**	0.0613	0.2541
Molybdenum	97	24.55	24.3	24.53	**24.46**	0.1364	0.5577
Molybdenum	98	24.46	23.98	24.28	**24.24**	0.2393	0.987
Nickel	60	26.01	26.41	25.91	**26.11**	0.2681	1.027
Nickel	62	26.89	26.76	26.29	**26.65**	0.3173	1.191
Selenium	77	25.51	25.95	25.5	**25.66**	0.2589	1.009
Selenium	78	26.41	25.07	25.53	**25.67**	0.6838	2.664
Selenium	82	26.02	23.38	24.17	**24.52**	1.358	5.538
Silver	107	24.97	24.66	24.83	**24.82**	0.1528	0.6156
Silver	109	24.9	24.75	24.79	**24.82**	0.0762	0.3071
Thallium	203	25.3	25.64	25.52	**25.49**	0.17	0.6671
Thallium	205	25.32	25.62	25.35	**25.43**	0.1629	0.6405
Zinc	66	27.19	26.82	26.7	**26.9**	0.2531	0.9408
Zinc	67	27.32	26.4	26.66	**26.79**	0.4739	1.769
Zinc	68	26.99	26.86	26.88	**26.91**	0.0685	0.2545

Internal Standard Factors:

Scandium	45	1.179	1.165	1.162	**1.179**	n/a	n/a
Indium	115	1.043	1.042	1.058	**1.043**	n/a	n/a
Lutetium	175	0.977	0.982	0.976	**0.977**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB3**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:26**					
Antimony	121	0.0008	0.0029	0.0016	**0.0018**	0.001	58.48
Antimony	123	0.0017	0.0028	0.002	**0.0022**	0.0006	26.42
Arsenic	75	0.0595	0.0666	0.0909	**0.0724**	0.0165	22.77
Beryllium	9	0.0112	0.0132	0.0146	**0.013**	0.0017	13.14
Cadmium	111	0.0007	0.0039	0.0006	**0.0017**	0.0019	108.8
Cadmium	114	0.0038	-0.0002	0.0011	**0.0015**	0.002	132.4
Copper	63	0.0205	0.0237	0.0256	**0.0233**	0.0026	11.07
Copper	65	0.0262	0.0422	0.0167	**0.0284**	0.0129	45.38
Lead	206	0.0006	-0.0005	0.0012	**0.0005**	0.0008	183.2
Lead	207	0.0018	-0.0011	-0.0018	**-0.0004**	0.0019	535.8
Lead	208	0.0009	0.0001	0.0007	**0.0006**	0.0004	68.45
Molybdenum	95	0.0057	0.0054	0.0071	**0.0061**	0.0009	14.86
Molybdenum	97	0.0041	0.0116	0.0064	**0.0074**	0.0038	51.97
Molybdenum	98	0.0026	0.0065	0.0044	**0.0045**	0.0019	42.93
Nickel	60	0.0291	0.0498	0.037	**0.0386**	0.0105	27.09
Nickel	62	0.0603	0.0371	0.1349	**0.0775**	0.0511	65.96
Selenium	77	0.2479	0.0234	-0.0784	**0.0643**	0.1669	259.5
Selenium	78	0.7419	1.139	0.8167	**0.8993**	0.2112	23.49
Selenium	82	0.4373	0.2452	0.2494	**0.3107**	0.1097	35.33
Silver	107	0.007	0.0076	0.0051	**0.0066**	0.0013	19.84
Silver	109	0.0077	0.0062	0.0049	**0.0063**	0.0014	22.4
Thallium	203	0.003	0.0008	0.0005	**0.0014**	0.0014	94.29
Thallium	205	0.0008	0.0008	0.0007	**0.0008**	0.0001	13.32
Zinc	66	0.0527	0.0336	0.0034	**0.0299**	0.0249	83.01
Zinc	67	0.1971	0.0947	0.1603	**0.1507**	0.0519	34.41
Zinc	68	0.1446	0.1522	0.1226	**0.1398**	0.0154	11.01

Internal Standard Factors:

Scandium	45	1.204	1.232	1.192	**1.204**	n/a	n/a
Indium	115	1.107	1.098	1.091	**1.107**	n/a	n/a
Lutetium	175	1.034	1.001	1.003	**1.034**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-001 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:30**					
Antimony	121	0.0388	0.041	0.0349	**0.0382**	0.0031	8.185
Antimony	123	0.0342	0.0375	0.0344	**0.0354**	0.0018	5.211
Arsenic	75	18.51	18.74	18.95	**18.73**	0.2232	1.191
Beryllium	9	0.0405	0.0406	0.0309	**0.0373**	0.0056	14.95
Cadmium	111	1.922	1.914	1.906	**1.914**	0.0082	0.4281
Cadmium	114	2.071	2.064	2.069	**2.068**	0.0038	0.1858
Copper	63	55.39	56.12	55.32	**55.61**	0.4416	0.7942
Copper	65	54.92	55.14	55.93	**55.33**	0.5299	0.9577
Lead	206	0.4526	0.4587	0.4372	**0.4495**	0.0111	2.46
Lead	207	0.5179	0.5145	0.5352	**0.5225**	0.0111	2.125
Lead	208	0.4835	0.4941	0.4896	**0.489**	0.0053	1.084
Molybdenum	95	2.039	2.012	2.071	**2.041**	0.0295	1.444
Molybdenum	97	2.139	2.177	2.16	**2.159**	0.0191	0.8841
Molybdenum	98	2.013	2.056	2.042	**2.037**	0.0216	1.063
Nickel	60	5.54	5.597	5.529	**5.556**	0.0365	0.6568
Nickel	62	5.777	5.633	5.496	**5.635**	0.1405	2.494
Selenium	77	5.834	6.201	5.973	**6.003**	0.1849	3.081
Selenium	78	5.35	6.692	5.935	**5.992**	0.6729	11.23
Selenium	82	13.06	12.94	13.24	**13.08**	0.1517	1.16
Silver	107	0.3887	0.3979	0.4023	**0.3963**	0.0069	1.742
Silver	109	0.4042	0.4245	0.4114	**0.4134**	0.0103	2.494
Thallium	203	0.0264	0.0249	0.0177	**0.023**	0.0046	20.17
Thallium	205	0.0239	0.0234	0.0199	**0.0224**	0.0022	9.687
Zinc	66	257.8	259.4	262.2	**259.8**	2.187	0.8417
Zinc	67	221	224.5	225.8	**223.8**	2.467	1.103
Zinc	68	246.5	250.1	250.6	**249.1**	2.257	0.9062

Sc out next CCB.
See recal.
JRK 11/14/06

Internal Standard Factors:

Scandium	45	1.219	1.204	1.207	**1.219**	n/a	n/a
Indium	115	1.176	1.175	1.186	**1.176**	n/a	n/a
Lutetium	175	1.039	1.037	1.017	**1.039**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-002 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:33**					
Antimony	121	0.0141	0.0157	0.0167	**0.0155**	0.0013	8.568
Antimony	123	0.0183	0.0176	0.0208	**0.0189**	0.0017	8.933
Arsenic	75	26.83	27.61	26.92	**27.12**	0.4278	1.577
Beryllium	9	0.0241	0.0135	0.0173	**0.0183**	0.0054	29.37
Cadmium	111	1.001	1.049	1.05	**1.034**	0.0281	2.715
Cadmium	114	1.081	1.069	1.064	**1.071**	0.0085	0.7969
Copper	63	17.18	17.49	17.41	**17.36**	0.1624	0.9353
Copper	65	16.8	17.42	17.17	**17.13**	0.3137	1.831
Lead	206	0.1106	0.1217	0.1182	**0.1169**	0.0057	4.847
Lead	207	0.1272	0.1296	0.1193	**0.1254**	0.0054	4.278
Lead	208	0.1207	0.1227	0.1195	**0.121**	0.0016	1.333
Molybdenum	95	0.5643	0.651	0.5836	**0.5996**	0.0455	7.591
Molybdenum	97	0.5877	0.6686	0.6392	**0.6318**	0.0409	6.479
Molybdenum	98	0.6054	0.6042	0.6208	**0.6101**	0.0092	1.515
Nickel	60	6.136	6.28	6.218	**6.212**	0.0724	1.165
Nickel	62	6.717	6.54	6.46	**6.572**	0.1317	2.005
Selenium	77	3.926	3.822	3.769	**3.839**	0.0801	2.087
Selenium	78	4.366	4.502	4.444	**4.437**	0.0684	1.541
Selenium	82	7.073	7.49	6.666	**7.076**	0.4121	5.824
Silver	107	0.6417	0.6533	0.6697	**0.6549**	0.014	2.143
Silver	109	0.6408	0.6774	0.6495	**0.6559**	0.0191	2.913
Thallium	203	0.0162	0.0138	0.0122	**0.0141**	0.002	14.42
Thallium	205	0.0147	0.0151	0.017	**0.0156**	0.0013	8.096
Zinc	66	136.8	141.3	140.1	**139.4**	2.319	1.664
Zinc	67	117.6	122.3	118.3	**119.4**	2.548	2.134
Zinc	68	131.8	134.1	133	**132.9**	1.162	0.8742

Sc out next CCB.
See recal.
RK 11/14/06

Internal Standard Factors:

Scandium	45	1.171	1.229	1.216	**1.171**	n/a	n/a
Indium	115	1.098	1.124	1.129	**1.098**	n/a	n/a
Lutetium	175	0.999	1.011	0.995	**0.999**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-003 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:36**					
Antimony	121	0.025	0.0207	0.0257	**0.0238**	0.0027	11.32
Antimony	123	0.0248	0.028	0.034	**0.029**	0.0047	16.08
Arsenic	75	36.57	36.35	36.75	**36.56**	0.2012	0.5503
Beryllium	9	0.0213	0.0166	0.0159	**0.0179**	0.0029	16.34
Cadmium	111	1.196	1.203	1.215	**1.205**	0.0095	0.7869
Cadmium	114	1.235	1.271	1.196	**1.234**	0.0376	3.043
Copper	63	17.48	17.87	17.88	**17.74**	0.2265	1.277
Copper	65	17.15	17.55	17.63	**17.44**	0.2557	1.466
Lead	206	0.1027	0.103	0.1121	**0.1059**	0.0054	5.076
Lead	207	0.1221	0.1118	0.1181	**0.1173**	0.0052	4.419
Lead	208	0.116	0.1126	0.112	**0.1136**	0.0021	1.872
Molybdenum	95	0.61	0.6061	0.5899	**0.602**	0.0107	1.776
Molybdenum	97	0.6117	0.6191	0.6169	**0.6159**	0.0038	0.6148
Molybdenum	98	0.5758	0.5929	0.5897	**0.5861**	0.0091	1.548
Nickel	60	4.784	4.908	5.058	**4.916**	0.1373	2.794
Nickel	62	4.952	4.884	5.375	**5.07**	0.2661	5.249
Selenium	77	4.33	5.424	4.707	**4.821**	0.5558	11.53
Selenium	78	5.722	5.439	5.933	**5.698**	0.248	4.353
Selenium	82	7.392	7.862	7.816	**7.69**	0.2592	3.37
Silver	107	2.574	2.622	2.602	**2.599**	0.0237	0.9112
Silver	109	2.584	2.588	2.594	**2.589**	0.0054	0.2082
Thallium	203	0.0119	0.0138	0.0123	**0.0127**	0.001	8.12
Thallium	205	0.0118	0.0126	0.0116	**0.012**	0.0005	4.414
Zinc	66	147.1	147.6	149.7	**148.2**	1.394	0.9407
Zinc	67	124.9	125.7	128.1	**126.2**	1.695	1.343
Zinc	68	141.9	141.1	143.1	**142**	1.031	0.7262

Sc out next CCB.
See recal.
LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.246	1.256	1.279	**1.246**	n/a	n/a
Indium	115	1.128	1.131	1.13	**1.128**	n/a	n/a
Lutetium	175	1.01	0.999	1.005	**1.01**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-005 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:39**					
Antimony	121	0.0315	0.0283	0.0288	**0.0295**	0.0018	5.966
Antimony	123	0.0251	0.0301	0.0227	**0.026**	0.0037	14.4
Arsenic	75	54.97	54.9	55.4	**55.09**	0.2693	0.4888
Beryllium	9	0.0485	0.0539	0.0571	**0.0532**	0.0044	8.196
Cadmium	111	1.826	1.821	1.869	**1.839**	0.0266	1.449
Cadmium	114	1.833	1.878	1.941	**1.884**	0.0539	2.859
Copper	63	62.87	60.87	62.01	**61.92**	1.002	1.618
Copper	65	64.9	61.91	62.72	**63.18**	1.545	2.445
Lead	206	0.3897	0.4138	0.414	**0.4058**	0.014	3.45
Lead	207	0.4614	0.4443	0.4717	**0.4591**	0.0138	3.014
Lead	208	0.4286	0.4353	0.4535	**0.4391**	0.0129	2.937
Molybdenum	95	1.188	1.162	1.183	**1.178**	0.0141	1.193
Molybdenum	97	1.236	1.173	1.213	**1.208**	0.0319	2.642
Molybdenum	98	1.146	1.13	1.147	**1.141**	0.0097	0.8545
Nickel	60	13.73	13.44	13.47	**13.55**	0.158	1.166
Nickel	62	14.67	13.97	14.92	**14.52**	0.4943	3.404
Selenium	77	5.418	5.998	5.704	**5.707**	0.2901	5.083
Selenium	78	5.15	5.046	5.333	**5.176**	0.1452	2.805
Selenium	82	9.928	9.309	9.817	**9.685**	0.3299	3.407
Silver	107	0.3053	0.2946	0.2973	**0.2991**	0.0056	1.858
Silver	109	0.3046	0.2963	0.2999	**0.3003**	0.0042	1.388
Thallium	203	0.0195	0.0223	0.018	**0.0199**	0.0022	11.06
Thallium	205	0.0185	0.0174	0.0159	**0.0173**	0.0013	7.521
Zinc	66	155.5	148.1	151.6	**151.7**	3.679	2.425
Zinc	67	132.6	129.3	131.3	**131.1**	1.627	1.241
Zinc	68	145.5	142.3	145.4	**144.4**	1.847	1.279

Sc out next CCB.
See recal.
RK 11/14/06

Internal Standard Factors:

Scandium	45	1.203	1.124	1.163	**1.203**	n/a	n/a
Indium	115	1.11	1.092	1.106	**1.11**	n/a	n/a
Lutetium	175	0.978	0.971	0.993	**0.978**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-006 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:42**					
Antimony	121	0.0401	0.0334	0.0433	**0.0389**	0.0051	13.07
Antimony	123	0.0451	0.0294	0.0408	**0.0385**	0.0081	21.14
Arsenic	75	18.36	19.35	19.07	**18.93**	0.5104	2.697
Beryllium	9	0.0505	0.0625	0.0511	**0.0547**	0.0068	12.36
Cadmium	111	1.771	1.714	1.799	**1.761**	0.0433	2.459
Cadmium	114	1.728	1.783	1.761	**1.757**	0.0276	1.573
Copper	63	72.03	74.55	73.57	**73.38**	1.268	1.728
Copper	65	72.75	74.59	73.72	**73.68**	0.9201	1.249
Lead	206	0.6275	0.6773	0.6868	**0.6639**	0.0318	4.796
Lead	207	0.7317	0.7092	0.7388	**0.7266**	0.0155	2.128
Lead	208	0.6958	0.7045	0.7197	**0.7066**	0.0121	1.712
Molybdenum	95	2.39	2.433	2.474	**2.432**	0.0422	1.734
Molybdenum	97	2.388	2.492	2.503	**2.461**	0.0635	2.579
Molybdenum	98	2.25	2.373	2.337	**2.32**	0.0636	2.742
Nickel	60	9.325	9.488	9.351	**9.388**	0.0878	0.9353
Nickel	62	10.27	10.56	10.03	**10.29**	0.2679	2.605
Selenium	77	6.417	6.215	6.208	**6.28**	0.1185	1.887
Selenium	78	5.058	5.821	5.465	**5.448**	0.3818	7.009
Selenium	82	12.11	12.97	13.28	**12.79**	0.6102	4.773
Silver	107	0.1585	0.1724	0.1686	**0.1665**	0.0072	4.307
Silver	109	0.1605	0.1731	0.1716	**0.1684**	0.0069	4.093
Thallium	203	0.0494	0.055	0.0539	**0.0527**	0.003	5.618
Thallium	205	0.0523	0.0511	0.0543	**0.0526**	0.0016	3.004
Zinc	66	206.7	213.8	212.8	**211.1**	3.808	1.804
Zinc	67	181.8	187	182.3	**183.7**	2.864	1.559
Zinc	68	199.9	203.4	201.7	**201.7**	1.776	0.8804

Sc out next CCB.
See recal.
JRK 11/14/06

Internal Standard Factors:

Scandium	45	1.193	1.232	1.212	**1.193**	n/a	n/a
Indium	115	1.149	1.168	1.177	**1.149**	n/a	n/a
Lutetium	175	1.018	1.021	1.031	**1.018**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-007 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:45**					
Antimony	121	0.0252	0.0193	0.0204	**0.0216**	0.0031	14.5
Antimony	123	0.0266	0.0233	0.0272	**0.0257**	0.0021	8.063
Arsenic	75	38.7	39.7	39.3	**39.23**	0.5041	1.285
Beryllium	9	0.0196	0.0246	0.0201	**0.0214**	0.0028	12.99
Cadmium	111	1.102	1.128	1.048	**1.092**	0.0406	3.716
Cadmium	114	1.05	1.136	1.129	**1.105**	0.0476	4.308
Copper	63	36.7	36.86	36.18	**36.58**	0.3577	0.9778
Copper	65	37	37.78	36.67	**37.15**	0.5724	1.541
Lead	206	0.2866	0.2985	0.2982	**0.2945**	0.0068	2.297
Lead	207	0.3423	0.3427	0.351	**0.3453**	0.0049	1.426
Lead	208	0.3111	0.3162	0.3225	**0.3166**	0.0057	1.801
Molybdenum	95	0.9638	0.9772	0.9722	**0.9711**	0.0067	0.6934
Molybdenum	97	0.9913	0.9866	0.9708	**0.9829**	0.0107	1.093
Molybdenum	98	0.9255	0.9619	0.9809	**0.9561**	0.0282	2.946
Nickel	60	9.989	9.891	9.978	**9.953**	0.0537	0.5398
Nickel	62	10.43	10.66	10.49	**10.53**	0.1206	1.145
Selenium	77	4.583	4.31	4.419	**4.437**	0.1374	3.096
Selenium	78	5.153	5.679	5.042	**5.291**	0.3402	6.43
Selenium	82	8.681	9.148	8.375	**8.735**	0.3891	4.455
Silver	107	0.1483	0.1658	0.1551	**0.1564**	0.0088	5.655
Silver	109	0.1568	0.157	0.1585	**0.1574**	0.0009	0.5853
Thallium	203	0.0111	0.0127	0.0147	**0.0129**	0.0018	14.04
Thallium	205	0.0165	0.0145	0.0149	**0.0153**	0.0011	6.952
Zinc	66	158.6	160.5	159.6	**159.6**	0.9683	0.6069
Zinc	67	134.6	138.4	134.5	**135.8**	2.195	1.616
Zinc	68	149.1	152.1	149.9	**150.3**	1.53	1.018

Sc out next CCB.
See recal.
LRK 11/14/06

Internal Standard Factors:

Scandium	45	1.253	1.273	1.259	**1.253**	n/a	n/a
Indium	115	1.136	1.155	1.145	**1.136**	n/a	n/a
Lutetium	175	1.005	1	1.009	**1.005**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV4 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:48**					
Antimony	121	24.82	24.71	25.33	**24.95**	0.3262	1.307
Antimony	123	24.83	24.85	24.52	**24.73**	0.1834	0.7417
Arsenic	75	26.38	25.5	26.04	**25.97**	0.4428	1.705
Beryllium	9	32.03	30.98	32.87	**31.96**	0.9451	2.957
Cadmium	111	25	24.91	25.11	**25.01**	0.1033	0.4132
Cadmium	114	25.64	25.16	24.73	**25.18**	0.4526	1.798
Copper	63	27.39	25.66	26.52	**26.52**	0.8657	3.264
Copper	65	27.05	26.04	26.74	**26.61**	0.519	1.951
Lead	206	25.37	25.35	25.42	**25.38**	0.0323	0.1274
Lead	207	25.7	25.84	25.09	**25.55**	0.3985	1.56
Lead	208	25.47	25.66	25.1	**25.41**	0.2864	1.127
Molybdenum	95	24.08	23.89	24.45	**24.14**	0.2827	1.171
Molybdenum	97	24.19	23.99	24.34	**24.17**	0.1717	0.7103
Molybdenum	98	23.98	23.98	24.58	**24.18**	0.3494	1.445
Nickel	60	26.38	26.05	26.34	**26.26**	0.1796	0.6838
Nickel	62	27.5	26.3	26.33	**26.71**	0.6814	2.551
Selenium	77	25.98	24.45	26.19	**25.54**	0.9531	3.732
Selenium	78	26.31	25.53	26.19	**26.01**	0.4224	1.624
Selenium	82	26.93	24.55	25.35	**25.61**	1.212	4.733
Silver	107	25.15	24.59	25.2	**24.98**	0.3369	1.349
Silver	109	25.28	24.98	25.18	**25.15**	0.1502	0.5971
Thallium	203	25.42	26.45	25.25	**25.71**	0.6514	2.534
Thallium	205	25.64	25.74	25.85	**25.75**	0.1058	0.4108
Zinc	66	27.46	26.62	27.53	**27.2**	0.5078	1.867
Zinc	67	27.31	26.65	27.49	**27.15**	0.4445	1.637
Zinc	68	27.61	26.81	27.52	**27.31**	0.4408	1.614

Internal Standard Factors:

Scandium	45	1.206	1.186	1.238	**1.206**	n/a	n/a
Indium	115	1.033	1.041	1.057	**1.033**	n/a	n/a
Lutetium	175	0.96	0.972	0.956	**0.96**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB4**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:55**					
Antimony	121	-0.0003	0.0006	0.0048	**0.0017**	0.0027	162.3
Antimony	123	0.0018	0.0009	0.0013	**0.0014**	0.0004	32.1
Arsenic	75	0.1113	0.0755	0.0059	**0.0642**	0.0536	83.48
Beryllium	9	0.0099	0.0116	0.0121	**0.0112**	0.0012	10.33
Cadmium	111	-0.0001	0.0007	0.0007	**0.0004**	0.0005	116.1
Cadmium	114	-0.0012	-0.0014	-0.0026	**-0.0017**	0.0007	43.78
Copper	63	0.0333	0.027	0.0289	**0.0297**	0.0032	10.8
Copper	65	0.0203	0.0394	0.0396	**0.0331**	0.0111	33.58
Lead	206	-0.0019	-0.0007	0.0021	**-0.0002**	0.0021	1234
Lead	207	0.0003	-0.0011	-0.0026	**-0.0012**	0.0014	125.3
Lead	208	-0.0006	-0.0005	0.0003	**-0.0003**	0.0004	175
Molybdenum	95	0.0078	0.0026	0.0025	**0.0043**	0.003	70.07
Molybdenum	97	0.0045	0.0102	0.0049	**0.0066**	0.0032	48.57
Molybdenum	98	0.0042	0.0037	0.004	**0.004**	0.0003	7.422
Nickel	60	0.0121	0.0399	0.0408	**0.0309**	0.0164	52.86
Nickel	62	0.1347	0.0624	0.1086	**0.1019**	0.0366	35.91
Selenium	77	0.0847	0.096	0.508	**0.2296**	0.2412	105.1
Selenium	78	0.9284	1.234	1.259	**1.141**	0.1842	16.15
Selenium	82	0.3864	0.2356	0.3806	**0.3342**	0.0854	25.57
Silver	107	0.0068	0.0097	0.0056	**0.0074**	0.0021	28.98
Silver	109	0.0074	0.007	0.0046	**0.0063**	0.0015	24.22
Thallium	203	0.0003	0.001	0.0001	**0.0005**	0.0005	102.7
Thallium	205	0.0015	0.0016	0.0011	**0.0014**	0.0003	18.99
Zinc	66	0.0245	0.0548	0.0376	**0.039**	0.0152	39.06
Zinc	67	0.2548	0.191	0.1337	**0.1932**	0.0606	31.37
Zinc	68	0.1331	0.1777	0.1794	**0.1634**	0.0263	16.07

Internal Standard Factors:

Scandium	45	1.288	1.301	1.279	**1.288**	n/a	n/a
Indium	115	1.142	1.125	1.112	**1.142**	n/a	n/a
Lutetium	175	1.029	1.001	0.989	**1.029**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06A
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB4**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 12:59**					
Antimony	121	0.0005	0.0002	-0.0001	**0.0002**	0.0003	178.2
Antimony	123	-0.0014	0.0013	0.002	**0.0006**	0.0018	292.3
Arsenic	75	0.1049	0.0602	0.125	**0.0967**	0.0332	34.31
Beryllium	9	0.0071	0.0099	0.009	**0.0087**	0.0015	16.99
Cadmium	111	-0.0002	0.0015	0.0023	**0.0012**	0.0012	103.8
Cadmium	114	-0.0033	-0.0016	-0.0041	**-0.003**	0.0013	43.53
Copper	63	0.034	0.0321	0.0295	**0.0319**	0.0023	7.13
Copper	65	0.0444	0.0231	0.0442	**0.0372**	0.0123	32.94
Lead	206	-0.0015	-0.0002	-0.0013	**-0.001**	0.0007	69.9
Lead	207	0.0016	0	-0.0026	**-0.0003**	0.0021	632.5
Lead	208	0.0002	-0.0001	-0.0004	**-0.0001**	0.0003	248.2
Molybdenum	95	0.0033	0.004	0.0017	**0.003**	0.0012	39.47
Molybdenum	97	0.0081	0.0074	0.003	**0.0062**	0.0028	45.26
Molybdenum	98	0.0008	0.0008	0.001	**0.0009**	0.0001	15.05
Nickel	60	0.0434	0.0387	0.052	**0.0447**	0.0067	15.07
Nickel	62	0.1557	0.1016	0.2145	**0.1573**	0.0565	35.91
Selenium	77	0.158	0.1374	-0.1927	**0.0342**	0.1968	575.1
Selenium	78	0.8776	0.8685	1.273	**1.006**	0.2311	22.96
Selenium	82	0.5106	0.2917	0.3011	**0.3678**	0.1238	33.65
Silver	107	0.004	0.002	0.0045	**0.0035**	0.0013	38.26
Silver	109	0.0025	0.0014	0.0044	**0.0028**	0.0015	53.33
Thallium	203	-0.0004	-0.0002	0.0019	**0.0005**	0.0013	276.3
Thallium	205	-0.0004	0.0006	0.0002	**0.0001**	0.0005	490.7
Zinc	66	0.0352	0.0505	0.0234	**0.0364**	0.0136	37.35
Zinc	67	0.172	0.2283	0.163	**0.1877**	0.0354	18.86
Zinc	68	0.1442	0.1858	0.1481	**0.1594**	0.0229	14.39

Internal Standard Factors:

Scandium	45	1.279	1.266	1.281	**1.279**	n/a	n/a
Indium	115	1.109	1.106	1.099	**1.109**	n/a	n/a
Lutetium	175	1.013	0.999	0.995	**1.013**	n/a	n/a

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	acqmet11	9:39:11 11/14/06

Instrument Setup - Configurations

Configuration Name - acqmet11
Description - PQExcell CCT Sim Default
Date - 9:39:11 11/14/06
Maximum Uptake Time - 0
Maximum Washout Time - 0
S-Option Pump Running - No
Plasma Screen Forward - No
Makeup Gas On - No
Use CCT - No
Use Accessory Gas - No

Setting	Value
Extraction	-555.00
Lens1	7.50
Lens2	-43.00
Lens3	-4.00
Pole Bias	1.00
Sampling Depth	442.00
Horizontal	-46.00
Vertical	99.00
Cool	13.00
Auxiliary	0.75
Nebuliser	0.84
Forward power	1,360.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-30.00
Focus	18.00

Sample List

Num	Label	Type	Weight	Volume	Dilution
1	Calibration Blank	Blank	0 kg	0 ml	1.00
2	25 ppb Std. MS10-2-A	Fully Quant Standard	0 kg	0 ml	1.00
3	ICV MS9-95-F	Unknown	0 kg	0 ml	1.00
4	CCV1 MS10-2-A	Unknown	0 kg	0 ml	1.00
5	ICB1	Unknown	0 kg	0 ml	1.00
6	CCB1	Unknown	0 kg	0 ml	1.00
7	CRA MS9-95-H	Unknown	0 kg	0 ml	1.00
8	K0608915-001 1/5	Unknown	0 kg	0 ml	1.00
9	K0608915-002 1/5	Unknown	0 kg	0 ml	1.00
10	K0608915-003 1/5	Unknown	0 kg	0 ml	1.00
11	K0608915-005 1/5	Unknown	0 kg	0 ml	1.00
12	K0608915-006 1/5	Unknown	0 kg	0 ml	1.00
13	K0608915-007 1/5	Unknown	0 kg	0 ml	1.00
14	CCV2 MS10-2-A	Unknown	0 kg	0 ml	1.00
15	CCB2	Unknown	0 kg	0 ml	1.00

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**Calibration Blank**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 13:39**					
Antimony	121	0.0004	0.0005	-0.0009	**0**	0.0008	0
Antimony	123	-0.0012	-0.0004	0.0016	**0**	0.0014	0
Arsenic	75	0.0593	-0.0457	-0.0136	**0**	0.0538	0
Cadmium	111	-0.0005	0.0018	-0.0013	**0**	0.0016	0
Cadmium	114	-0.0009	-0.0007	0.0016	**0**	0.0014	0
Copper	63	0.0074	0	-0.0074	**0**	0.0074	0
Copper	65	-0.0044	0.0061	-0.0017	**0**	0.0054	0
Lead	206	-0.0019	0.0025	-0.0006	**0**	0.0023	0
Lead	207	-0.0031	0.0017	0.0014	**0**	0.0027	0
Lead	208	-0.0011	0.0008	0.0003	**0**	0.0009	0
Molybdenum	95	0.0011	0.0013	-0.0024	**0**	0.0021	0
Molybdenum	97	0.0005	0	-0.0005	**0**	0.0005	0
Molybdenum	98	0.0009	0.0006	-0.0015	**0**	0.0013	0
Nickel	60	-0.0044	-0.014	0.0184	**0**	0.0167	0
Nickel	62	0.0161	-0.0013	-0.0148	**0**	0.0155	0
Selenium	77	-0.1795	0.121	0.0586	**0**	0.1586	0
Selenium	78	0.1354	-0.1161	-0.0193	**0**	0.1269	0
Selenium	82	0.0852	-0.0846	-0.0007	**0**	0.0849	0
Silver	107	-0.0002	0.0005	-0.0003	**0**	0.0005	0
Silver	109	0	0	0	**0**	0	0
Thallium	203	-0.0008	0.0004	0.0004	**0**	0.0007	0
Thallium	205	0.0003	-0.0006	0.0003	**0**	0.0005	0
Zinc	66	0.0008	-0.0025	0.0017	**0**	0.0022	0
Zinc	67	-0.0191	-0.006	0.0251	**0**	0.0227	0
Zinc	68	-0.0176	-0.0335	0.0511	**0**	0.0449	0

Laurie Klein
11/14/06

Internal Standard Factors:

Scandium	45	0.973	0.996	1.033	**0.973**	n/a	n/a
Indium	115	0.979	1.001	1.021	**0.979**	n/a	n/a
Lutetium	175	0.982	1.006	1.014	**0.982**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**25 ppb Std. MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 13:43**					
Antimony	121	24.5	25.33	25.16	**25**	0.4385	1.754
Antimony	123	24.16	25.63	25.2	**25**	0.7543	3.017
Arsenic	75	25.05	24.95	25	**25**	0.0463	0.1853
Cadmium	111	24.55	25.05	25.4	**25**	0.4245	1.698
Cadmium	114	24.79	25.08	25.14	**25**	0.1882	0.7527
Copper	63	25.38	24.92	24.7	**25**	0.345	1.38
Copper	65	25.28	25.01	24.7	**25**	0.2898	1.159
Lead	206	24.64	25.23	25.13	**25**	0.317	1.268
Lead	207	24.91	24.95	25.14	**25**	0.1237	0.4949
Lead	208	24.86	25.13	25.01	**25**	0.1356	0.5426
Molybdenum	95	24.66	25.37	24.97	**25**	0.355	1.42
Molybdenum	97	24.51	25.31	25.19	**25**	0.4325	1.73
Molybdenum	98	24.83	25.18	24.99	**25**	0.1747	0.6989
Nickel	60	25.27	24.92	24.81	**25**	0.2415	0.9659
Nickel	62	25.11	25.54	24.35	**25**	0.603	2.412
Selenium	77	24.87	25.2	24.93	**25**	0.175	0.6998
Selenium	78	25.17	25.44	24.39	**25**	0.5483	2.193
Selenium	82	25.25	24.49	25.25	**25**	0.4375	1.75
Silver	107	24.46	25.44	25.09	**25**	0.4969	1.988
Silver	109	24.6	25.12	25.28	**25**	0.3515	1.406
Thallium	203	24.83	25.08	25.09	**25**	0.1496	0.5982
Thallium	205	24.7	25.14	25.16	**25**	0.2641	1.056
Zinc	66	25.29	24.96	24.74	**25**	0.2753	1.101
Zinc	67	24.96	25.37	24.68	**25**	0.3477	1.391
Zinc	68	25.11	25.17	24.73	**25**	0.2393	0.9572

Internal Standard Factors:

Scandium	45	1.018	1.042	1.043	**1.018**	n/a	n/a
Indium	115	0.993	1.031	1.047	**0.993**	n/a	n/a
Lutetium	175	1.018	1.029	1.036	**1.018**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICV MS9-95-F**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 13:47**					
Antimony	121	25.9	26.28	26.32	**26.17**	0.2308	0.882
Antimony	123	25.9	26.42	26.23	**26.18**	0.2651	1.013
Arsenic	75	27.08	26.64	26.65	**26.79**	0.252	0.9405
Cadmium	111	12.85	13.19	12.97	**13**	0.1736	1.335
Cadmium	114	13.37	13.22	13.06	**13.22**	0.1589	1.203
Copper	63	13.15	13.03	12.75	**12.97**	0.2058	1.586
Copper	65	12.82	12.77	12.62	**12.74**	0.1028	0.8073
Lead	206	25.68	25.52	25.49	**25.56**	0.1023	0.4003
Lead	207	27.03	26.91	26.89	**26.94**	0.0787	0.2923
Lead	208	26.14	26.37	26.22	**26.24**	0.1181	0.4499
Molybdenum	95	26.81	27.06	26.63	**26.83**	0.2171	0.809
Molybdenum	97	26.68	26.96	27.05	**26.9**	0.1931	0.7178
Molybdenum	98	26.68	26.58	26.68	**26.65**	0.0579	0.2173
Nickel	60	26.02	25.81	25.69	**25.84**	0.1672	0.6469
Nickel	62	25.92	25.72	25.8	**25.82**	0.1008	0.3906
Selenium	77	26.09	26.9	26.19	**26.39**	0.4399	1.667
Selenium	78	26.61	25.96	26.16	**26.24**	0.3326	1.267
Selenium	82	27.26	27.19	26.49	**26.98**	0.4232	1.569
Silver	107	12.92	12.92	12.98	**12.94**	0.0345	0.2666
Silver	109	12.81	12.95	12.72	**12.83**	0.1174	0.915
Thallium	203	26.34	26.64	26.51	**26.5**	0.1477	0.5574
Thallium	205	26.58	26.6	26.39	**26.52**	0.1172	0.4417
Zinc	66	24.85	24.66	24.21	**24.57**	0.3316	1.35
Zinc	67	30.19	30.7	29.82	**30.24**	0.4415	1.46
Zinc	68	29.15	28.81	28.67	**28.88**	0.2512	0.87

Internal Standard Factors:

Scandium	45	1.015	1.041	1.05	**1.015**	n/a	n/a
Indium	115	1.021	1.044	1.056	**1.021**	n/a	n/a
Lutetium	175	1.052	1.065	1.061	**1.052**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV1 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 13:50**					
Antimony	121	25.47	24.91	24.72	**25.03**	0.3933	1.571
Antimony	123	25	24.61	24.79	**24.8**	0.1954	0.7881
Arsenic	75	25.46	25.3	25.24	**25.33**	0.1109	0.4377
Cadmium	111	24.98	24.57	24.73	**24.76**	0.2081	0.8406
Cadmium	114	25.05	25.06	25.36	**25.16**	0.1738	0.6909
Copper	63	25.41	24.91	24.03	**24.78**	0.7	2.825
Copper	65	25.37	24.78	24.1	**24.75**	0.6384	2.579
Lead	206	25.2	24.93	25.56	**25.23**	0.3178	1.26
Lead	207	25.07	24.69	24.69	**24.82**	0.2225	0.8965
Lead	208	24.99	24.64	24.91	**24.84**	0.1829	0.7364
Molybdenum	95	24.93	24.67	24.7	**24.77**	0.145	0.5854
Molybdenum	97	25.14	24.74	24.98	**24.95**	0.1993	0.7985
Molybdenum	98	24.82	24.6	24.69	**24.71**	0.1125	0.4553
Nickel	60	25.17	25.03	24.73	**24.97**	0.224	0.8968
Nickel	62	24.76	25.22	24.01	**24.66**	0.6149	2.493
Selenium	77	23.99	24.16	24	**24.05**	0.0956	0.3973
Selenium	78	24.75	24.96	23.79	**24.5**	0.6199	2.53
Selenium	82	26.13	24.26	25.15	**25.18**	0.9375	3.723
Silver	107	25.22	24.87	24.88	**24.99**	0.196	0.7841
Silver	109	24.93	24.82	24.54	**24.76**	0.1992	0.8043
Thallium	203	25.39	25.08	25.01	**25.16**	0.203	0.8067
Thallium	205	24.79	24.88	25.31	**24.99**	0.2821	1.129
Zinc	66	25.62	24.97	24.87	**25.15**	0.4043	1.607
Zinc	67	26.13	24.52	25.25	**25.3**	0.8034	3.175
Zinc	68	25.35	25.1	24.88	**25.11**	0.2337	0.9306

Internal Standard Factors:

Scandium	45	1.033	1.048	1.046	**1.033**	n/a	n/a
Indium	115	1.032	1.04	1.058	**1.032**	n/a	n/a
Lutetium	175	1.042	1.044	1.067	**1.042**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICB1**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 13:56**					
Antimony	121	0.006	0.0078	0.0037	**0.0058**	0.0021	35.41
Antimony	123	0.0051	0.0036	0.0036	**0.0041**	0.0009	20.83
Arsenic	75	0.0184	-0.0266	0.0081	**0**	0.0236	75010
Cadmium	111	0.0004	0.0012	0.0004	**0.0007**	0.0005	74.28
Cadmium	114	-0.0032	-0.003	-0.0037	**-0.0033**	0.0004	11.3
Copper	63	0.0151	-0.0006	0.0116	**0.0087**	0.0082	94.56
Copper	65	0.0005	0	-0.0048	**-0.0014**	0.0029	203.7
Lead	206	0.0007	0.0004	0.003	**0.0014**	0.0014	103.9
Lead	207	-0.0001	-0.0004	0.0014	**0.0003**	0.001	353.8
Lead	208	-0.0002	-0.0001	0.0019	**0.0005**	0.0012	231.8
Molybdenum	95	0.0084	0.0059	0.0056	**0.0066**	0.0016	23.74
Molybdenum	97	0.0062	0.0116	0.0065	**0.0081**	0.0031	37.96
Molybdenum	98	0.005	0.0072	0.005	**0.0057**	0.0013	22.39
Nickel	60	0.0138	-0.0035	0.0194	**0.0099**	0.012	120.3
Nickel	62	0.1081	0.0784	0.1783	**0.1216**	0.0513	42.2
Selenium	77	0.1085	-0.0217	0.0118	**0.0329**	0.0676	205.7
Selenium	78	0.4298	0.1688	0.1221	**0.2402**	0.1658	69.03
Selenium	82	0.2046	-0.085	0.024	**0.0478**	0.1463	305.6
Silver	107	0.0066	0.0055	0.0066	**0.0063**	0.0006	10.1
Silver	109	0.0091	0.0044	0.0049	**0.0061**	0.0026	42.15
Thallium	203	0.0027	0.0017	0.0022	**0.0022**	0.0005	21.87
Thallium	205	0.0013	0.0021	0.0013	**0.0016**	0.0005	30.69
Zinc	66	0.014	0.0272	0.024	**0.0218**	0.0069	31.6
Zinc	67	0.0381	0.0541	0.0576	**0.0499**	0.0104	20.91
Zinc	68	0.0543	0.0498	0.0444	**0.0495**	0.005	10.02

Internal Standard Factors:

Scandium	45	1.041	1.053	1.091	**1.041**	n/a	n/a
Indium	115	1.064	1.083	1.085	**1.064**	n/a	n/a
Lutetium	175	1.084	1.094	1.088	**1.084**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB1**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 13:59**					
Antimony	121	0.0014	0.0055	0.0047	**0.0039**	0.0022	56.06
Antimony	123	0.0015	0.0009	0.0026	**0.0017**	0.0009	51.02
Arsenic	75	-0.0094	-0.0148	0.0403	**0.0054**	0.0304	565.3
Cadmium	111	-0.0005	0.0011	0.002	**0.0009**	0.0013	146.2
Cadmium	114	-0.0016	-0.0034	-0.0028	**-0.0026**	0.0009	34.65
Copper	63	0.0041	0.0045	0.0001	**0.0029**	0.0024	84.69
Copper	65	0.0035	0.0124	0.0146	**0.0102**	0.0058	57.41
Lead	206	-0.0004	0.0005	0.0005	**0.0002**	0.0005	256.5
Lead	207	0.0014	-0.003	-0.0003	**-0.0006**	0.0022	342.1
Lead	208	-0.0008	-0.0007	0.0002	**-0.0005**	0.0006	122
Molybdenum	95	0.0002	-0.0004	0.0021	**0.0006**	0.0013	218.6
Molybdenum	97	0.0037	0.0071	0.0035	**0.0048**	0.002	42.28
Molybdenum	98	0.0032	0.0035	0.0022	**0.0029**	0.0007	23.21
Nickel	60	-0.0115	0.0034	0.0008	**-0.0024**	0.008	328
Nickel	62	0.1562	0.1163	0.0024	**0.0917**	0.0798	87.07
Selenium	77	-0.0115	0.197	-0.0636	**0.0407**	0.1379	339.1
Selenium	78	0.004	-0.0851	0.1764	**0.0318**	0.1329	418.3
Selenium	82	-0.0077	0.1305	0.1146	**0.0791**	0.0756	95.56
Silver	107	0.0038	0.0028	0.0032	**0.0033**	0.0005	15.36
Silver	109	0.0036	0.0021	0.003	**0.0029**	0.0007	25.79
Thallium	203	0.0011	0.0011	0.0014	**0.0012**	0.0002	14.06
Thallium	205	0.0017	0.0005	0.0008	**0.001**	0.0006	58.81
Zinc	66	0.0053	-0.0124	-0.0026	**-0.0032**	0.0089	275.6
Zinc	67	-0.0075	0.0152	-0.006	**0.0005**	0.0127	2347
Zinc	68	0.0805	0.0457	0.0371	**0.0545**	0.023	42.2

Internal Standard Factors:

Scandium	45	0.985	1.014	1.038	**0.985**	n/a	n/a
Indium	115	1.007	1.035	1.06	**1.007**	n/a	n/a
Lutetium	175	1.012	1.057	1.06	**1.012**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CRA MS9-95-H**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:02**					
Antimony	121	0.0525	0.0527	0.0612	**0.0554**	0.0049	8.919
Antimony	123	0.0544	0.0547	0.055	**0.0547**	0.0003	0.5789
Arsenic	75	0.5378	0.4173	0.4805	**0.4785**	0.0603	12.6
Cadmium	111	0.0283	0.0242	0.024	**0.0255**	0.0024	9.533
Cadmium	114	0.0267	0.0193	0.0249	**0.0237**	0.0039	16.29
Copper	63	0.114	0.1135	0.109	**0.1122**	0.0027	2.432
Copper	65	0.1217	0.1106	0.1111	**0.1145**	0.0062	5.437
Lead	206	0.0245	0.0217	0.0189	**0.0217**	0.0028	12.71
Lead	207	0.0211	0.0203	0.0165	**0.0193**	0.0025	12.82
Lead	208	0.023	0.0216	0.0206	**0.0217**	0.0012	5.658
Molybdenum	95	0.0542	0.0537	0.0566	**0.0549**	0.0015	2.759
Molybdenum	97	0.048	0.0526	0.0548	**0.0518**	0.0035	6.685
Molybdenum	98	0.0552	0.0602	0.0558	**0.0571**	0.0028	4.821
Nickel	60	0.2224	0.2395	0.2565	**0.2395**	0.017	7.109
Nickel	62	0.3048	0.25	0.3529	**0.3026**	0.0515	17.01
Selenium	77	0.769	1.207	1.118	**1.031**	0.2315	22.45
Selenium	78	1.654	1.475	1.65	**1.593**	0.102	6.402
Selenium	82	0.9132	0.7351	0.9564	**0.8682**	0.1173	13.51
Silver	107	0.0267	0.0275	0.0282	**0.0275**	0.0007	2.683
Silver	109	0.0279	0.0249	0.0299	**0.0275**	0.0025	9.186
Thallium	203	0.0266	0.0228	0.0222	**0.0239**	0.0024	10.04
Thallium	205	0.022	0.0192	0.0235	**0.0215**	0.0022	10.02
Zinc	66	0.5194	0.5343	0.5139	**0.5225**	0.0106	2.024
Zinc	67	0.4644	0.4281	0.4215	**0.438**	0.0231	5.275
Zinc	68	0.5668	0.466	0.4849	**0.5059**	0.0536	10.6

Internal Standard Factors:

Scandium	45	1.033	1.052	1.079	**1.033**	n/a	n/a
Indium	115	1.028	1.056	1.085	**1.028**	n/a	n/a
Lutetium	175	1.046	1.056	1.082	**1.046**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-001 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:06**					
Antimony	121	0.0417	0.0269	0.0286	**0.0324**	0.0081	25.01
Antimony	123	0.0315	0.0312	0.0352	**0.0326**	0.0022	6.814
Arsenic	75	18.55	18.41	19.01	**18.66**	0.3137	1.681
Cadmium	111	1.93	1.92	1.944	**1.932**	0.012	0.6194
Cadmium	114	1.969	2.051	2.074	**2.031**	0.0549	2.703
Copper	63	52.63	52.43	52.37	**52.48**	0.1374	0.2618
Copper	65	52.42	52.29	51.99	**52.23**	0.2229	0.4268
Lead	206	0.4554	0.4963	0.475	**0.4756**	0.0205	4.305
Lead	207	0.5363	0.5279	0.5147	**0.5263**	0.0109	2.068
Lead	208	0.4906	0.5095	0.5086	**0.5029**	0.0106	2.113
Molybdenum	95	2.141	2.119	2.126	**2.129**	0.0116	0.5468
Molybdenum	97	2.152	2.166	2.121	**2.146**	0.0228	1.064
Molybdenum	98	2.04	2.101	2.046	**2.062**	0.0332	1.61
Nickel	60	5.276	5.304	5.308	**5.296**	0.0177	0.3336
Nickel	62	5.299	5.185	5.091	**5.192**	0.1041	2.006
Selenium	77	6.142	5.683	5.923	**5.916**	0.2296	3.88
Selenium	78	5.973	5.703	5.672	**5.783**	0.1658	2.867
Selenium	82	12.32	12.83	13.03	**12.73**	0.3649	2.867
Silver	107	0.39	0.3952	0.3973	**0.3941**	0.0038	0.9556
Silver	109	0.3941	0.3835	0.4059	**0.3945**	0.0112	2.835
Thallium	203	0.0208	0.0226	0.0238	**0.0224**	0.0015	6.63
Thallium	205	0.0213	0.0267	0.0227	**0.0236**	0.0028	11.98
Zinc	66	246.1	248.4	245.8	**246.8**	1.391	0.5638
Zinc	67	212.6	212.4	212	**212.3**	0.282	0.1328
Zinc	68	235.2	236.5	234.4	**235.4**	1.084	0.4605

Internal Standard Factors:

Scandium	45	1.076	1.106	1.117	**1.076**	n/a	n/a
Indium	115	1.176	1.197	1.209	**1.176**	n/a	n/a
Lutetium	175	1.127	1.15	1.158	**1.127**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-002 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:09**					
Antimony	121	0.0161	0.016	0.0147	**0.0156**	0.0008	5.042
Antimony	123	0.0158	0.0155	0.0096	**0.0136**	0.0035	25.6
Arsenic	75	28.27	28.2	28.07	**28.18**	0.1013	0.3596
Cadmium	111	1.055	1.102	1.052	**1.07**	0.028	2.618
Cadmium	114	1.07	1.079	1.064	**1.071**	0.0076	0.7068
Copper	63	17.1	16.81	16.48	**16.8**	0.3131	1.864
Copper	65	16.92	16.73	16.37	**16.68**	0.2796	1.677
Lead	206	0.1125	0.108	0.1096	**0.11**	0.0023	2.072
Lead	207	0.1233	0.1302	0.1299	**0.1278**	0.0039	3.037
Lead	208	0.1135	0.1206	0.1155	**0.1165**	0.0037	3.144
Molybdenum	95	0.6453	0.6466	0.6351	**0.6423**	0.0063	0.9778
Molybdenum	97	0.6967	0.6772	0.663	**0.679**	0.0169	2.494
Molybdenum	98	0.6123	0.6512	0.6197	**0.6277**	0.0207	3.293
Nickel	60	6.051	6.073	6.114	**6.079**	0.0323	0.5316
Nickel	62	6.297	6.291	6.292	**6.293**	0.0034	0.0538
Selenium	77	3.436	3.8	3.888	**3.708**	0.2395	6.46
Selenium	78	4.862	4.998	4.069	**4.643**	0.5022	10.82
Selenium	82	7.404	6.269	6.461	**6.712**	0.6074	9.05
Silver	107	0.665	0.6623	0.6509	**0.6594**	0.0075	1.137
Silver	109	0.6602	0.6498	0.6261	**0.6454**	0.0175	2.705
Thallium	203	0.0135	0.0142	0.0137	**0.0138**	0.0004	2.582
Thallium	205	0.0142	0.0146	0.0145	**0.0145**	0.0002	1.511
Zinc	66	137.4	136.4	135.7	**136.5**	0.8751	0.6411
Zinc	67	115.4	118.8	117.6	**117.3**	1.732	1.477
Zinc	68	129.1	130.6	129.3	**129.7**	0.7939	0.6122

Internal Standard Factors:

Scandium	45	1.082	1.116	1.142	**1.082**	n/a	n/a
Indium	115	1.136	1.166	1.149	**1.136**	n/a	n/a
Lutetium	175	1.09	1.105	1.106	**1.09**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-003 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:12**					
Antimony	121	0.0201	0.0231	0.0272	**0.0235**	0.0036	15.25
Antimony	123	0.022	0.0158	0.0225	**0.0201**	0.0038	18.67
Arsenic	75	37.11	36.35	36.44	**36.63**	0.4178	1.141
Cadmium	111	1.22	1.282	1.285	**1.262**	0.0369	2.924
Cadmium	114	1.222	1.238	1.212	**1.224**	0.0134	1.094
Copper	63	17.21	16.66	16.67	**16.85**	0.3121	1.853
Copper	65	17.08	16.84	16.22	**16.71**	0.4422	2.646
Lead	206	0.1102	0.0978	0.1061	**0.1047**	0.0063	6.022
Lead	207	0.126	0.116	0.1188	**0.1202**	0.0052	4.316
Lead	208	0.1127	0.1093	0.1066	**0.1095**	0.0031	2.823
Molybdenum	95	0.621	0.6072	0.6319	**0.6201**	0.0124	1.996
Molybdenum	97	0.6573	0.6637	0.6383	**0.6531**	0.0133	2.029
Molybdenum	98	0.5763	0.5962	0.5366	**0.5697**	0.0303	5.323
Nickel	60	4.775	4.613	4.579	**4.656**	0.1045	2.245
Nickel	62	4.845	4.743	4.766	**4.785**	0.0537	1.122
Selenium	77	4.63	4.349	4.742	**4.573**	0.2024	4.425
Selenium	78	4.837	5.553	5.148	**5.179**	0.3589	6.93
Selenium	82	7.715	7.229	8.064	**7.669**	0.4191	5.464
Silver	107	2.579	2.591	2.539	**2.569**	0.0272	1.06
Silver	109	2.57	2.578	2.601	**2.583**	0.0161	0.6226
Thallium	203	0.0161	0.0118	0.0129	**0.0136**	0.0022	16.39
Thallium	205	0.0138	0.0127	0.0133	**0.0133**	0.0006	4.392
Zinc	66	145.2	140.1	138.2	**141.2**	3.618	2.563
Zinc	67	123.2	121.3	119.1	**121.2**	2.025	1.671
Zinc	68	136.6	134.3	132.5	**134.5**	2.042	1.519

Internal Standard Factors:

Scandium	45	1.076	1.097	1.103	**1.076**	n/a	n/a
Indium	115	1.088	1.108	1.132	**1.088**	n/a	n/a
Lutetium	175	1.069	1.072	1.083	**1.069**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-005 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:14**					
Antimony	121	0.0328	0.028	0.028	**0.0296**	0.0027	9.26
Antimony	123	0.0299	0.0319	0.0263	**0.0294**	0.0029	9.708
Arsenic	75	55.93	55.26	55.25	**55.48**	0.3862	0.696
Cadmium	111	1.856	1.813	1.836	**1.835**	0.0214	1.169
Cadmium	114	1.892	1.903	1.922	**1.906**	0.015	0.7852
Copper	63	61.29	60.14	60.84	**60.76**	0.5777	0.9509
Copper	65	61	60.69	60.63	**60.77**	0.1995	0.3282
Lead	206	0.3953	0.3928	0.4191	**0.4024**	0.0145	3.608
Lead	207	0.4402	0.454	0.4588	**0.451**	0.0097	2.147
Lead	208	0.4246	0.4334	0.4448	**0.4343**	0.0101	2.335
Molybdenum	95	1.195	1.247	1.218	**1.22**	0.026	2.13
Molybdenum	97	1.309	1.245	1.214	**1.256**	0.0488	3.882
Molybdenum	98	1.176	1.176	1.195	**1.182**	0.0112	0.9458
Nickel	60	13.39	13.24	13.23	**13.29**	0.0889	0.6693
Nickel	62	13.66	13.68	13.9	**13.75**	0.1382	1.006
Selenium	77	5.137	5.342	5.66	**5.38**	0.2638	4.903
Selenium	78	5.229	5.083	4.816	**5.043**	0.2091	4.148
Selenium	82	9.844	9.425	9.728	**9.666**	0.2162	2.237
Silver	107	0.3121	0.2798	0.2887	**0.2936**	0.0167	5.688
Silver	109	0.3095	0.3025	0.298	**0.3033**	0.0058	1.919
Thallium	203	0.0184	0.0203	0.0183	**0.019**	0.0011	6.025
Thallium	205	0.0163	0.0207	0.0187	**0.0186**	0.0022	11.78
Zinc	66	145	144.8	141.9	**143.9**	1.736	1.207
Zinc	67	125.8	125.9	123.9	**125.2**	1.133	0.9051
Zinc	68	136.6	136.8	136.7	**136.7**	0.0938	0.0686

Internal Standard Factors:

Scandium	45	1.072	1.105	1.115	**1.072**	n/a	n/a
Indium	115	1.154	1.162	1.161	**1.154**	n/a	n/a
Lutetium	175	1.088	1.113	1.127	**1.088**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-006 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:17**					
Antimony	121	0.0312	0.0344	0.0455	**0.037**	0.0075	20.27
Antimony	123	0.0355	0.0316	0.033	**0.0334**	0.002	5.933
Arsenic	75	18.7	18.59	19.06	**18.78**	0.2448	1.303
Cadmium	111	1.726	1.749	1.769	**1.748**	0.0219	1.251
Cadmium	114	1.8	1.746	1.763	**1.769**	0.0276	1.561
Copper	63	71.01	69.55	71.08	**70.55**	0.8656	1.227
Copper	65	70.84	68.44	70.04	**69.78**	1.224	1.755
Lead	206	0.6731	0.6789	0.6446	**0.6655**	0.0184	2.762
Lead	207	0.7178	0.7596	0.7181	**0.7318**	0.0241	3.287
Lead	208	0.7045	0.7236	0.6946	**0.7075**	0.0147	2.084
Molybdenum	95	2.444	2.455	2.491	**2.463**	0.0244	0.9913
Molybdenum	97	2.485	2.415	2.572	**2.491**	0.0786	3.155
Molybdenum	98	2.454	2.457	2.369	**2.427**	0.0498	2.054
Nickel	60	9.347	9.008	9.311	**9.222**	0.186	2.016
Nickel	62	10.02	9.649	9.809	**9.825**	0.1836	1.868
Selenium	77	6.339	6.26	6.218	**6.273**	0.0615	0.9801
Selenium	78	5.478	5.062	5.339	**5.293**	0.2115	3.996
Selenium	82	12.09	11.88	12.84	**12.27**	0.5008	4.081
Silver	107	0.1671	0.1649	0.1693	**0.1671**	0.0022	1.332
Silver	109	0.1731	0.1599	0.1624	**0.1651**	0.007	4.263
Thallium	203	0.0583	0.0556	0.0606	**0.0582**	0.0025	4.243
Thallium	205	0.0567	0.0517	0.0542	**0.0542**	0.0025	4.651
Zinc	66	202.2	197.2	201.2	**200.2**	2.686	1.342
Zinc	67	177.1	172.2	177.1	**175.5**	2.803	1.598
Zinc	68	190.7	188.1	192.5	**190.4**	2.182	1.146

Internal Standard Factors:

Scandium	45	1.083	1.079	1.11	**1.083**	n/a	n/a
Indium	115	1.177	1.18	1.169	**1.177**	n/a	n/a
Lutetium	175	1.14	1.137	1.115	**1.14**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-007 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:20**					
Antimony	121	0.0233	0.0238	0.0259	**0.0243**	0.0014	5.613
Antimony	123	0.0227	0.021	0.016	**0.0199**	0.0035	17.6
Arsenic	75	39.49	39.87	39.77	**39.71**	0.1998	0.5031
Cadmium	111	1.056	1.082	1.087	**1.075**	0.0165	1.539
Cadmium	114	1.095	1.132	1.091	**1.106**	0.0228	2.061
Copper	63	36.03	35.24	34.28	**35.19**	0.8757	2.489
Copper	65	36.1	35.01	34.27	**35.13**	0.9214	2.623
Lead	206	0.2778	0.2771	0.2911	**0.282**	0.0079	2.794
Lead	207	0.3301	0.3201	0.3176	**0.3226**	0.0066	2.054
Lead	208	0.3004	0.3026	0.3035	**0.3022**	0.0016	0.5316
Molybdenum	95	1.014	1.02	0.9897	**1.008**	0.0162	1.603
Molybdenum	97	0.9913	0.9932	1.079	**1.021**	0.0504	4.932
Molybdenum	98	0.9554	0.9579	0.9717	**0.9617**	0.0088	0.9141
Nickel	60	9.882	9.732	9.698	**9.771**	0.0976	0.9993
Nickel	62	10.39	10.1	9.646	**10.05**	0.377	3.753
Selenium	77	4.51	4.611	4.217	**4.446**	0.2043	4.596
Selenium	78	4.999	4.876	4.655	**4.843**	0.1745	3.603
Selenium	82	8.427	8.212	8.283	**8.307**	0.1096	1.319
Silver	107	0.1612	0.1544	0.1513	**0.1556**	0.005	3.24
Silver	109	0.1532	0.15	0.1539	**0.1524**	0.0021	1.36
Thallium	203	0.0146	0.0163	0.0131	**0.0147**	0.0016	10.71
Thallium	205	0.0139	0.0163	0.0153	**0.0151**	0.0012	7.815
Zinc	66	154.4	150.7	147.4	**150.8**	3.481	2.308
Zinc	67	130.9	129.7	127.1	**129.2**	1.948	1.507
Zinc	68	144.1	143.4	140.5	**142.7**	1.928	1.352

Internal Standard Factors:

Scandium	45	1.083	1.108	1.144	**1.083**	n/a	n/a
Indium	115	1.102	1.141	1.169	**1.102**	n/a	n/a
Lutetium	175	1.067	1.096	1.121	**1.067**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV2 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:25**					
Antimony	121	24.59	24.76	25.11	**24.82**	0.2644	1.065
Antimony	123	24.29	24.32	25.11	**24.57**	0.4674	1.902
Arsenic	75	25.4	26.12	25.96	**25.82**	0.3786	1.466
Cadmium	111	25.01	25.28	25.22	**25.17**	0.1404	0.5579
Cadmium	114	24.87	25.06	24.73	**24.89**	0.1657	0.6658
Copper	63	25.05	25.39	25.19	**25.21**	0.1713	0.6793
Copper	65	25.34	25.58	25.43	**25.45**	0.1213	0.4764
Lead	206	24.85	24.63	25.19	**24.89**	0.2825	1.135
Lead	207	24.97	24.6	24.65	**24.74**	0.199	0.8043
Lead	208	24.81	24.75	24.99	**24.85**	0.1259	0.5066
Molybdenum	95	24.55	24.96	25.09	**24.86**	0.2828	1.137
Molybdenum	97	24.75	24.73	24.66	**24.71**	0.0449	0.1819
Molybdenum	98	24.63	24.6	24.48	**24.57**	0.076	0.3094
Nickel	60	24.8	25.22	25.09	**25.04**	0.2129	0.8503
Nickel	62	24.96	24.83	25.43	**25.07**	0.3167	1.263
Selenium	77	24.79	25.21	24.84	**24.95**	0.2294	0.9194
Selenium	78	24.92	26.27	25.67	**25.62**	0.6754	2.636
Selenium	82	25.47	26.7	26.69	**26.29**	0.7105	2.703
Silver	107	24.74	24.72	25.11	**24.86**	0.2232	0.8978
Silver	109	24.53	24.58	24.9	**24.67**	0.2044	0.8286
Thallium	203	25.55	24.97	25.33	**25.28**	0.294	1.163
Thallium	205	24.73	24.95	25.25	**24.97**	0.2597	1.04
Zinc	66	25.48	25.89	25.93	**25.77**	0.247	0.9586
Zinc	67	25.65	26.44	26.06	**26.05**	0.3949	1.516
Zinc	68	25.89	25.83	25.76	**25.83**	0.0636	0.2461

Internal Standard Factors:

Scandium	45	1.07	1.128	1.146	**1.07**	n/a	n/a
Indium	115	1.062	1.077	1.093	**1.062**	n/a	n/a
Lutetium	175	1.071	1.066	1.084	**1.071**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06B
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB2**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:31**					
Antimony	121	0.0035	0.0019	0.0026	**0.0027**	0.0008	31.14
Antimony	123	0.0017	-0.0004	0.0009	**0.0008**	0.0011	142.7
Arsenic	75	0.1164	0.0494	0.0773	**0.081**	0.0337	41.54
Cadmium	111	-0.0013	-0.0013	0.0005	**-0.0007**	0.001	144.4
Cadmium	114	0.0003	-0.0002	0.0004	**0.0002**	0.0003	190.4
Copper	63	0.0155	0.0192	0.0271	**0.0206**	0.006	28.91
Copper	65	0.017	0.013	0.0196	**0.0165**	0.0033	20.19
Lead	206	0.0019	0.0021	0.0006	**0.0015**	0.0008	54.83
Lead	207	-0.0012	0.0049	0.0009	**0.0015**	0.0031	200.6
Lead	208	0.0003	0.0009	0.0003	**0.0005**	0.0003	67.45
Molybdenum	95	0.0043	0.0051	0.0036	**0.0043**	0.0007	17.19
Molybdenum	97	0.0089	0.0081	0.0077	**0.0082**	0.0006	7.076
Molybdenum	98	0.0013	0.0047	0.0025	**0.0028**	0.0017	60.98
Nickel	60	0.0209	0.0237	0.0351	**0.0266**	0.0075	28.24
Nickel	62	0.1645	0.1339	0.1732	**0.1572**	0.0207	13.15
Selenium	77	0.0673	0.2769	0.1325	**0.1589**	0.1073	67.53
Selenium	78	0.7025	0.5296	0.6881	**0.6401**	0.0959	14.99
Selenium	82	0.4811	0.396	0.4124	**0.4298**	0.0452	10.51
Silver	107	0.0046	0.0052	0.0044	**0.0047**	0.0004	8.293
Silver	109	0.0065	0.0056	0.0032	**0.0051**	0.0017	33.08
Thallium	203	0.0012	0.0015	0	**0.0009**	0.0008	88.56
Thallium	205	0.0012	0.0008	0.0012	**0.0011**	0.0002	20.76
Zinc	66	0.0223	0.0312	0.0116	**0.0217**	0.0098	45.31
Zinc	67	0.2258	0.0685	0.1654	**0.1532**	0.0793	51.79
Zinc	68	0.0849	0.0936	0.1182	**0.0989**	0.0173	17.44

Internal Standard Factors:

Scandium	45	1.117	1.136	1.156	**1.117**	n/a	n/a
Indium	115	1.119	1.108	1.131	**1.119**	n/a	n/a
Lutetium	175	1.099	1.12	1.114	**1.099**	n/a	n/a

Instrument Setup - Sample Configuration

Sample	Configuration	Date
All Samples	acqmet11	9:39:11 11/14/06

Instrument Setup - Configurations

Configuration Name - acqmet11
Description - PQExcell CCT Sim Default
Date - 9:39:11 11/14/06
Maximum Uptake Time - 0
Maximum Washout Time - 0
S-Option Pump Running - No
Plasma Screen Forward - No
Makeup Gas On - No
Use CCT - No
Use Accessory Gas - No

Setting	Value
Extraction	-555.00
Lens1	7.50
Lens2	-43.00
Lens3	-4.00
Pole Bias	1.00
Sampling Depth	442.00
Horizontal	-46.00
Vertical	99.00
Cool	13.00
Auxiliary	0.75
Nebuliser	0.84
Forward power	1,360.00
HT1 Voltage	1,900.00
HT2 Voltage	2,600.00
D1	-30.00
Focus	18.00

Sample List

Num	Label	Type	Weight	Volume	Dilution
1	Calibration Blank	Blank	0 kg	0 ml	1.00
2	25 ppb Std. MS10-2-A	Fully Quant Standard	0 kg	0 ml	1.00
3	ICV MS9-95-F	Unknown	0 kg	0 ml	1.00
4	CCV1 MS10-2-A	Unknown	0 kg	0 ml	1.00
5	CCV1 Rerun MS10-2-A	Unknown	0 kg	0 ml	1.00
6	ICB	Unknown	0 kg	0 ml	1.00
7	CCB1	Unknown	0 kg	0 ml	1.00
8	CRA MS9-95-H	Unknown	0 kg	0 ml	1.00
9	ICSA MS10-1-F	Unknown	0 kg	0 ml	1.00
10	ICSAB MS10-1-G	Unknown	0 kg	0 ml	1.00
11	PB K0608915 1/5	Unknown	0 kg	0 ml	1.00
12	DOLT K0608915 1/5	Unknown	0 kg	0 ml	1.00
13	DORM K0608915 1/5	Unknown	0 kg	0 ml	1.00
14	CCV2 MS10-2-A	Unknown	0 kg	0 ml	1.00
15	CCB2	Unknown	0 kg	0 ml	1.00
16	K0608915-004 1/5	Unknown	0 kg	0 ml	1.00
17	K0608915-004D 1/5	Unknown	0 kg	0 ml	1.00
18	K0608915-004L 1/5 X 1/5	Unknown	0 kg	0 ml	1.00
19	K0608915-004A 1/5 + 25	Unknown	0 kg	0 ml	1.00
20	K0608915-004S 1/25	Unknown	0 kg	0 ml	1.00
21	CCV3 MS10-2-A	Unknown	0 kg	0 ml	1.00
22	CCV3 Rerun MS10-2-A	Unknown	0 kg	0 ml	1.00
23	CCB3	Unknown	0 kg	0 ml	1.00
24	K0608915-001 1/5	Unknown	0 kg	0 ml	1.00
25	K0608915-002 1/5	Unknown	0 kg	0 ml	1.00
26	K0608915-003 1/5	Unknown	0 kg	0 ml	1.00
27	K0608915-005 1/5	Unknown	0 kg	0 ml	1.00
28	K0608915-006 1/5	Unknown	0 kg	0 ml	1.00
29	K0608915-007 1/5	Unknown	0 kg	0 ml	1.00
30	CCV4 MS10-2-A	Unknown	0 kg	0 ml	1.00
31	CCV4 Rerun MS10-2-A	Unknown	0 kg	0 ml	1.00
32	CCV4 Rerun MS10-2-A	Unknown	0 kg	0 ml	1.00
33	CCB4	Unknown	0 kg	0 ml	1.00

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**Calibration Blank**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:37**					
Beryllium	9	-0.0013	0.0022	-0.0009	**0**	0.002	0

Laurie Klein
11/14/06

Internal Standard Factors:

Scandium	45	1.041	0.983	0.979	**1.041**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**25 ppb Std. MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:38**					
Beryllium	9	24.76	26.25	23.99	**25**	1.152	4.608

Internal Standard Factors:

Scandium	45	1.019	0.993	0.978	**1.019**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICV MS9-95-F**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:40**					
Beryllium	9	2.436	2.31	2.532	**2.426**	0.1117	4.603

Internal Standard Factors:

Scandium	45	1.01	0.978	0.994	**1.01**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV1 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:41**					
Beryllium	9	21.92	24.56	25.29	**23.92**	1.773	7.41

Uneven.
See rerun.
SRK 11/14/06

Internal Standard Factors:

Scandium	45	1.018	1.004	0.963	**1.018**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV1 Rerun MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:42**					
Beryllium	9	24.05	23.29	24.45	**23.93**	0.5864	2.45

Internal Standard Factors:

Scandium	45	1.007	0.992	0.977	**1.007**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICB**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:44**					
Beryllium	9	0.0121	0.0067	0.0127	**0.0105**	0.0033	31.3

Internal Standard Factors:

Scandium	45	1.02	0.989	0.99	**1.02**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB1**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:45**					
Beryllium	9	0.0048	0.0054	0.0011	**0.0038**	0.0024	62.42

Internal Standard Factors:

Scandium	45	1.033	1.005	1.019	**1.033**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CRA MS9-95-H**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:46**					
Beryllium	9	0.029	0.0215	0.0211	**0.0239**	0.0045	18.68

Internal Standard Factors:

Scandium	45	0.99	0.953	0.949	**0.99**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICSA MS10-1-F**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:47**					
Beryllium	9	0.0006	-0.0021	0.0023	**0.0003**	0.0022	779.5

Internal Standard Factors:

Scandium	45	1.034	1.078	1.042	**1.034**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**ICSAB MS10-1-G**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:49**					
Beryllium	9	0.0032	0.0012	0.0015	**0.002**	0.0011	54.63

Internal Standard Factors:

Scandium	45	1.063	1.033	1.001	**1.063**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**PB K0608915 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:51**					
Beryllium	9	0.0003	-0.0026	-0.0004	**-0.0009**	0.0015	173.8

Internal Standard Factors:

Scandium	45	0.98	0.959	0.969	**0.98**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		DOLT K0608915 1/5			Mean	SD	%RSD
TimeStamp		11/14/06 14:52					
Beryllium	9	0.006	0.0004	0.0052	**0.0039**	0.003	78.76

Internal Standard Factors:

Scandium	45	1.004	0.984	1.011	**1.004**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**DORM K0608915 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:53**					
Beryllium	9	-0.0006	-0.0009	-0.0003	**-0.0006**	0.0003	43.31

Internal Standard Factors:

Scandium	45	1.014	0.984	0.974	**1.014**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV2 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:54**					
Beryllium	9	24.69	23.65	23.38	**23.91**	0.6931	2.899

Internal Standard Factors:

Scandium	45	0.987	0.964	0.963	**0.987**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB2**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:56**					
Beryllium	9	0.0045	0.0076	0.002	**0.0047**	0.0028	59.85

Internal Standard Factors:

Scandium	45	1.007	0.937	0.964	**1.007**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:57**					
Beryllium	9	0.021	0.0188	0.0181	**0.0193**	0.0015	7.744

Internal Standard Factors:

Scandium	45	1.036	0.995	0.982	**1.036**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004D 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 14:59**					
Beryllium	9	0.0121	0.0149	0.012	**0.013**	0.0016	12.38

Internal Standard Factors:

Scandium	45	0.965	0.941	0.947	**0.965**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004L 1/5 X 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:00**					
Beryllium	9	0.0026	0.0013	0.0009	**0.0016**	0.0009	56.16

Internal Standard Factors:

Scandium	45	0.987	0.978	0.975	**0.987**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-004A 1/5 + 25**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:01**					
Beryllium	9	23.44	23.49	24.22	**23.72**	0.4394	1.853

Internal Standard Factors:

Scandium	45	0.965	0.956	0.957	**0.965**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		K0608915-004S 1/25			Mean	SD	%RSD
TimeStamp		11/14/06 15:03					
Beryllium	9	1.98	1.909	1.923	**1.937**	0.0378	1.949

Internal Standard Factors:

Scandium	45	0.942	0.93	0.946	**0.942**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV3 MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:04**					
Beryllium	9	22.74	21.49	22.04	**22.09**	0.6239	2.824

See rerun.
RK 11/14/06

Internal Standard Factors:

Scandium	45	0.969	0.98	0.99	**0.969**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV3 Rerun MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:06**					
Beryllium	9	24.21	23.52	23.45	**23.73**	0.4205	1.772

Internal Standard Factors:

Scandium	45	1.007	0.97	0.966	**1.007**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCB3**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:08**					
Beryllium	9	0.0162	0.0076	0.0114	**0.0118**	0.0043	36.7

Internal Standard Factors:

Scandium	45	0.992	0.952	0.934	**0.992**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-001 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:09**					
Beryllium	9	0.0317	0.0295	0.0272	**0.0295**	0.0022	7.555

Internal Standard Factors:

Scandium	45	1	0.956	0.959	**1**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-002 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:11**					
Beryllium	9	0.0092	0.0129	0.0122	**0.0114**	0.002	17.52

Internal Standard Factors:

Scandium	45	0.925	0.911	0.93	**0.925**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-003 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:13**					
Beryllium	9	0.0115	0.0104	0.0102	**0.0107**	0.0007	6.529

Internal Standard Factors:

Scandium	45	0.939	0.944	0.948	**0.939**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**K0608915-005 1/5**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:14**					
Beryllium	9	0.028	0.0378	0.0337	**0.0332**	0.0049	14.79

Internal Standard Factors:

Scandium	45	0.941	0.922	0.899	**0.941**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		K0608915-006 1/5			Mean	SD	%RSD
TimeStamp		11/14/06 15:15					
Beryllium	9	0.0346	0.0465	0.0352	**0.0388**	0.0067	17.27

Internal Standard Factors:

Scandium	45	0.954	0.94	0.918	**0.954**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		K0608915-007 1/5			Mean	SD	%RSD
TimeStamp		11/14/06 15:17					
Beryllium	9	0.0099	0.0092	0.0149	**0.0114**	0.0031	27.56

Internal Standard Factors:

Scandium	45	0.961	0.928	0.944	**0.961**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		CCV4 MS10-2-A			Mean	SD	%RSD
TimeStamp		11/14/06 15:18					
Beryllium	9	18.24	22.36	21.12	**20.57**	2.115	10.28

Carryover interference.
See rerun.
LRK 11/14/06

Internal Standard Factors:							
Scandium	45	0.941	0.923	0.929	**0.941**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV4 Rerun MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:21**					
Beryllium	9	20.87	21.08	19.5	**20.48**	0.8561	4.18

See rerun.
LRK 11/14/06

Internal Standard Factors:

Scandium	45	0.978	0.944	0.959	**0.978**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:		**CCV4 Rerun MS10-2-A**			**Mean**	**SD**	**%RSD**
TimeStamp		**11/14/06 15:22**					
Beryllium	9	26.11	24.85	25.96	**25.64**	0.69	2.691

Internal Standard Factors:

Scandium	45	0.996	1.002	0.98	**0.996**	n/a	n/a

Instrument ID: K-ICP-MS-02
Experiment: 11-14-06C
Units: µg/L (ppb)

Method: EPA 6020
Analyst: Laurie Klein
Analysis Lot # : 71008

Sample Name:	CCB4				Mean	SD	%RSD
TimeStamp	11/14/06 15:25						
Beryllium	9	0.0209	0.0143	0.012	**0.0157**	0.0046	29.26

Internal Standard Factors:

Scandium	45	1.021	0.993	1	**1.021**	n/a	n/a

Polychlorinated Biphenyls
PCB's
EPA Method 8082

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915

Cover Page - Organic Analysis Data Package
Polychlorinated Biphenyls (PCBs)

Sample Name	Lab Code	Date Collected	Date Received
SCTISS29	K0608915-001	09/28/2006	10/14/2006
SCTIBC32a	K0608915-002	10/05/2006	10/14/2006
SCTIBC34	K0608915-005	10/04/2006	10/14/2006
SCTIBC36	K0608915-007	10/06/2006	10/14/2006
SCTIBC32aMS	KWG0619267-1	10/05/2006	10/14/2006
SCTIBC32aDMS	KWG0619267-2	10/05/2006	10/14/2006

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 in the case narrative. 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: Janet L. Heston

Name: Janet L. Heston

Date: 11-27-06

Title: Scientist

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	09/28/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTISS29	**Units:**	ug/Kg
Lab Code:	K0608915-001	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	Ui	10	9.7	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	Ui	21	21	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	Ui	23	23	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	Ui	11	11	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	Ui	11	11	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	Ui	10	3.5	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	71	19-136	11/21/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/05/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC32a	**Units:**	ug/Kg
Lab Code:	K0608915-002	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	Ui	10	6.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	Ui	20	12	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	Ui	10	5.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	Ui	10	6.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	Ui	10	3.0	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	71	19-136	11/21/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/04/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC34	**Units:**	ug/Kg
Lab Code:	K0608915-005	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	Ui	20	7.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	Ui	10	2.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	Ui	10	4.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	Ui	10	0.85	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	Ui	10	2.3	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	72	19-136	11/21/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/06/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC36	**Units:**	ug/Kg
Lab Code:	K0608915-007	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	Ui	10	6.8	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1221	ND	Ui	20	11	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1232	ND	Ui	10	10	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1242	ND	Ui	10	4.7	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1248	ND	Ui	10	6.0	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1260	ND	Ui	10	2.5	1	11/10/06	11/22/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	75	19-136	11/22/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	NA
Sample Matrix:	Animal tissue	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG0619267-4	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	U	20	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	U	10	1.3	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	U	10	0.98	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	U	10	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	U	10	1.9	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	77	19-136	11/21/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine
Sample Matrix: Animal tissue

Service Request: K0608915

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SCTISS29	K0608915-001	71
SCTIBC32a	K0608915-002	71
SCTIBC34	K0608915-005	72
SCTIBC36	K0608915-007	75
Method Blank	KWG0619267-4	77
SCTIBC32aMS	KWG0619267-1	74
SCTIBC32aDMS	KWG0619267-2	73
Lab Control Sample	KWG0619267-3	75

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 19-136

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC32a	**Units:**	ug/Kg
Lab Code:	K0608915-002	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0619267

		SCTIBC32aMS KWG0619267-1 Matrix Spike			SCTIBC32aDMS KWG0619267-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	141	199	71	146	199	73	28-189	4	50
Aroclor 1260	ND	162	199	81	164	199	82	43-153	1	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine
Sample Matrix: Animal tissue

Service Request: K0608915
Date Extracted: 11/10/2006
Date Analyzed: 11/21/2006

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: ug/Kg
Basis: Wet
Level: Low
Extraction Lot: KWG0619267

	Lab Control Sample KWG0619267-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	141	200	71	53-143
Aroclor 1260	155	200	78	58-138

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006
		Time Analyzed:	21:30

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\112106.B\1121F015.D
Lab Code:	KWG0619267-4	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0619267

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0619267-3	J:\GC09\DATA\112106.B\1121F016.D	11/21/06	21:54
SCTISS29	K0608915-001	J:\GC09\DATA\112106.B\1121F017.D	11/21/06	22:19
SCTIBC32a	K0608915-002	J:\GC09\DATA\112106.B\1121F018.D	11/21/06	22:43
SCTIBC32aMS	KWG0619267-1	J:\GC09\DATA\112106.B\1121F019.D	11/21/06	23:07
SCTIBC32aDMS	KWG0619267-2	J:\GC09\DATA\112106.B\1121F020.D	11/21/06	23:32
SCTIBC34	K0608915-005	J:\GC09\DATA\112106.B\1121F021.D	11/21/06	23:56
SCTIBC36	K0608915-007	J:\GC09\DATA\112106.B\1121F022.D	11/22/06	00:21

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006
		Time Analyzed:	21:54

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\112106.B\1121F016.D
Lab Code:	KWG0619267-3	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0619267

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0619267-4	J:\GC09\DATA\112106.B\1121F015.D	11/21/06	21:30
SCTISS29	K0608915-001	J:\GC09\DATA\112106.B\1121F017.D	11/21/06	22:19
SCTIBC32a	K0608915-002	J:\GC09\DATA\112106.B\1121F018.D	11/21/06	22:43
SCTIBC32aMS	KWG0619267-1	J:\GC09\DATA\112106.B\1121F019.D	11/21/06	23:07
SCTIBC32aDMS	KWG0619267-2	J:\GC09\DATA\112106.B\1121F020.D	11/21/06	23:32
SCTIBC34	K0608915-005	J:\GC09\DATA\112106.B\1121F021.D	11/21/06	23:56
SCTIBC36	K0608915-007	J:\GC09\DATA\112106.B\1121F022.D	11/22/06	00:21

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\110106.b\1101F005.D	H	\\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
B	\\Cash3\Acqudata\GC09\data\110106.b\1101F009.D	I	\\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
C	\\Cash3\Acqudata\GC09\data\110106.b\1101F013.D	J	\\Cash3\Acqudata\GC09\data\110106.b\1101F033.D
D	\\Cash3\Acqudata\GC09\data\110106.b\1101F017.D	K	\\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
E	\\Cash3\Acqudata\GC09\data\110106.b\1101F021.D	L	\\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
F	\\Cash3\Acqudata\GC09\data\110106.b\1101F025.D	M	\\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
G	\\Cash3\Acqudata\GC09\data\110106.b\1101F029.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl															
							H	2.5	5270	I	5.0	5500	J	50	5370
	K	100	5080	L	200	4820	M	500	4160						
Aroclor 1016 {1}															
							H	25	100	I	50	110	J	500	116
	K	1000	107	L	2000	98.8	M	5000	86.0						
Aroclor 1016 {2}															
							H	25	580	I	50	599	J	500	530
	K	1000	480	L	2000	429	M	5000	354						
Aroclor 1016 {3}															
							H	25	245	I	50	239	J	500	228
	K	1000	211	L	2000	190	M	5000	159						
Aroclor 1016 {4}															
							H	25	177	I	50	206	J	500	196
	K	1000	175	L	2000	164	M	5000	137						
Aroclor 1016 {5}															
							H	25	149	I	50	170	J	500	164
	K	1000	151	L	2000	135	M	5000	114						
Aroclor 1260 {1}															
							H	25	269	I	50	275	J	500	249
	K	1000	229	L	2000	208	M	5000	177						
Aroclor 1260 {2}															
							H	25	397	I	50	396	J	500	381
	K	1000	346	L	2000	317	M	5000	267						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}															
							H	25	288	I	50	345	J	500	380
	K	1000	357	L	2000	346	M	5000	301						
Aroclor 1260 {4}															
							H	25	216	I	50	226	J	500	235
	K	1000	224	L	2000	215	M	5000	190						
Aroclor 1260 {5}															
							H	25	388	I	50	428	J	500	510
	K	1000	485	L	2000	464	M	5000	409						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	9.7		≤20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	10.1		≤20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	18.9		≤20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	15.5		≤20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	13.9		≤20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	13.9		≤20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	16.0		≤20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	14.7		≤20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	10.3		≤20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	7.1		≤20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	10.5		≤20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006
Date Analyzed: 11/02/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5763
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F038.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F042.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F043.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F044.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F045.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	930	NA	NA	NA	7	± 15 %	NA
Aroclor 1016 {1}	1000	1000	103	103	0	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	890	495	442	-11	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	910	212	193	-9	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	890	176	157	-11	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	950	147	140	-5	NA	± 100 %	AverageRF
Aroclor 1260	1000	960	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	850	234	199	-15	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	910	351	318	-9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	870	336	291	-13	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	218	227	4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	447	505	13	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R005.D	H	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R031.D
B	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R009.D	I	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D
C	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R013.D	J	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R033.D
D	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R017.D	K	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R034.D
E	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R021.D	L	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R035.D
F	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R025.D	M	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R036.D
G	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R029.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl															
							H	2.5	5360	I	5.0	5600	J	50	5390
	K	100	5100	L	200	4820	M	500	4150						
Aroclor 1016 {1}															
							H	25	204	I	50	205	J	500	181
	K	1000	164	L	2000	146	M	5000	121						
Aroclor 1016 {2}															
							H	25	413	I	50	430	J	500	356
	K	1000	331	L	2000	301	M	5000	259						
Aroclor 1016 {3}															
							H	25	258	I	50	268	J	500	242
	K	1000	224	L	2000	208	M	5000	171						
Aroclor 1016 {4}															
							H	25	128	I	50	149	J	500	150
	K	1000	136	L	2000	124	M	5000	105						
Aroclor 1016 {5}															
							H	25	133	I	50	166	J	500	167
	K	1000	155	L	2000	143	M	5000	121						
Aroclor 1260 {1}															
							H	25	286	I	50	295	J	500	296
	K	1000	266	L	2000	246	M	5000	211						
Aroclor 1260 {2}															
							H	25	330	I	50	358	J	500	329
	K	1000	298	L	2000	277	M	5000	238						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}															
							H	25	333	I	50	345	J	500	403
	K	1000	381	L	2000	365	M	5000	323						
Aroclor 1260 {4}															
							H	25	153	I	50	160	J	500	212
	K	1000	200	L	2000	191	M	5000	166						
Aroclor 1260 {5}															
							H	25	225	I	50	229	J	500	246
	K	1000	239	L	2000	234	M	5000	211						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	10.3		≤20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	19.6		≤20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	18.8		≤20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	15.6		≤20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	12.8		≤20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	12.5		≤20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	12.6		≤20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	14.2		≤20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	8.5		≤20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	13.3		≤20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	5.3		≤20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006
Date Analyzed: 11/02/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5763
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R037.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R038.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R039.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R040.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R041.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R042.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R043.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R044.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R045.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	920	NA	NA	NA	8	± 15 %	NA
Aroclor 1016 {1}	1000	910	170	154	-9	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	890	348	311	-11	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	900	229	207	-10	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	940	132	123	-6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	970	148	143	-3	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	1	± 15 %	NA
Aroclor 1260 {1}	1000	930	267	248	-7	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	910	305	277	-9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	890	358	320	-11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	180	217	20	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	231	239	4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/21/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F014.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	5030	4980	-1	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 15 %	NA
Aroclor 1016 {1}	1000	1100	103	113	10	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	495	479	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	990	212	210	-1	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	176	181	3	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	147	148	0	NA	± 100 %	AverageRF
Aroclor 1260	1000	950	NA	NA	NA	-5	± 15 %	NA
Aroclor 1260 {1}	1000	910	234	214	-9	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	910	351	319	-9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	336	336	0	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	960	218	209	-4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	980	447	439	-2	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/21/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R014.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5070	5390	6	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	0	± 15 %	NA
Aroclor 1016 {1}	1000	980	170	167	-2	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	940	348	328	-6	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	980	229	224	-2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	132	137	4	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	148	155	5	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	990	267	263	-1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	980	305	298	-2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	358	379	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	180	203	12	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	231	244	6	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/22/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F025.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5030	5380	7	NA	± 15 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	6	± 15 %	NA
Aroclor 1016 {1}	1000	1100	103	117	14	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	495	497	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	212	218	3	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	176	189	8	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	147	156	6	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	3	± 15 %	NA
Aroclor 1260 {1}	1000	1000	234	234	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	351	350	0	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	336	358	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	218	226	4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	447	471	5	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/22/2006

Continuing Calibration Verification Summary
Polychlorinated Bipbenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R025.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5070	5660	12	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	3	± 15 %	NA
Aroclor 1016 {1}	1000	1000	170	174	2	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	348	350	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	980	229	225	-2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	132	141	7	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	148	160	8	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	9	± 15 %	NA
Aroclor 1260 {1}	1000	1000	267	277	4	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	305	314	3	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	358	396	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	180	214	19	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	231	256	11	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082

Analysis Lot: KWG0620056
Instrument ID: GC09.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1121F003.D	Instrument Blank	KWG0620056-1	11/21/2006	15:54		11/21/2006	15:54
1121F004.D	Continuing Calibration Verification	KWG0620056-2	11/21/2006	16:18		11/21/2006	16:18
1121F005.D	ZZZZZZ	ZZZZZZ	11/21/2006	16:43		11/21/2006	16:43
1121F006.D	ZZZZZZ	ZZZZZZ	11/21/2006	17:07		11/21/2006	17:07
1121F007.D	ZZZZZZ	ZZZZZZ	11/21/2006	17:32		11/21/2006	17:32
1121F008.D	ZZZZZZ	ZZZZZZ	11/21/2006	17:58		11/21/2006	17:58
1121F009.D	ZZZZZZ	ZZZZZZ	11/21/2006	18:23		11/21/2006	18:23
1121F010.D	ZZZZZZ	ZZZZZZ	11/21/2006	18:47		11/21/2006	18:47
1121F011.D	ZZZZZZ	ZZZZZZ	11/21/2006	19:12		11/21/2006	19:12
1121FA11.D	ZZZZZZ	ZZZZZZ	11/21/2006	19:36		11/21/2006	19:36
1121F013.D	Instrument Blank	KWG0620056-3	11/21/2006	20:41		11/21/2006	20:41
1121F014.D	Continuing Calibration Verification	KWG0620056-4	11/21/2006	21:05		11/21/2006	21:05
1121F015.D	Method Blank	KWG0619267-4	11/21/2006	21:30		11/21/2006	21:30
1121F016.D	Lab Control Sample	KWG0619267-3	11/21/2006	21:54		11/21/2006	21:54
1121F017.D	SCTISS29	K0608915-001	11/21/2006	22:19		11/21/2006	22:19
1121F018.D	SCTIBC32a	K0608915-002	11/21/2006	22:43		11/21/2006	22:43
1121F019.D	SCTIBC32aMS	KWG0619267-1	11/21/2006	23:07		11/21/2006	23:07
1121F020.D	SCTIBC32aDMS	KWG0619267-2	11/21/2006	23:32		11/21/2006	23:32
1121F021.D	SCTIBC34	K0608915-005	11/21/2006	23:56		11/21/2006	23:56
1121F022.D	SCTIBC36	K0608915-007	11/22/2006	00:21		11/22/2006	00:21
1121FA22.D	ZZZZZZ	ZZZZZZ	11/22/2006	00:45		11/22/2006	00:45
1121FA23.D	ZZZZZZ	ZZZZZZ	11/22/2006	01:09		11/22/2006	01:09
1121FA24.D	ZZZZZZ	ZZZZZZ	11/22/2006	01:34		11/22/2006	01:34
1121FA25.D	ZZZZZZ	ZZZZZZ	11/22/2006	01:58		11/22/2006	01:58
1121FA26.D	ZZZZZZ	ZZZZZZ	11/22/2006	02:22		11/22/2006	02:22
1121FA27.D	ZZZZZZ	ZZZZZZ	11/22/2006	02:47		11/22/2006	02:47
1121F024.D	Instrument Blank	KWG0620056-5	11/22/2006	03:52		11/22/2006	03:52
1121F025.D	Continuing Calibration Verification	KWG0620056-6	11/22/2006	04:16		11/22/2006	04:16

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine
Sample Matrix: Animal tissue

Service Request: K0608915
Date Extracted: 11/10/2006

Extraction Prep Log
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0619267
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SCTISS29	K0608915-001	09/28/06	10/14/06	10.00g	2ml	NA	
SCTIBC32a	K0608915-002	10/05/06	10/14/06	10.03g	2ml	NA	
SCTIBC34	K0608915-005	10/04/06	10/14/06	10.02g	2ml	NA	
SCTIBC36	K0608915-007	10/06/06	10/14/06	10.01g	2ml	NA	
Method Blank	KWG0619267-4	NA	NA	10.04g	2ml	NA	
SCTIBC32aMS	KWG0619267-1	10/05/06	10/14/06	10.03g	2ml	NA	
SCTIBC32aDMS	KWG0619267-2	10/05/06	10/14/06	10.04g	2ml	NA	
Lab Control Sample	KWG0619267-3	NA	NA	10.02g	2ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

QC Reports

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine
Sample Matrix: Animal tissue

Service Request: K0608915

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SCTISS29	K0608915-001	71
SCTIBC32a	K0608915-002	71
SCTIBC34	K0608915-005	72
SCTIBC36	K0608915-007	75
Method Blank	KWG0619267-4	77
SCTIBC32aMS	KWG0619267-1	74
SCTIBC32aDMS	KWG0619267-2	73
Lab Control Sample	KWG0619267-3	75

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 19-136

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC32a	**Units:**	ug/Kg
Lab Code:	K0608915-002	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0619267

		SCTIBC32aMS KWG0619267-1 Matrix Spike			SCTIBC32aDMS KWG0619267-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	141	199	71	146	199	73	28-189	4	50
Aroclor 1260	ND	162	199	81	164	199	82	43-153	1	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method:	EPA 3540C	**Units:**	ug/Kg
Analysis Method:	8082	**Basis:**	Wet
		Level:	Low
		Extraction Lot:	KWG0619267

	Lab Control Sample KWG0619267-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	141	200	71	53-143
Aroclor 1260	155	200	78	58-138

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006
		Time Analyzed:	21:30

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\112106.B\1121F015.D
Lab Code:	KWG0619267-4	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0619267

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0619267-3	J:\GC09\DATA\112106.B\1121F016.D	11/21/06	21:54
SCTISS29	K0608915-001	J:\GC09\DATA\112106.B\1121F017.D	11/21/06	22:19
SCTIBC32a	K0608915-002	J:\GC09\DATA\112106.B\1121F018.D	11/21/06	22:43
SCTIBC32aMS	KWG0619267-1	J:\GC09\DATA\112106.B\1121F019.D	11/21/06	23:07
SCTIBC32aDMS	KWG0619267-2	J:\GC09\DATA\112106.B\1121F020.D	11/21/06	23:32
SCTIBC34	K0608915-005	J:\GC09\DATA\112106.B\1121F021.D	11/21/06	23:56
SCTIBC36	K0608915-007	J:\GC09\DATA\112106.B\1121F022.D	11/22/06	00:21

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Extracted:**	11/10/2006
Sample Matrix:	Animal tissue	**Date Analyzed:**	11/21/2006
		Time Analyzed:	21:54

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\112106.B\1121F016.D
Lab Code:	KWG0619267-3	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0619267

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0619267-4	J:\GC09\DATA\112106.B\1121F015.D	11/21/06	21:30
SCTISS29	K0608915-001	J:\GC09\DATA\112106.B\1121F017.D	11/21/06	22:19
SCTIBC32a	K0608915-002	J:\GC09\DATA\112106.B\1121F018.D	11/21/06	22:43
SCTIBC32aMS	KWG0619267-1	J:\GC09\DATA\112106.B\1121F019.D	11/21/06	23:07
SCTIBC32aDMS	KWG0619267-2	J:\GC09\DATA\112106.B\1121F020.D	11/21/06	23:32
SCTIBC34	K0608915-005	J:\GC09\DATA\112106.B\1121F021.D	11/21/06	23:56
SCTIBC36	K0608915-007	J:\GC09\DATA\112106.B\1121F022.D	11/22/06	00:21

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	09/28/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTISS29	**Units:**	ug/Kg
Lab Code:	K0608915-001	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	Ui	10	9.7	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	Ui	21	21	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	Ui	23	23	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	Ui	11	11	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	Ui	11	11	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	Ui	10	3.5	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	71	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F017.D
Lab ID: K0608915-001
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:19
Date Quantitated: 11/22/2006 14:31
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {2}	6.487	NA	NA	MRL+
	Aroclor 1016 {3}	6.65	NA	NA	
	Aroclor 1016 {5}	7.393	NA	NA	
	Aroclor 1221 {4}	5.07	NA	NA	
	Aroclor 1232 {1}	5.07	NA	NA	
	Aroclor 1232 {2}	5.717	NA	NA	
	Aroclor 1232 {3}	6.487	NA	NA	
	Aroclor 1232 {4}	6.65	NA	NA	
	Aroclor 1242 {1}	5.717	NA	NA	
	Aroclor 1242 {2}	6.487	NA	NA	
	Aroclor 1242 {3}	6.65	NA	NA	
	Aroclor 1248 {2}	7.393	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Printed: 11/22/2006 14:35:10
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R017.D
Lab ID: K0608915-001
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:19
Date Quantitated: 11/22/2006 14:32
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {1}	6.14	NA	NA	MRL 4
	Aroclor 1016 {2}	7.007	NA	NA	
	Aroclor 1016 {3}	7.13	NA	NA	
	Aroclor 1016 {4}	7.507	NA	NA	
	Aroclor 1016 {5}	7.62	NA	NA	
	Aroclor 1221 {4}	5.463	NA	NA	
	Aroclor 1232 {1}	5.463	NA	NA	
	Aroclor 1232 {3}	7.007	NA	NA	
	Aroclor 1242 {1}	6.14	NA	NA	
	Aroclor 1242 {2}	7.13	NA	NA	
	Aroclor 1242 {3}	7.507	NA	NA	
	Aroclor 1242 {4}	7.62	NA	NA	
	Aroclor 1242 {5}	7.897	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R017.D
Lab ID: K0608915-001
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:19
Date Quantitated: 11/22/2006 14:32
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
	Aroclor 1248 {1}	7.62	NA	NA	MHA
	Aroclor 1248 {2}	7.897	NA	NA	

Primary Review: 11/22/06

Secondary Review: AC 11/24/06

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**	09/28/2006	**Receive Date:**	10/14/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	K0608915
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548424	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ2817
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112106.B\1121F017.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R017.D			**Vial:**	12
Acqu Date:	11/21/2006 22:19	**Quant Date:**	11/22/2006 14:31	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-001				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.71	+0.00	18.18		333951	360763	66.37	71.17			71OK
						%Recovery =	66OK	71OK	Limits =	19-136	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016					0	0	132.45	48.23	26	9.6J	26P
Aroclor 1016 {1}	6.04	-0.04	6.14	+0.06 c	29684m	2927m	288.16	17.21	58	3.4J	RPD
Aroclor 1016 {2}	6.49	+0.04 c	7.01	-0.05 c	22609m	13379m	45.66	38.40	9.1J	7.7J	
Aroclor 1016 {3}	6.65	+0.03 c	7.13	+0.01 c	6072m	2957m	28.64	12.93	5.7J	2.6J	
Aroclor 1016 {4}			7.51	-0.01 c	0m	12705m	0.0000	96.36	2.4U	19	
Aroclor 1016 {5}	7.39	-0.04 c	7.62	0.00 c	24592m	11251m	167.36	76.23	33	15	
Aroclor 1221					0	0	102.50	118.86	21	24	24
Aroclor 1221 {1}	3.64		3.86		228m	7046	5.41	157.17	1.6U	31	
Aroclor 1221 {2}	4.67		5.23		7702m	11915	123.04	159.06	25	32	
Aroclor 1221 {3}	4.83				5388m	0	126.91	0.0000	25	1.6U	
Aroclor 1221 {4}	5.07	c	5.46	c	23180m	6671	154.66	40.37	31	8.1J	RPD
Aroclor 1232					0	0	114.53	257.97	23	52	52P
Aroclor 1232 {1}	5.07	c	5.46	c	23180m	6671m	187.17	48.03	37	9.6J	RPD
Aroclor 1232 {2}	5.72	c	6.47		10705m	41067m	93.85	458.26	19	92	RPD
Aroclor 1232 {3}	6.49	c	7.01	c	22609m	13379m	109.10	163.17	22	33	
Aroclor 1232 {4}	6.65	c	7.34		6072m	24421m	67.99	362.42	14	72	RPD
Aroclor 1242					0	0	50.40	72.64	10	15	15
Aroclor 1242 {1}	5.72	c	6.14	c	10705m	2927m	54.49	32.71	11	6.5J	
Aroclor 1242 {2}	6.49	c	7.13	c	22609m	2957m	59.91	16.83	12	3.4J	RPD
Aroclor 1242 {3}	6.65	c	7.51	c	6072m	12705m	36.80	124.49	7.4J	25	RPD

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F017.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R017.D			**Vial:**	12
Acqu Date:	11/21/2006 22:19	**Quant Date:**	11/22/2006 14:31	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-001				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {4}			7.62	c	0m	11251m	0.0000	94.25	0.98U	19	
Aroclor 1242 {5}	7.07		7.90	c	0m	10597m	0.0000	94.91	0.98U	19	
Aroclor 1248					0	0	152.93	52.75	31	11i	**31**P
Aroclor 1248 {1}			7.62	c	0m	11251m	0.0000	65.07	1.6U	13	
Aroclor 1248 {2}	7.39	c	7.90	c	24592m	10597m	130.53	57.01	26	11	
Aroclor 1248 {3}	7.63		8.24		38579m	0m	255.94	0.0000	51	1.6U	
Aroclor 1248 {4}	8.08		8.80		17250m	20558m	72.32	52.72	14	11	
Aroclor 1248 {5}			8.89		0m	8379m	0.0000	36.21	1.6U	7.2J	
Aroclor 1254					0	0	90.20	29.23	19Ui	5.9Ui	5.9Ui
Aroclor 1254 {1}			9.13		0m	24928m	0.0000	77.58	0.61Ui	0.61Ui	
Aroclor 1254 {2}	8.45		9.78		70508m	413m	263.83	2.50	0.61Ui	0.61Ui	
Aroclor 1254 {3}	9.19				483m	0m	2.66	0.0000	0.61Ui	0.61Ui	
Aroclor 1254 {4}	9.27		10.59		1571m	1900m	4.11	7.61	0.61Ui	0.61Ui	
Aroclor 1254 {5}					0m	0m	0.0000	0.0000	0.61Ui	0.61Ui	
Aroclor 1260					0	0	22.06	17.09	4.4J	3.4J	**4.4**J
Aroclor 1260 {1}	9.45	+0.07	10.19	-0.06	15017m	1252m	64.05	4.70	13	1.9U	
Aroclor 1260 {2}	10.01	+0.03	10.68	-0.09	3698m	2328m	10.54	7.63	2.1J	1.9U	
Aroclor 1260 {3}	10.75				4000m	0m	11.90	0.0000	2.4J	1.9U	
Aroclor 1260 {4}	11.54	+0.08	11.59	+0.03	4622m	3103m	21.23	17.20	4.2J	3.4J	
Aroclor 1260 {5}	11.91	-0.02	12.08		1160m	8955m	2.59	38.84	1.9U	7.8J	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.00 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F017.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F017.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R017.D
Inj Date : 21-NOV-2006 22:19
Sample Info: K0608915-001 | SCTISS29
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08915001.H | F=2 D=
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	326233	358628	66.6	61.7		100.00(RM)
Aroclor 1016	6.040	6.140	29684	2927	288	17.2	80.00- 120.00	100.00(TM)
	6.487	7.007	22609	13379	45.6	38.4	339.32- 508.98	76.17(TM)
	6.650	7.130	6072	2957	28.6	12.9	148.90- 223.36	20.46(TM)
	0.000	7.507		12705		96.4	65.13- 97.69	434.07(TM)
	7.393	7.620	24592	11251	167	76.2	106.78- 160.17	82.84(TM)
		Average of Peak Amounts =			132	48.2		
Aroclor 1221	3.643	3.857	228	7046	5.42	157	80.00- 120.00	100.00(M)
	4.670	5.233	7702	11915	123	159	118.80- 178.20	3372.42(M)
	4.827	0.000	5388		127		80.58- 120.87	2359.06(M)
	5.070	5.463	23180	6671	155	40.4	284.44- 426.66	10149.26(M)
		Average of Peak Amounts =			103	119		
Aroclor 1232	5.070	5.463	23180	6671	187	48.0	80.00- 120.00	100.00(M)
	5.717	6.473	10705	41067	93.8	458	73.68- 110.52	46.18(M)
	6.487	7.007	22609	13379	109	163	133.86- 200.79	97.53(M)
	6.650	7.343	6072	24421	68.0	362	57.69- 86.54	26.19(M)
		Average of Peak Amounts =			114	258		
Aroclor 1242	5.717	6.140	10705	2927	54.5	32.7	80.00- 120.00	100.00(TM)
	6.487	7.130	22609	2957	59.9	16.8	153.67- 230.50	211.19(TM)
	6.650	7.507	6072	12705	36.8	124	67.20- 100.80	56.72(TM)
	0.000	7.620		11251		94.2	106.73- 160.09	384.40(TM)
	7.073	7.897		10597		94.9	99.82- 149.72	362.05(TM)
		Average of Peak Amounts =			50.4	72.5		
Aroclor 1248	0.000	7.620		11251		65.1	80.00- 120.00	100.00(TM)
	7.393	7.897	24592	10597	130	57.0	65.16- 97.74	0.00(TM)
	7.633	8.237	38579		256		52.13- 78.20	0.00(TM)
	8.077	8.797	17250	20558	72.3	52.7	82.49- 123.74	0.00(TM)
	0.000	8.887		8379		36.2	107.08- 160.61	74.47(TM)

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F017.D
Report Date: 22-Nov-2006 11:36

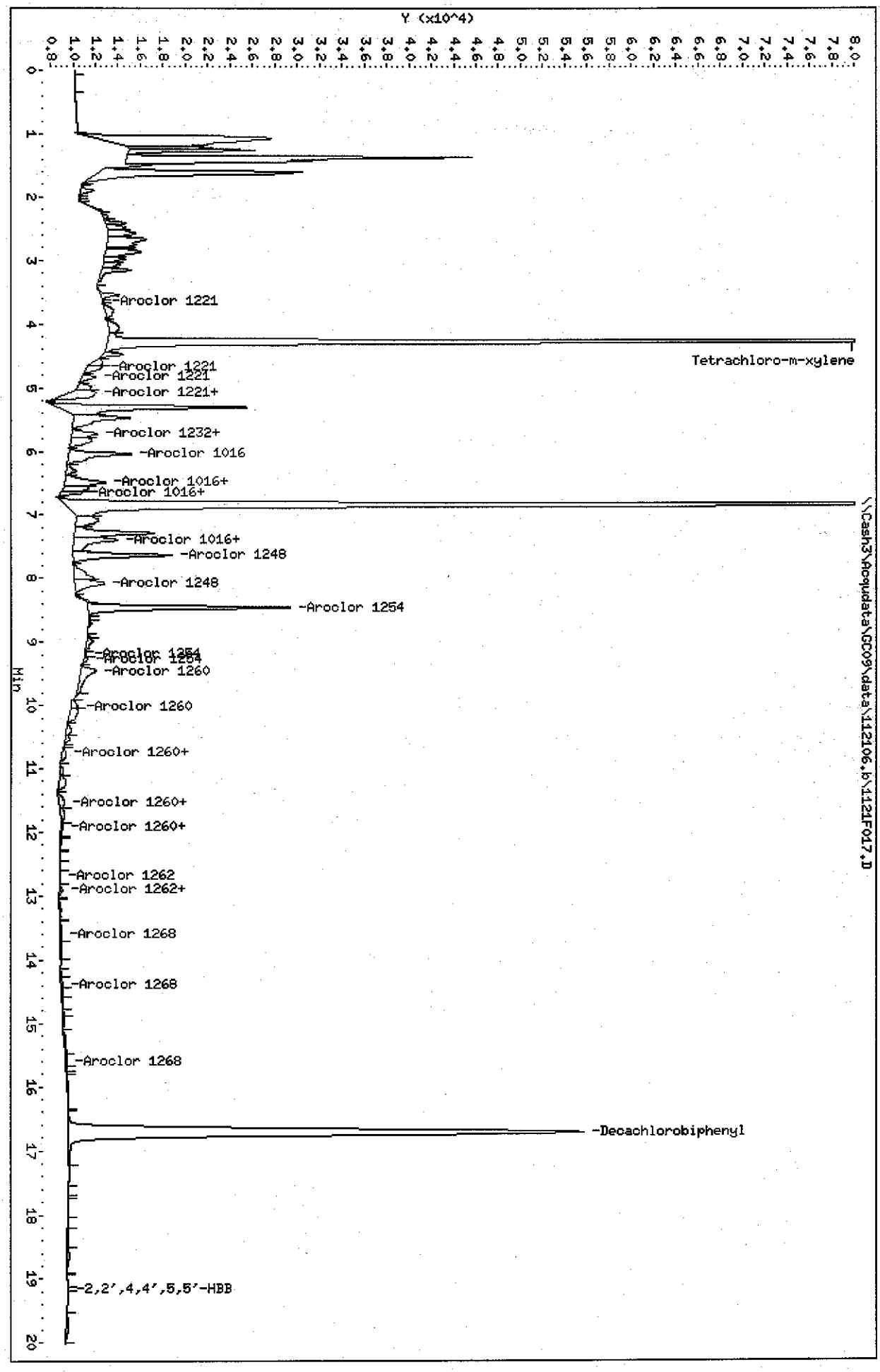
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
		Average of Peak Amounts =			153	52.8		
Aroclor 1254	0.000	9.133		24928		77.6	80.00- 120.00	100.00(TM)
	8.453	9.780	70508	413	264	2.50	84.78- 127.17	0.00(TM)
	9.187	0.000	483		2.66		57.66- 86.49	0.00(TM)
	9.267	10.593	1571	1900	4.11	7.61	121.33- 182.00	0.00(TM)
	0.000	0.000					71.24- 106.86	0.00(TM)
		Average of Peak Amounts =			90.2	29.2		
Aroclor 1260	9.450	10.190	15017	1252	64.0	4.70	80.00- 120.00	100.00(M)
	10.010	10.683	3698	2328	10.5	7.63	119.45- 179.17	24.63(M)
	10.750	0.000	4000		11.9		122.03- 183.05	26.64(M)
	11.537	11.593	4622	3103	21.2	17.2	77.12- 115.68	30.78(M)
	11.910	12.080	1160	8955	2.59	38.8	160.61- 240.92	7.72(M)
		Average of Peak Amounts =			22.0	17.1		
Aroclor 1262	10.750	11.593	4000	3103	11.1	10.1	80.00- 120.00	100.00
	11.537	12.080	4622	8955	17.1	37.9	60.24- 90.36	115.55
	11.910	12.883	1160	8221	2.14	16.0	120.56- 180.84	29.00
	12.677	13.663	681	8482	2.98	23.0	50.99- 76.48	17.03
	12.903	13.910	1797	8788	4.34	31.9	92.25- 138.38	44.92
		Average of Peak Amounts =			7.53	23.8		
Aroclor 1268	12.903	13.910	1797	8788	2.69	13.6	80.00- 120.00	100.00(T)
	13.593	14.683	1125	700	1.94	1.22	69.37- 104.06	62.60(T)
	0.000	0.000					19.28- 28.92	0.00(T)
	14.387	0.000	1073		4.40		29.21- 43.82	59.71(T)
	15.600	17.050	1208	2893	0.693	1.66	208.69- 313.04	67.22(T)
		Average of Peak Amounts =			2.43	5.49		
Decachlorobiphenyl	16.707	18.183	333951	360763	66.4	71.2		100.00(R)
2,2',4,4',5,5'-HBB	19.170	0.000	153	0	0.000	0.000		100.00

QC Flag Legend

T - Target compound detected outside RT window.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F017.D
Date : 21-NOV-2006 22:19
Client ID:
Sample Info: K0608915-001 | SCTISS29
Column phase: DB-35MS

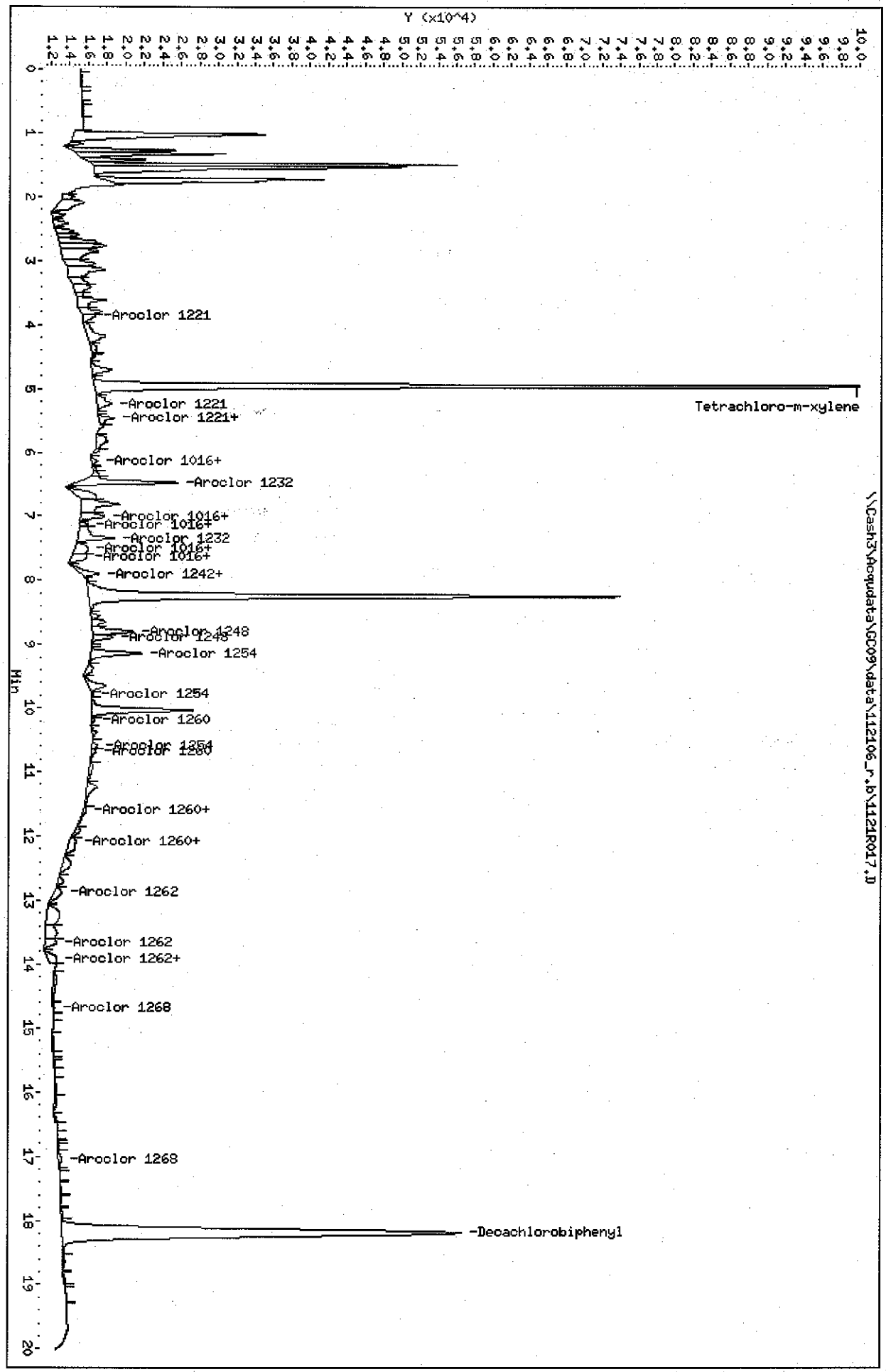
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



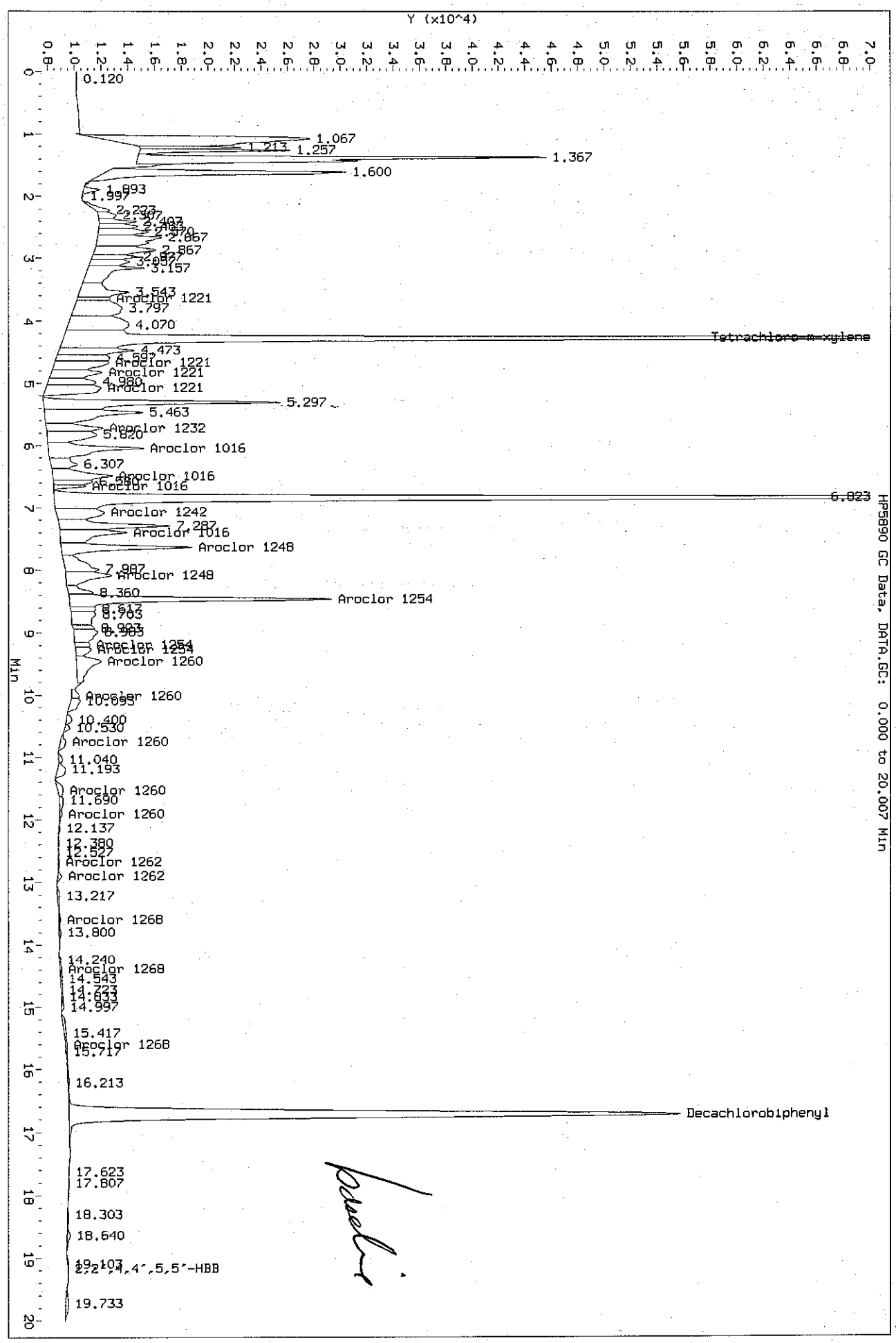
Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R017.D
Date : 21-NOV-2006 22:19
Client ID:
Sample Info: K0608915-001 | SCTISS29

Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F017.D
Injection Date: 21-NOV-2006 22:19
Instrument: GC09.i
Client Sample ID:



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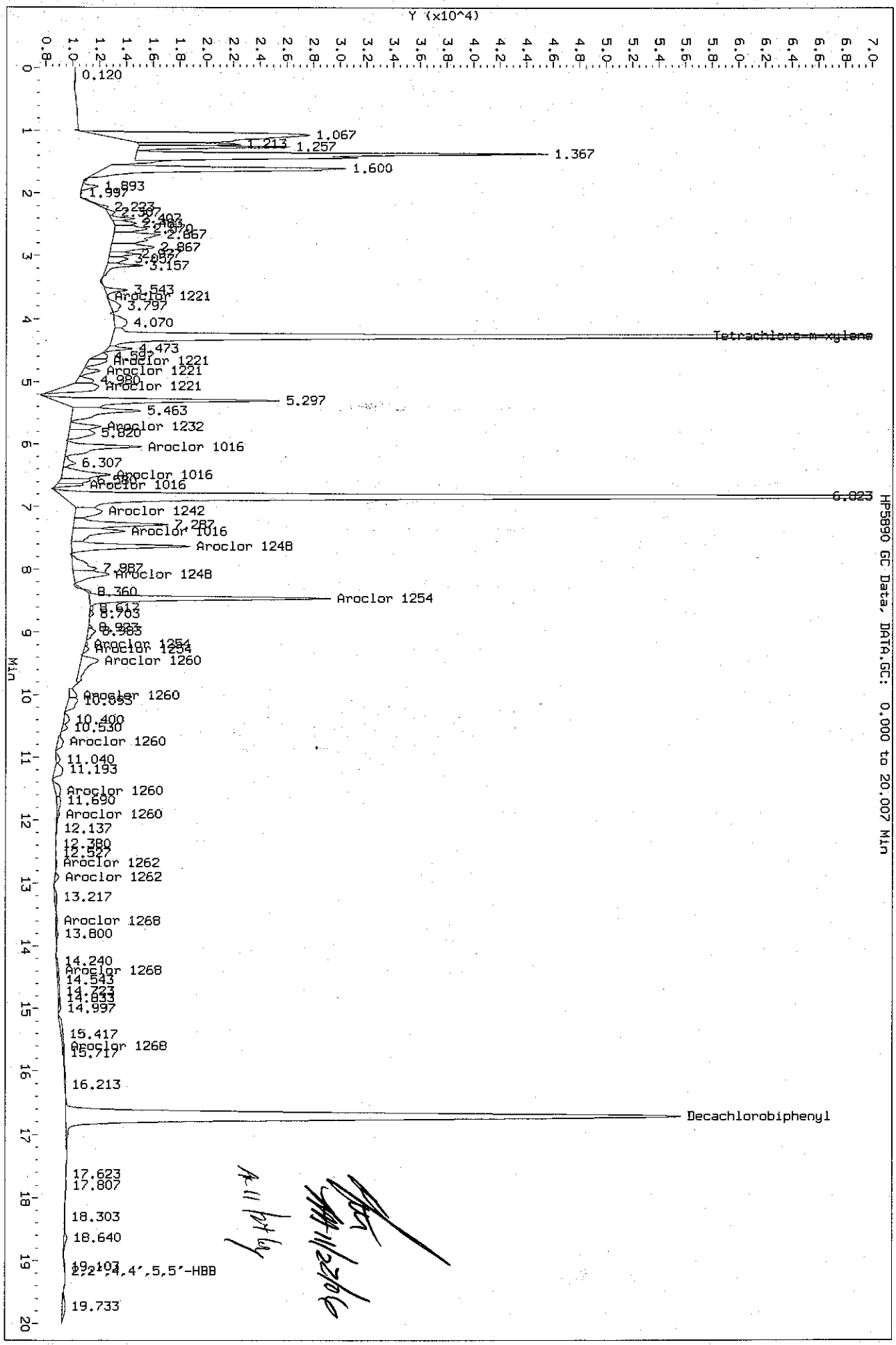
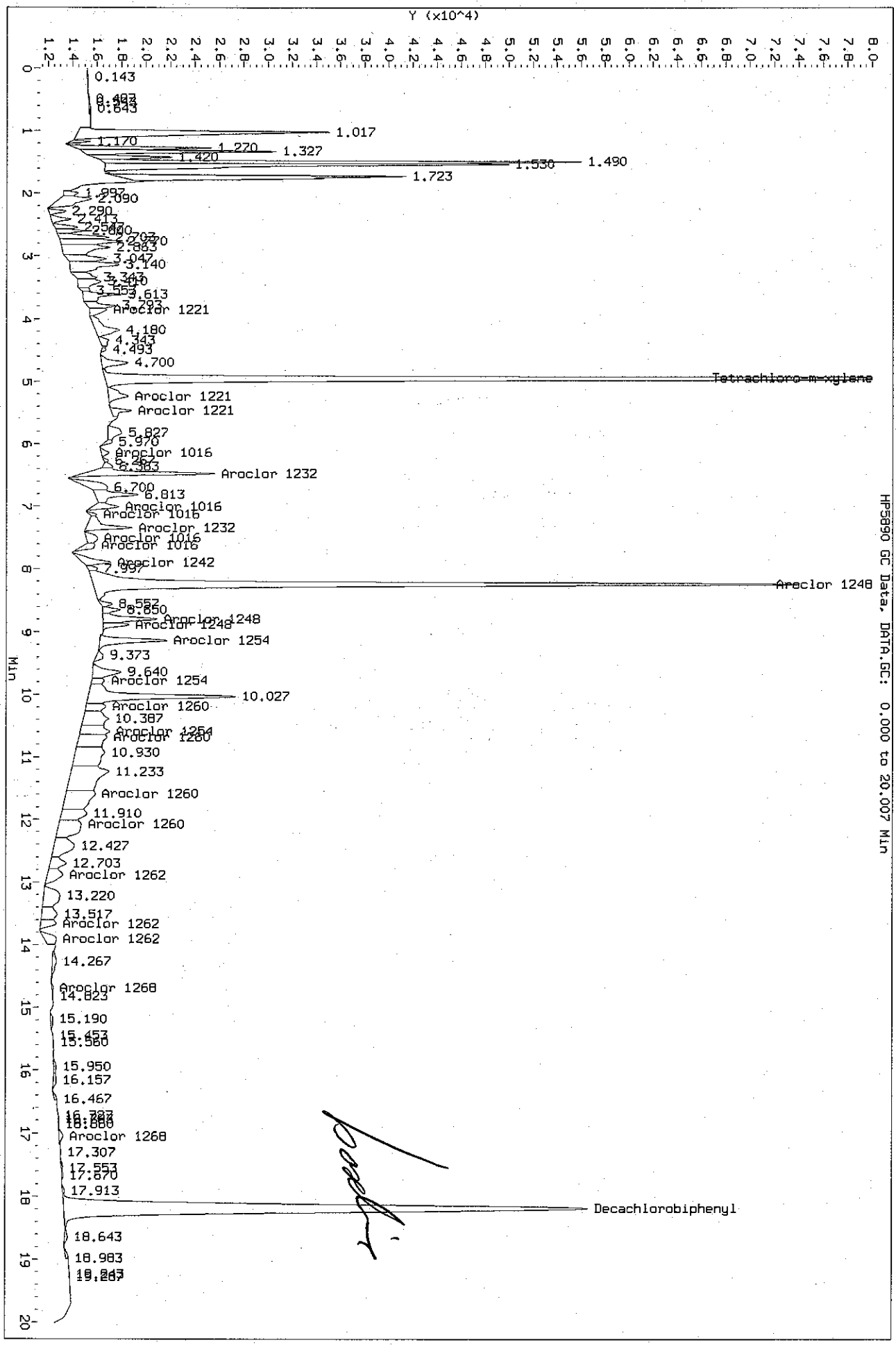
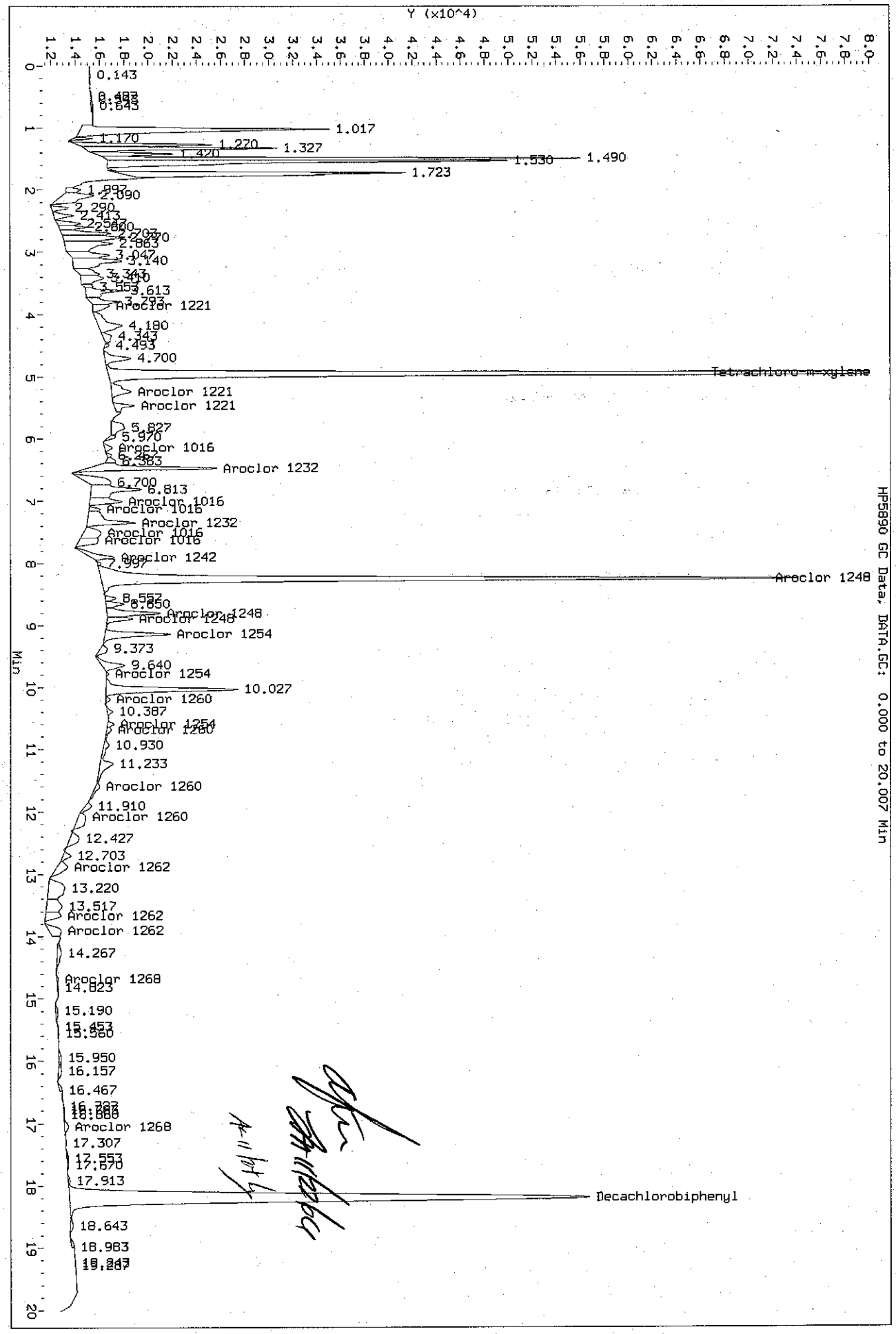
Injection Date: 21-NOV-2006 22:19
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R017.D
Injection Date: 21-NOV-2006 22:19
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R017.D
Injection Date: 21-NOV-2006 22:19
Instrument: GC09.i
Client Sample ID:



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/05/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC32a	**Units:**	ug/Kg
Lab Code:	K0608915-002	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	Ui	10	6.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	Ui	20	12	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	Ui	10	5.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	Ui	10	6.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	Ui	10	3.0	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	71	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F018.D
Lab ID: K0608915-002
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:43
Date Quantitated: 11/22/2006 14:31
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {2}	6.487	NA	NA	MKL
	Aroclor 1016 {3}	6.6	NA	NA	
	Aroclor 1016 {4}	6.97	NA	NA	
	Aroclor 1016 {5}	7.397	NA	NA	
	Aroclor 1221 {4}	4.997	NA	NA	
	Aroclor 1232 {1}	4.997	NA	NA	
	Aroclor 1232 {2}	5.713	NA	NA	
	Aroclor 1232 {3}	6.487	NA	NA	
	Aroclor 1232 {4}	6.6	NA	NA	
	Aroclor 1242 {1}	5.713	NA	NA	
	Aroclor 1242 {2}	6.487	NA	NA	
	Aroclor 1242 {3}	6.6	NA	NA	
	Aroclor 1242 {4}	6.97	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F018.D
Lab ID: K0608915-002
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:43
Date Quantitated: 11/22/2006 14:31
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
	Aroclor 1248 {1}	6.97	NA	NA	NELA
	Aroclor 1248 {2}	7.397	NA	NA	
	Aroclor 1248 {5}	8.247	NA	NA	
	Aroclor 1254 {1}	8.247	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/24/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R018.D
Lab ID: K0608915-002
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:43
Date Quantitated: 11/22/2006 14:33
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {1}	6.147	NA	NA	MRL-4
	Aroclor 1016 {2}	7.01	NA	NA	
	Aroclor 1016 {4}	7.527	NA	NA	
	Aroclor 1016 {5}	7.657	NA	NA	
	Aroclor 1221 {4}	5.46	NA	NA	
	Aroclor 1232 {1}	5.46	NA	NA	
	Aroclor 1232 {3}	7.01	NA	NA	
	Aroclor 1242 {1}	6.147	NA	NA	
	Aroclor 1242 {3}	7.527	NA	NA	
	Aroclor 1242 {4}	7.657	NA	NA	
	Aroclor 1242 {5}	7.897	NA	NA	
	Aroclor 1248 {1}	7.657	NA	NA	
	Aroclor 1248 {2}	7.897	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Printed: 11/22/2006 14:35:22
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R018.D
Lab ID: K0608915-002
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 22:43
Date Quantitated: 11/22/2006 14:33
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
	Aroclor 1254 {5}	11.307	NA	NA	
	Aroclor 1260 {3}	11.307	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**	10/05/2006	**Receive Date:**	10/14/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	K0608915
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548425	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ2817
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112106.B\1121F018.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R018.D			**Vial:**	13
Acqu Date:	11/21/2006 22:43	**Quant Date:**	11/22/2006 14:31	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-002				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.70	18.18	326732	357874	64.93	70.60			71OK
				%Recovery =	65OK	71OK	Limits =	19-136	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	61.67	30.77	12	6.1J	12P
Aroclor 1016 {1}	6.04 -0.05	6.15 +0.07c	0	1109	0.0000	6.52	2.4U	2.4U	
Aroclor 1016 {2}	6.49 +0.04c	7.01 -0.05c	14104	4651	28.48	13.35	5.7J	2.7J	
Aroclor 1016 {3}	6.60 -0.02c		0	0	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {4}	6.97 +0.04c	7.53 +0.01c	0	471	0.0000	3.57	2.4U	2.4U	
Aroclor 1016 {5}	7.40 -0.04c	7.66 +0.03c	13940	14708	94.87	99.65	19	20	
Aroclor 1221			0	0	57.95	66.37	12J	13J	13J
Aroclor 1221 {1}	3.54	3.91	5507	1626	130.65	36.27	26	7.2J	RPD
Aroclor 1221 {2}	4.69	5.23	1412	10334	22.56	137.95	4.5J	28	RPD
Aroclor 1221 {3}	4.82		2442	0	57.52	0.0000	11J	1.6U	
Aroclor 1221 {4}	5.00 c	5.46 c	3158	4115	21.07	24.90	4.2J	5.0J	
Aroclor 1232			0	0	39.21	158.09	7.9Ui	32Ui	7.9Ui
Aroclor 1232 {1}	5.00 c	5.46 c	3158	4115	25.50	29.63	1.3Ui	1.3Ui	
Aroclor 1232 {2}	5.71 c	6.47	2746	0	24.07	0.0000	1.3Ui	1.3Ui	
Aroclor 1232 {3}	6.49 c	7.01 c	14104	4651	68.06	56.72	1.3Ui	1.3Ui	
Aroclor 1232 {4}	6.60 c	7.33	0	26140	0.0000	387.93	1.3Ui	1.3Ui	
Aroclor 1242			0	0	25.68	72.23	5.1J	14	14P
Aroclor 1242 {1}	5.71 c	6.15 c	2746	1109	13.98	12.39	2.8J	2.5J	
Aroclor 1242 {2}	6.49 c		14104	0	37.37	0.0000	7.5J	0.98U	
Aroclor 1242 {3}	6.60 c	7.53 c	0	471	0.0000	4.62	0.98U	0.98U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F018.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R018.D			**Vial:**	13
Acqu Date:	11/21/2006 22:43	**Quant Date:**	11/22/2006 14:31	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-002				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {4}	6.97	c	7.66	c	0	14708	0.0000	123.21	0.98U	25	
Aroclor 1242 {5}			7.90	c	0	16604	0.0000	148.72	0.98U	30	
Aroclor 1248					0	0	30.77	74.78	6.1J	15	15P
Aroclor 1248 {1}	6.97	c	7.66	c	0	14708	0.0000	85.06	1.6U	17	
Aroclor 1248 {2}	7.40	c	7.90	c	13940	16604	73.99	89.32	15	18	
Aroclor 1248 {3}	7.80		8.24		1442	0	9.57	0.0000	1.9J	1.6U	
Aroclor 1248 {4}	8.07		8.80		8807	24122	36.92	61.86	7.4J	12	
Aroclor 1248 {5}	8.25	c	8.89		727	14547	2.59	62.86	1.6U	13	
Aroclor 1254					0	0	96.23	28.58	20Ui	5.7Ui	5.7Ui
Aroclor 1254 {1}	8.25	c	9.14		727	22154	2.88	68.95	0.61Ui	0.61Ui	
Aroclor 1254 {2}	8.45		9.64		75175	7005	281.30	42.36	0.61Ui	0.61Ui	
Aroclor 1254 {3}			9.90		0	4099	0.0000	12.83	0.61Ui	0.61Ui	
Aroclor 1254 {4}	9.27		10.60		1722	2682	4.50	10.74	0.61Ui	0.61Ui	
Aroclor 1254 {5}			11.31	c	0	2299	0.0000	8.04	0.61Ui	0.61Ui	
Aroclor 1260					0	0	14.79	16.13	2.9J	3.2J	3.2J
Aroclor 1260 {1}	9.46	+0.08	10.24	0.00	4458	5564	19.01	20.87	3.8J	4.2J	
Aroclor 1260 {2}	9.98		10.70	-0.08	1402	2432	4.00	7.97	1.9U	1.9U	
Aroclor 1260 {3}	10.75		11.31	-0.07 c	3692	2299	10.98	6.42	2.2J	1.9U	
Aroclor 1260 {4}	11.54	+0.09			6095	0	28.00	0.0000	5.6J	1.9U	
Aroclor 1260 {5}	11.91	-0.02	12.09	+0.01	5352	6744	11.97	29.25	2.4J	5.8J	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.03 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F018.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F018.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R018.D
Inj Date : 21-NOV-2006 22:43
Sample Info: K0608915-002 | SCTIBC32a
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08915002.H | F=2 D=
Cal Date : 22-NOV-2006 09:28
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	315237	357824	64.3	61.6		100.00(R)
Aroclor 1016	6.037	6.147		1109		6.52	80.00- 120.00	100.00
	6.487	7.010	14104	4651	28.5	13.4	339.32- 508.98	95.03
	6.600	0.000					103.51- 155.27	0.00
	6.970	7.527		471		3.57	65.13- 97.69	42.47
	7.397	7.657	13940	14708	94.9	99.6	106.78- 160.17	93.93
		Average of Peak Amounts =			61.7	30.8		
Aroclor 1221	3.543	3.907	5507	1626	131	36.3	80.00- 120.00	100.00
	4.693	5.230	1412	10334	22.6	138	118.80- 178.20	25.64
	4.823	0.000	2442		57.5		80.58- 120.87	44.35
	4.997	5.460	3158	4115	21.1	24.9	284.44- 426.66	57.35
		Average of Peak Amounts =			58.0	66.4		
Aroclor 1232	4.997	5.460	3158	4115	25.5	29.6	80.00- 120.00	100.00
	5.713	6.473	2746		24.1		73.68- 110.52	86.97
	6.487	7.010	14104	4651	68.1	56.7	133.86- 200.79	446.63
	6.600	7.330		26140		388	38.81- 58.22	635.24
		Average of Peak Amounts =			39.2	158		
Aroclor 1242	5.713	6.147	2746	1109	14.0	12.4	80.00- 120.00	100.00(T)
	6.487	0.000	14104		37.4		153.67- 230.50	513.57(T)
	6.600	7.527		471		4.62	91.24- 136.86	42.47(T)
	6.970	7.657		14708		123	106.73- 160.09	1326.24(T)
	0.000	7.897		16604		149	99.82- 149.72	1497.20(T)
		Average of Peak Amounts =			25.7	72.2		
Aroclor 1248	6.970	7.657		14708		85.1	80.00- 120.00	100.00
	7.397	7.897	13940	16604	74.0	89.3	65.16- 97.74	18.23
	7.797	8.237	1442		9.57		52.13- 78.20	1.89
	8.070	8.797	8807	24122	36.9	61.9	82.49- 123.74	11.52
	8.247	8.887	727	14547	2.59	62.8	97.28- 145.92	0.95

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F018.D
Report Date: 22-Nov-2006 11:36

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
		Average of Peak Amounts =			30.8	74.8		
Aroclor 1254	8.247	9.140	727	22154	2.89	68.9	80.00- 120.00	100.00(T)
	8.450	9.640	75175	7005	281	42.4	84.78- 127.17	10329.20(T)
	0.000	9.903		4099		12.8	79.57- 119.36	18.50(T)
	9.267	10.600	1722	2682	4.50	10.7	121.33- 182.00	236.60(T)
	0.000	11.307		2299		8.03	71.24- 106.86	10.38(T)
		Average of Peak Amounts =			96.1	28.6		
Aroclor 1260	9.460	10.243	4458	5564	19.0	20.9	80.00- 120.00	100.00
	9.980	10.697	1402	2432	4.00	7.97	119.45- 179.17	31.45
	10.750	11.307	3692	2299	11.0	6.42	122.03- 183.05	82.82
	11.543	0.000	6095		28.0		77.12- 115.68	136.72
	11.913	12.090	5352	6744	12.0	29.2	160.61- 240.92	120.05
		Average of Peak Amounts =			14.8	16.1		
Aroclor 1262	10.750	0.000	3692		10.3		80.00- 120.00	100.00
	11.543	12.090	6095	6744	22.6	28.5	60.24- 90.36	165.09
	11.913	12.877	5352	9352	9.90	18.2	120.56- 180.84	144.96
	12.657	13.663	2815	7307	12.3	19.8	50.99- 76.48	76.25
	12.903	13.910	2585	16593	6.25	60.3	92.25- 138.38	70.02
		Average of Peak Amounts =			12.3	31.7		
Aroclor 1268	12.903	13.910	2585	16593	3.87	25.6	80.00- 120.00	100.00(T)
	13.583	14.677	3343	389	5.77	0.679	69.37- 104.06	129.32(T)
	13.810	0.000	2684		18.5		17.39- 26.08	103.83(T)
	0.000	0.000					30.11- 45.16	0.00(T)
	15.590	17.043	482	1064	0.276	0.612	208.69- 313.04	18.65(T)
		Average of Peak Amounts =			7.10	8.96		
Decachlorobiphenyl	16.703	18.183	326732	357874	64.9	70.6		100.00(R)
2,2',4,4',5,5'-HBB	19.090	0.000	6106	0	0.000	0.000		100.00

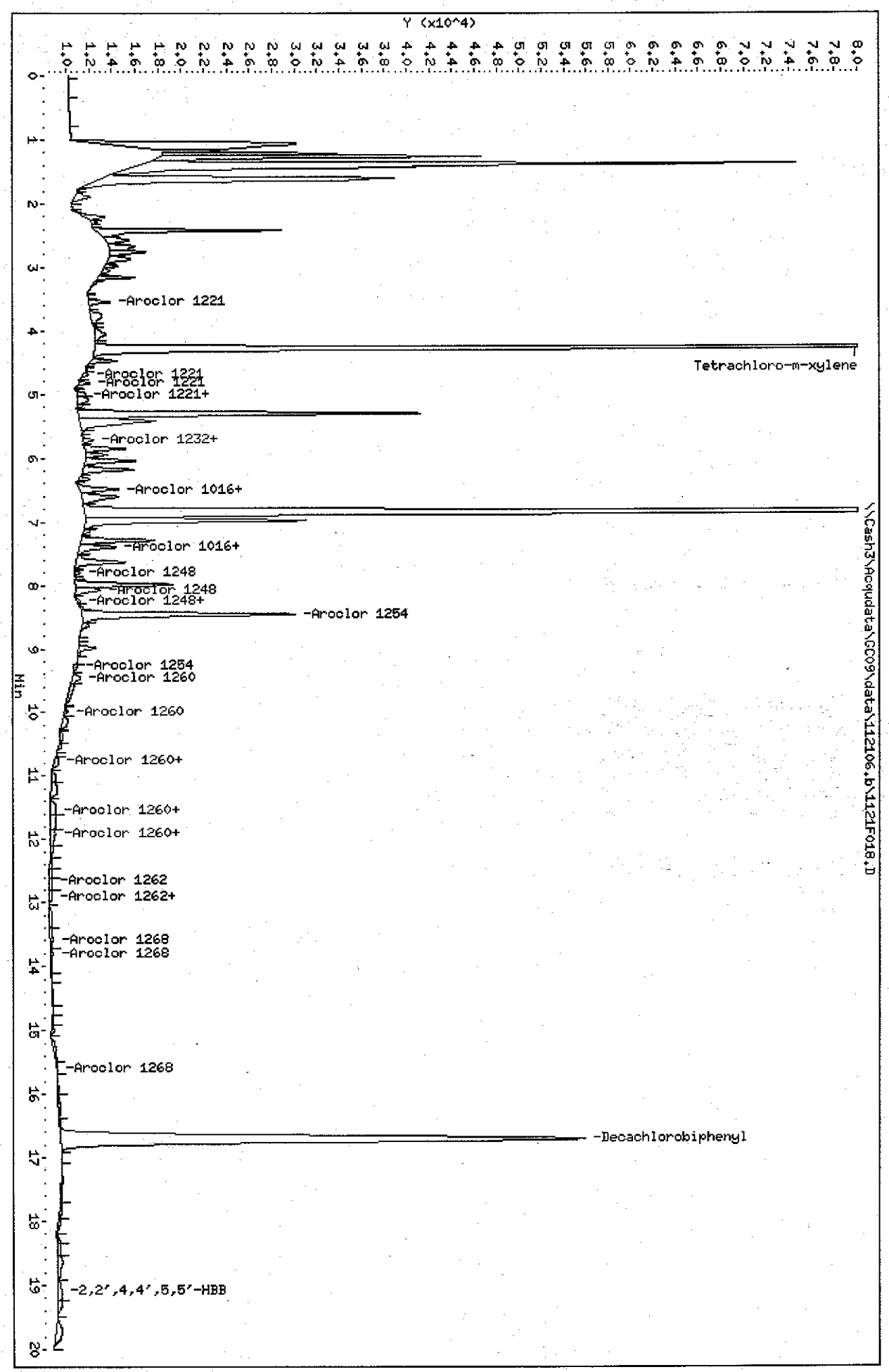
QC Flag Legend

T - Target compound detected outside RT window.
R - Spike/Surrogate failed recovery limits.

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F018.D
Date : 21-NOV-2006 22:43
Client ID:
Sample Info: K0608915-002 I SCTIBC32a

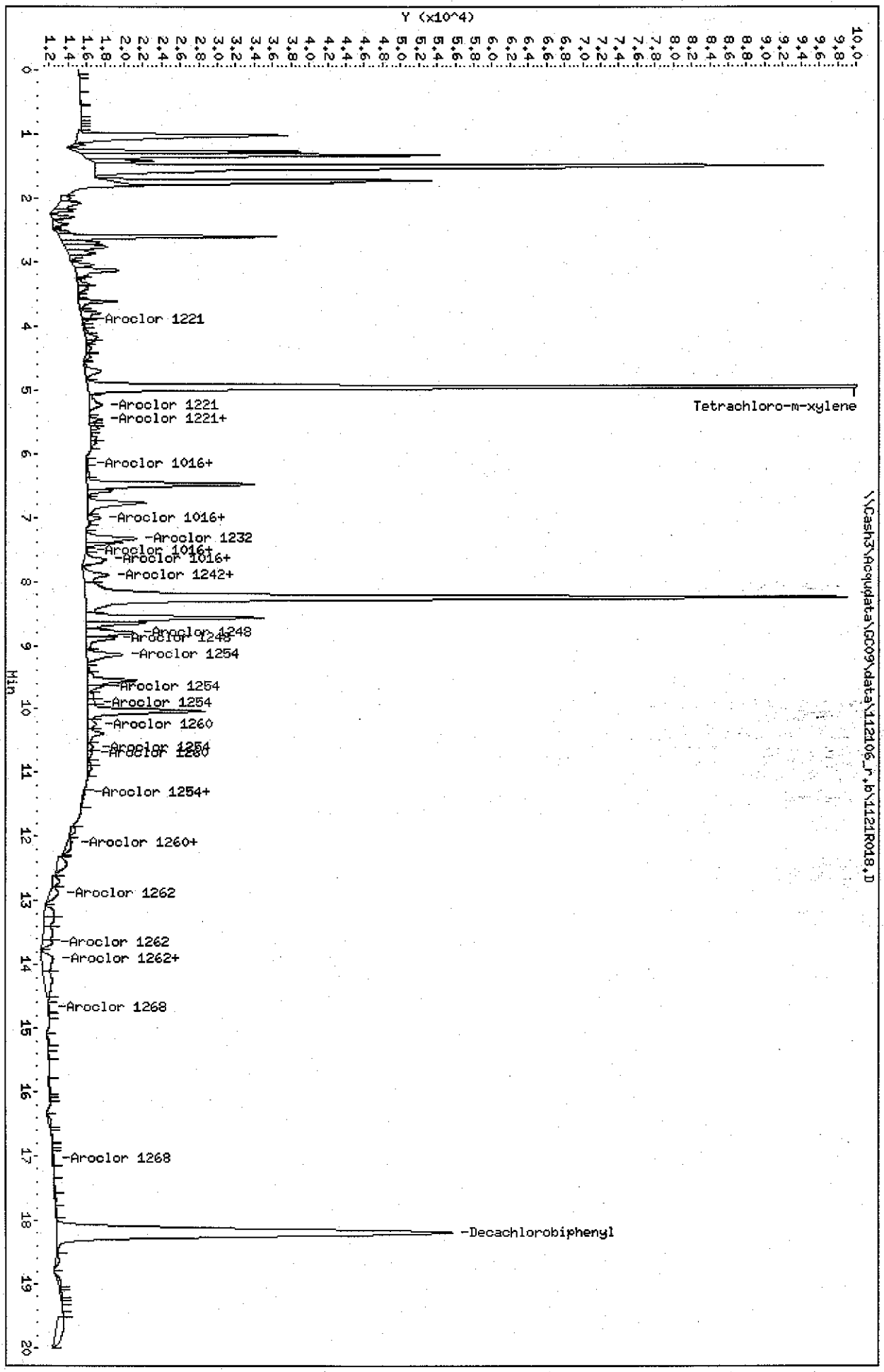
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

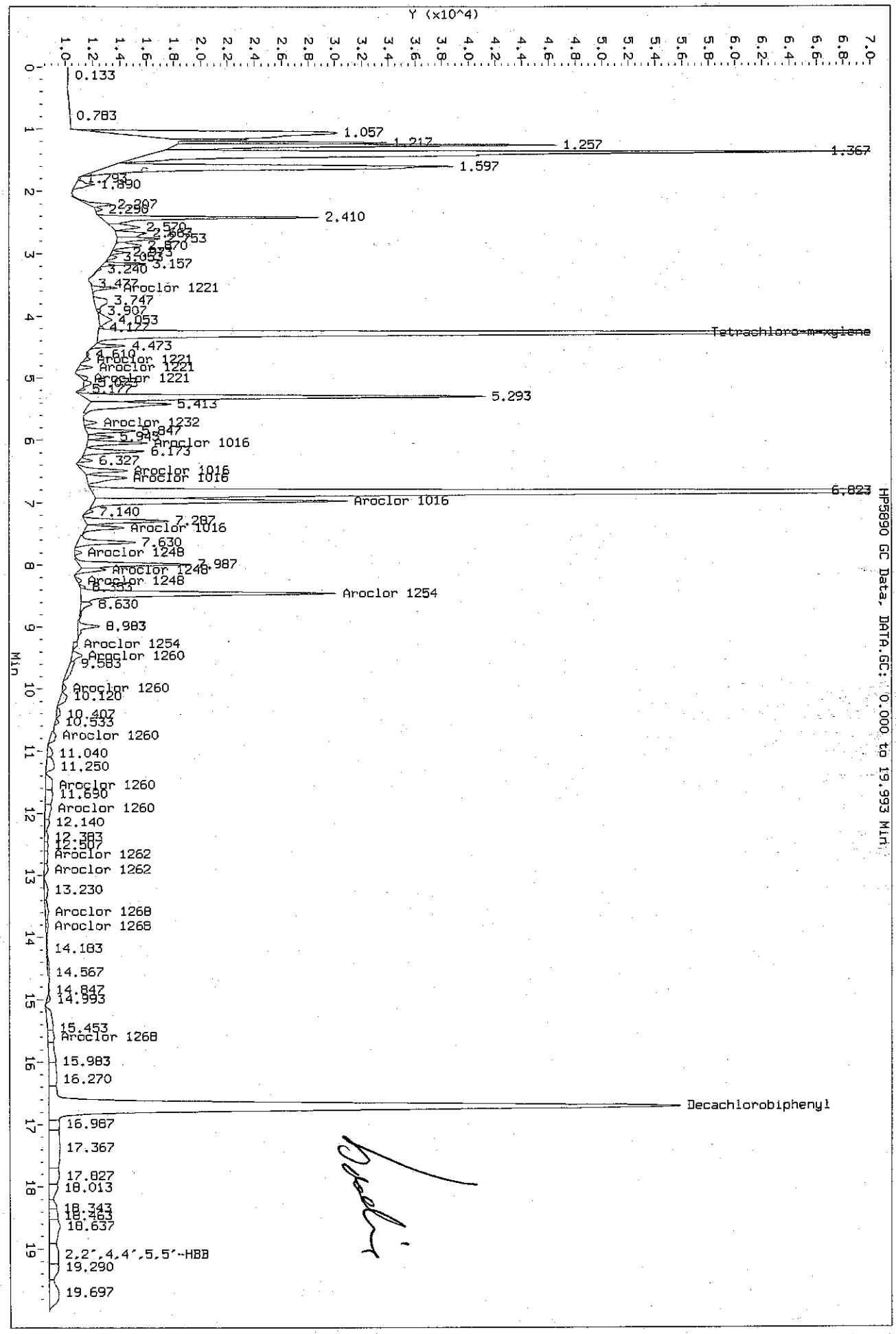


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R018.D
Date : 21-NOV-2006 22:43
Client ID:
Sample Info: K0608915-002 I SCTIBC32a
Column phase: DB-XLB

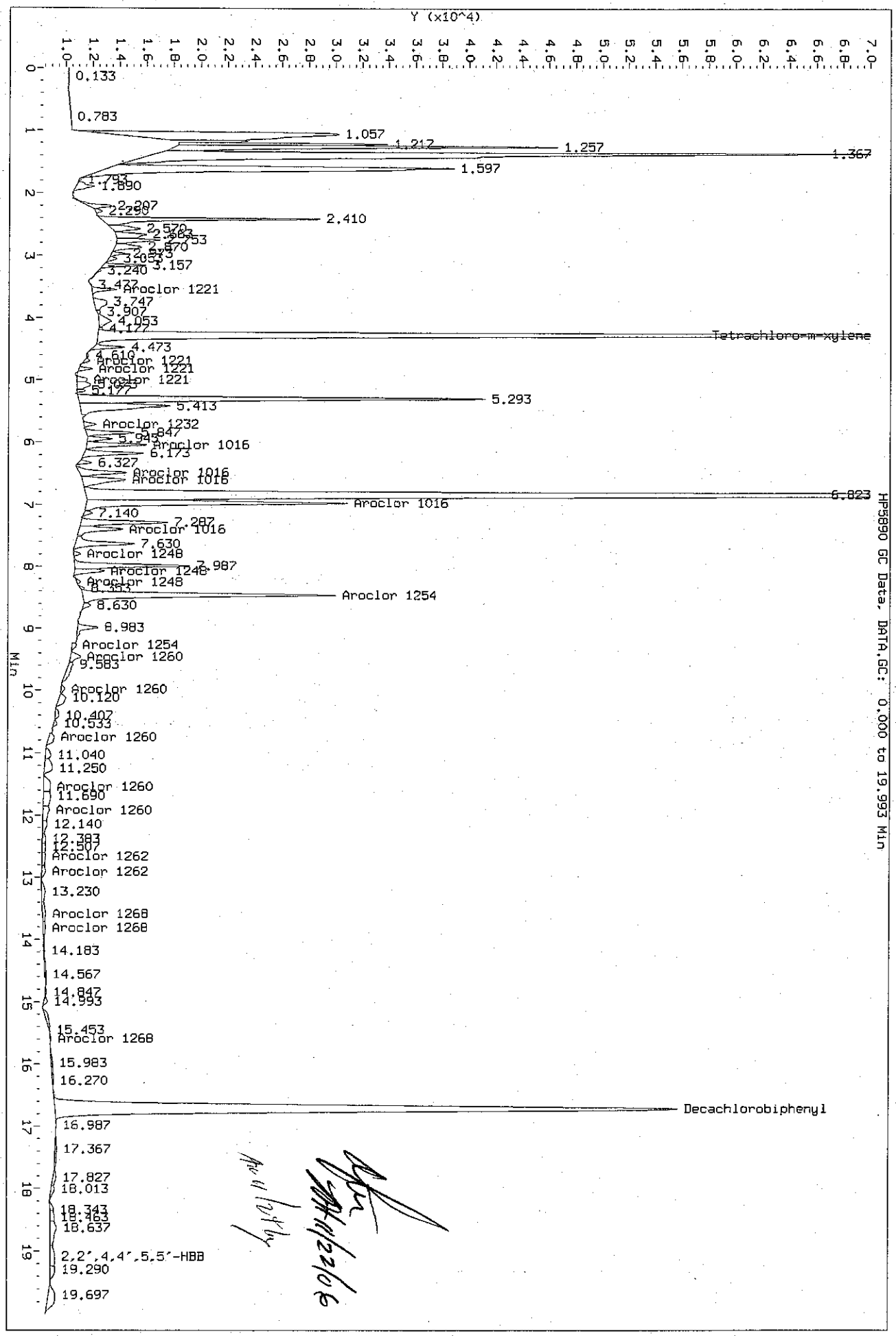
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F018.D
Injection Date: 21-NOV-2006 22:43
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F018.D
Injection Date: 21-NOV-2006 22:43
Instrument: GC09.i
Client Sample ID:



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/04/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC34	**Units:**	ug/Kg
Lab Code:	K0608915-005	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	Ui	20	7.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	Ui	10	10	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	Ui	10	2.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	Ui	10	4.2	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	Ui	10	0.85	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	Ui	10	2.3	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	72	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F021.D
Lab ID: K0608915-005
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:56
Date Quantitated: 11/22/2006 14:32
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {2}	6.487	NA	NA	NCA
	Aroclor 1016 {3}	6.61	NA	NA	
	Aroclor 1016 {4}	6.97	NA	NA	
	Aroclor 1016 {5}	7.397	NA	NA	
	Aroclor 1221 {4}	4.987	NA	NA	
	Aroclor 1232 {1}	4.987	NA	NA	
	Aroclor 1232 {2}	5.64	NA	NA	
	Aroclor 1232 {3}	6.487	NA	NA	
	Aroclor 1232 {4}	6.61	NA	NA	
	Aroclor 1242 {1}	5.64	NA	NA	
	Aroclor 1242 {2}	6.487	NA	NA	
	Aroclor 1242 {3}	6.61	NA	NA	
	Aroclor 1242 {4}	6.97	NA	NA	

Primary Review: 11/27/06

Secondary Review: 11/27/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F021.D
Lab ID: K0608915-005
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:56
Date Quantitated: 11/22/2006 14:32
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
	Aroclor 1248 {1}	6.97	NA	NA	
	Aroclor 1248 {2}	7.397	NA	NA	
	Aroclor 1248 {5}	8.24	NA	NA	
	Aroclor 1254 {1}	8.24	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R021.D
Lab ID: K0608915-005
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:56
Date Quantitated: 11/22/2006 14:33
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {1}	6.113	NA	NA	MRL+
	Aroclor 1016 {2}	7.003	NA	NA	
	Aroclor 1016 {4}	7.503	NA	NA	
	Aroclor 1016 {5}	7.657	NA	NA	
	Aroclor 1221 {4}	5.463	NA	NA	
	Aroclor 1232 {1}	5.463	NA	NA	
	Aroclor 1232 {3}	7.003	NA	NA	
	Aroclor 1242 {1}	6.113	NA	NA	
	Aroclor 1242 {3}	7.503	NA	NA	
	Aroclor 1242 {4}	7.657	NA	NA	
	Aroclor 1242 {5}	7.897	NA	NA	
	Aroclor 1248 {1}	7.657	NA	NA	
	Aroclor 1248 {2}	7.897	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/28/06

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**	10/04/2006	**Receive Date:**	10/14/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	K0608915
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548426	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ2817
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112106.B\1121F021.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D			**Vial:**	16
Acqu Date:	11/21/2006 23:56	**Quant Date:**	11/22/2006 14:32	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-005				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.71	+0.00	18.18		331619m	362679	65.90	71.55			72OK
						%Recovery =	66OK	72OK	Limits =	19-136	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016					0	0	46.97	10.00	9.4J	2.4U	2.4U
Aroclor 1016 {1}	6.04	-0.05	6.11	+0.03 c	6955	451m	67.52	2.65	13	2.4U	
Aroclor 1016 {2}	6.49	+0.04 c	7.00	-0.06 c	8066	7804m	16.29	22.40	3.3J	4.5J	
Aroclor 1016 {3}	6.61	-0.01 c			0	0m	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {4}	6.97	+0.04 c	7.50	-0.02 c	0	652m	0.0000	4.95	2.4U	2.4U	
Aroclor 1016 {5}	7.40	-0.04 c	7.66	+0.03 c	8391	0m	57.10	0.0000	11	2.4U	
Aroclor 1221					0	0	50.53	36.94	10J	7.4Ji	**10J**
Aroclor 1221 {1}	3.54		3.91		3738	1022m	88.68	22.80	18J	4.6J	RPD
Aroclor 1221 {2}	4.70		5.23		1605	4959m	25.64	66.20	5.1J	13J	
Aroclor 1221 {3}	4.82				3221	0m	75.87	0.0000	15J	1.6U	
Aroclor 1221 {4}	4.99	c	5.46	c	1787	3609m	11.92	21.84	2.4J	4.4J	
Aroclor 1232					0	0	18.07	103.25	3.7Ui	21Ui	3.7Ui
Aroclor 1232 {1}	4.99	c	5.46	c	1787	3609m	14.43	25.98	1.3Ui	1.3Ui	
Aroclor 1232 {2}	5.64	c	6.47		97	16902m	0.8500	188.61	1.3Ui	1.3Ui	
Aroclor 1232 {3}	6.49	c	7.00	c	8066	7804m	38.92	95.17	1.3Ui	1.3Ui	
Aroclor 1232 {4}	6.61	c	7.32		0	0m	0.0000	0.0000	1.3Ui	1.3Ui	
Aroclor 1242					0	0	10.93	17.03	2.2Ji	3.4J	**3.4JP**
Aroclor 1242 {1}	5.64	c	6.11	c	97	451m	0.4940	5.04	0.98U	1.0J	
Aroclor 1242 {2}	6.49	c			8066	0m	21.37	0.0000	4.3J	0.98U	
Aroclor 1242 {3}	6.61	c	7.50	c	0	652m	0.0000	6.39	0.98U	1.3J	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F021.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D			**Vial:**	16
Acqu Date:	11/21/2006 23:56	**Quant Date:**	11/22/2006 14:32	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-005				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {4}	6.97	c	7.66	c	0	0m	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {5}			7.90	c	0	4428m	0.0000	39.66	0.98U	7.9J	
Aroclor 1248					0	0	20.62	31.43	4.1J	6.3J	**6.3**JP
Aroclor 1248 {1}	6.97	c	7.66	c	0	0m	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {2}	7.40	c	7.90	c	8391	4428m	44.54	23.82	8.9J	4.8J	
Aroclor 1248 {3}	7.79		8.23		916	0m	6.08	0.0000	1.6U	1.6U	
Aroclor 1248 {4}	8.07		8.80		4432	14023m	18.58	35.96	3.7J	7.2J	
Aroclor 1248 {5}	8.24	c	8.89		3732	7988m	13.27	34.52	2.6J	6.9J	
Aroclor 1254					0	0	49.37	4.25	9.9Ui	0.85Ui	9.9Ui
Aroclor 1254 {1}	8.24	c	9.15		3732	0m	14.80	0.0000	0.61Ui	0.61Ui	
Aroclor 1254 {2}	8.45		9.78		31929	1103m	119.48	6.67	0.61Ui	0.61Ui	
Aroclor 1254 {3}			9.89		0	794m	0.0000	2.48	0.61Ui	0.61Ui	
Aroclor 1254 {4}	9.28		10.59		5287	900m	13.82	3.60	0.61Ui	0.61Ui	
Aroclor 1254 {5}					0	0m	0.0000	0.0000	0.61Ui	0.61Ui	
Aroclor 1260					0	0	17.08	11.41	3.4J	2.3J	**3.4J**
Aroclor 1260 {1}	9.47	+0.09	10.23	-0.01	8006	3536m	34.15	13.27	6.8J	2.6J	
Aroclor 1260 {2}	9.97	-0.01	10.69	-0.09	1449	1002m	4.13	3.29	1.9U	1.9U	
Aroclor 1260 {3}	10.75	+0.00			3513	0m	10.45	0.0000	2.1J	1.9U	
Aroclor 1260 {4}	11.55	+0.10	11.55	-0.02	5918	1293m	27.19	7.17	5.4J	1.9U	
Aroclor 1260 {5}	11.90	-0.03	12.10	+0.02	4237	5055m	9.47	21.93	1.9U	4.4J	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.02 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F021.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F021.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D
Inj Date : 21-NOV-2006 23:56
Sample Info: K0608915-005 | SCTIBC34
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08915005.H | F=2 D=
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	295823	344755	60.4	59.4		100.00(R)
Aroclor 1016	6.037	6.113	6955	451	67.5	2.65	80.00- 120.00	100.00
	6.487	7.003	8066	7804	16.3	22.4	339.32- 508.98	115.97
	6.610	0.000					103.51- 155.27	0.00
	6.970	7.503		652		4.95	65.13- 97.69	144.64
	7.397	7.657	8391		57.1		106.78- 160.17	120.65
		Average of Peak Amounts =			47.0	10.0		
Aroclor 1221	3.543	3.910	3738	1022	88.7	22.8	80.00- 120.00	100.00
	4.697	5.230	1605	4959	25.6	66.2	118.80- 178.20	42.94
	4.823	0.000	3221		75.9		80.58- 120.87	86.17
	4.987	5.463	1787	3609	11.9	21.8	284.44- 426.66	47.81
		Average of Peak Amounts =			50.5	36.9		
Aroclor 1232	4.987	5.463	1787	3609	14.4	26.0	80.00- 120.00	100.00
	5.640	6.473	97	16902	0.850	189	73.68- 110.52	5.43
	6.487	7.003	8066	7804	38.9	95.2	133.86- 200.79	451.37
	6.610	7.320					38.81- 58.22	0.00
		Average of Peak Amounts =			18.0	103		
Aroclor 1242	5.640	6.113	97	451	0.494	5.04	80.00- 120.00	100.00(T)
	6.487	0.000	8066		21.4		153.67- 230.50	8315.46(T)
	6.610	7.503		652		6.39	91.24- 136.86	144.64(T)
	6.970	7.657					106.73- 160.09	0.00(T)
	0.000	7.897		4428		39.7	99.82- 149.72	981.47(T)
		Average of Peak Amounts =			10.9	17.0		
Aroclor 1248	6.970	7.657					80.00- 120.00	0.00
	7.397	7.897	8391	4428	44.5	23.8	65.16- 97.74	10.30
	7.793	8.233	916		6.08		52.13- 78.20	1.12
	8.073	8.797	4432	14023	18.6	36.0	82.49- 123.74	5.44
	8.240	8.887	3732	7988	13.3	34.5	97.28- 145.92	4.58

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F021.D
Report Date: 22-Nov-2006 11:36

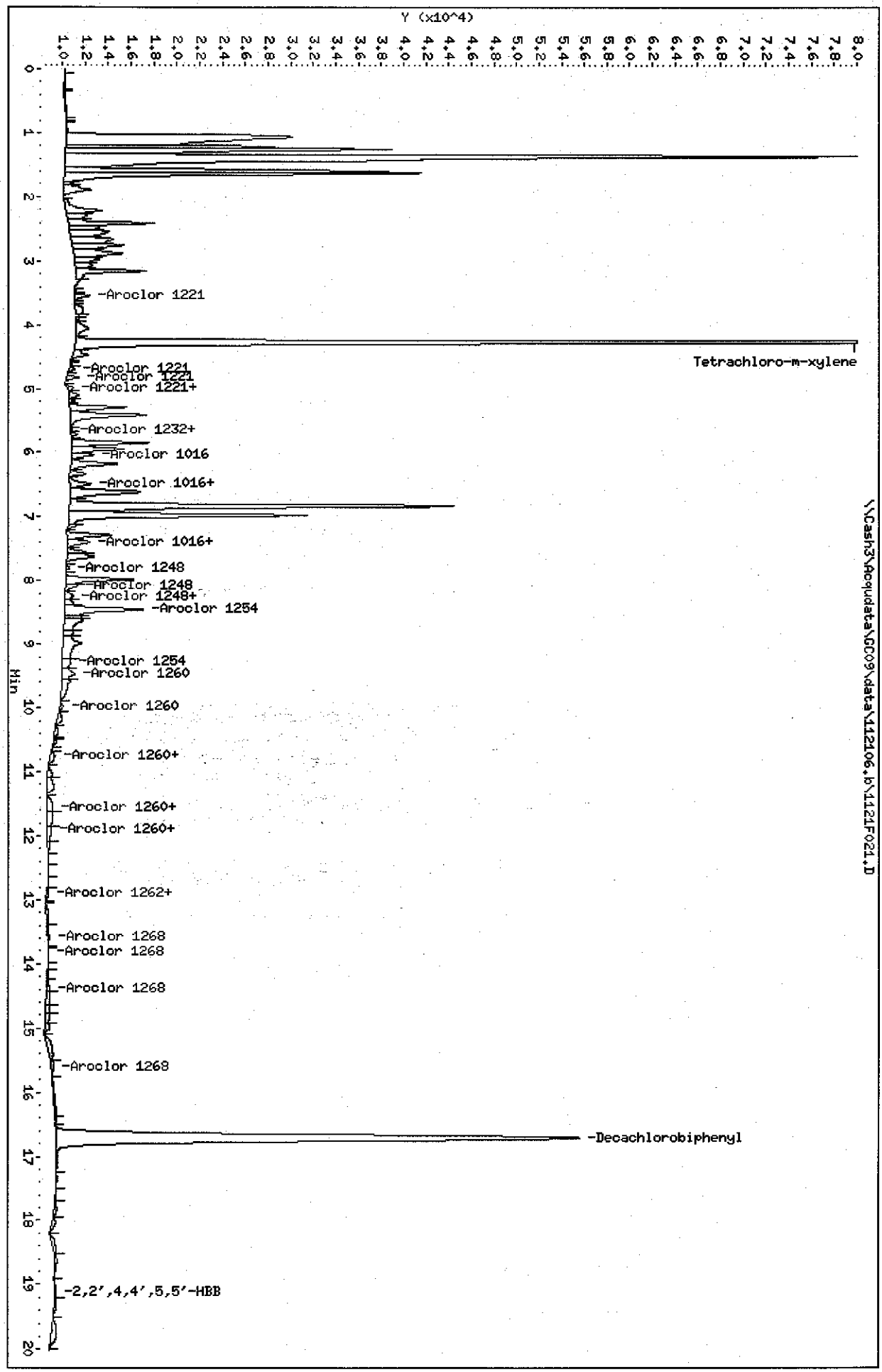
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
		Average of Peak Amounts =			20.6	31.4		
Aroclor 1254	8.240	9.147	3732		14.8		80.00- 120.00	100.00(T)
	8.450	9.777	31929	1103	119	6.67	84.78- 127.17	855.55(T)
	0.000	9.890		794		2.48	79.57- 119.36	7.37(T)
	9.280	10.590	5287	900	13.8	3.60	121.33- 182.00	141.67(T)
	0.000	0.000					71.24- 106.86	0.00(T)
		Average of Peak Amounts =			49.2	4.25		
Aroclor 1260	9.467	10.233	8006	3536	34.1	13.3	80.00- 120.00	100.00
	9.973	10.690	1449	1002	4.13	3.29	119.45- 179.17	18.10
	10.753	0.000	3513		10.4		122.03- 183.05	43.88
	11.550	11.547	5918	1293	27.2	7.17	77.12- 115.68	73.92
	11.903	12.097	4237	5055	9.47	21.9	160.61- 240.92	52.92
		Average of Peak Amounts =			17.1	11.4		
Aroclor 1262	10.753	11.547	3513	1293	9.79	4.22	80.00- 120.00	100.00(T)
	11.550	12.097	5918	5055	21.9	21.4	60.24- 90.36	168.46(T)
	11.903	12.880	4237	9547	7.84	18.6	120.56- 180.84	120.61(T)
	0.000	13.663		8172		22.2	96.23- 144.35	631.92(T)
	12.900	13.907	1809	18729	4.37	68.0	92.25- 138.38	51.49(T)
		Average of Peak Amounts =			11.0	26.9		
Aroclor 1268	12.900	13.907	1809	18729	2.71	28.9	80.00- 120.00	100.00(M)
	13.580	14.683	2835	3080	4.89	5.37	69.37- 104.06	156.72(M)
	13.820	0.000	794		5.46		17.39- 26.08	43.89(M)
	14.390	15.663	1418	201	5.81	0.824	29.21- 43.82	78.39(M)
	15.600	17.037	1791	4643	1.03	2.67	208.69- 313.04	99.04(M)
		Average of Peak Amounts =			3.98	9.44		
Decachlorobiphenyl	16.707	18.183	331619	362679	65.9	71.6		100.00(RM)
2,2',4,4',5,5'-HBB	19.190	0.000	2194	0	0.000	0.000		100.00(M)

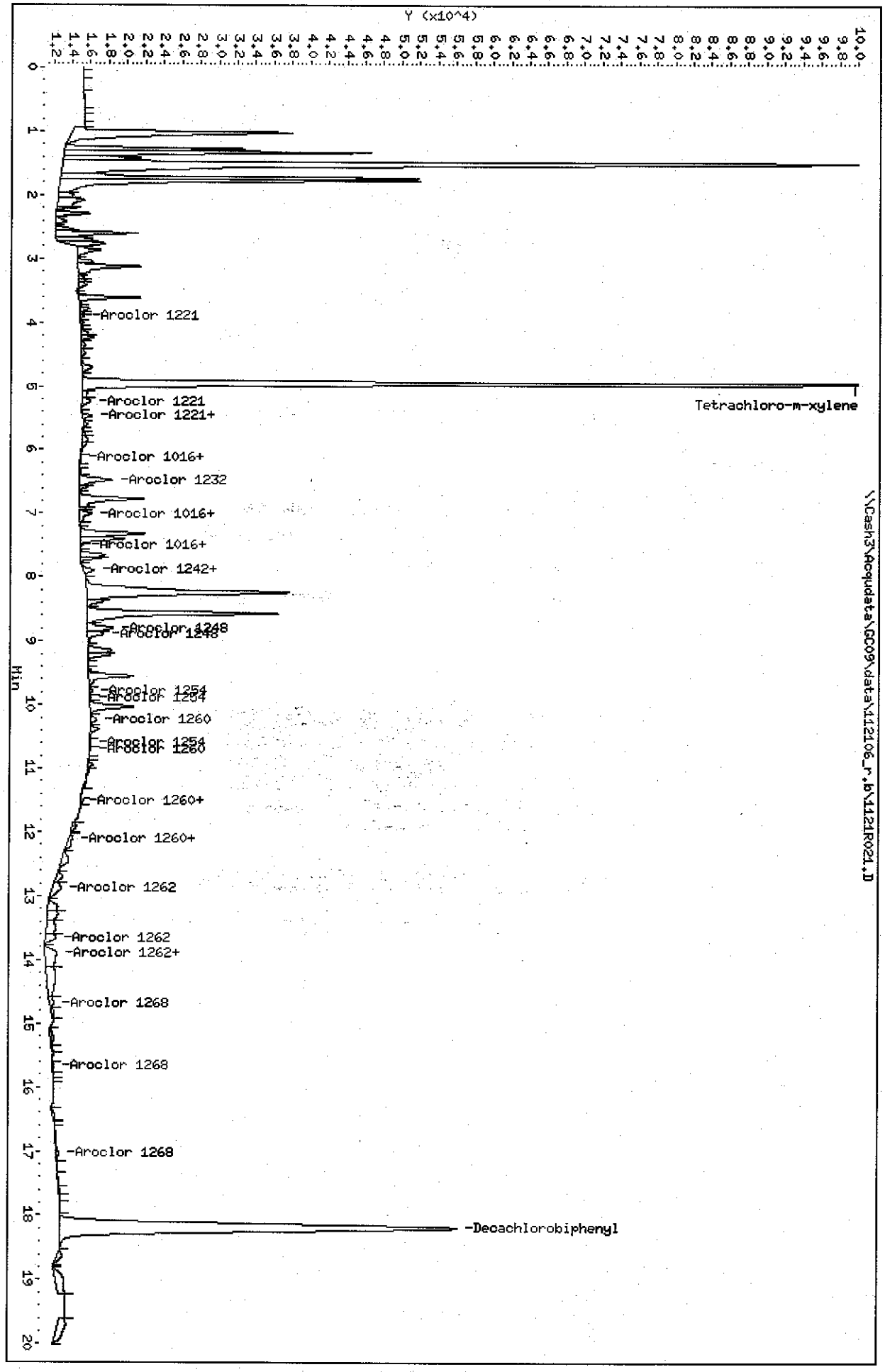
QC Flag Legend

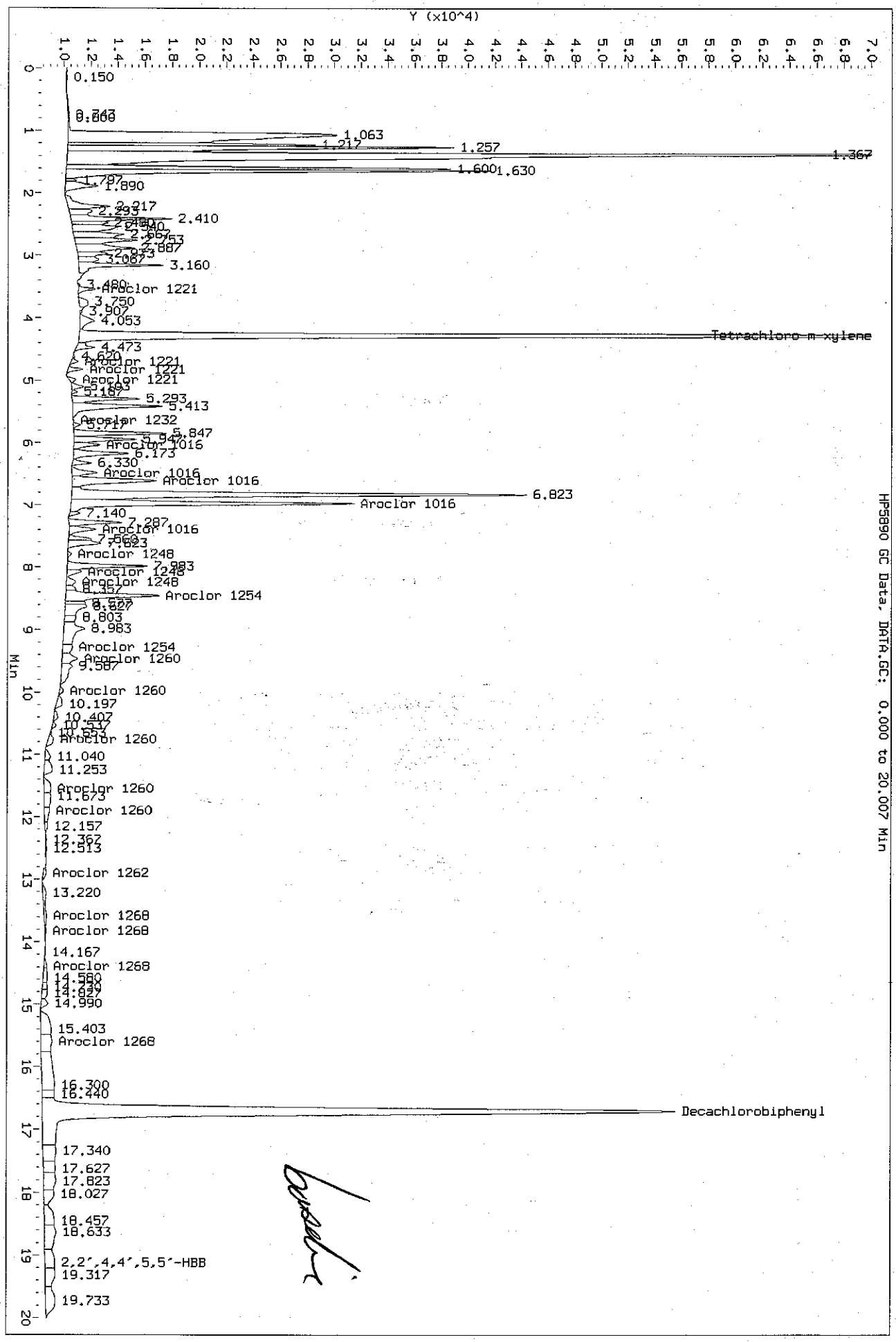
T - Target compound detected outside RT window.
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F021.D
Date : 21-NOV-2006 23:56
Client ID:
Sample Info: K0608915-005 | SCTIBC34
Column phase: DB-35MS

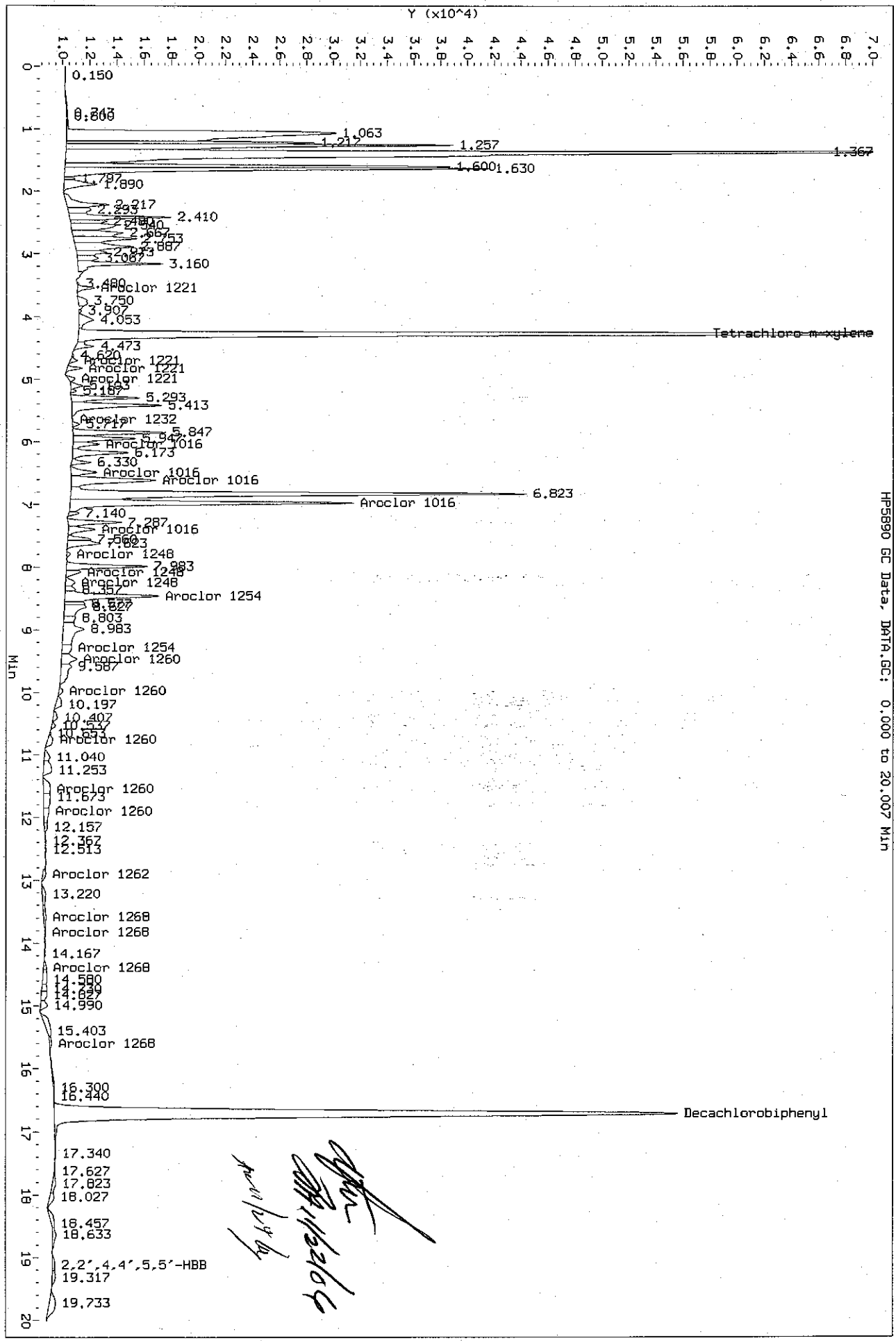
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



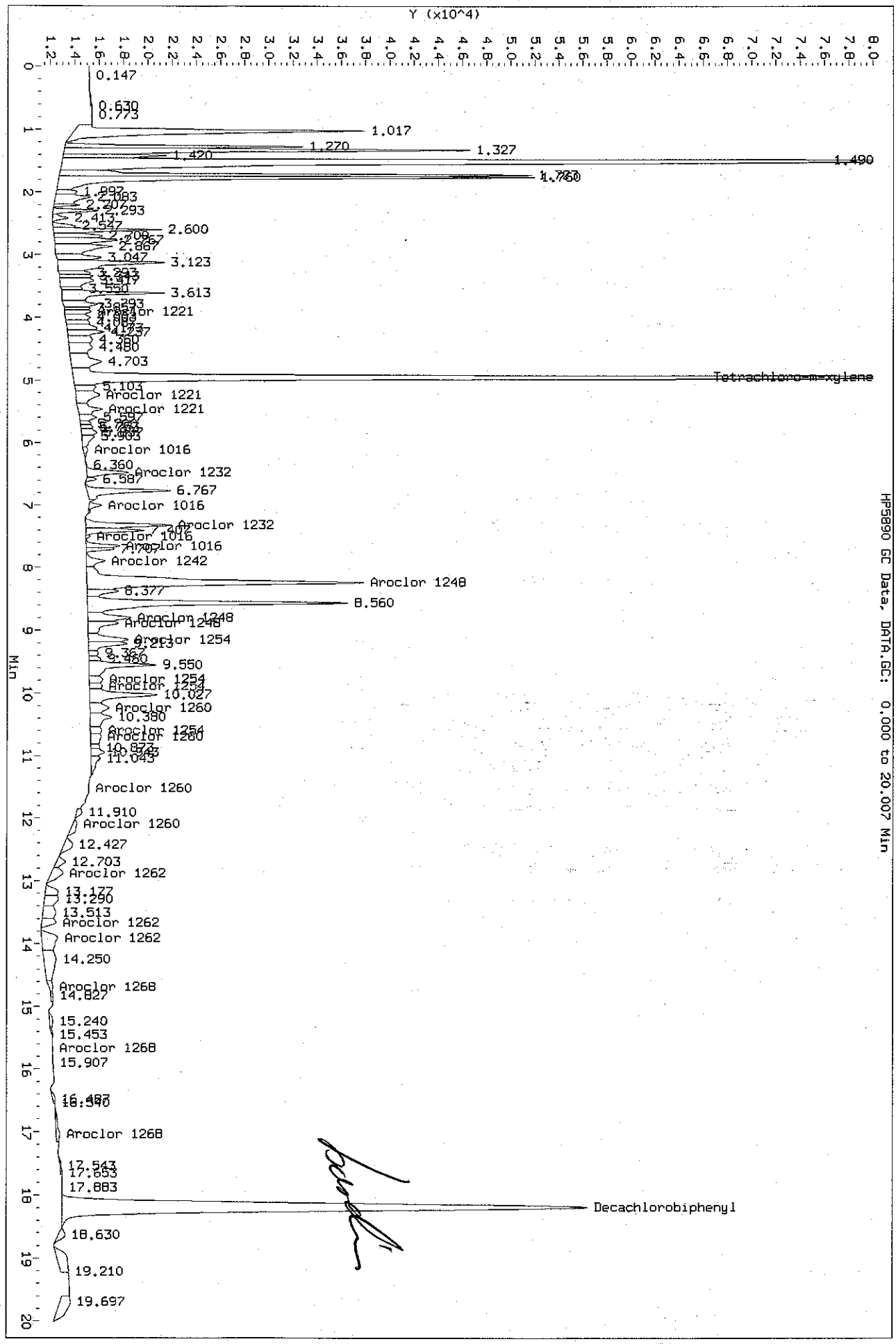

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D
Date : 21-NOV-2006 23:56
Client ID:
Sample Info: K0608915-005 | SCTIBC34
Column phase: DB-XLB
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
\\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1221
Aroclor 1221
Aroclor 1221+
Aroclor 1016+
Aroclor 1232
Aroclor 1016+
Aroclor 1016+
Aroclor 1242+
Aroclor 1248
Aroclor 1248
Aroclor 1254
Aroclor 1254
Aroclor 1260
Aroclor 1254
Aroclor 1260
Aroclor 1260+
Aroclor 1260+
Aroclor 1262
Aroclor 1262
Aroclor 1262+
Aroclor 1268
Aroclor 1268
Aroclor 1268
Decachlorobiphenyl

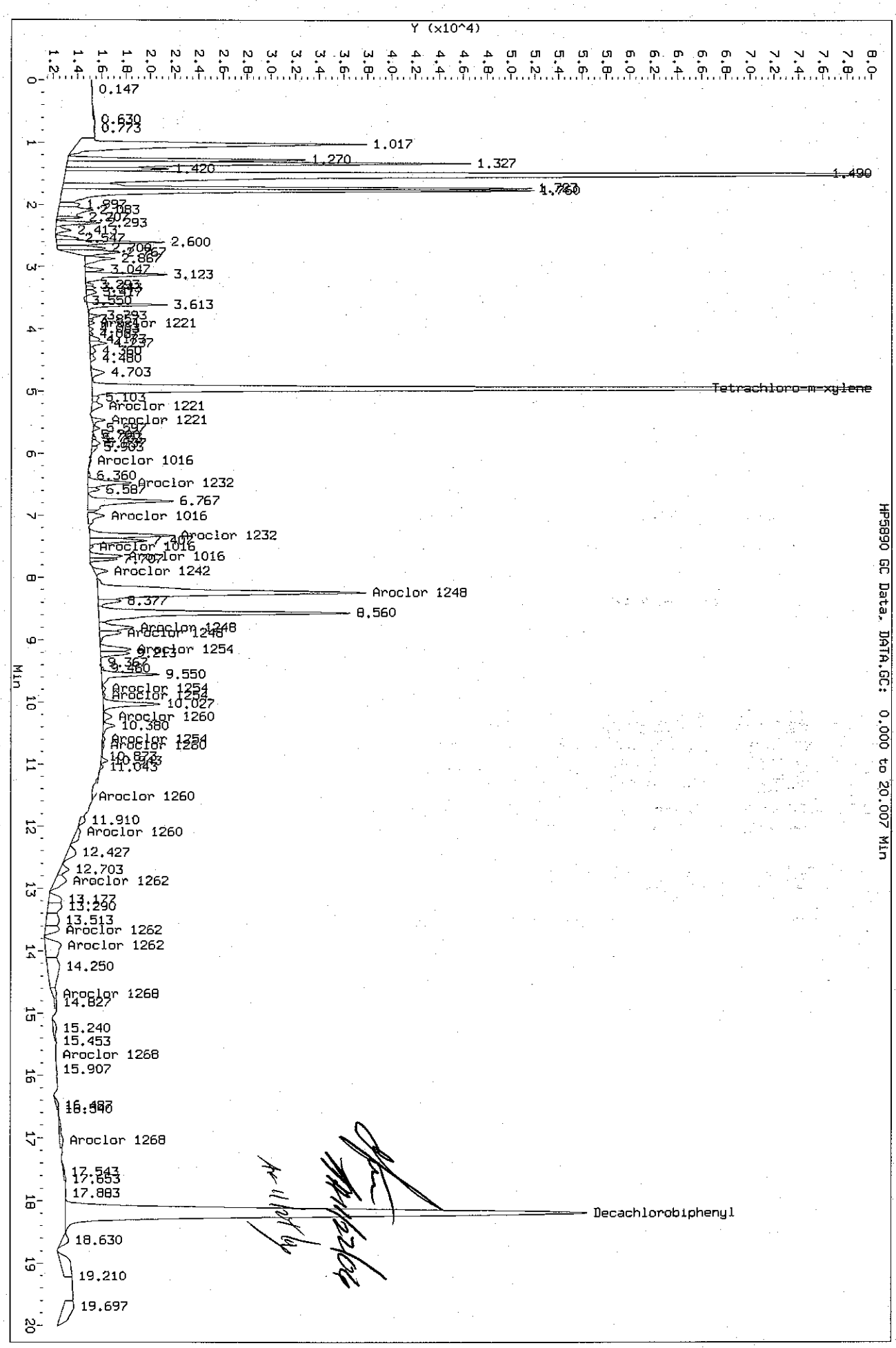

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F021.D
Injection Date: 21-NOV-2006 23:56
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.007 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Decachlorobiphenyl
Aroclor 1221
Aroclor 1232
Aroclor 1016
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
2,2',4,4',5,5'-HBB

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F021.D
Injection Date: 21-NOV-2006 23:56
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC; 0.000 to 20.007 Min


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D
Injection Date: 21-NOV-2006 23:56
Instrument: GC09:1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.007 Min
Y (x10^4)
Min
0.147
0.630
0.773
1.017
1.270
1.327
1.420
1.490
1.760
2.600
3.047
3.123
3.613
Aroclor 1221
4.703
Tetrachloro-m-xylene
5.103
Aroclor 1221
Aroclor 1221
Aroclor 1016
6.360
Aroclor 1232
6.587
6.767
Aroclor 1016
Aroclor 1232
Aroclor 1016
Aroclor 1016
Aroclor 1242
Aroclor 1248
8.377
8.560
Aroclor 1248
Aroclor 1254
9.550
Aroclor 1254
10.027
Aroclor 1260
10.380
Aroclor 1260
11.043
Aroclor 1260
11.910
Aroclor 1260
12.427
12.703
Aroclor 1262
13.513
Aroclor 1262
Aroclor 1262
14.250
Aroclor 1268
14.827
15.240
15.453
Aroclor 1268
15.907
Aroclor 1268
17.883
Decachlorobiphenyl
18.630
19.210
19.697


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R021.D
Injection Date: 21-NOV-2006 23:56
Instrument: GC09:i
Client Sample ID:
HP5890 GC Data. DATA.GC: 0.000 to 20.007 Min
Y (x10^4)
Min
0.147
0.630
0.773
1.017
1.270
1.327
1.420
1.490
1.760
1.897
2.083
2.207
2.293
2.413
2.547
2.600
2.707
2.867
3.047
3.123
3.293
3.417
3.550
3.613
3.293
Aroclor 1221
4.083
4.173
4.360
4.480
4.703
Tetrachloro-m-xylene
5.103
Aroclor 1221
Aroclor 1221
5.503
Aroclor 1016
6.360
Aroclor 1232
6.587
6.767
Aroclor 1016
Aroclor 1232
Aroclor 1016
Aroclor 1016
Aroclor 1242
Aroclor 1248
8.377
8.560
Aroclor 1248
Aroclor 1248
Aroclor 1254
9.362
9.460
9.550
Aroclor 1254
Aroclor 1254
10.027
Aroclor 1260
10.380
Aroclor 1254
Aroclor 1260
10.873
11.043
Aroclor 1260
11.910
Aroclor 1260
12.427
12.703
Aroclor 1262
13.177
13.290
13.513
Aroclor 1262
Aroclor 1262
14.250
Aroclor 1268
14.827
15.240
15.453
Aroclor 1268
15.907
16.487
16.940
Aroclor 1268
17.543
17.653
17.883
Decachlorobiphenyl
18.630
19.210
19.697

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/06/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC36	**Units:**	ug/Kg
Lab Code:	K0608915-007	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	Ui	10	6.8	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1221	ND	Ui	20	11	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1232	ND	Ui	10	10	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1242	ND	Ui	10	4.7	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1248	ND	Ui	10	6.0	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/22/06	KWG0619267	
Aroclor 1260	ND	Ui	10	2.5	1	11/10/06	11/22/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	75	19-136	11/22/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F022.D
Lab ID: K0608915-007
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/22/2006 00:21
Date Quantitated: 11/22/2006 14:32
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {2}	6.487	NA	NA	MRL
	Aroclor 1016 {3}	6.61	NA	NA	
	Aroclor 1016 {4}	6.97	NA	NA	
	Aroclor 1016 {5}	7.397	NA	NA	
	Aroclor 1221 {4}	4.99	NA	NA	
	Aroclor 1232 {1}	4.99	NA	NA	
	Aroclor 1232 {2}	5.647	NA	NA	
	Aroclor 1232 {3}	6.487	NA	NA	
	Aroclor 1232 {4}	6.61	NA	NA	
	Aroclor 1242 {1}	5.647	NA	NA	
	Aroclor 1242 {2}	6.487	NA	NA	
	Aroclor 1242 {3}	6.61	NA	NA	
	Aroclor 1242 {4}	6.97	NA	NA	

Primary Review: [signature]

Secondary Review: [signature] 11/24/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F022.D
Lab ID: K0608915-007
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/22/2006 00:21
Date Quantitated: 11/22/2006 14:32
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
	Aroclor 1248 {1}	6.97	NA	NA	MRL-4
	Aroclor 1248 {2}	7.397	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/24/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R022.D
Lab ID: K0608915-007
RunType: SMPL
Matrix: ANIMAL TISSUE

Date Acquired: 11/22/2006 00:21
Date Quantitated: 11/22/2006 14:33
Batch ID: KWG0620056
Analysis Method: 8082
ListJoinID: LJ2817

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA		x
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Analyte Co-elution	Aroclor 1016 {1}	6.113	NA	NA	MLA
	Aroclor 1016 {2}	7.1	NA	NA	
	Aroclor 1016 {5}	7.657	NA	NA	
	Aroclor 1221 {4}	5.463	NA	NA	
	Aroclor 1232 {1}	5.463	NA	NA	
	Aroclor 1242 {1}	6.113	NA	NA	
	Aroclor 1242 {2}	7.1	NA	NA	
	Aroclor 1242 {4}	7.657	NA	NA	
	Aroclor 1242 {5}	7.897	NA	NA	
	Aroclor 1248 {1}	7.657	NA	NA	
	Aroclor 1248 {2}	7.897	NA	NA	
	Aroclor 1254 {5}	11.287	NA	NA	
	Aroclor 1260 {3}	11.287	NA	NA	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Printed: 11/22/2006 14:36:35
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**	10/06/2006	**Receive Date:**	10/14/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	K0608915
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548427	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ2817
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\112106.B\1121F022.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R022.D			**Vial:**	17
Acqu Date:	11/22/2006 00:21	**Quant Date:**	11/22/2006 14:32	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-007				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.70	18.18 $^{0.00}$	355797	381945	70.71	75.35			75OK
			%Recovery =		71OK	75OK	**Limits =**	19-136	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	92.12	33.54	18	6.7Ji	18P
Aroclor 1016 {1}	6.04 $^{-0.05}$	6.11 $^{+0.03}$c	14579	2m	141.53	0.0120	28	2.4U	
Aroclor 1016 {2}	6.49 $^{+0.04}$c	7.10 $^{+0.04}$c	14995	2254m	30.28	6.47	6.1J	2.4U	
Aroclor 1016 {3}	6.61 $^{-0.01}$ c		0	0m	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {4}	6.97 $^{+0.04}$c		0	0m	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {5}	7.40 $^{-0.04}$ c	7.66 $^{+0.03}$c	15364	13894m	104.56	94.13	21	19	
Aroclor 1221			0	0	67.95	51.11	14J	10Ji	14J
Aroclor 1221 {1}	3.54	3.91	0	2041m	0.0000	45.53	1.6U	9.1J	
Aroclor 1221 {2}	4.70	5.22	5063	4659m	80.88	62.19	16J	12J	
Aroclor 1221 {3}	4.82		4288	0m	101.00	0.0000	20	1.6U	
Aroclor 1221 {4}	4.99 c	5.46 c	3293	7538m	21.97	45.61	4.4J	9.1J	
Aroclor 1232			0	0	36.66	149.54	7.4Ui	30Ui	7.4Ui
Aroclor 1232 {1}	4.99 c	5.46 c	3293	7538m	26.59	54.27	1.3Ui	1.3Ui	
Aroclor 1232 {2}	5.65 c	6.47	1259	28092m	11.04	313.47	1.3Ui	1.3Ui	
Aroclor 1232 {3}	6.49 c	7.01	14995	6633m	72.36	80.89	1.3Ui	1.3Ui	
Aroclor 1232 {4}	6.61 c	7.32	0	0m	0.0000	0.0000	1.3Ui	1.3Ui	
Aroclor 1242			0	0	23.07	56.72	4.6Ji	11	11P
Aroclor 1242 {1}	5.65 c	6.11 c	1259	2m	6.41	0.0220	1.3J	0.98U	
Aroclor 1242 {2}	6.49 c	7.10 c	14995	2254m	39.74	12.83	7.9J	2.6J	RPD
Aroclor 1242 {3}	6.61 c		0	0m	0.0000	0.0000	0.98U	0.98U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F022.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R022.D			**Vial:**	17
Acqu Date:	11/22/2006 00:21	**Quant Date:**	11/22/2006 14:32	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608915-007				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {4}	6.97	c	7.66	c	0	13894m	0.0000	116.39	0.98U	23	
Aroclor 1242 {5}			7.90	c	0	10901m	0.0000	97.64	0.98U	20	
Aroclor 1248					0	0	29.96	65.11	6.0J	13	13P
Aroclor 1248 {1}	6.97	c	7.66	c	0	13894m	0.0000	80.35	1.6U	16	
Aroclor 1248 {2}	7.40	c	7.90	c	15364	10901m	81.55	58.64	16	12	
Aroclor 1248 {3}	7.79		8.23		1583	0m	10.50	0.0000	2.1J	1.6U	
Aroclor 1248 {4}	8.07		8.80		4909	22564m	20.58	57.87	4.1J	12	
Aroclor 1248 {5}	8.24		8.89		2032	14711m	7.22	63.57	1.6U	13	
Aroclor 1254					0	0	0.0000	5.55	0.61U	1.1J	0.61U
Aroclor 1254 {1}			9.14		0	0m	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {2}			9.78		0	2811m	0.0000	17.00	0.61U	3.4J	
Aroclor 1254 {3}			9.90		0	1161m	0.0000	3.63	0.61U	0.73J	
Aroclor 1254 {4}			10.59		0	149m	0.0000	0.5970	0.61U	0.61U	
Aroclor 1254 {5}			11.29	c	0	281m	0.0000	0.9820	0.61U	0.61U	
Aroclor 1260					0	0	15.59	12.29	3.1J	2.5J	3.1J
Aroclor 1260 {1}	9.47	+0.09	10.24	-0.01	5840	4680m	24.91	17.56	5.0J	3.5J	
Aroclor 1260 {2}	9.98	0.00	10.69	-0.09	1940	1157m	5.53	3.79	1.9U	1.9U	
Aroclor 1260 {3}	10.75	+0.00	11.29	-0.09 c	3258	281m	9.69	0.7840	1.9J	1.9U	
Aroclor 1260 {4}	11.55	+0.10	11.52	-0.05	5728	2938m	26.32	16.29	5.3J	3.3J	
Aroclor 1260 {5}	11.91	-0.02	12.09	+0.01	5142	5305m	11.50	23.01	2.3J	4.6J	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.01 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1
Solids:	%		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F022.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F022.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R022.D
Inj Date : 22-NOV-2006 00:21
Sample Info: K0608915-007 | SCTIBC36
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08915007.H | F=2 D=
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	333139	371741	68.0	64.0		100.00(R)
Aroclor 1016	6.037	6.113	14579	2	142	0.0118	80.00- 120.00	100.00
	6.487	7.100	14995	2254	30.3	6.47	339.32- 508.98	102.85
	6.610	0.000					103.51- 155.27	0.00
	6.970	0.000					65.13- 97.69	0.00
	7.397	7.657	15364	13894	104	94.1	106.78- 160.17	105.38
		Average of Peak Amounts =			92.1	33.5		
Aroclor 1221	3.543	3.913		2041		45.5	80.00- 120.00	100.00
	4.697	5.217	5063	4659	80.9	62.2	118.80- 178.20	31.98
	4.823	0.000	4288		101		80.58- 120.87	27.09
	4.990	5.463	3293	7538	22.0	45.6	284.44- 426.66	20.80
		Average of Peak Amounts =			68.0	51.1		
Aroclor 1232	4.990	5.463	3293	7538	26.6	54.3	80.00- 120.00	100.00
	5.647	6.473	1259	28092	11.0	313	73.68- 110.52	38.23
	6.487	7.007	14995	6633	72.4	80.9	133.86- 200.79	455.36
	6.610	7.320					38.81- 58.22	0.00
		Average of Peak Amounts =			36.7	149		
Aroclor 1242	5.647	6.113	1259	2	6.41	0.0224	80.00- 120.00	100.00(T)
	6.487	7.100	14995	2254	39.7	12.8	153.67- 230.50	1191.02(T)
	6.610	0.000					91.24- 136.86	0.00(T)
	6.970	7.657		13894		116	106.73- 160.09	694730.00(T)
	0.000	7.897		10901		97.6	99.82- 149.72	545075.00(T)
		Average of Peak Amounts =			23.0	56.6		
Aroclor 1248	6.970	7.657		13894		80.4	80.00- 120.00	100.00
	7.397	7.897	15364	10901	81.5	58.6	65.16- 97.74	12.06
	7.793	8.233	1583		10.5		52.13- 78.20	1.24
	8.070	8.797	4909	22564	20.6	57.9	82.49- 123.74	3.85
	8.243	8.887	2032	14711	7.22	63.6	97.28- 145.92	1.60

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F022.D
Report Date: 22-Nov-2006 11:36

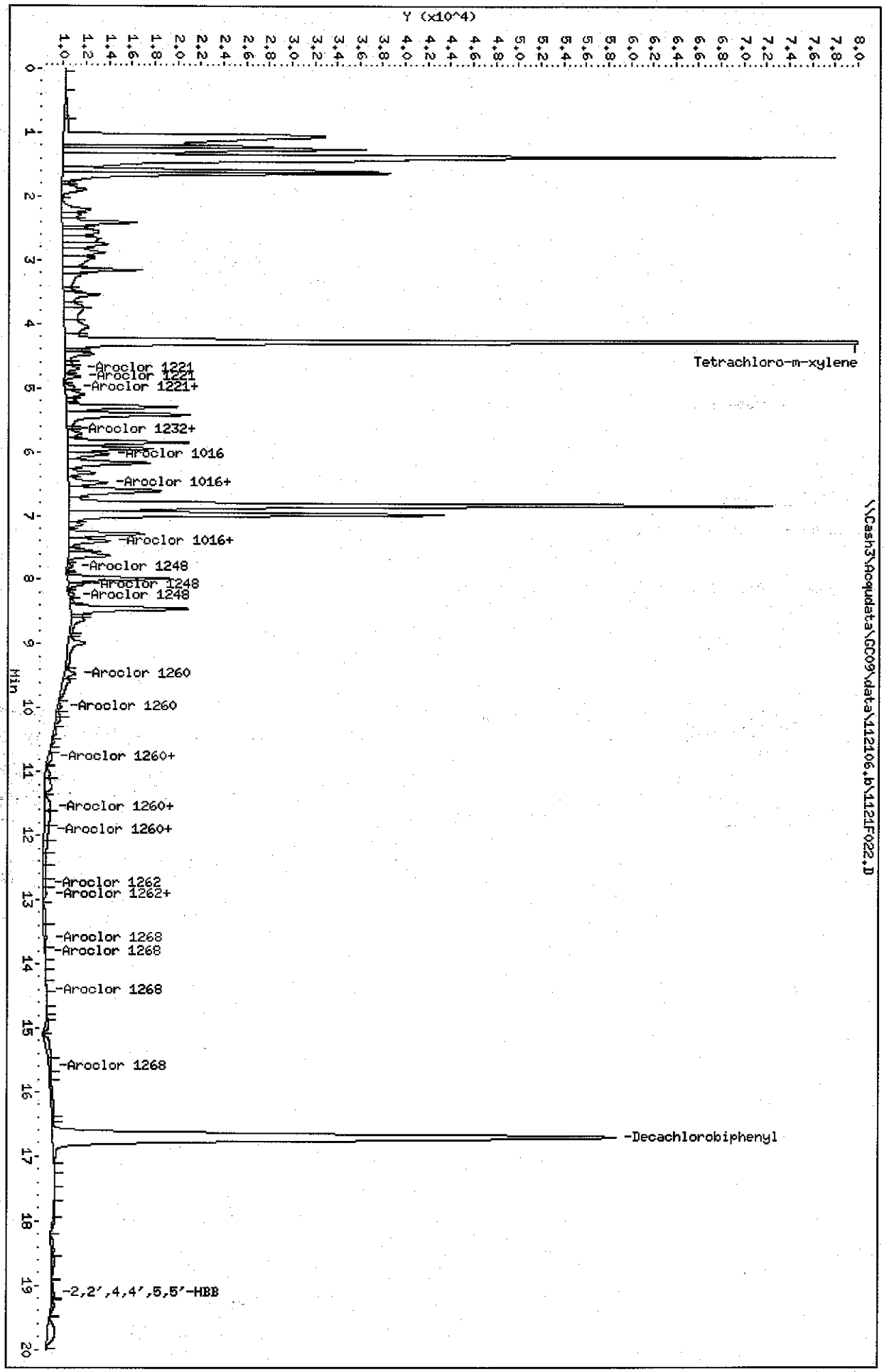
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
		Average of Peak Amounts =			30.0	65.1		
Aroclor 1254	0.000	9.143	0	0	0.000	0.000		
	0.000	9.783	0	2811	0.000	17.0		
	0.000	9.897	0	1161	0.000	3.63		
	0.000	10.593	0	149	0.000	0.596		
	0.000	11.287	0	281	0.000	0.983		
		Average of Peak Amounts =			0.000	5.55		
Aroclor 1260	9.467	10.237	5840	4680	24.9	17.6	80.00- 120.00	100.00
	9.977	10.687	1940	1157	5.53	3.79	119.45- 179.17	33.22
	10.753	11.287	3258	281	9.69	0.785	122.03- 183.05	55.79
	11.550	11.520	5728	2938	26.3	16.3	77.12- 115.68	98.08
	11.913	12.093	5142	5305	11.5	23.0	160.61- 240.92	88.05
		Average of Peak Amounts =			15.6	12.3		
Aroclor 1262	10.753	11.520	3258	2938	9.08	9.60	80.00- 120.00	100.00
	11.550	12.093	5728	5305	21.2	22.4	60.24- 90.36	175.81
	11.913	12.877	5142	9019	9.51	17.6	120.56- 180.84	157.83
	12.737	13.663	1638	8035	7.16	21.8	50.99- 76.48	50.28
	12.903	13.903	2732	13299	6.60	48.3	92.25- 138.38	83.86
		Average of Peak Amounts =			10.7	23.9		
Aroclor 1268	12.903	13.903	2732	13299	4.09	20.5	80.00- 120.00	100.00
	13.593	14.687	3322	505	5.73	0.881	69.37- 104.06	121.60
	13.817	14.900	998	2998	6.87	19.2	17.39- 26.08	36.53
	14.410	0.000	488		2.00		29.21- 43.82	17.86
	15.597	17.023	2856	1646	1.64	0.946	208.69- 313.04	104.54
		Average of Peak Amounts =			4.07	10.4		
Decachlorobiphenyl	16.703	18.180	355797	381945	70.7	75.4		100.00(R)
2,2',4,4',5,5'-HBB	19.123	0.000	1942	0	0.000	0.000		100.00

QC Flag Legend

T - Target compound detected outside RT window.
R - Spike/Surrogate failed recovery limits.

Data File: \\Cash3\Acqudata\GC09\data\112106,b\1121F022.D
Date : 22-NOV-2006 00:21
Client ID:
Sample Info: K0608915-007 I SCTIBC36
Column phase: DB-35MS

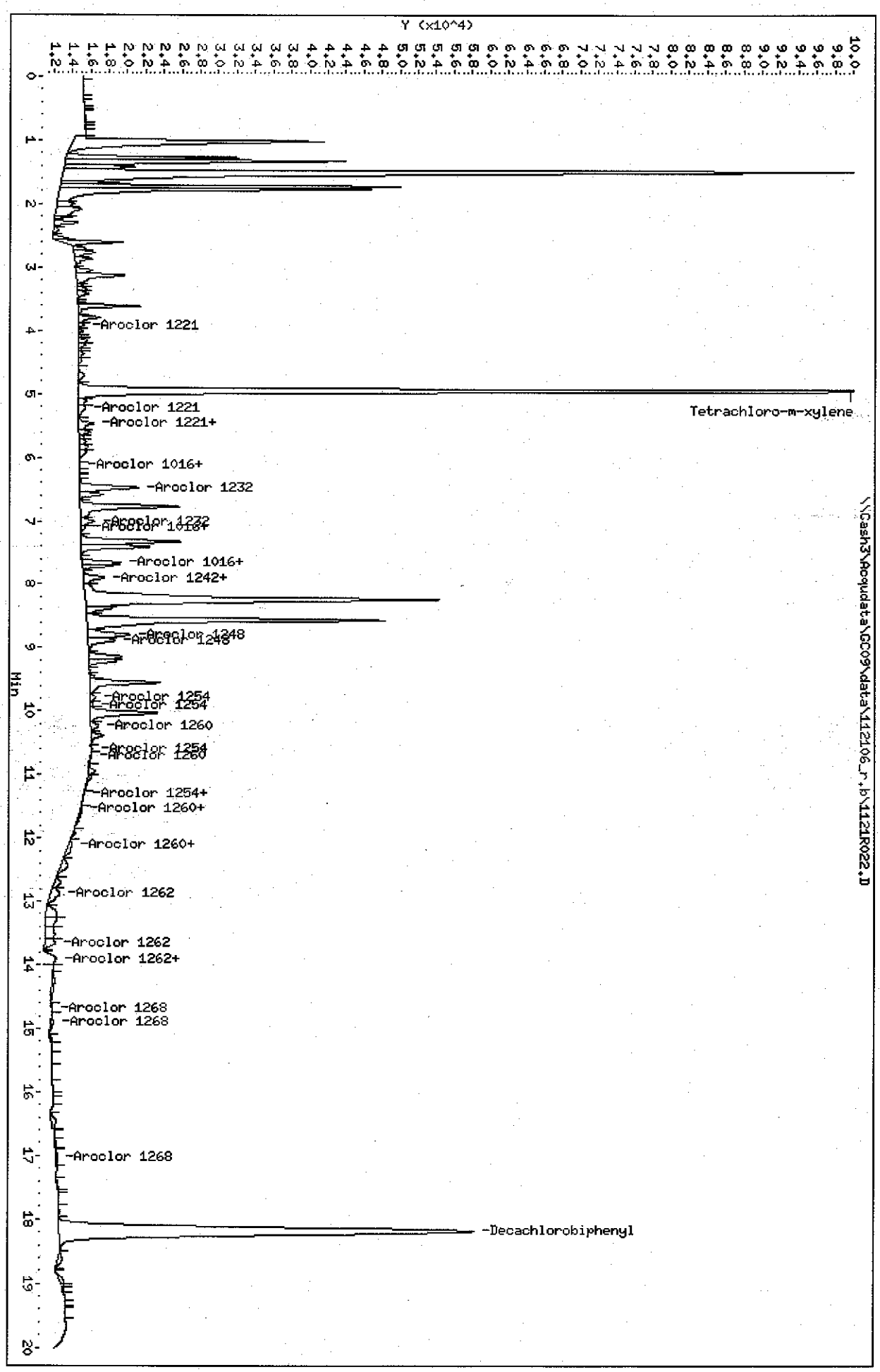
Instrument: GC09,i
Operator: LHarris
Column diameter: 0.53



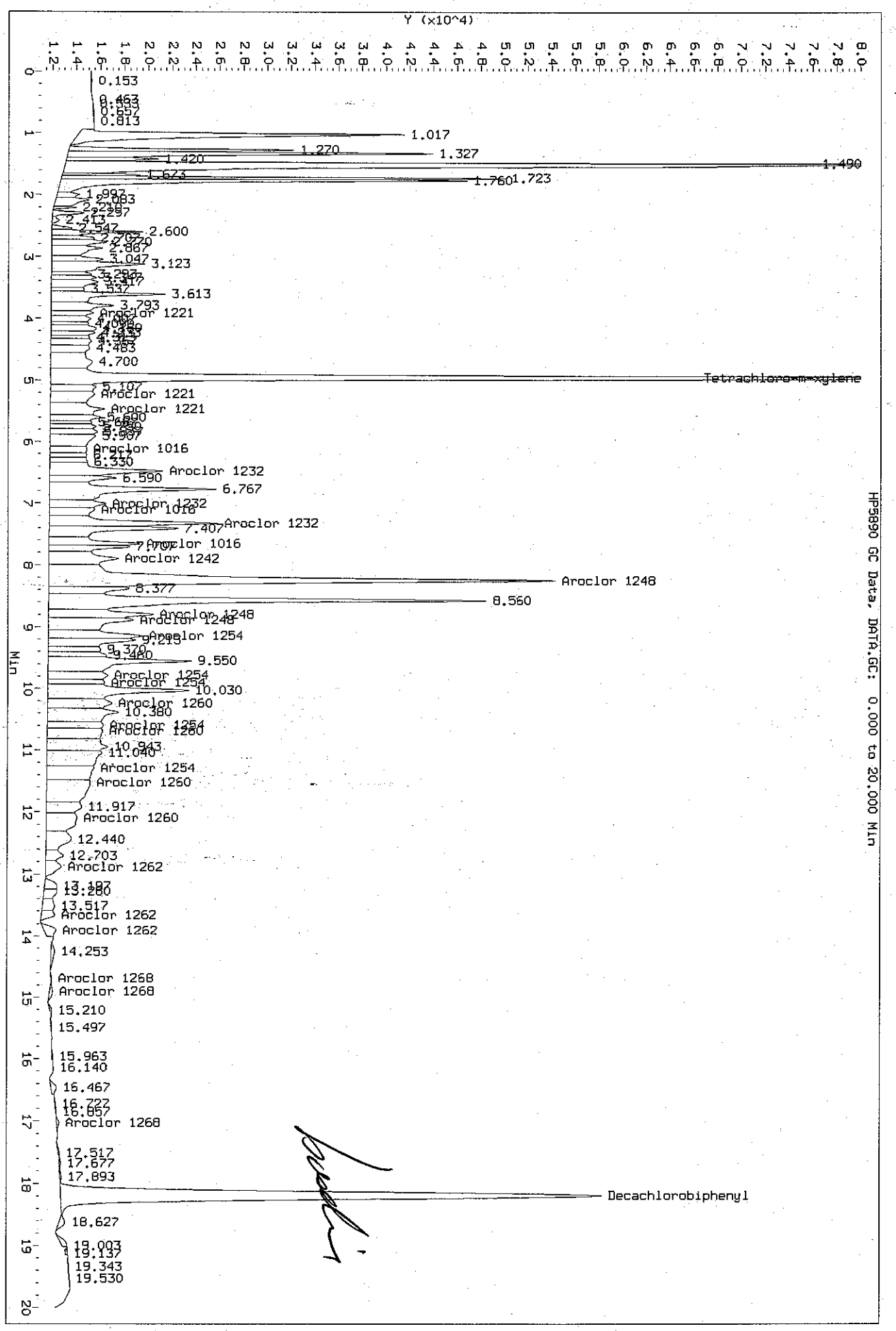
Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R022.D
Date : 22-NOV-2006 00:21
Client ID:
Sample Info: K0608915-007 I SCTIBC36

Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

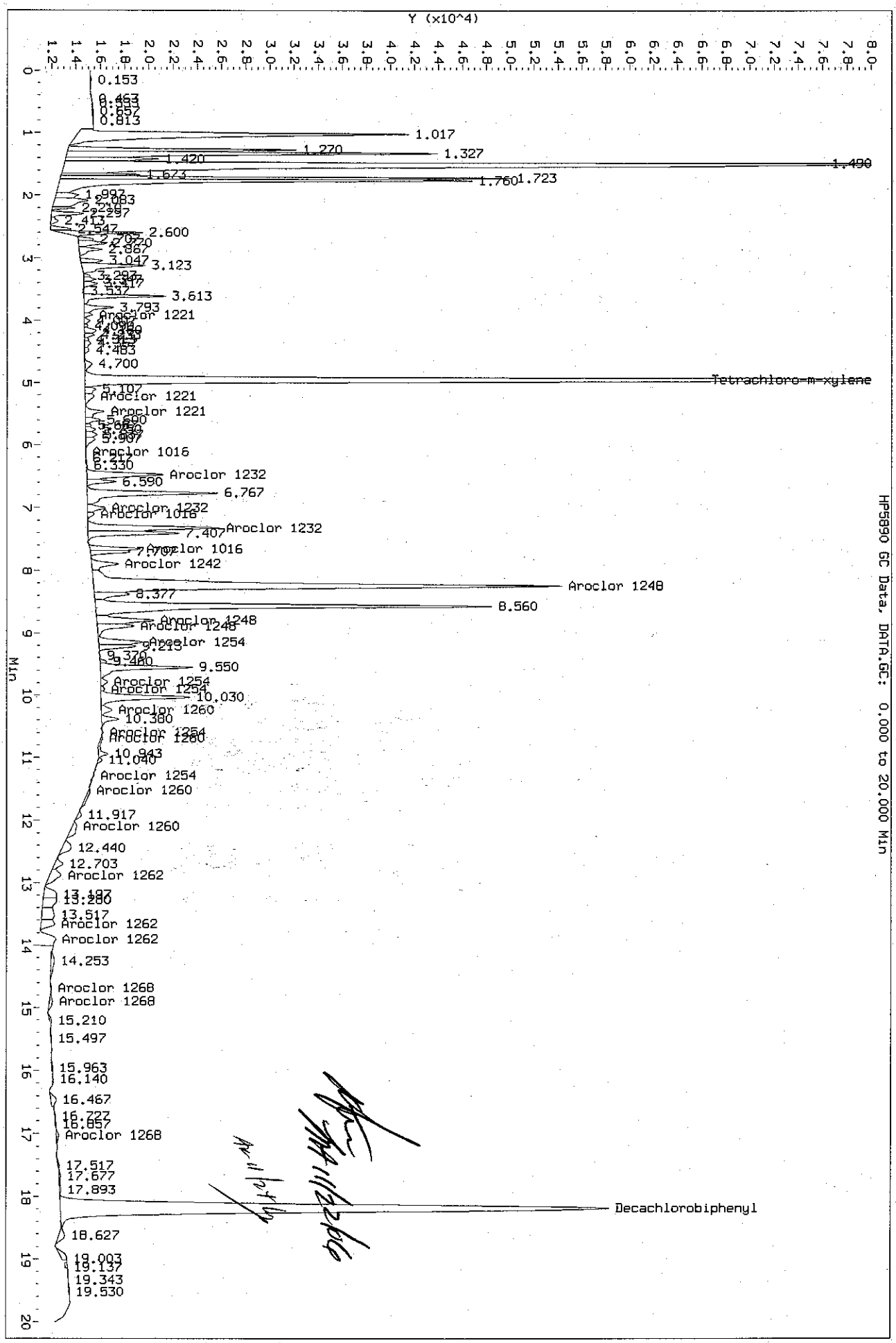


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R022.D
Injection Date: 22-NOV-2006 00:21
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R022.D
Injection Date: 22-NOV-2006 00:21
Instrument: GC09:i
Client Sample ID:

HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	NA
Sample Matrix:	Animal tissue	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	KWG0619267-4	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	U	20	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	U	10	1.3	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	U	10	0.98	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	U	10	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	ND	U	10	1.9	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	77	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F015.D
Lab ID: KWG0619267-4
RunType: MB
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 21:30
Date Quantitated: 11/22/2006 11:36
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/22/06

Secondary Review: 11/24/06

Printed: 11/22/2006 14:15:12
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R015.D
Lab ID: KWG0619267-4
RunType: MB
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 21:30
Date Quantitated: 11/22/2006 11:40
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	37	38	125	Surr OK, see narrative NR 11/28/06

Primary Review: 11/28/06

Secondary Review: 11/24/06

Printed: 11/22/2006 14:15:15
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/20/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548431	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:		**Method ID:**	MJ376
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F015.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R015.D			**Vial:**	10
Acqu Date:	11/21/2006 21:30	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.26	4.94	399010	433110	81.41	74.57			41OK
			%Recovery =		41OK	37*	Limits =	38-125	
Decachlorobiphenyl	16.70	18.18 0.00	357870	388106	71.12	76.57			77OK
			%Recovery =		71OK	77OK	Limits =	19-136	
2,2',4,4',5,5'-Hexabromobiphen	0.00		0	0		0.0000			
			%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	2.4U	2.4U	2.4U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	2.4U	2.4U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	2.4U	2.4U	
Aroclor 1221			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1232			0	0	0.0000	0.0000	1.3U	1.3U	1.3U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	1.3U	1.3U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F015.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R015.D			**Vial:**	10
Acqu Date:	11/21/2006 21:30	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1242			0	0	0.0000	0.0000	0.98U	0.98U	0.98U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1248			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1254			0	0	0.0000	0.0000	0.61U	0.61U	0.61U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1260			0	0	0.0000	0.0000	1.9U	1.9U	1.9U
Aroclor 1260 {1}			0d	0	0.0000	0.0000	1.9U	1.9U	
Aroclor 1260 {2}			0d	0	0.0000	0.0000	1.9U	1.9U	
Aroclor 1260 {3}			0d	0	0.0000	0.0000	1.9U	1.9U	
Aroclor 1260 {4}			0d	0	0.0000	0.0000	1.9U	1.9U	
Aroclor 1260 {5}			0d	0	0.0000	0.0000	1.9U	1.9U	
Aroclor 1262			0	0	0.0000	0.0000	1.5U	1.5U	1.5U
Aroclor 1262 {1}			0d	0	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {2}			0d	0	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {3}			0d	0	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {4}			0d	0	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {5}			0d	0	0.0000	0.0000	1.5U	1.5U	
Aroclor 1268			0	0	0.0000	0.0000	0.60U	0.60U	0.60U
Aroclor 1268 {1}			0d	0	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {2}			0d	0	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {3}			0d	0	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {4}			0d	0	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {5}			0d	0	0.0000	0.0000	0.60U	0.60U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.04 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F015.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R015.D			**Vial:**	10
Acqu Date:	11/21/2006 21:30	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F015.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F015.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R015.D
Inj Date : 21-NOV-2006 21:30
Sample Info: KWG0619267-4 | MB | 8082 PCB | ANIMAL TISSUE
Misc Info : SEMIVOA GC\W0619267\4-MB.H | F=2 D=1 A=10.04
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	399010	433110	81.4	74.6		100.00(R)
Decachlorobiphenyl	16.703	18.180	357870	388106	71.1	76.6		100.00(R)

QC Flag Legend

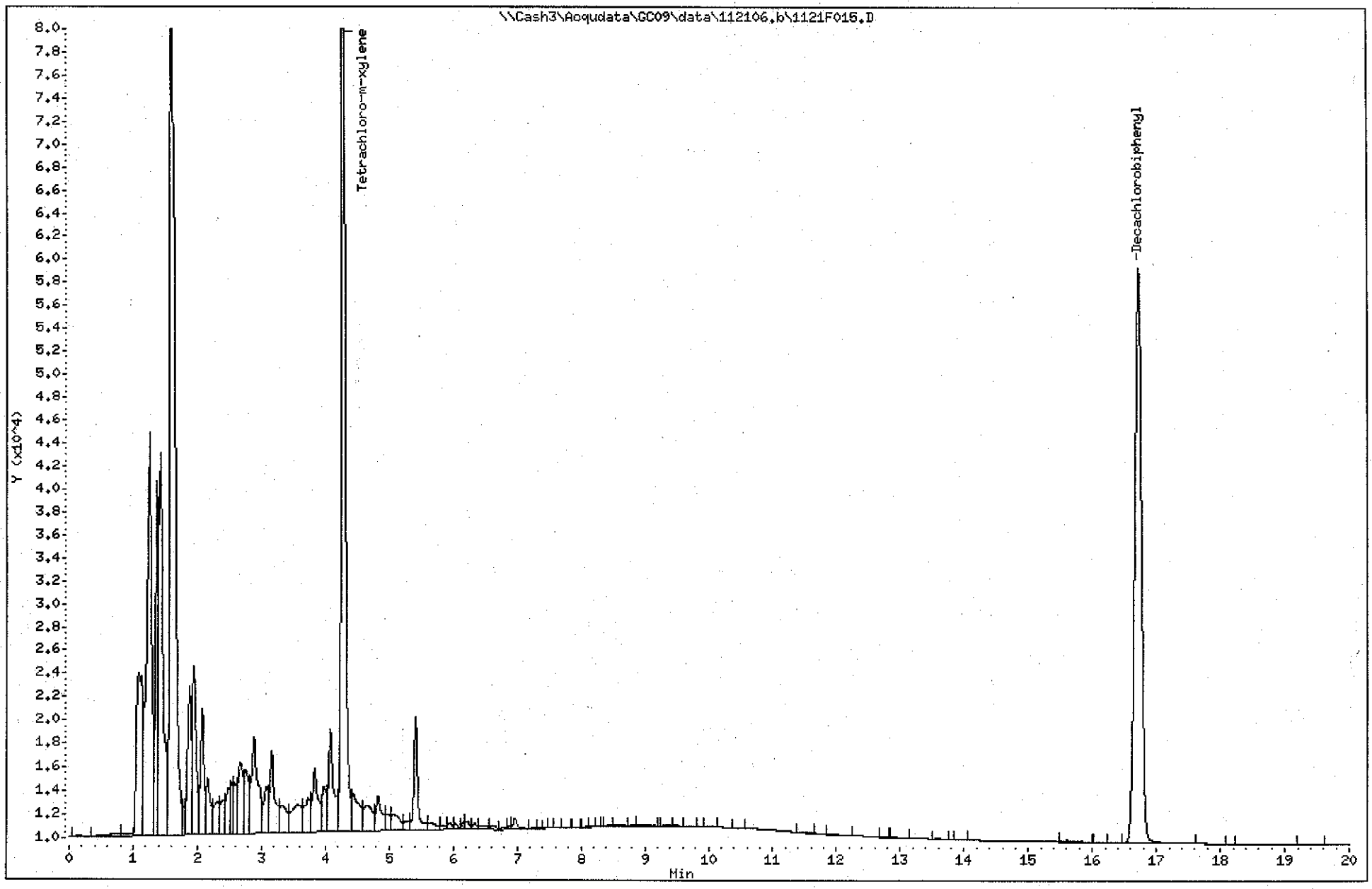
R - Spike/Surrogate failed recovery limits.

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F015.D
Date : 21-NOV-2006 21:30
Client ID:
Sample Info: KWG0619267-4 | MB | 8082 PCB | ANIMAL TISSUE

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



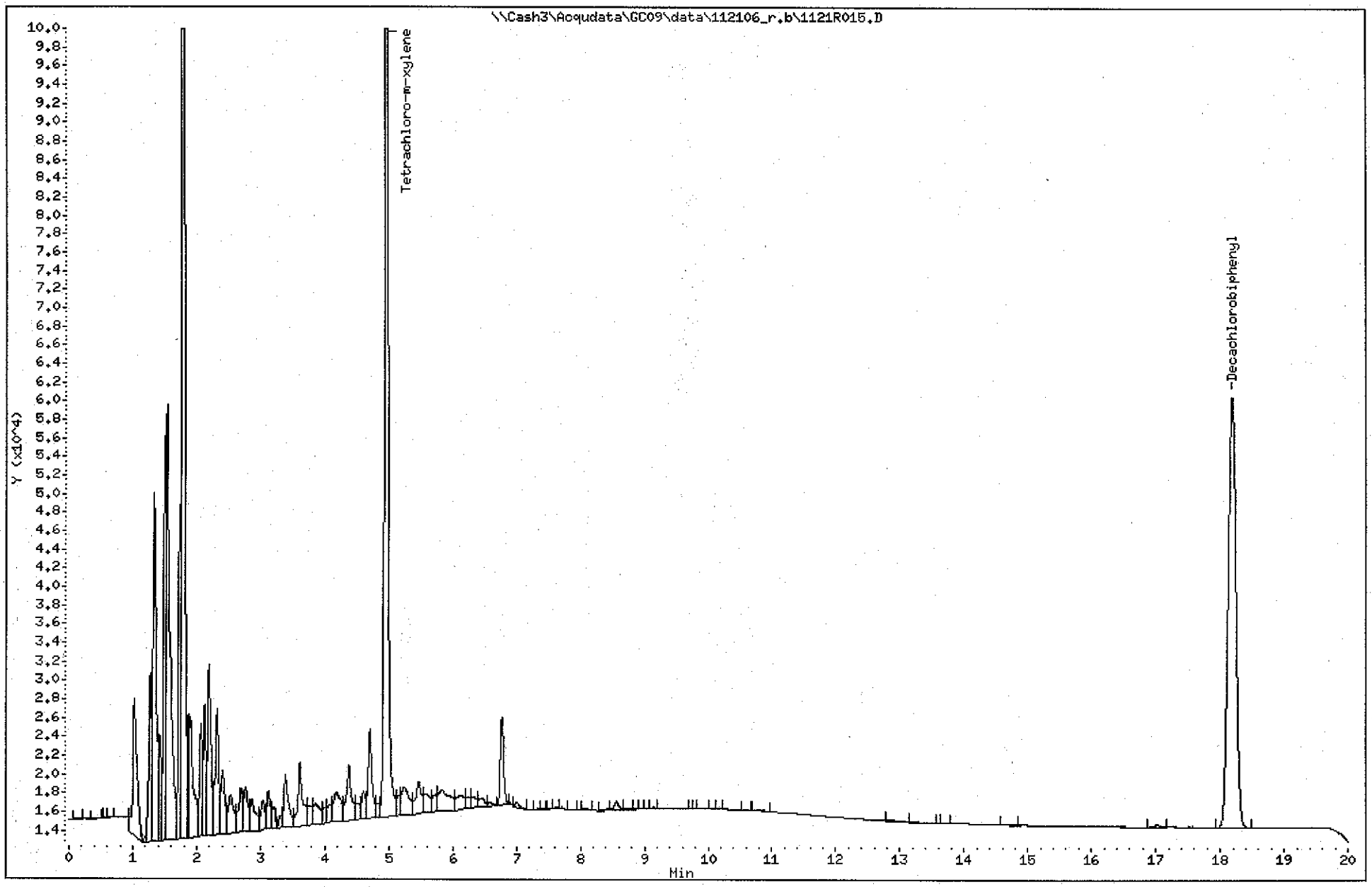
Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R015.D
Date : 21-NOV-2006 21:30
Client ID:
Sample Info: KWG0619267-4 | MB | 8082 PCB | ANIMAL TISSUE

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine
Sample Matrix: Animal tissue

Service Request: K0608915
Date Collected: 10/05/2006
Date Received: 10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name: SCTIBC32aMS
Lab Code: KWG0619267-1

Units: ug/Kg
Basis: Wet

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**141**		10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	U	20	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	U	10	1.3	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	U	10	0.98	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	U	10	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	**162**		10	1.9	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	74	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F019.D
Lab ID: KWG0619267-1 -- K0608915-002MS
RunType: MS
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:07
Date Quantitated: 11/22/2006 11:36
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	32	38	125	NR

Primary Review: 11/22/06

Secondary Review: 11/27/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R019.D
Lab ID: KWG0619267-1 -- K0608915-002MS
RunType: MS
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:07
Date Quantitated: 11/22/2006 11:40
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	31	38	125	NR

Primary Review: 11/22/06

Secondary Review: 11/27/06

Printed: 11/22/2006 14:15:44
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/20/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548428	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F019.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D			**Vial:**	14
Acqu Date:	11/21/2006 23:07	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-1 -- K0608915-002MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.26	4.94	313678m	357289m	64.00	61.51			32*
			%Recovery =		32*	31*	Limits =	38-125	
Decachlorobiphenyl	16.71 +0.00	18.18	339723m	372596	67.52	73.51			74OK
			%Recovery =		68OK	74OK	Limits =	19-136	
2,2',4,4',5,5'-Hexabromobiphen	19.14		8083	0		0.0000			
			%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	705.15	675.35	141	135	**141**
Aroclor 1016 {1}	6.08 0.00	6.08	74322m	108561m	721.49	638.13	144	127	
Aroclor 1016 {2}	6.44	7.06	328635m	230422m	663.65	661.42	132	132	
Aroclor 1016 {3}	6.62	7.12	156044m	150524m	736.12	658.32	147	131	
Aroclor 1016 {4}	6.96 +0.02	7.52	0m	88697m	0.0000	672.73	2.4U	134	
Aroclor 1016 {5}	7.44	7.62	102762m	110134m	699.32	746.17	139	149	
Aroclor 1221			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1232			0	0	0.0000	0.0000	1.3U	1.3U	1.3U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	1.3U	1.3U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F019.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D			**Vial:**	14
Acqu Date:	11/21/2006 23:07	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-1 -- K0608915-002MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1242			0	0	0.0000	0.0000	0.98U	0.98U	0.98U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1248			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1254			0	0	0.0000	0.0000	0.61U	0.61U	0.61U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1260			0	0	646.15	813.93	129	162	**162**
Aroclor 1260 {1}	9.38	10.25	138860m	203374m	592.23	762.92	118	152	
Aroclor 1260 {2}	9.98	10.78	214615m	228388m	611.85	748.79	122	149	
Aroclor 1260 {3}	10.75 +0.00	11.38	185673m	258106m	552.36	720.28	110	144	
Aroclor 1260 {4}	11.46 +0.00	11.57	154138m	180661m	708.14	1,002	141	200	
Aroclor 1260 {5}	11.93 +0.00	12.08 +0.00	342700m	192781m	766.17	836.14	153	167	
Aroclor 1262			0	0	0.0000	0.0000	1.5U	1.5U	1.5U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1268			0	0	0.0000	0.0000	0.60U	0.60U	0.60U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.60U	0.60U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.03 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F019.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D			**Vial:**	14
Acqu Date:	11/21/2006 23:07	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-1 -- K0608915-002MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F019.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F019.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D
Inj Date : 21-NOV-2006 23:07
Sample Info: KWG0619267-1 | K0608915-002MS | 8082 PCB
Misc Info : SEMIVOA GC\W0619267\1-MS.H | F=2 D=1 A=10.03
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	313678	357289	64.0	61.5		100.00(RM)
Aroclor 1016	6.080	6.080	74322	108561	721	638	80.00- 120.00	100.00(M)
	6.443	7.060	328635	230422	664	661	339.32- 508.98	442.17(M)
	6.623	7.117	156044	150524	736	658	148.90- 223.36	209.96(M)
	6.957	7.520		88697		673	65.13- 97.69	81.70(M)
	7.437	7.623	102762	110134	699	746	106.78- 160.17	138.26(M)
		Average of Peak Amounts =			705	675		
Aroclor 1260	9.377	10.247	138860	203374	592	763	80.00- 120.00	100.00(M)
	9.980	10.777	214615	228388	612	749	119.45- 179.17	154.55(M)
	10.753	11.380	185673	258106	552	720	122.03- 183.05	133.71(M)
	11.457	11.567	154138	180661	708	1000	77.12- 115.68	111.00(M)
	11.933	12.083	342700	192781	766	836	160.61- 240.92	246.79(M)
		Average of Peak Amounts =			646	814		
Decachlorobiphenyl	16.707	18.183	339723	372596	67.5	73.5		100.00(RM)
2,2',4,4',5,5'-HBB	19.140	0.000	8083	0	0.000	0.000		100.00

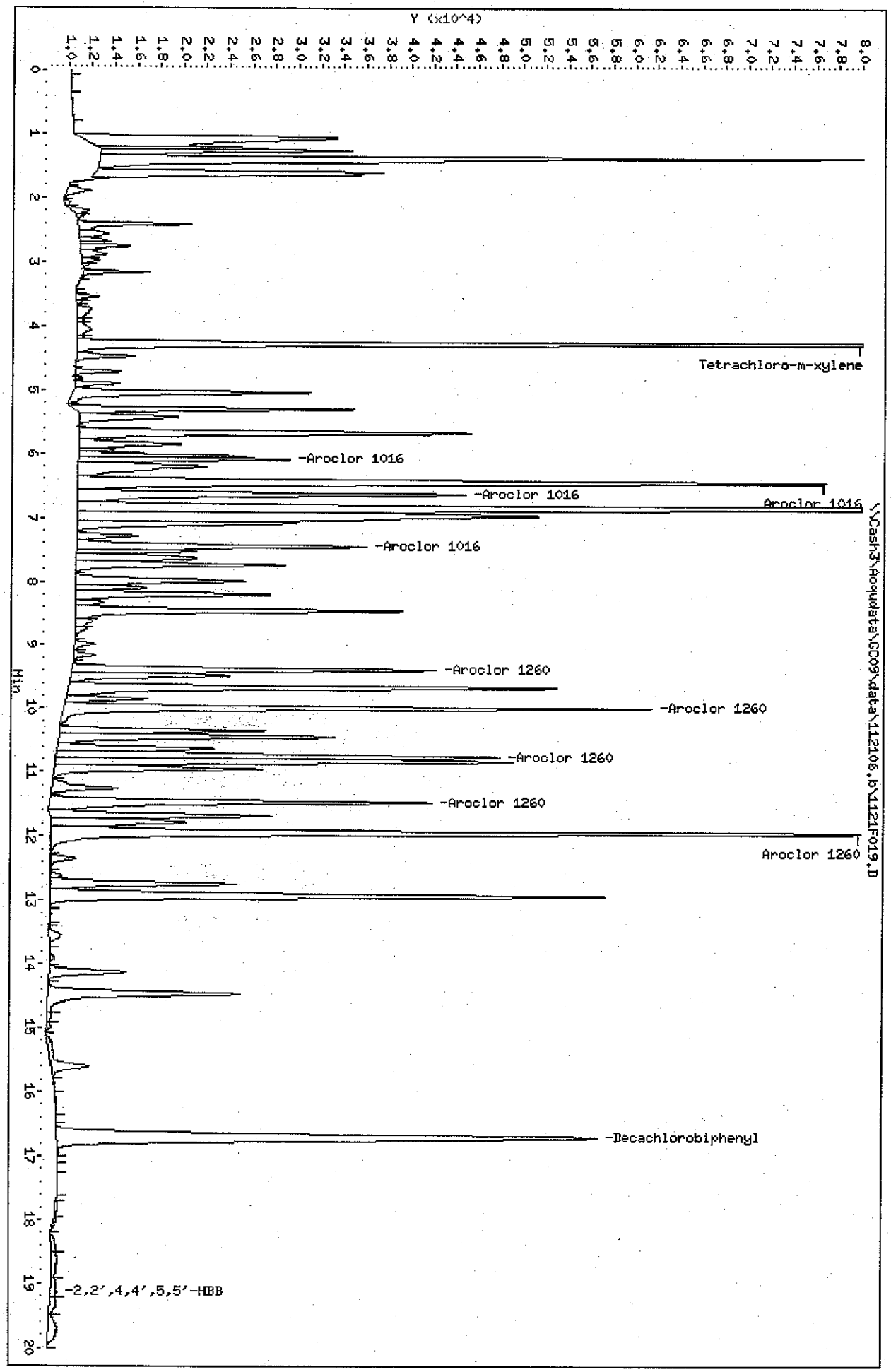
QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

Data File: \\Cash3\Acqudata\GC09\data\112106,b\1121F019.D
Date : 21-NOV-2006 23:07
Client ID:
Sample Info: KWG0619267-1 | K060815-002MS | 8082 PCB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



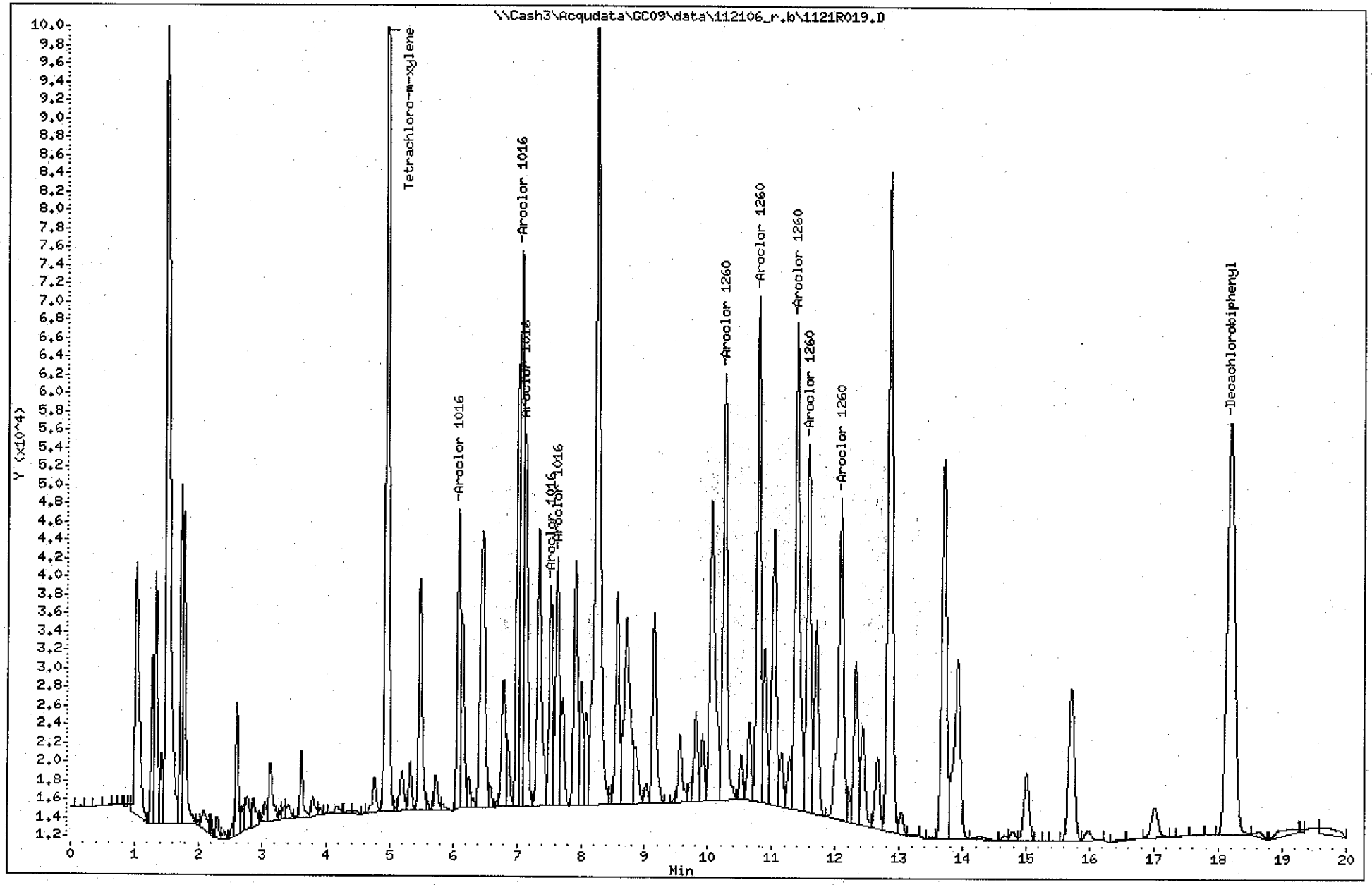
Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D
Date : 21-NOV-2006 23:07
Client ID:
Sample Info: KWG0619267-1 | K0608915-002MS | 8082 PCB

Instrument: GC09.i

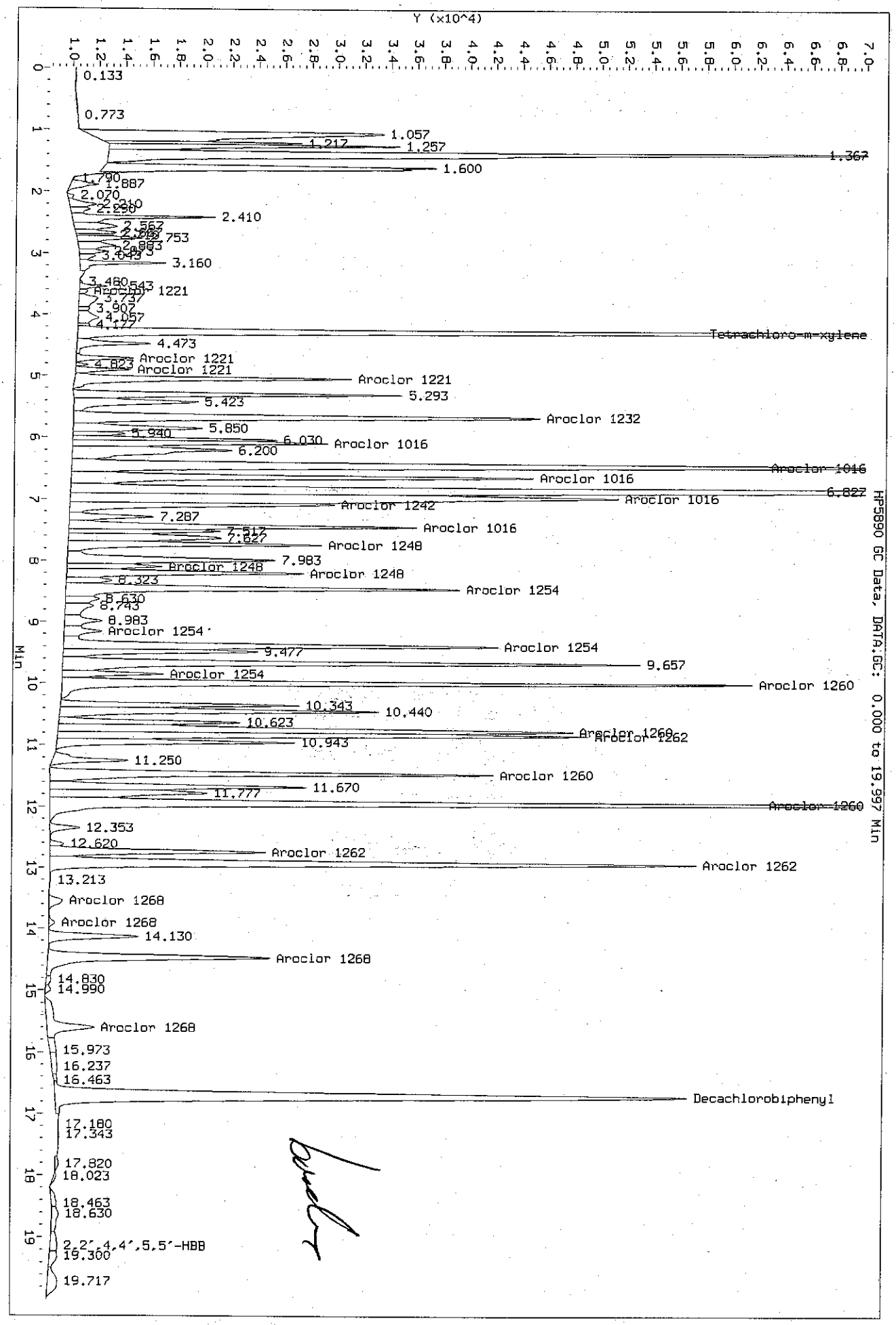
Operator: LHarris

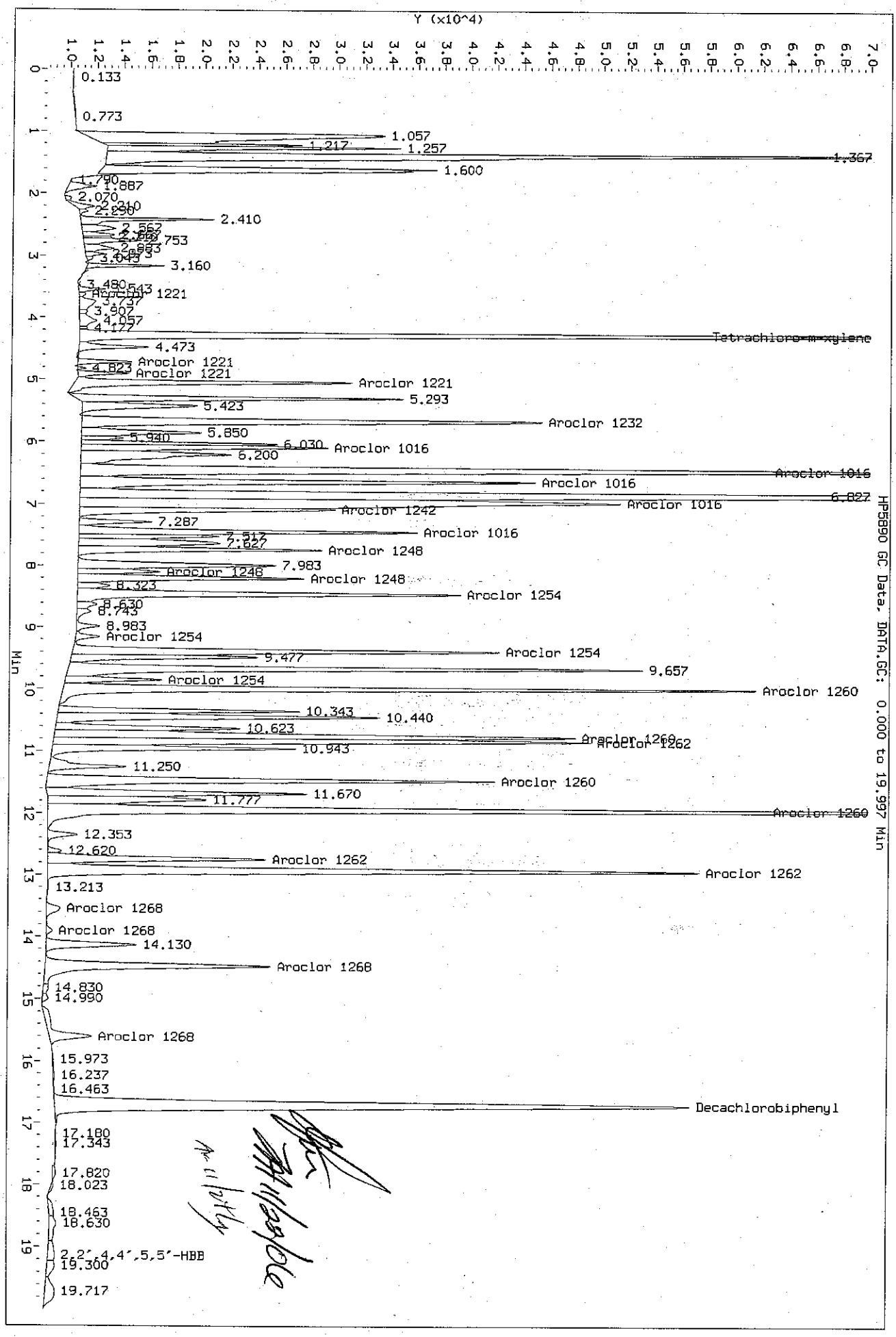
Column phase: DB-XLB

Column diameter: 0.53

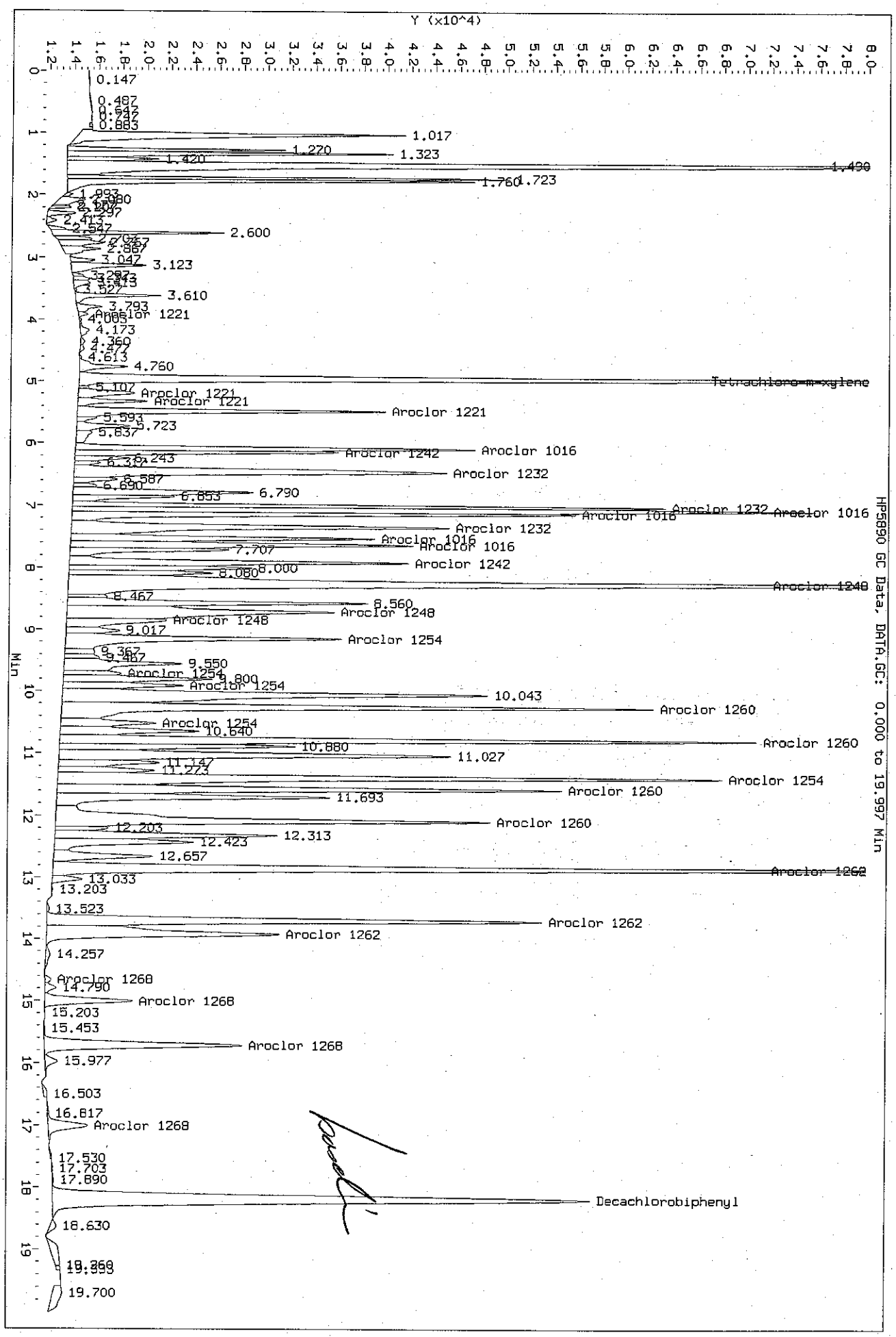


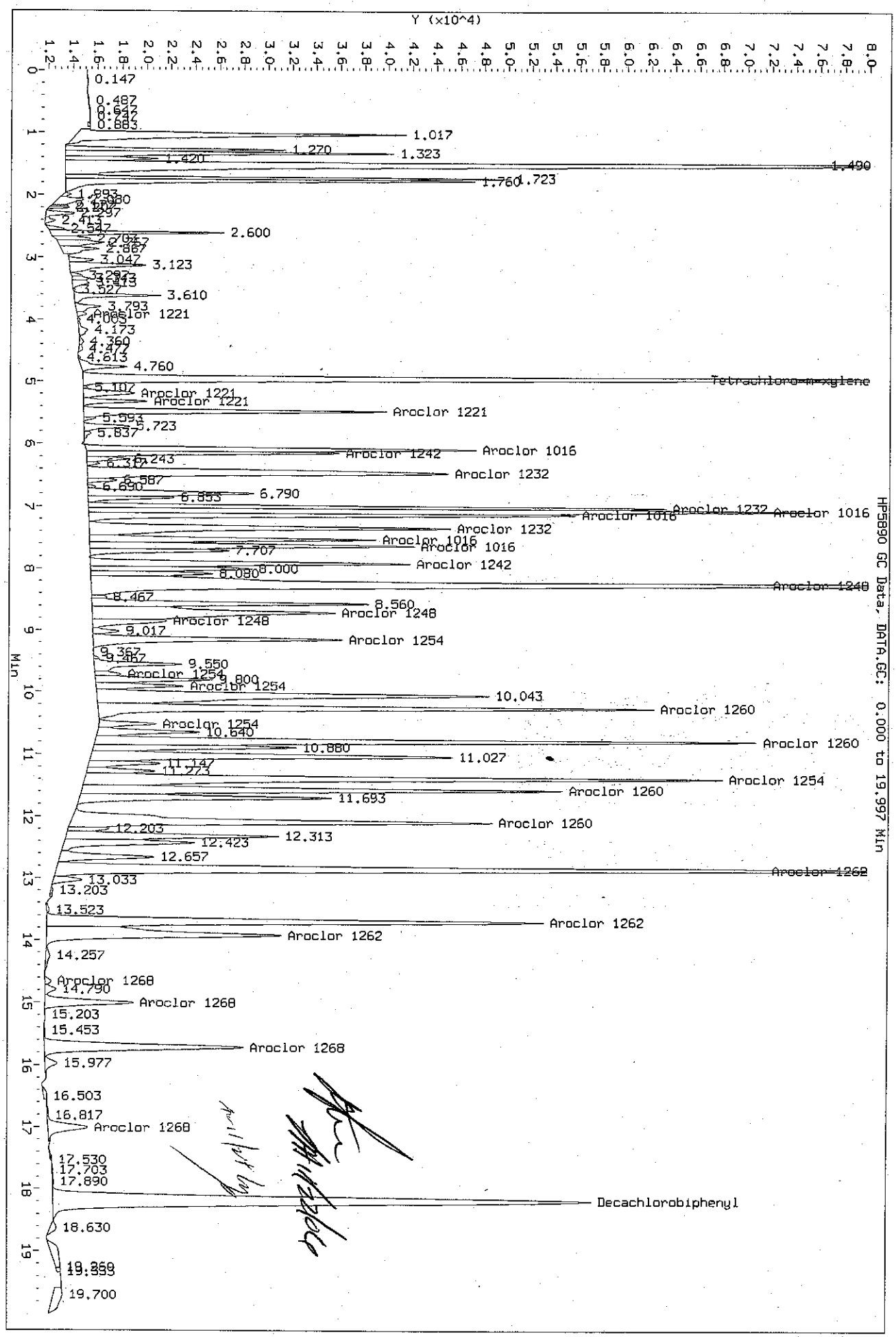
Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F019.D
Injection Date: 21-NOV-2006 23:07
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F019.D
Injection Date: 21-NOV-2006 23:07
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 19.997 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Decachlorobiphenyl
2,2',4,4',5,5'-HBB

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D
Injection Date: 21-NOV-2006 23:07
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R019.D
Injection Date: 21-NOV-2006 23:07
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 19.997 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1221
Aroclor 1016
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
Decachlorobiphenyl

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	10/05/2006
Sample Matrix:	Animal tissue	**Date Received:**	10/14/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCTIBC32aDMS	**Units:**	ug/Kg
Lab Code:	KWG0619267-2	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**146**		10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	U	20	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	U	10	1.3	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	U	10	0.98	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	U	10	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	**164**		10	1.9	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	73	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F020.D
Lab ID: KWG0619267-2 -- K0608915-002DMS
RunType: DMS
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:32
Date Quantitated: 11/22/2006 11:36
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	33	38	125	NR

Primary Review: 11/22/06

Secondary Review: 11/27/06

Printed: 11/22/2006 14:15:47
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R020.D
Lab ID: KWG0619267-2 -- K0608915-002DMS
RunType: DMS
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 23:32
Date Quantitated: 11/22/2006 11:41
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	32	38	125	NR

Primary Review: 11/22/06

Secondary Review: 11/22/06

Printed: 11/22/2006 14:15:50
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/20/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548429	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F020.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D			**Vial:**	15
Acqu Date:	11/21/2006 23:32	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-2 -- K0608915-002DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.26	4.94	320132m	370107m	65.32	63.72			33*
			%Recovery =		33*	32*	Limits =	38-125	
Decachlorobiphenyl	16.70	18.18	337059m	371488	66.99	73.29			73OK
			%Recovery =		67OK	73OK	Limits =	19-136	
2,2',4,4',5,5'-Hexabromobiphen	19.14		7291	0		0.0000			
			%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	731.01	691.76	146	138	**146**
Aroclor 1016 {1}	6.08 0.00	6.08 0.00	78561m	113078m	762.64	664.68	152	132	
Aroclor 1016 {2}	6.44	7.06	338259m	237046m	683.09	680.44	136	136	
Aroclor 1016 {3}	6.62	7.12	159471m	155819m	752.29	681.48	150	136	
Aroclor 1016 {4}	6.96 +0.02	7.52	0m	89578m	0.0000	679.41	2.4U	135	
Aroclor 1016 {5}	7.44	7.62	106685m	111110m	726.02	752.79	145	150	
Aroclor 1221			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1232			0	0	0.0000	0.0000	1.3U	1.3U	1.3U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	1.3U	1.3U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F020.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D			**Vial:**	15
Acqu Date:	11/21/2006 23:32	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-2 -- K0608915-002DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1242			0	0	0.0000	0.0000	0.98U	0.98U	0.98U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1248			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1254			0	0	0.0000	0.0000	0.61U	0.61U	0.61U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1260			0	0	649.39	823.11	129	164	**164**
Aroclor 1260 {1}	9.38	10.25	140445m	206716m	598.99	775.45	119	154	
Aroclor 1260 {2}	9.98	10.78	216256m	230780m	616.53	756.63	123	151	
Aroclor 1260 {3}	10.75 +0.00	11.38	187365m	260588m	557.39	727.20	111	145	
Aroclor 1260 {4}	11.45	11.57	152572m	182426m	700.94	1,011	140	201	
Aroclor 1260 {5}	11.93 +0.00	12.08	345792m	194807m	773.08	844.93	154	168	
Aroclor 1262			0	0	0.0000	0.0000	1.5U	1.5U	1.5U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1268			0	0	0.0000	0.0000	0.60U	0.60U	0.60U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.60U	0.60U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.04 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F020.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D			**Vial:**	15
Acqu Date:	11/21/2006 23:32	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-2 -- K0608915-002DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F020.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

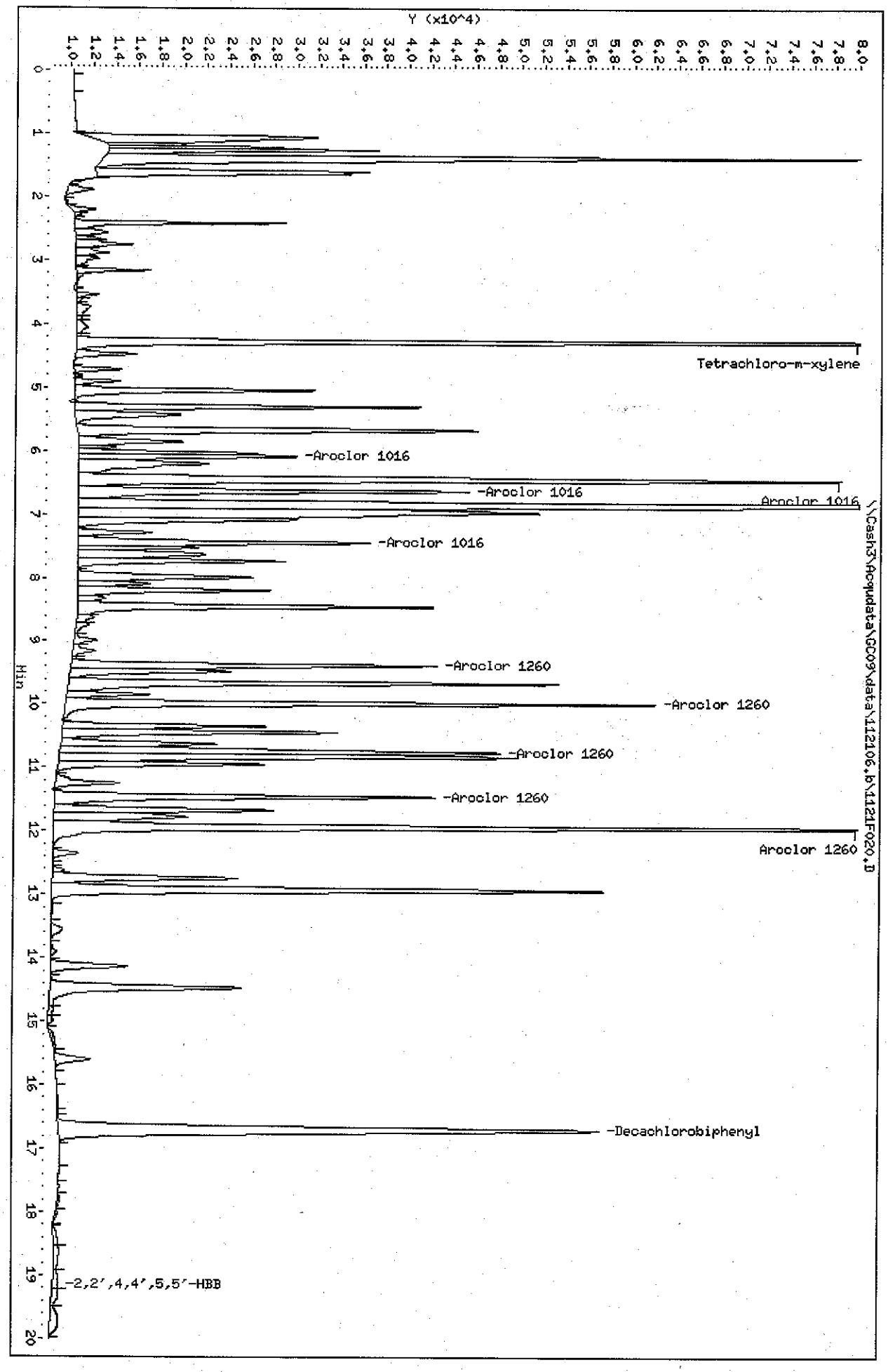
Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F020.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D
Inj Date : 21-NOV-2006 23:32
Sample Info: KWG0619267-2 | K0608915-002DMS | 8082 PCB
Misc Info : SEMIVOA GC\W0619267\2-DMS.H | F=2 D=1 A=10.04
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

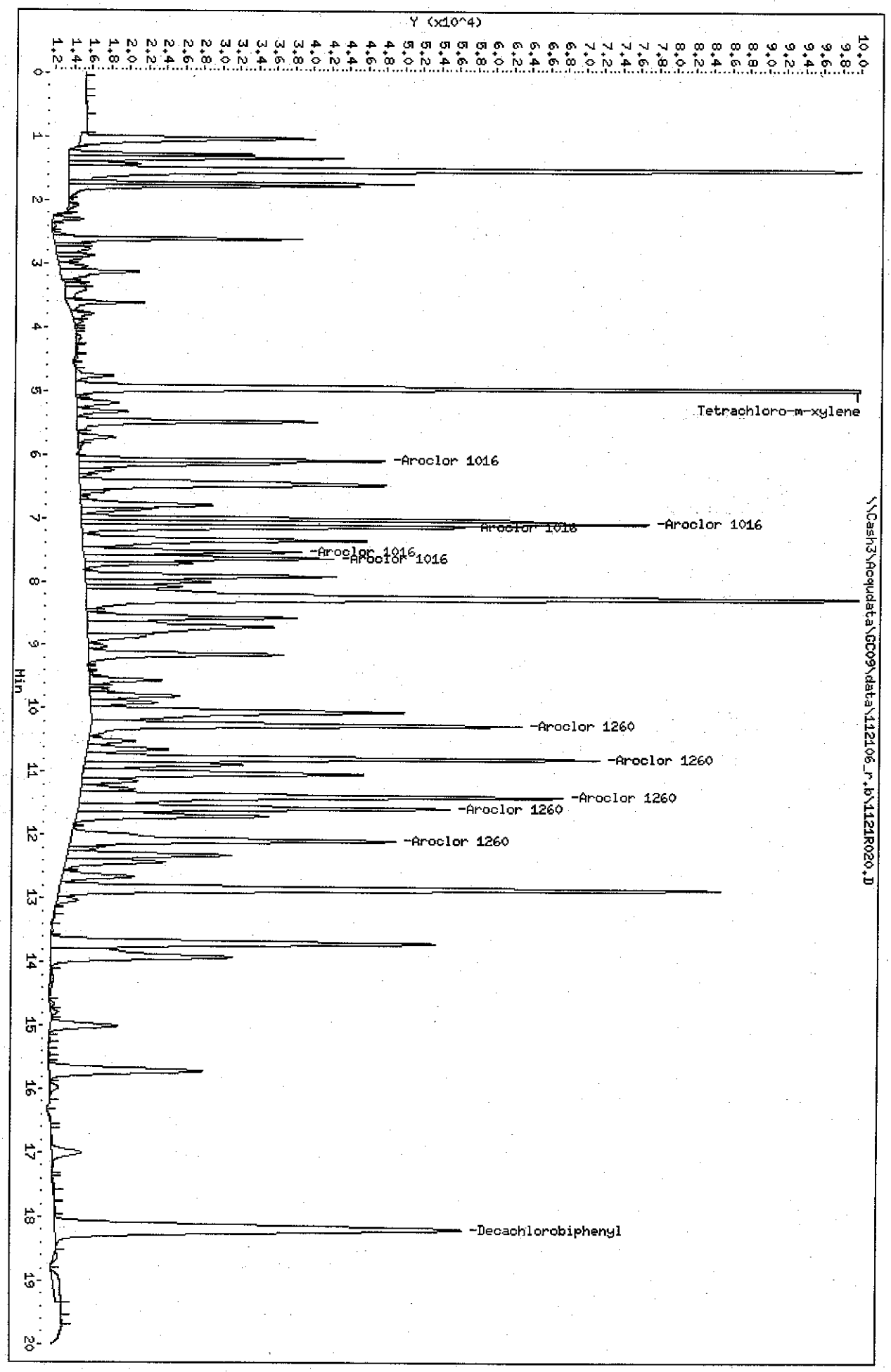
Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

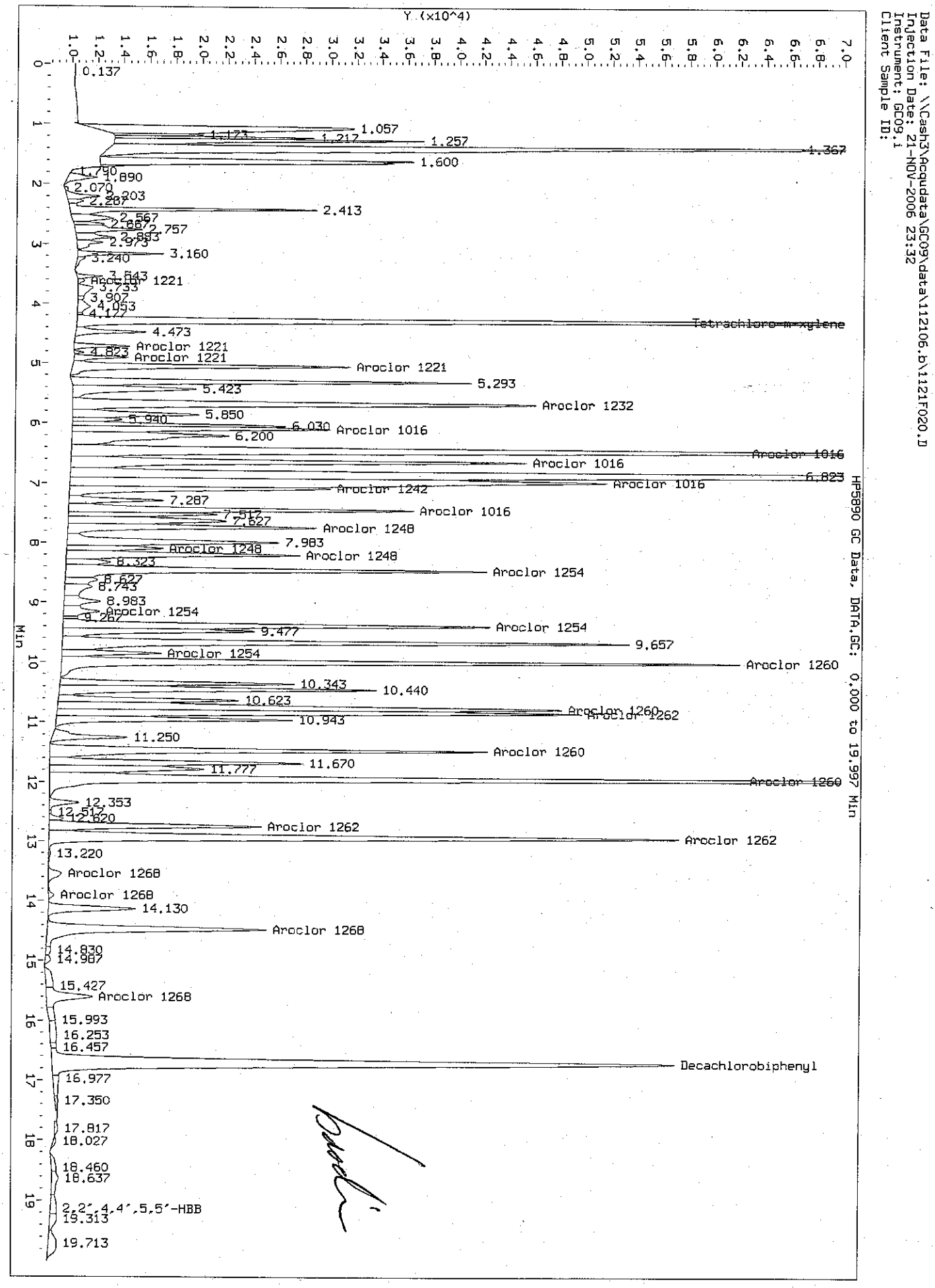
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	320132	370107	65.3	63.7		100.00(RM)
Aroclor 1016	6.080	6.077	78561	113078	763	665	80.00- 120.00	100.00(M)
	6.443	7.060	338259	237046	683	680	339.32- 508.98	430.57(M)
	6.623	7.117	159471	155819	752	681	148.90- 223.36	202.99(M)
	6.957	7.520		89578		679	65.13- 97.69	79.22(M)
	7.437	7.623	106685	111110	726	753	106.78- 160.17	135.80(M)
		Average of Peak Amounts =			731	692		
Aroclor 1260	9.377	10.247	140445	206716	599	775	80.00- 120.00	100.00(M)
	9.980	10.777	216256	230780	616	757	119.45- 179.17	153.98(M)
	10.753	11.380	187365	260588	557	727	122.03- 183.05	133.41(M)
	11.453	11.567	152572	182426	701	1010	77.12- 115.68	108.63(M)
	11.933	12.080	345792	194807	773	845	160.61- 240.92	246.21(M)
		Average of Peak Amounts =			649	823		
Decachlorobiphenyl	16.703	18.183	337059	371488	67.0	73.3		100.00(RM)
2,2',4,4',5,5'-HBB	19.143	0.000	7291	0	0.000	0.000		100.00

QC Flag Legend

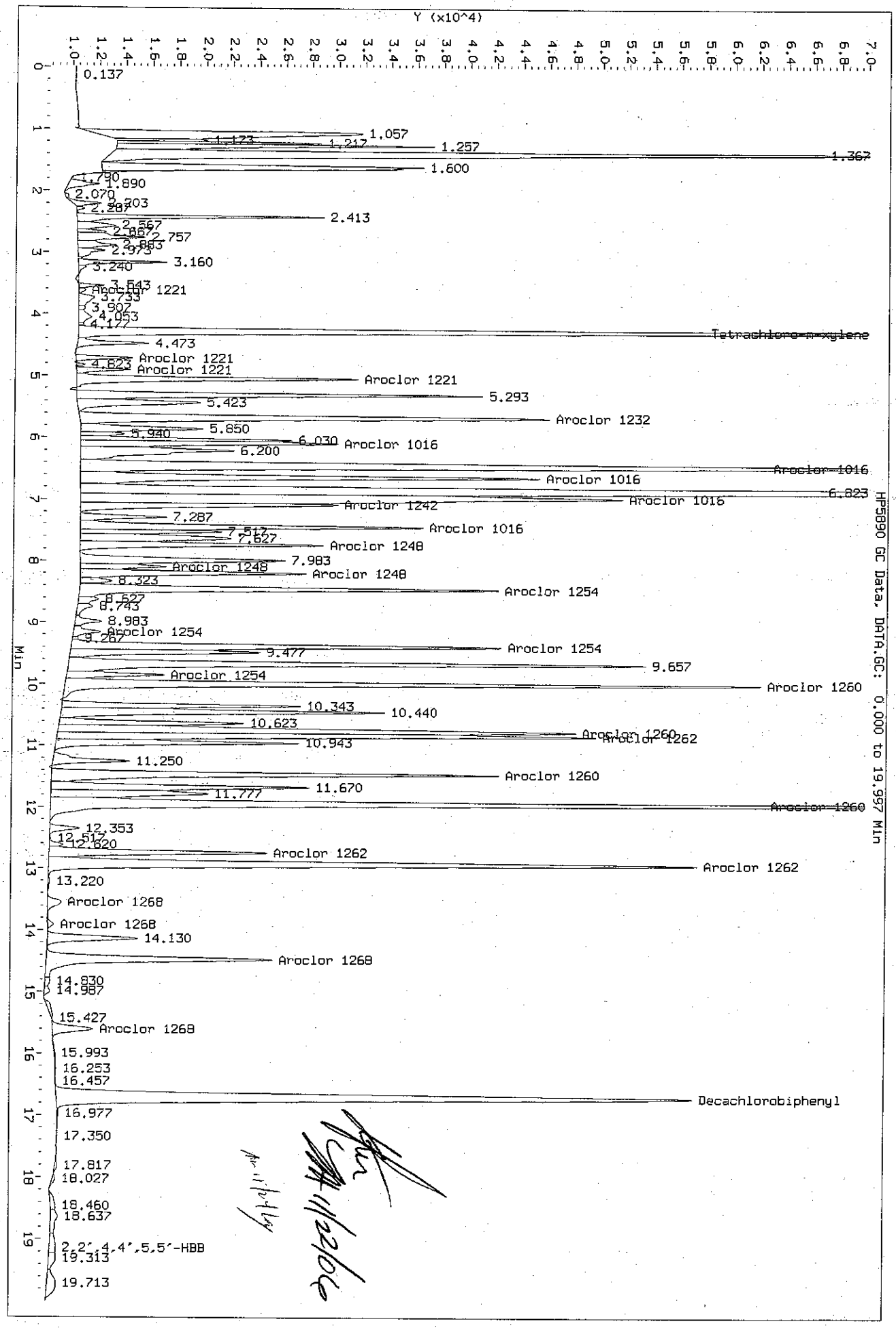
R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.


Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F020.D
Date : 21-NOV-2006 23:32
Client ID:
Sample Info: KWG0619267-2 | K0608915-002DMS | 8082 PCB
Column phase: DB-35MS
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
-Aroclor 1016
-Aroclor 1016
Aroclor 1016
-Aroclor 1016
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
Aroclor 1260
-Decachlorobiphenyl
-2,2',4,4',5,5'-HBB
\\Cash3\Acqudata\GC09\data\112106.b\1121F020.D

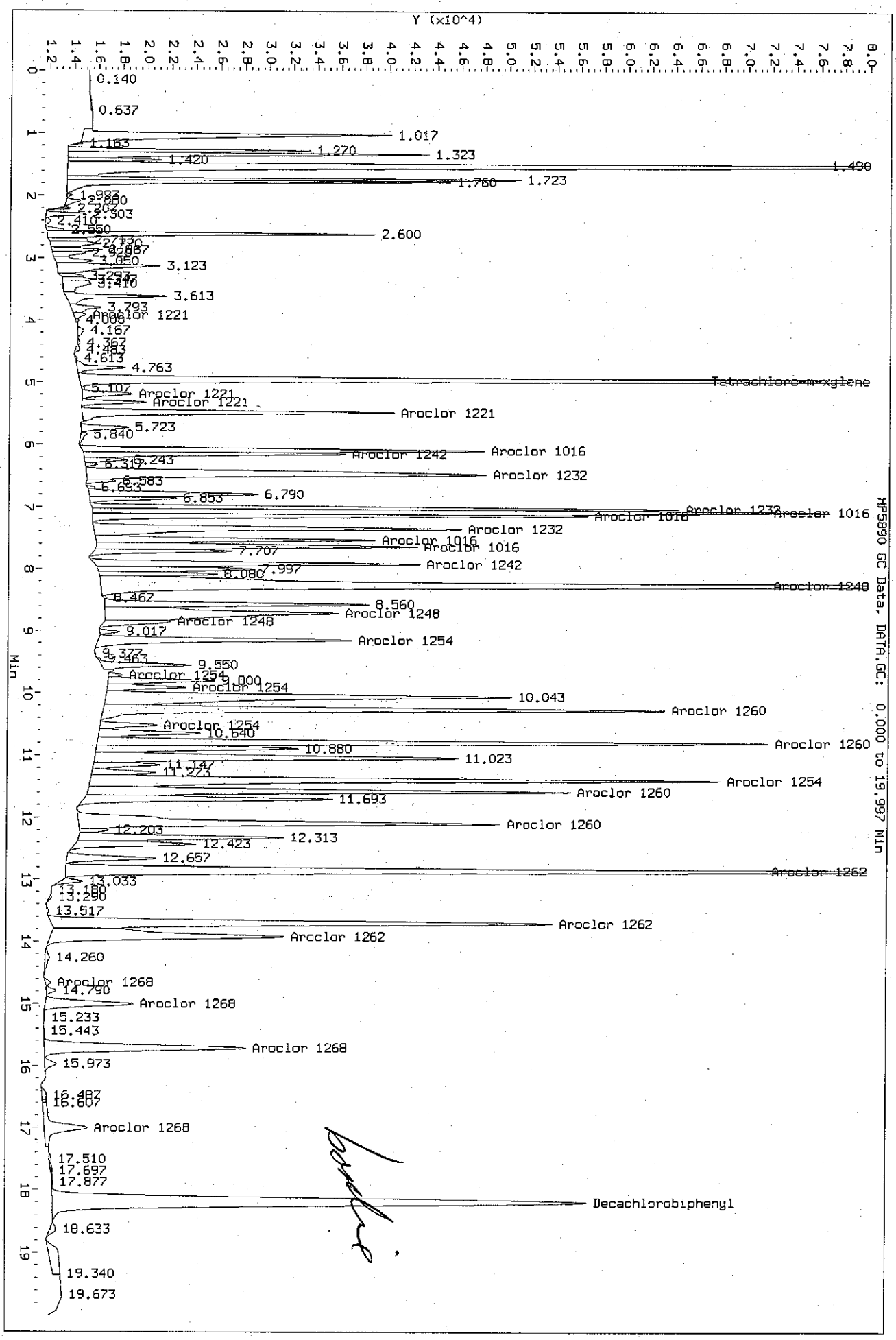

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D
Date : 21-NOV-2006 23:32
Client ID:
Sample Info: KWG0619267-2 | K0608915-002DMS | 8082 PCB
Column phase: DB-XLB
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
-Aroclor 1016
-Aroclor 1016
Aroclor 1016
-Aroclor 1016
-Aroclor 1016
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Decachlorobiphenyl
\\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D


Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F020.D
Injection Date: 21-NOV-2006 23:32
Instrument: GC09.i
Client Sample ID:
Y (x10^4)
HP5890 GC Data, DATA.GC: 0.000 to 19.997 Min
Min
0.137
1.057
1.173
1.217
1.257
1.367
1.600
1.790
1.890
2.070
2.203
2.287
2.413
2.567
2.667
2.757
2.893
2.973
3.160
3.240
3.543
Aroclor 1221
3.733
3.907
4.053
4.127
Tetrachloro-m-xylene
4.473
4.823
Aroclor 1221
Aroclor 1221
Aroclor 1221
5.293
5.423
Aroclor 1232
5.850
5.940
6.030
Aroclor 1016
6.200
Aroclor 1016
Aroclor 1016
6.823
Aroclor 1016
Aroclor 1242
7.287
Aroclor 1016
7.517
7.627
Aroclor 1248
7.983
Aroclor 1248
Aroclor 1248
8.323
Aroclor 1254
8.627
8.743
8.983
Aroclor 1254
9.267
Aroclor 1254
9.477
9.657
Aroclor 1254
Aroclor 1260
10.343
10.440
10.623
Aroclor 1260
Aroclor 1262
10.943
11.250
Aroclor 1260
11.670
11.777
Aroclor 1260
12.353
12.517
12.620
Aroclor 1262
Aroclor 1262
13.220
Aroclor 1268
Aroclor 1268
14.130
Aroclor 1268
14.830
14.987
15.427
Aroclor 1268
15.993
16.253
16.457
Decachlorobiphenyl
16.977
17.350
17.817
18.027
18.460
18.637
2,2',4,4',5,5'-HBB
19.313
19.713

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F020.D
Injection Date: 21-NOV-2006 23:32
Instrument: GC09.i
Client Sample ID:



11/22/06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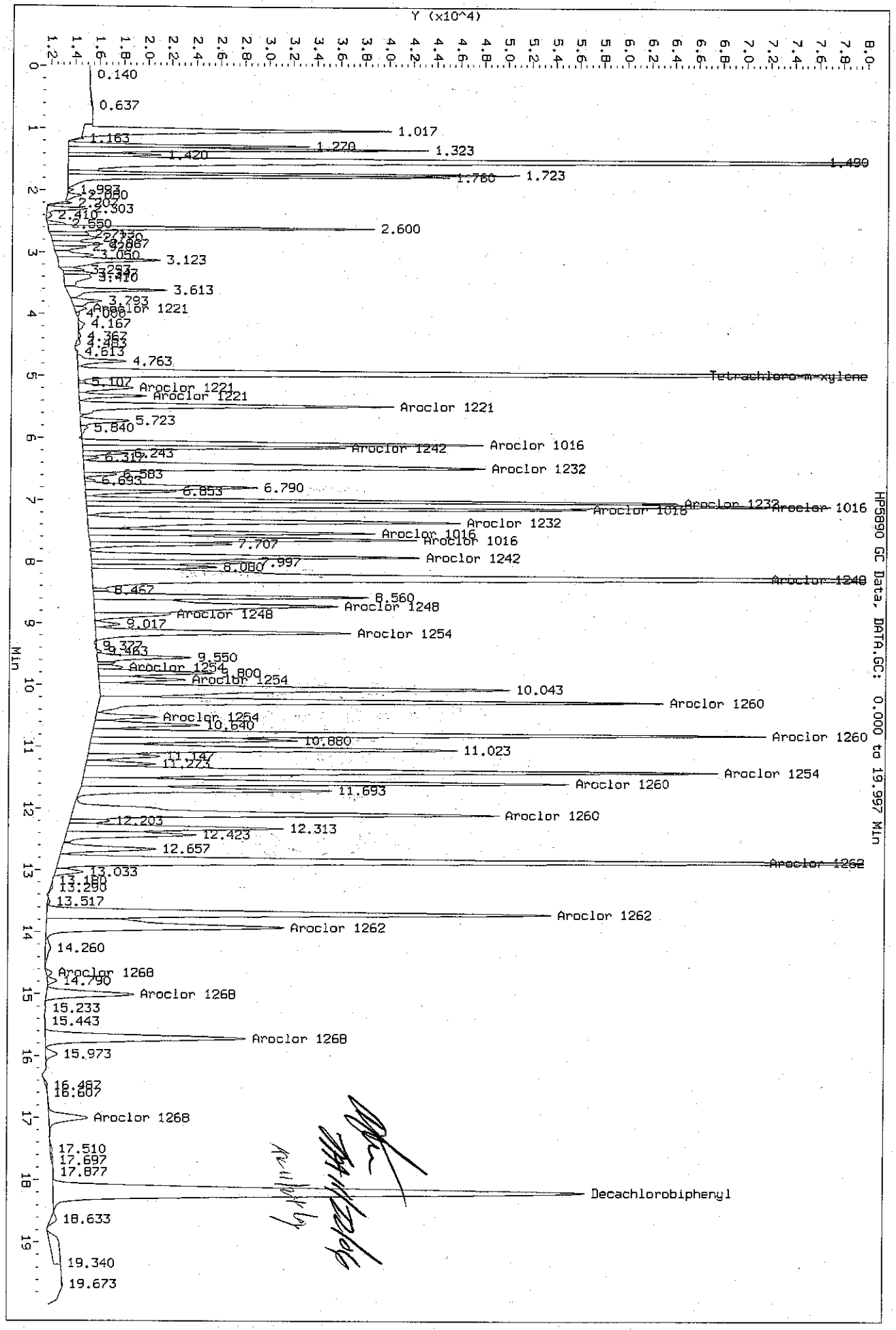
Injection Date: 21-NOV-2006 23:32
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 19.997 Min
Y (x10^4)
Min
0.140
0.637
1.017
1.163
1.270
1.323
1.420
1.490
1.760
1.723
2.600
3.123
3.613
Aroclor 1221
4.763
Tetrachloro-m-xylene
Aroclor 1221
Aroclor 1221
Aroclor 1221
5.723
5.840
Aroclor 1242
Aroclor 1016
Aroclor 1232
6.790
Aroclor 1232
Aroclor 1016
Aroclor 1016
Aroclor 1232
Aroclor 1016
Aroclor 1016
7.707
Aroclor 1242
7.997
Aroclor 1248
8.560
Aroclor 1248
Aroclor 1248
9.017
Aroclor 1254
9.550
Aroclor 1254
Aroclor 1254
10.043
Aroclor 1260
Aroclor 1254
10.640
Aroclor 1260
10.880
11.023
Aroclor 1254
Aroclor 1260
11.693
Aroclor 1260
12.203
12.313
12.423
12.657
Aroclor 1262
13.033
13.517
Aroclor 1262
Aroclor 1262
14.260
Aroclor 1268
14.790
Aroclor 1268
15.233
15.443
Aroclor 1268
15.973
16.487
16.607
Aroclor 1268
17.510
17.697
17.877
Decachlorobiphenyl
18.633
19.340
19.673


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R020.D
Injection Date: 21-NOV-2006 23:32
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 19.997 Min
Y (x10^4)
Min
Aroclor 1221
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
Decachlorobiphenyl

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608915
Project:	Alaska Salt Chuck Mine	**Date Collected:**	NA
Sample Matrix:	Animal tissue	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**Units:**	ug/Kg
Lab Code:	KWG0619267-3	**Basis:**	Wet
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**141**		10	2.4	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1221	ND	U	20	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1232	ND	U	10	1.3	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1242	ND	U	10	0.98	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1248	ND	U	10	1.6	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1254	ND	U	10	0.61	1	11/10/06	11/21/06	KWG0619267	
Aroclor 1260	**155**		10	1.9	1	11/10/06	11/21/06	KWG0619267	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	75	19-136	11/21/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F016.D
Lab ID: KWG0619267-3
RunType: LCS
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 21:54
Date Quantitated: 11/22/2006 11:36
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	33	38	125	Surrogate, SQ CON FLAG NR 11/28/06

Primary Review: 11/22/06

Secondary Review: 11/27/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R016.D
Lab ID: KWG0619267-3
RunType: LCS
Matrix: ANIMAL TISSUE

Date Acquired: 11/21/2006 21:54
Date Quantitated: 11/22/2006 11:40
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA		x
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Analyte Exceptions

Exception Categories	Analyte Name	Result	Low Limit	High Limit	Corrective Action
Surrogates	Tetrachloro-m-xylene	32	38	125	NK

Primary Review: 11/22/06

Secondary Review: 11/27/06

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	ANIMAL TISSUE
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/20/2006

Analysis Lot:	KWG0620056	**Prep Lot:**	KWG0619267	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	548430	**Prep Date:**	11/10/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:	J:\GC09\DATA\112106.B\1121F015.D	**Method ID:**	MJ376
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F016.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R016.D			**Vial:**	11
Acqu Date:	11/21/2006 21:54	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.26	4.94	321854	370724m	65.67	63.82			33*
			%Recovery =		33*	32*	Limits =	38-125	
Decachlorobiphenyl	16.70	18.18	338080	378708	67.19	74.71			75OK
			%Recovery =		67OK	75OK	Limits =	19-136	
2,2',4,4',5,5'-Hexabromobiphen	0.00		0	0		0.0000			
			%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	706.61	688.41	141	137	141
Aroclor 1016 {1}	6.08	6.08	71487m	107543m	693.96	632.15	139	126	
Aroclor 1016 {2}	6.44	7.06	323461m	227306m	653.21	652.48	130	130	
Aroclor 1016 {3}	6.63 +0.00	7.12	139920m	154700m	660.06	676.58	132	135	
Aroclor 1016 {4}	6.94 +0.01	7.52	151677m	95590m	862.63	725.01	172	145	
Aroclor 1016 {5}	7.44	7.62	97451m	111560m	663.19	755.84	132	151	
Aroclor 1221			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1232			0	0	0.0000	0.0000	1.3U	1.3U	1.3U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	1.3U	1.3U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F016.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R016.D			**Vial:**	11
Acqu Date:	11/21/2006 21:54	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** ug/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	1.3U	1.3U	
Aroclor 1242			0	0	0.0000	0.0000	0.98U	0.98U	0.98U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.98U	0.98U	
Aroclor 1248			0	0	0.0000	0.0000	1.6U	1.6U	1.6U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	1.6U	1.6U	
Aroclor 1254			0	0	0.0000	0.0000	0.61U	0.61U	0.61U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.61U	0.61U	
Aroclor 1260			0	0	623.27	775.33	124	155	155
Aroclor 1260 {1}	9.38	10.25	133768m	192446m	570.51	721.92	114	144	
Aroclor 1260 {2}	9.98 +0.00	10.78	207367m	217697m	591.19	713.73	118	142	
Aroclor 1260 {3}	10.75 +0.00	11.38	179186m	243331m	533.06	679.05	106	136	
Aroclor 1260 {4}	11.46 +0.00	11.57	147198m	170519m	676.25	945.33	135	189	
Aroclor 1260 {5}	11.93 +0.00	12.08	333393m	188278m	745.36	816.61	149	163	
Aroclor 1262			0	0	0.0000	0.0000	1.5U	1.5U	1.5U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	1.5U	1.5U	
Aroclor 1268			0	0	0.0000	0.0000	0.60U	0.60U	0.60U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.60U	0.60U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.60U	0.60U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.02 g	**Dilution:**	1.0
Prep Final Vol:	2 ml	**Unit Factor:**	1

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F016.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R016.D			**Vial:**	11
Acqu Date:	11/21/2006 21:54	**Quant Date:**	11/22/2006 11:36	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0619267-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Lab Control Spike Summary Report

Lab Control Spike Information ***ListJoinID :*** LJ2817

Data File:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F016.D	**Instrument:**	GC09.i
Lab ID:	KWG0619267-3	**Dilution:**	1
Client ID:	Lab Control Sample	**Units:**	ug/Kg
Prod Code:	8082 PCB	**Acqu Date:**	11/21/2006 21:54
Matrix:	ANIMAL TISSUE	**Quant Date:**	11/22/2006 11:36

Parameter Name	Lab Control Spike			%Rec Limits
	Result	Expected	%Rec	
Aroclor 1016	141	200	71	53-143
Aroclor 1260	155	200	78	58-138

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F016.D
Report Date: 22-Nov-2006 11:36

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F016.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R016.D
Inj Date : 21-NOV-2006 21:54
Sample Info: KWG0619267-3 | LCS | 8082 PCB | ANIMAL TISSUE
Misc Info : SEMIVOA GC\W0619267\3-LCS.H | F=2 D=1 A=10.02
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	321854	370724	65.7	63.8		100.00(R)
Aroclor 1016	6.083	6.080	71487	107543	694	632	80.00- 120.00	100.00(M)
	6.443	7.060	323461	227306	653	652	339.32- 508.98	452.48(M)
	6.627	7.117	139920	154700	660	676	148.90- 223.36	195.73(M)
	6.943	7.520	151677	95590	863	725	129.28- 193.92	212.17(M)
	7.437	7.623	97451	111560	663	756	106.78- 160.17	136.32(M)
		Average of Peak Amounts =			707	688		
Aroclor 1260	9.377	10.247	133768	192446	570	722	80.00- 120.00	100.00(M)
	9.983	10.777	207367	217697	591	714	119.45- 179.17	155.02(M)
	10.753	11.380	179186	243331	533	679	122.03- 183.05	133.95(M)
	11.457	11.567	147198	170519	676	945	77.12- 115.68	110.04(M)
	11.933	12.080	333393	188278	745	817	160.61- 240.92	249.23(M)
		Average of Peak Amounts =			623	775		
Decachlorobiphenyl	16.703	18.183	338080	378708	67.2	74.7		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

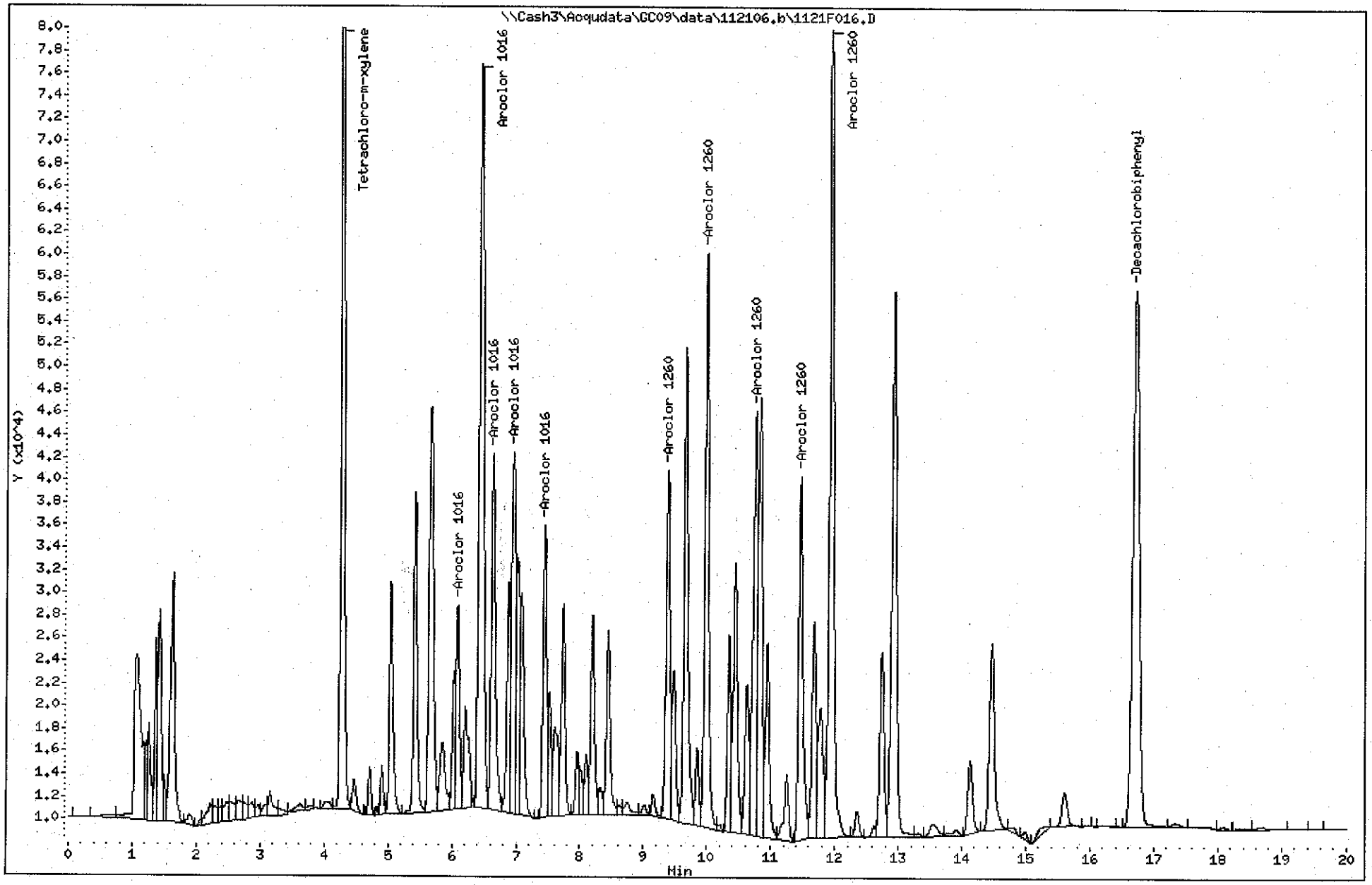
Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F016.D
Date : 21-NOV-2006 21:54
Client ID:
Sample Info: KWG0619267-3 | LCS | 8082 PCB | ANIMAL TISSUE

Instrument: GC09.i

Operator: LHarris

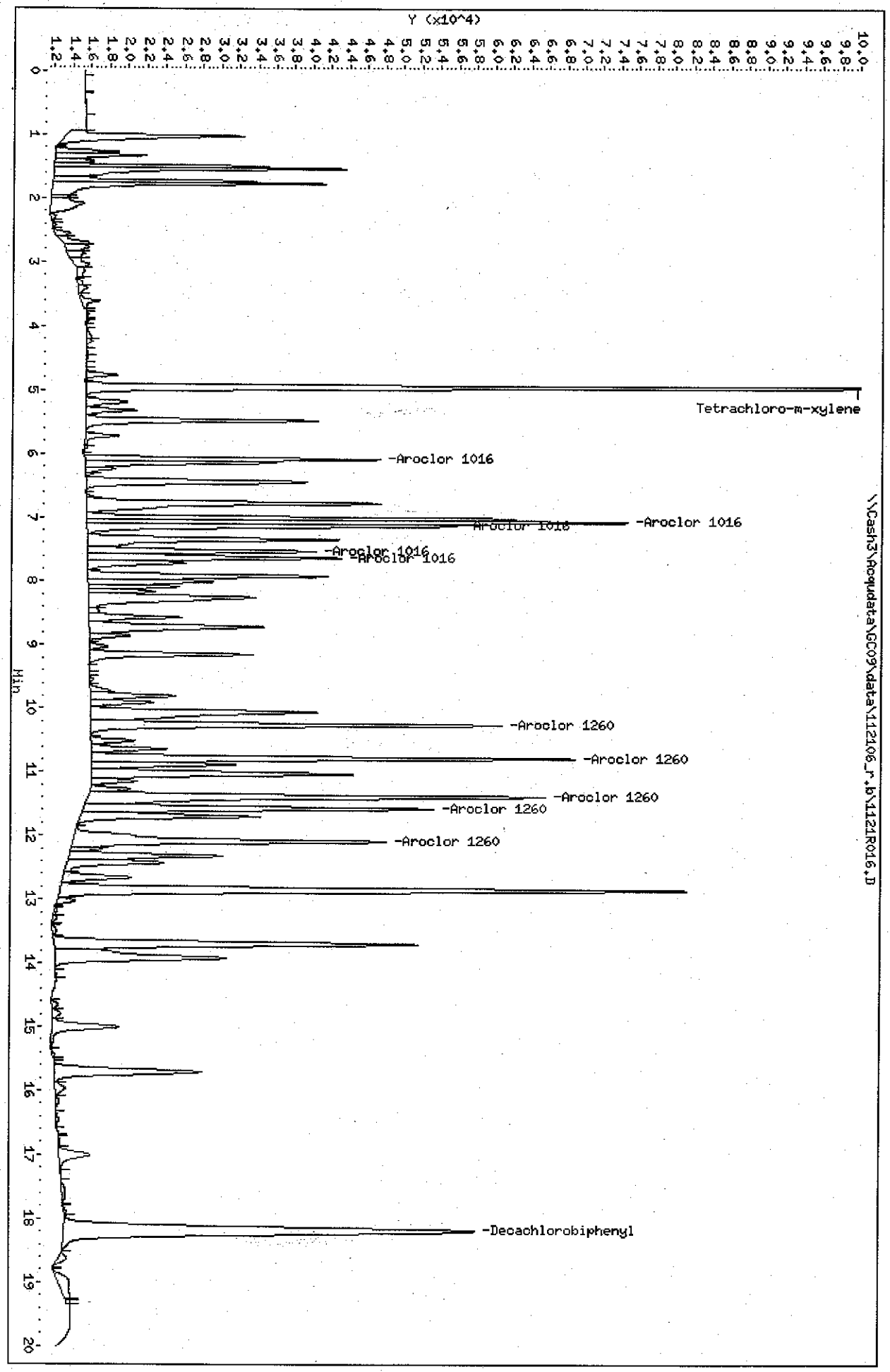
Column phase: DB-35MS

Column diameter: 0.53

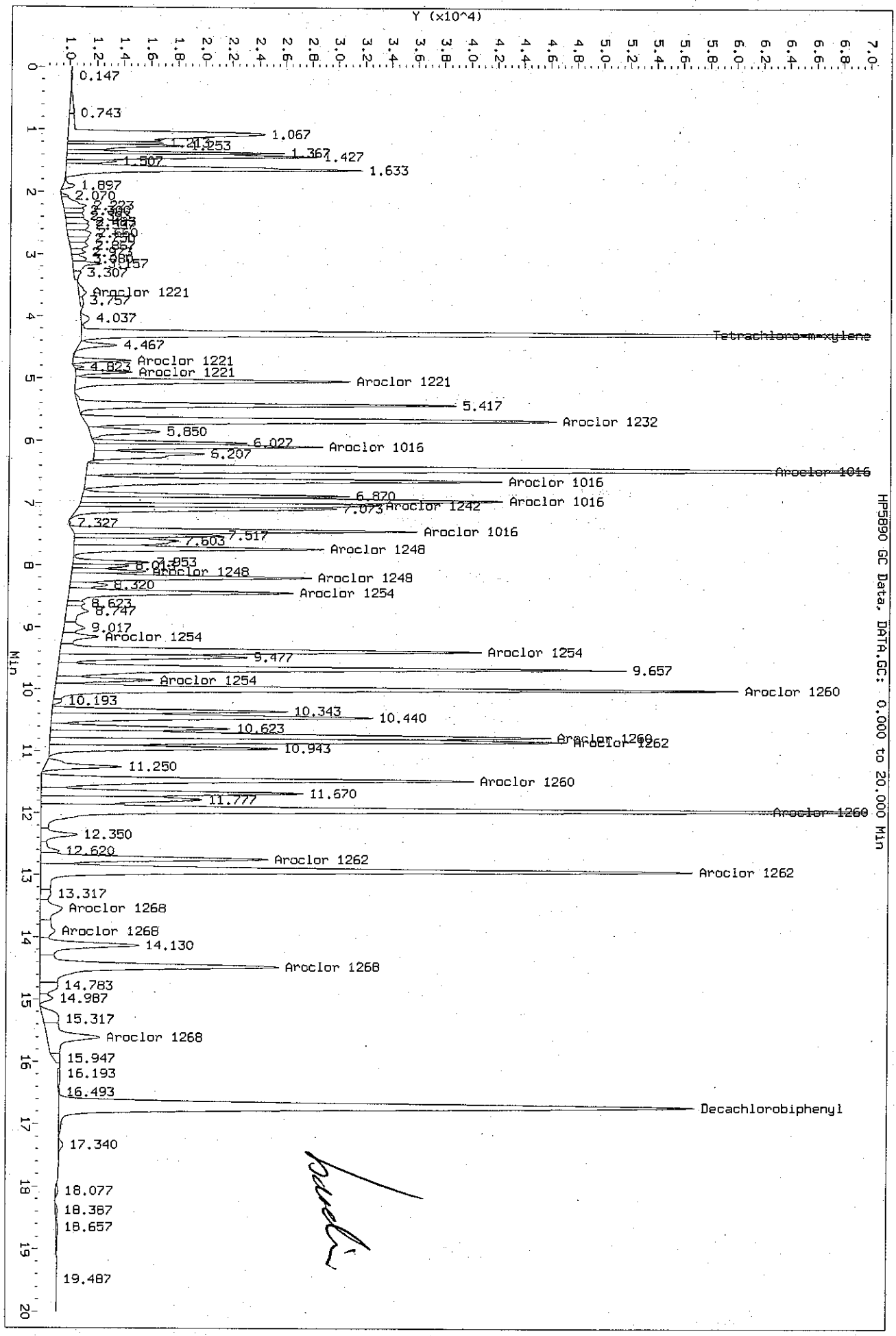


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R016.D
Date : 21-NOV-2006 21:54
Client ID:
Sample Info: KWG0619267-3 | LCS | 8082 PCB | ANIMAL TISSUE
Column phase: DB-XLB

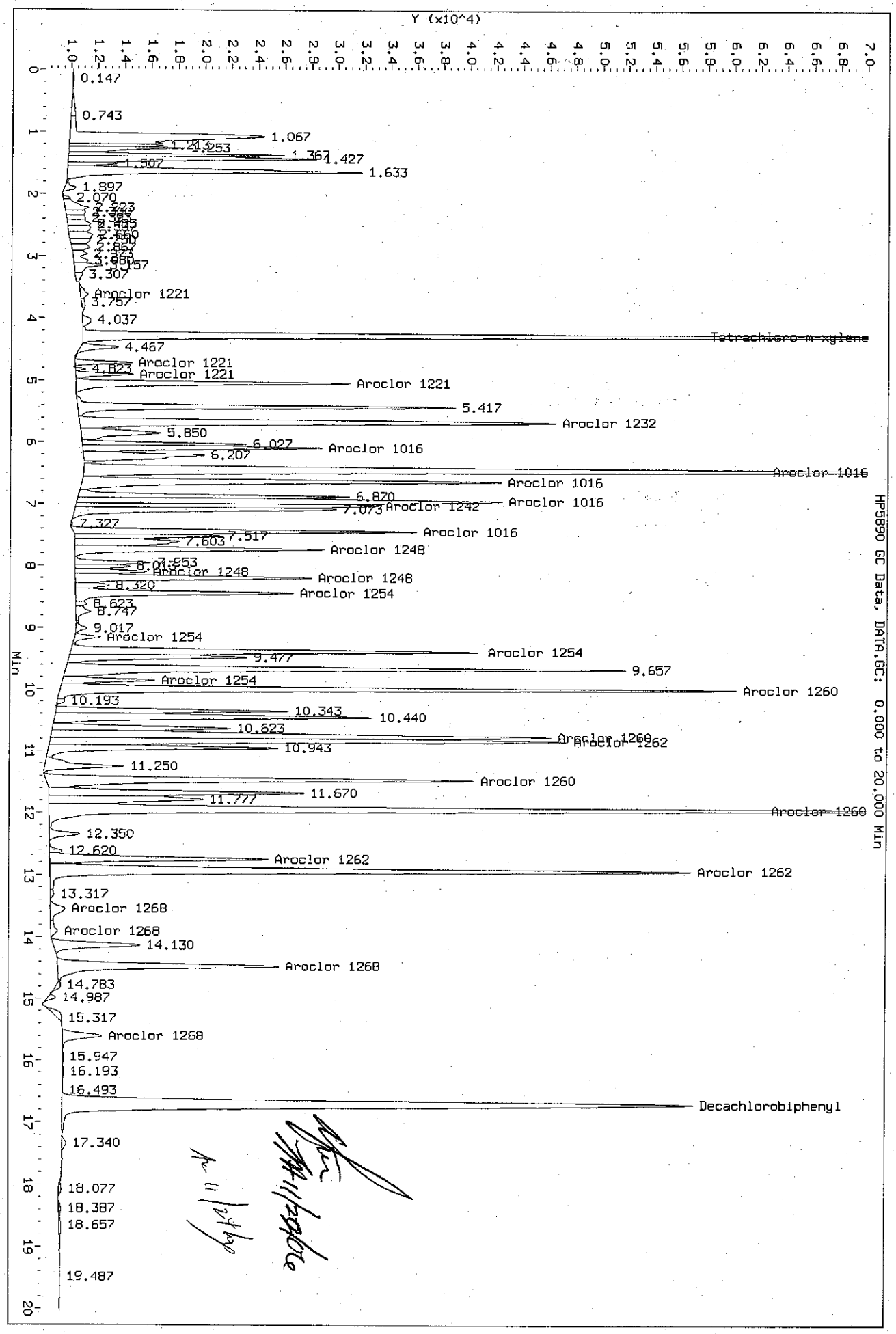
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

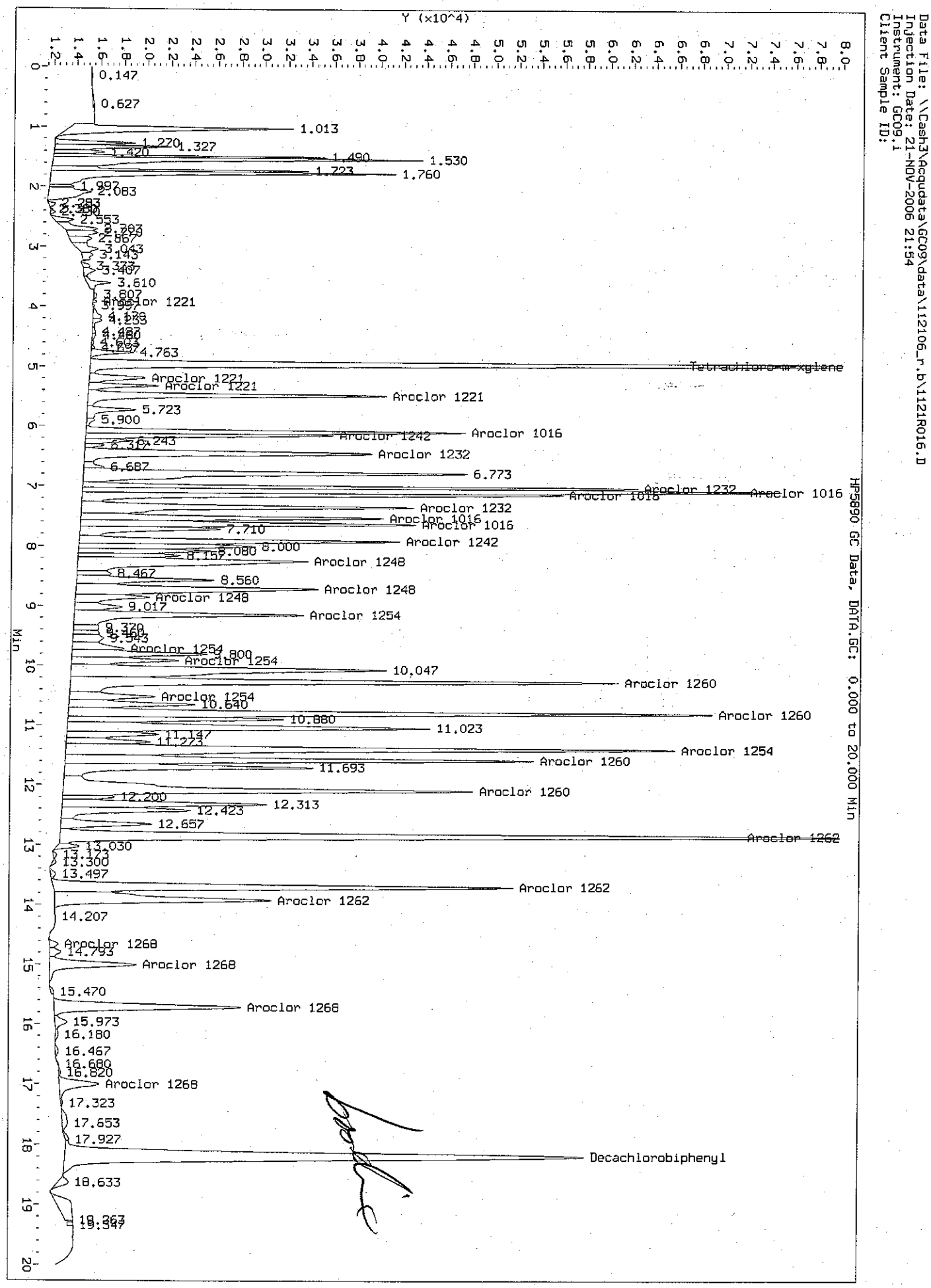


Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F016.D
Injection Date: 21-NOV-2006 21:54
Instrument: GC09.i
Client Sample ID:

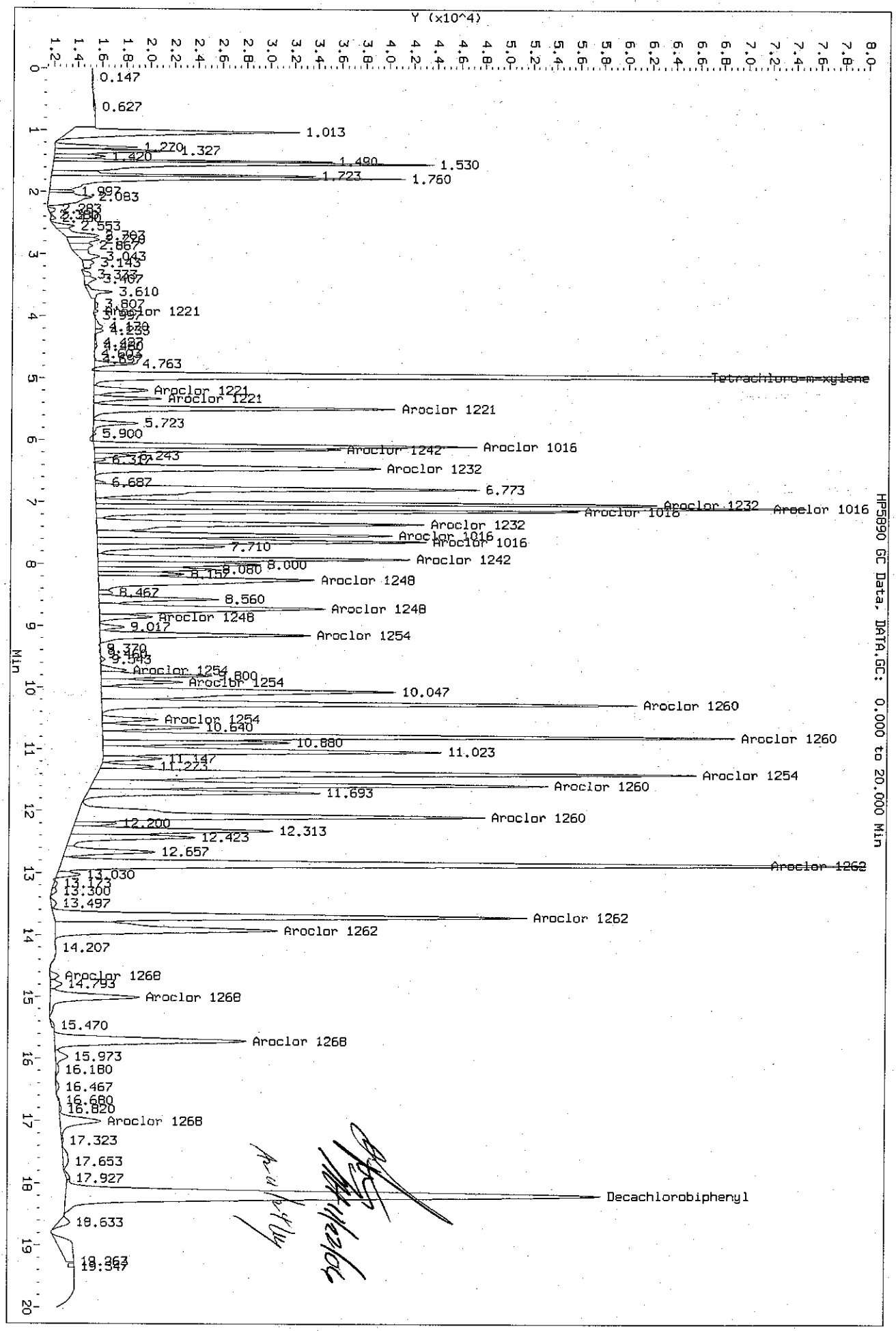


Data File: \\Cash3\Acpudata\GC09\data\112106.b\1121F016.D
Injection Date: 21-NOV-2006 21:54
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acquadata\GC09\data\112106_r.b\1121R016.D
Injection Date: 21-NOV-2006 21:54
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC; 0.000 to 20.000 Min
Y (x10^4)
Min
Aroclor 1221
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1232
Aroclor 1242
Aroclor 1248
Aroclor 1254
Aroclor 1260
Aroclor 1262
Aroclor 1268
Decachlorobiphenyl

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R016.D
Injection Date: 21-NOV-2006 21:54
Instrument: GC09.i
Client Sample ID:



Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\110106.b\1101F005.D	H	\\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
B	\\Cash3\Acqudata\GC09\data\110106.b\1101F009.D	I	\\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
C	\\Cash3\Acqudata\GC09\data\110106.b\1101F013.D	J	\\Cash3\Acqudata\GC09\data\110106.b\1101F033.D
D	\\Cash3\Acqudata\GC09\data\110106.b\1101F017.D	K	\\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
E	\\Cash3\Acqudata\GC09\data\110106.b\1101F021.D	L	\\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
F	\\Cash3\Acqudata\GC09\data\110106.b\1101F025.D	M	\\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
G	\\Cash3\Acqudata\GC09\data\110106.b\1101F029.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl															
							H	2.5	5270	I	5.0	5500	J	50	5370
	K	100	5080	L	200	4820	M	500	4160						
Aroclor 1016 {1}															
							H	25	100	I	50	110	J	500	116
	K	1000	107	L	2000	98.8	M	5000	86.0						
Aroclor 1016 {2}															
							H	25	580	I	50	599	J	500	530
	K	1000	480	L	2000	429	M	5000	354						
Aroclor 1016 {3}															
							H	25	245	I	50	239	J	500	228
	K	1000	211	L	2000	190	M	5000	159						
Aroclor 1016 {4}															
							H	25	177	I	50	206	J	500	196
	K	1000	175	L	2000	164	M	5000	137						
Aroclor 1016 {5}															
							H	25	149	I	50	170	J	500	164
	K	1000	151	L	2000	135	M	5000	114						
Aroclor 1260 {1}															
							H	25	269	I	50	275	J	500	249
	K	1000	229	L	2000	208	M	5000	177						
Aroclor 1260 {2}															
							H	25	397	I	50	396	J	500	381
	K	1000	346	L	2000	317	M	5000	267						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}															
							H	25	288	I	50	345	J	500	380
	K	1000	357	L	2000	346	M	5000	301						
Aroclor 1260 {4}															
							H	25	216	I	50	226	J	500	235
	K	1000	224	L	2000	215	M	5000	190						
Aroclor 1260 {5}															
							H	25	388	I	50	428	J	500	510
	K	1000	485	L	2000	464	M	5000	409						

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	9.7		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	10.1		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	18.9		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	15.5		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	13.9		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	13.9		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	16.0		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	14.7		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	10.3		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	7.1		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	10.5		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006
Date Analyzed: 11/02/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5763
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F038.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F042.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F043.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F044.D
\\Cash3\Acqudata\GC09\data\110106.b\1101F045.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	930	NA	NA	NA	7	± 15 %	NA
Aroclor 1016 {1}	1000	1000	103	103	0	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	890	495	442	-11	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	910	212	193	-9	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	890	176	157	-11	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	950	147	140	-5	NA	± 100 %	AverageRF
Aroclor 1260	1000	960	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	850	234	199	-15	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	910	351	318	-9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	870	336	291	-13	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	218	227	4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	447	505	13	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R005.D	H	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R031.D
B	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R009.D	I	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D
C	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R013.D	J	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R033.D
D	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R017.D	K	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R034.D
E	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R021.D	L	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R035.D
F	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R025.D	M	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R036.D
G	\\Cash3\Acqudata\GC09\data\110106_r.b\1101R029.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl															
							H	2.5	5360	I	5.0	5600	J	50	5390
	K	100	5100	L	200	4820	M	500	4150						
Aroclor 1016 {1}															
							H	25	204	I	50	205	J	500	181
	K	1000	164	L	2000	146	M	5000	121						
Aroclor 1016 {2}															
							H	25	413	I	50	430	J	500	356
	K	1000	331	L	2000	301	M	5000	259						
Aroclor 1016 {3}															
							H	25	258	I	50	268	J	500	242
	K	1000	224	L	2000	208	M	5000	171						
Aroclor 1016 {4}															
							H	25	128	I	50	149	J	500	150
	K	1000	136	L	2000	124	M	5000	105						
Aroclor 1016 {5}															
							H	25	133	I	50	166	J	500	167
	K	1000	155	L	2000	143	M	5000	121						
Aroclor 1260 {1}															
							H	25	286	I	50	295	J	500	296
	K	1000	266	L	2000	246	M	5000	211						
Aroclor 1260 {2}															
							H	25	330	I	50	358	J	500	329
	K	1000	298	L	2000	277	M	5000	238						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}															
							H	25	333	I	50	345	J	500	403
	K	1000	381	L	2000	365	M	5000	323						
Aroclor 1260 {4}															
							H	25	153	I	50	160	J	500	212
	K	1000	200	L	2000	191	M	5000	166						
Aroclor 1260 {5}															
							H	25	225	I	50	229	J	500	246
	K	1000	239	L	2000	234	M	5000	211						

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5763
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	10.3		≤20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	19.6		≤20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	18.8		≤20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	15.6		≤20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	12.8		≤20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	12.5		≤20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	12.6		≤20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	14.2		≤20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	8.5		≤20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	13.3		≤20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	5.3		≤20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Calibration Date: 11/01/2006
Date Analyzed: 11/02/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5763
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R037.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R038.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R039.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R040.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R041.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R042.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R043.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R044.D
\\Cash3\Acqudata\GC09\data\110106_r.b\1101R045.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	920	NA	NA	NA	8	± 15 %	NA
Aroclor 1016 {1}	1000	910	170	154	-9	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	890	348	311	-11	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	900	229	207	-10	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	940	132	123	-6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	970	148	143	-3	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	1	± 15 %	NA
Aroclor 1260 {1}	1000	930	267	248	-7	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	910	305	277	-9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	890	358	320	-11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	180	217	20	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	231	239	4	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

Sequence Name: D:\GC09\SEQUENCE\110106.S
Comment:
Operator: LHarris
Data Path: D:\GC09\DATA\110106.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

8082
ICAL 5763

Line	Type	Vial	DataFile	Method	Sample Name
1	DeleteGC				
2	MaskName - ----r---				
3	IB	1	1101F001	PCB1	IB
4	IB	2	1101F002	PCB1	IB
5	ICAL	3	1101F003	PCB1	1221 @ 50ppb | PCB4-77R | KWG0605028-
6	ICAL	4	1101F004	PCB1	1221 @ 500ppb | PCB4-77S | KWG0605028
7	ICAL	5	1101F005	PCB1	1221 @ 1000ppb | PCB4-76C | KWG060502
8	ICAL	6	1101F006	PCB1	1221 @ 2000ppb | PCB4-77T | KWG060502
9	ICAL	7	1101F007	PCB1	1232 @ 50ppb | PCB4-78A | KWG0605028-
10	ICAL	8	1101F008	PCB1	1232 @ 500ppb | PCB4-78B | KWG0605028
11	ICAL	9	1101F009	PCB1	1232 @ 1000ppb | PCB4-76B | KWG060502
12	ICAL	10	1101F010	PCB1	1232 @ 2000ppb | PCB4-78C | KWG060502
13	ICAL	11	1101F011	PCB1	1242 @ 50ppb | PCB4-78D | KWG0605028-
14	ICAL	12	1101F012	PCB1	1242 @ 500ppb | PCB4-78E | KWG0605028
15	ICAL	13	1101F013	PCB1	1242 @ 1000ppb | PCB4-76D | KWG060502
16	ICAL	14	1101F014	PCB1	1242 @ 2000ppb | PCB4-78F | KWG060502
17	ICAL	15	1101F015	PCB1	1248 @ 50ppb | PCB4-78G | KWG0605028-
18	ICAL	16	1101F016	PCB1	1248 @ 500ppb | PCB4-78H | KWG0605028
19	ICAL	17	1101F017	PCB1	1248 @ 1000ppb | PCB4-76E | KWG060502
20	ICAL	18	1101F018	PCB1	1248 @ 2000ppb | PCB4-78I | KWG060502
21	ICAL	19	1101F019	PCB1	1254 @ 50ppb | PCB4-78J | KWG0605028-
22	ICAL	20	1101F020	PCB1	1254 @ 500ppb | PCB4-78K | KWG0605028
23	ICAL	21	1101F021	PCB1	1254 @ 1000ppb | PCB4-76F | KWG060502
24	ICAL	22	1101F022	PCB1	1254 @ 2000ppb | PCB4-78L | KWG060502
25	ICAL	23	1101F023	PCB1	1262 @ 50ppb | PCB4-78M | KWG0605028-
26	ICAL	24	1101F024	PCB1	1262 @ 500ppb | PCB4-78N | KWG0605028
27	ICAL	25	1101F025	PCB1	1262 @ 1000ppb | PCB4-76G | KWG060502
28	ICAL	26	1101F026	PCB1	1262 @ 2000ppb | PCB4-78O | KWG060502
29	ICAL	27	1101F027	PCB1	1268 @ 50ppb | PCB4-78P | KWG0605028-
30	ICAL	28	1101F028	PCB1	1268 @ 500ppb | PCB4-78Q | KWG0605028
31	ICAL	29	1101F029	PCB1	1268 @ 1000ppb | PCB4-76H | KWG060502
32	ICAL	30	1101F030	PCB1	1268 @ 2000ppb | PCB4-78R | KWG060502
33	ICAL	31	1101F031	PCB1	1660 @ 25ppb | PCB4-80B | KWG0605028-
34	ICAL	32	1101F032	PCB1	1660 @ 50ppb | PCB4-80C | KWG0605028-
35	ICAL	33	1101F033	PCB1	1660 @ 500ppb | PCB4-80D | KWG0605028
36	ICAL	34	1101F034	PCB1	1660 @ 1000ppb | PCB4-80E | KWG060502
37	ICAL	35	1101F035	PCB1	1660 @ 2000ppb | PCB4-79E | KWG060502
38	ICAL	36	1101F036	PCB1	1660 @ 5000ppb | PCB4-79F | KWG060502
39	ICV	37	1101F037	PCB1	1016 @ 1000ppb | PCB4-76P | KWG060502
40	ICV	38	1101F038	PCB1	1221 @ 1000ppb | PCB4-76Q | KWG060502
41	ICV	39	1101F039	PCB1	1232 @ 1000ppb | PCB4-76R | KWG060502
42	ICV	40	1101F040	PCB1	1242 @ 1000ppb | PCB4-76S | KWG060502
43	ICV	41	1101F041	PCB1	1248 @ 1000ppb | PCB4-76T | KWG060502

Sequence Name: D:\GC09\SEQUENCE\110106.S

Line	Type	Vial	DataFile	Method	Sample Name		
44	ICV	42	1101F042	PCB1	1254 @ 1000ppb	PCB4-77A	KWG060502
45	ICV	43	1101F043	PCB1	1260 @ 1000ppb	PCB4-77B	KWG060502
46	ICV	44	1101F044	PCB1	1262 @ 1000ppb	PCB4-77C	KWG060502
47	ICV	45	1101F045	PCB1	1268 @ 1000ppb	PCB4-77D	KWG060502
48	IB	2	1101F046	PCB1	IB		
49	CCV	33	1101F047	PCB1	1660 @ 500ppb	PCB4-80D	
50							

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F002.D
Report Date: 02-Nov-2006 14:45

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F002.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R002.D
Inj Date : 01-NOV-2006 11:59
Sample Info: IB
Misc Info : SEMIVOA GC\W0605028\2-IB.H
Cal Date : 02-NOV-2006 11:23
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

11-3-06

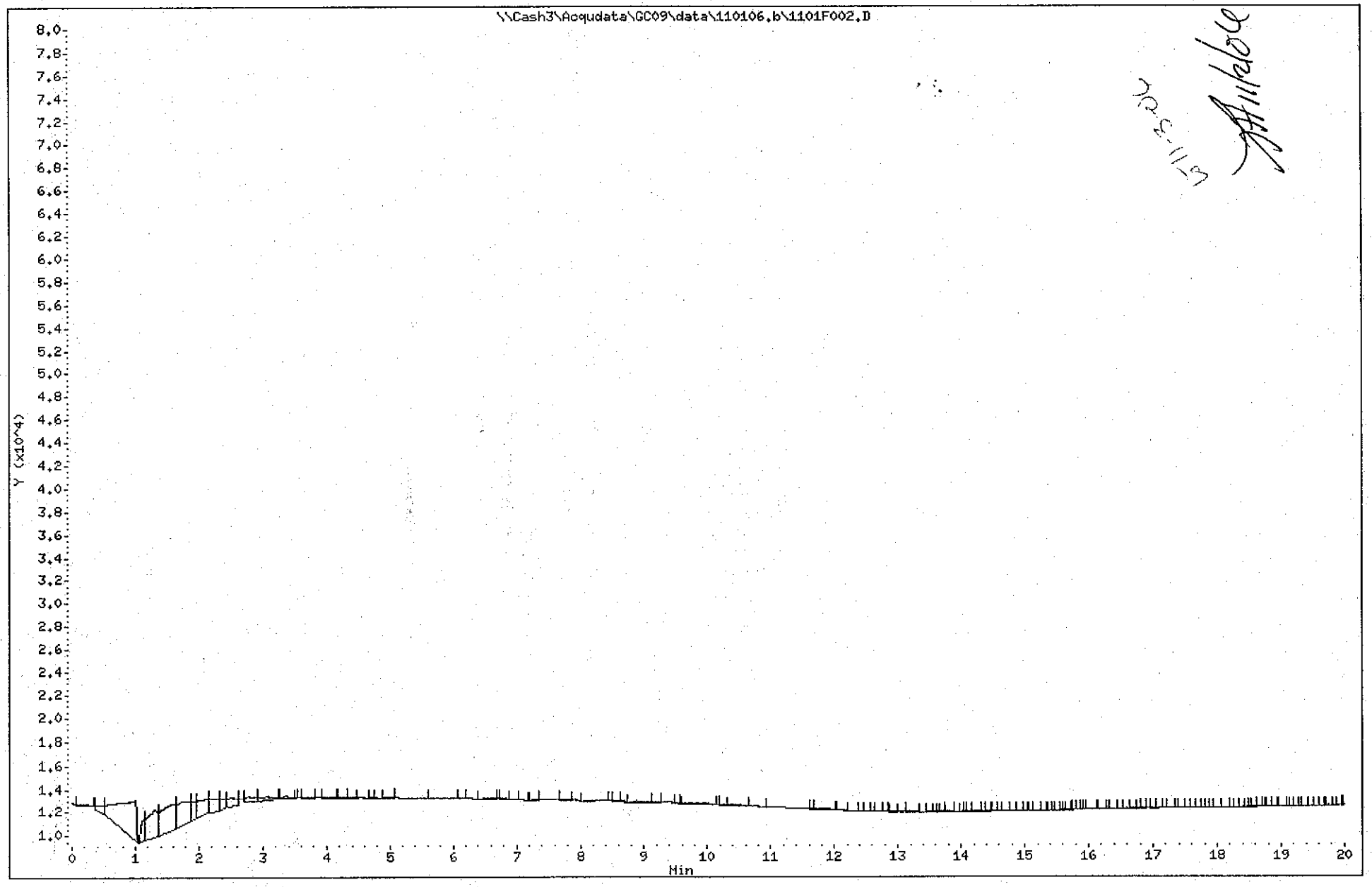
11/30/06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F002.D
Date : 01-NOV-2006 11:59
Client ID:
Sample Info: IB

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

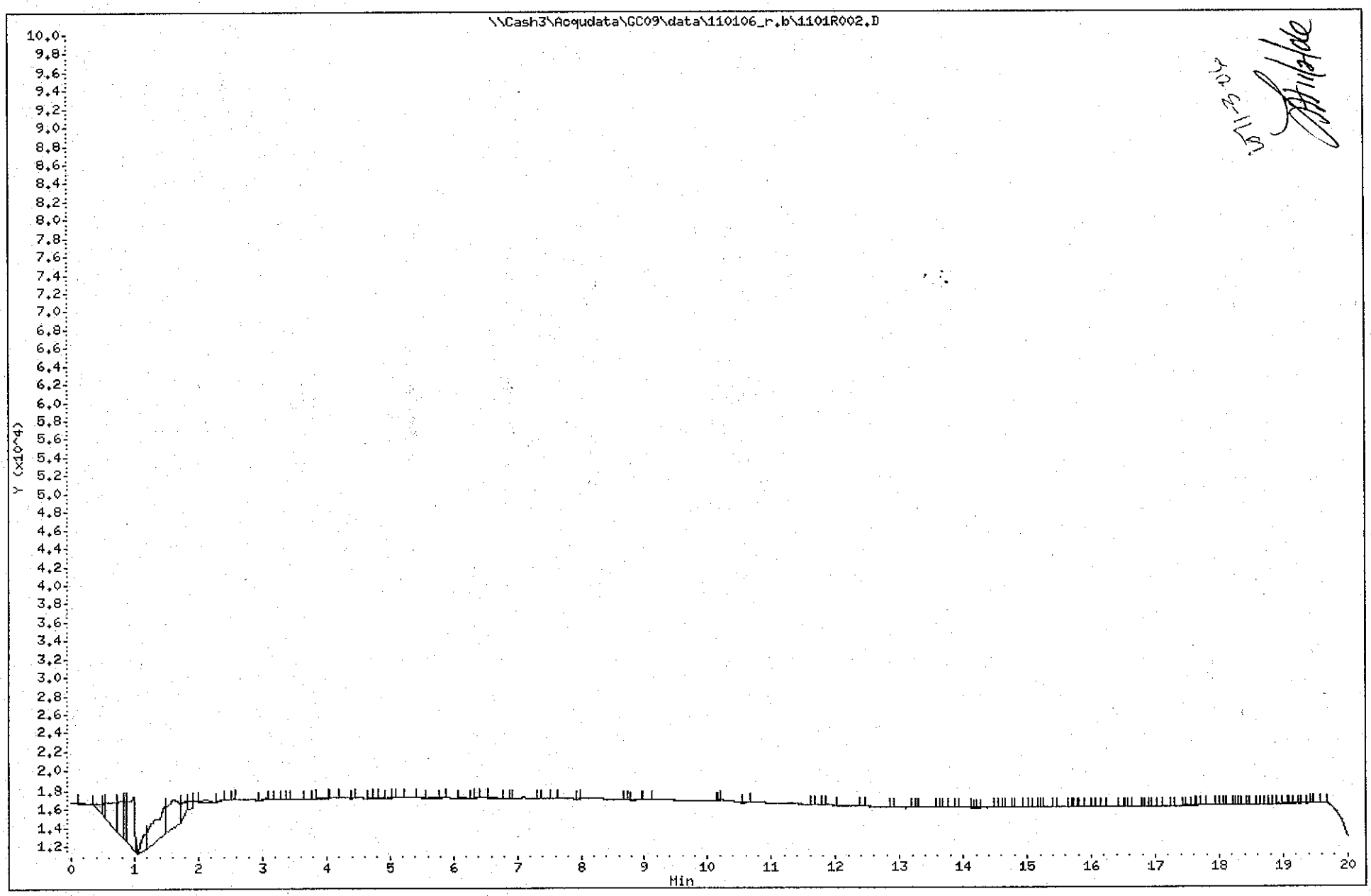


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R002.D
Date : 01-NOV-2006 11:59
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F005.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F005.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R005.D
Inj Date : 01-NOV-2006 13:13
Sample Info: 1221 @ 1000ppb | PCB4-76C | KWG0605028-5
Misc Info : SEMIVOA GC\W0605028\5-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1221.SUB
Sub List #2 : AR1221.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.617	3.923	42152	44830	1000	1000	80.00- 120.00	100.00(M)
	4.713	5.193	62597	74911	1000	1000	118.80- 178.20	148.50(M)
	4.897	5.320	42457	49482	1000	1000	80.58- 120.87	100.72(M)
	5.033	5.470	149873	165262	1000	1000	284.44- 426.66	355.55(M)
		Average of Peak Amounts =			1000	1000		

QC Flag Legend

M - Compound response manually integrated.

V11-3-06

11/2/06

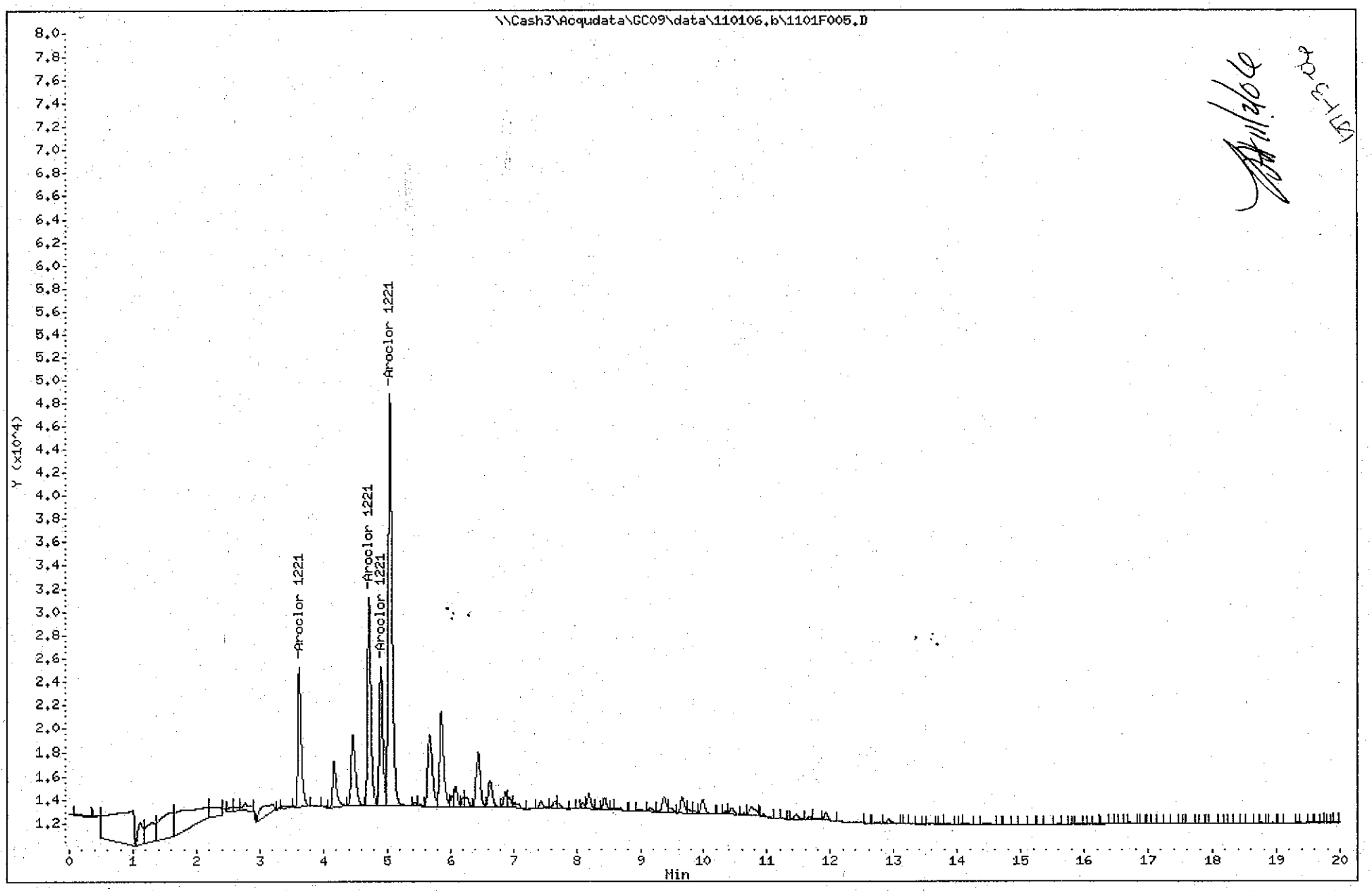
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F005.D
Date : 01-NOV-2006 13:13
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76C | KWG0605028-5

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



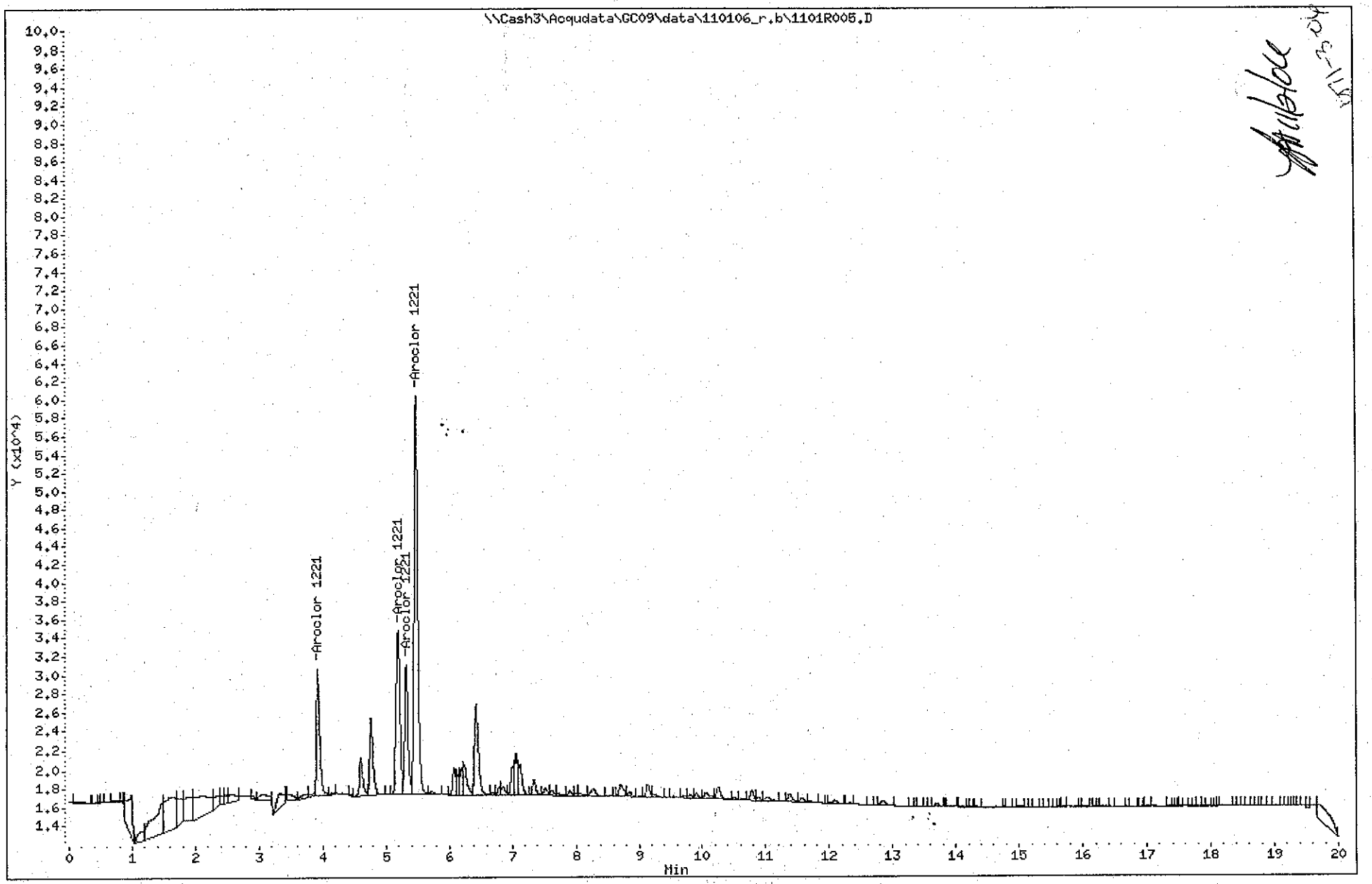
11/2/06

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R005.D
Date : 01-NOV-2006 13:13
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76C | KWG0605028-5

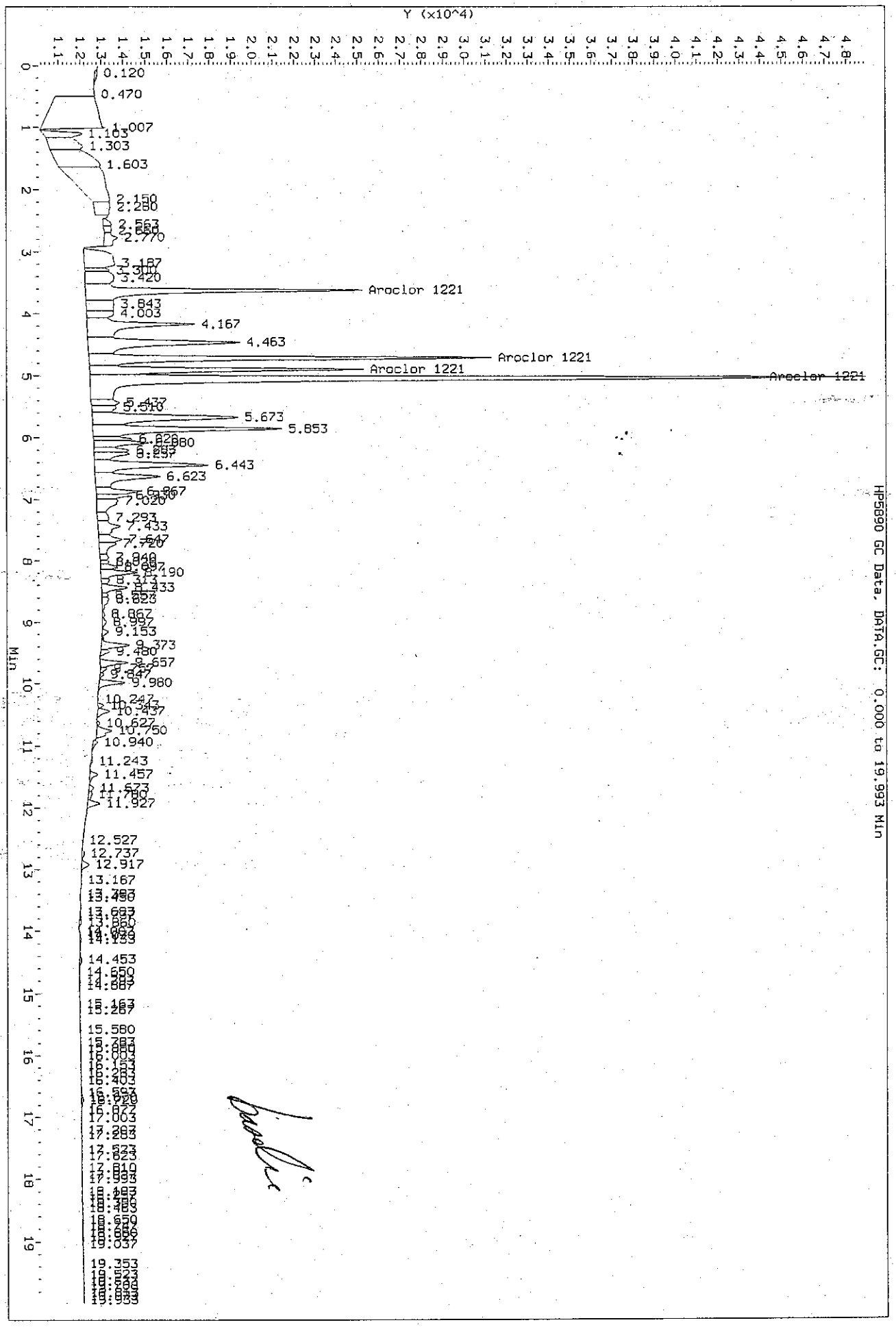
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB

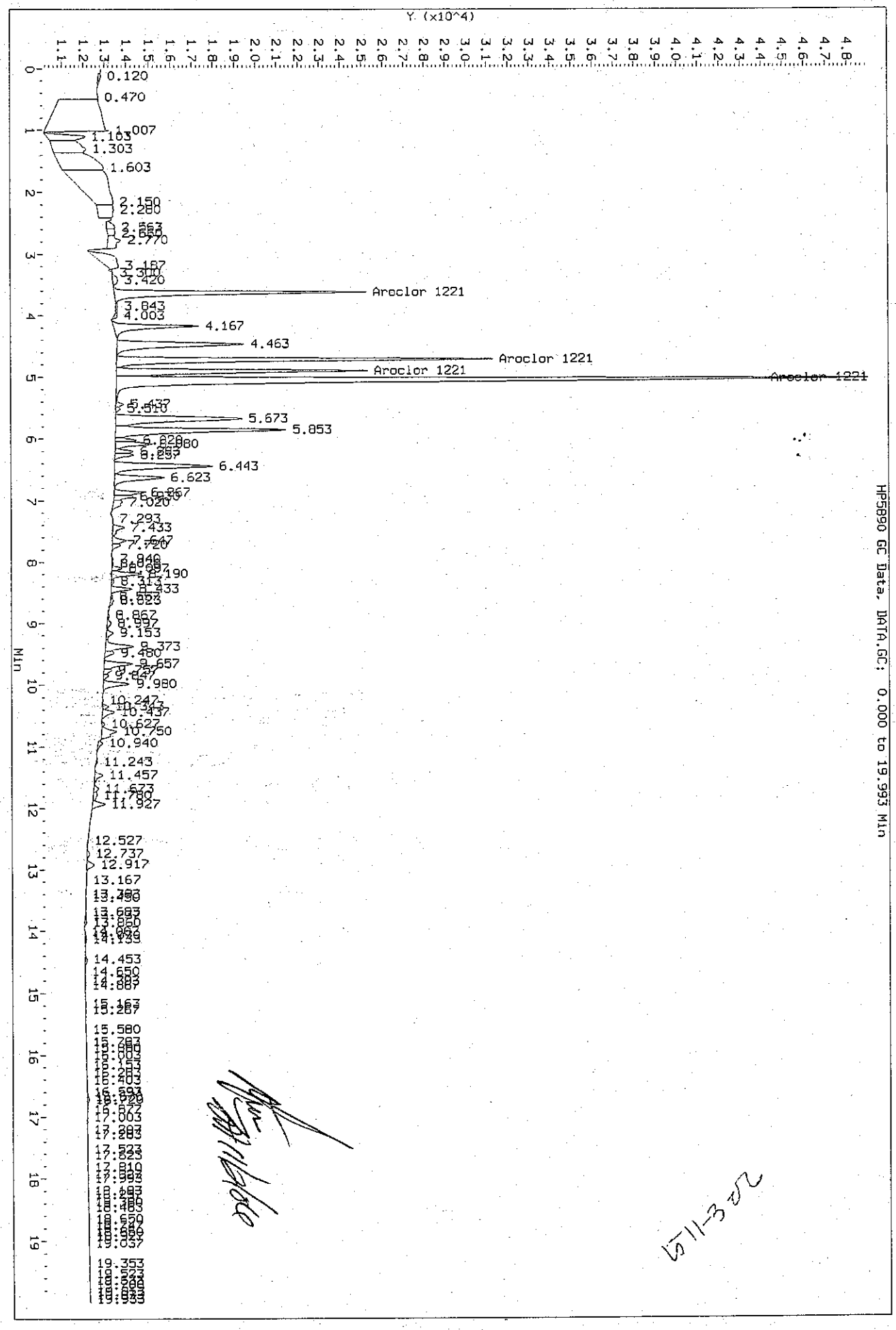


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F005.D
Injection Date: 01-NOV-2006 13:13
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 19.993 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F005.D
Injection Date: 01-NOV-2006 13:13
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC; 0.000 to 19.993 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F009.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F009.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R009.D
Inj Date : 01-NOV-2006 14:50
Sample Info: 1232 @ 1000ppb | PCB4-76B | KWG0605028-9
Misc Info : SEMIVOA GC\W0605028\9-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1232.SUB
Sub List #2 : AR1232.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	5.033	5.470	123846	138899	1000	1000	80.00- 120.00	100.00(M)
	5.660	6.430	114065	89616	1000	1000	73.68- 110.52	92.10(M)
	6.440	7.007	207227	81997	1000	1000	133.86- 200.79	167.33(M)
	6.623	7.337	89309	67384	1000	1000	57.69- 86.54	72.11(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

11/2/06
VT11-306

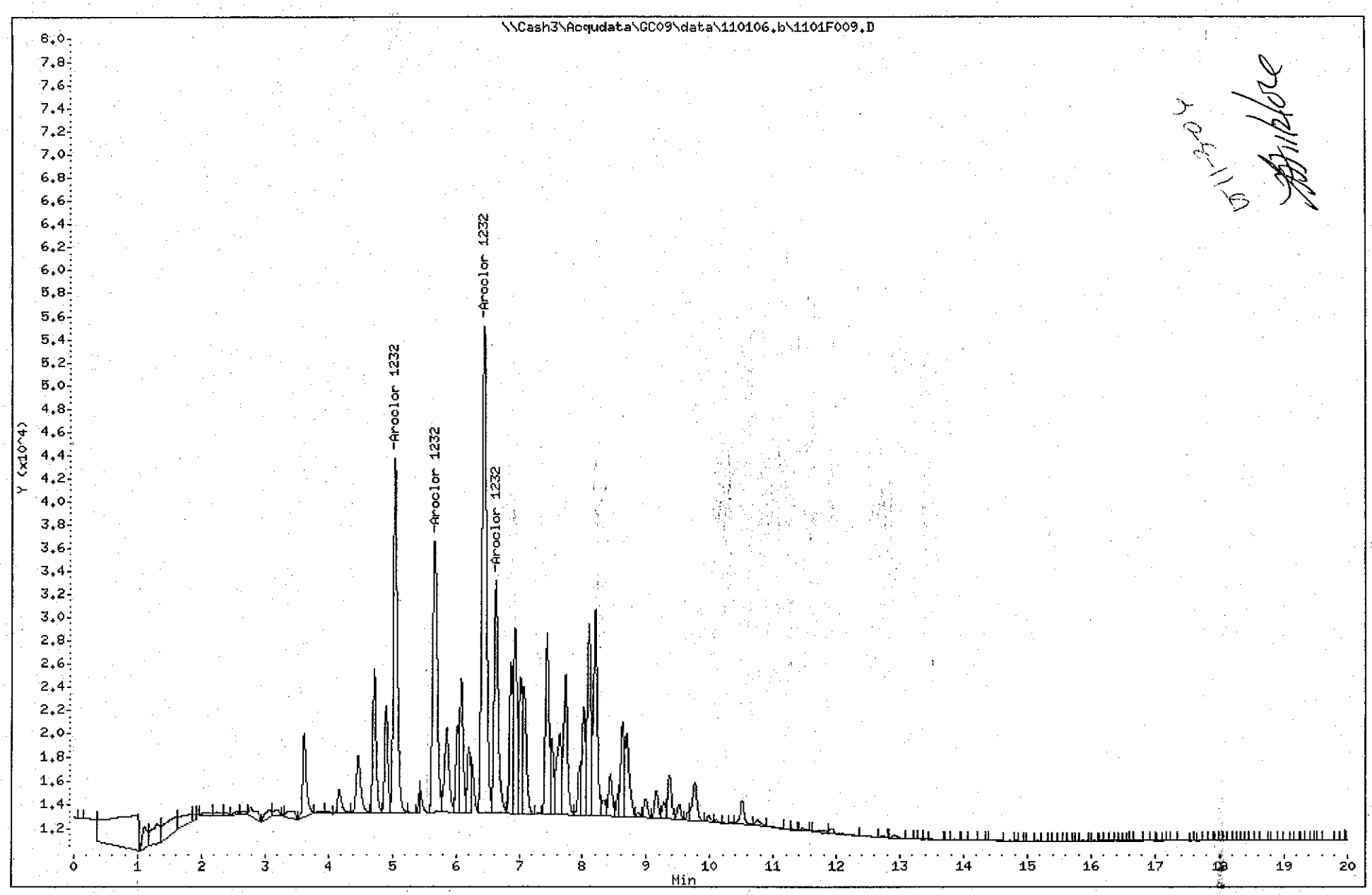
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F009.D
Date : 01-NOV-2006 14:50
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76B | KWG0605028-9

Instrument: GC09.i

Operator: LNarris

Column phase: DB-35MS

Column diameter: 0.53

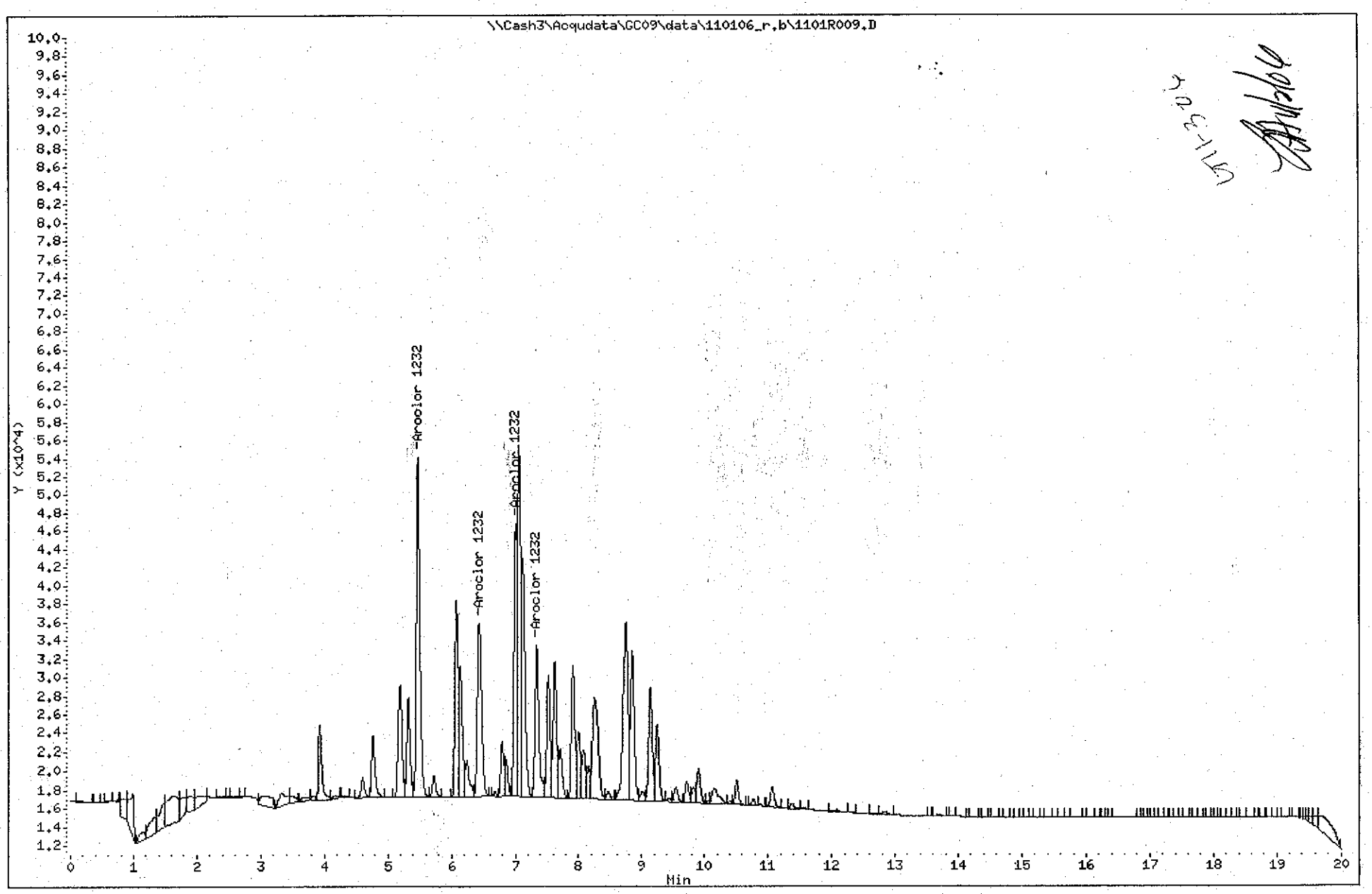


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R009.D
Date : 01-NOV-2006 14:50
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76B | KWG0605028-9

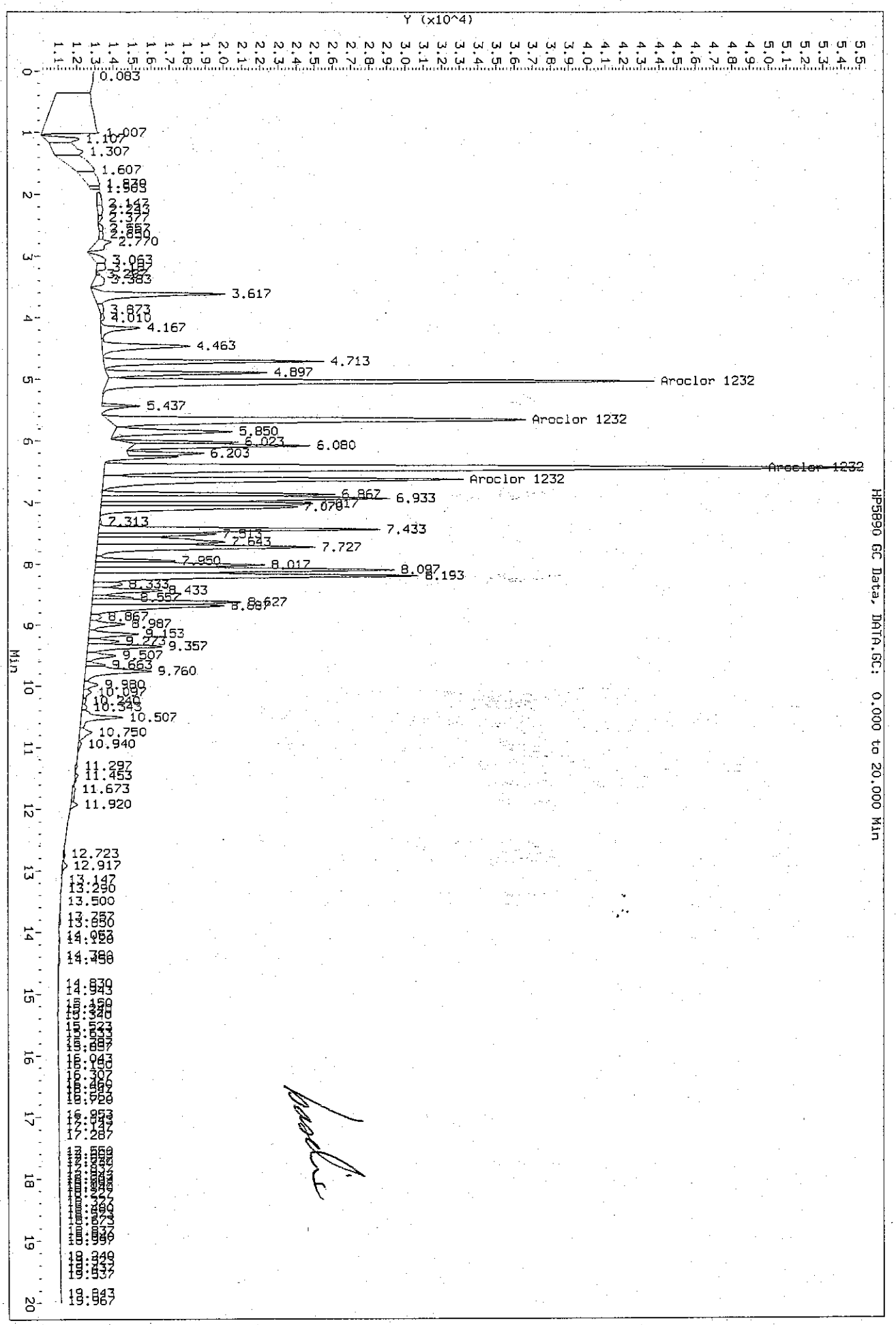
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

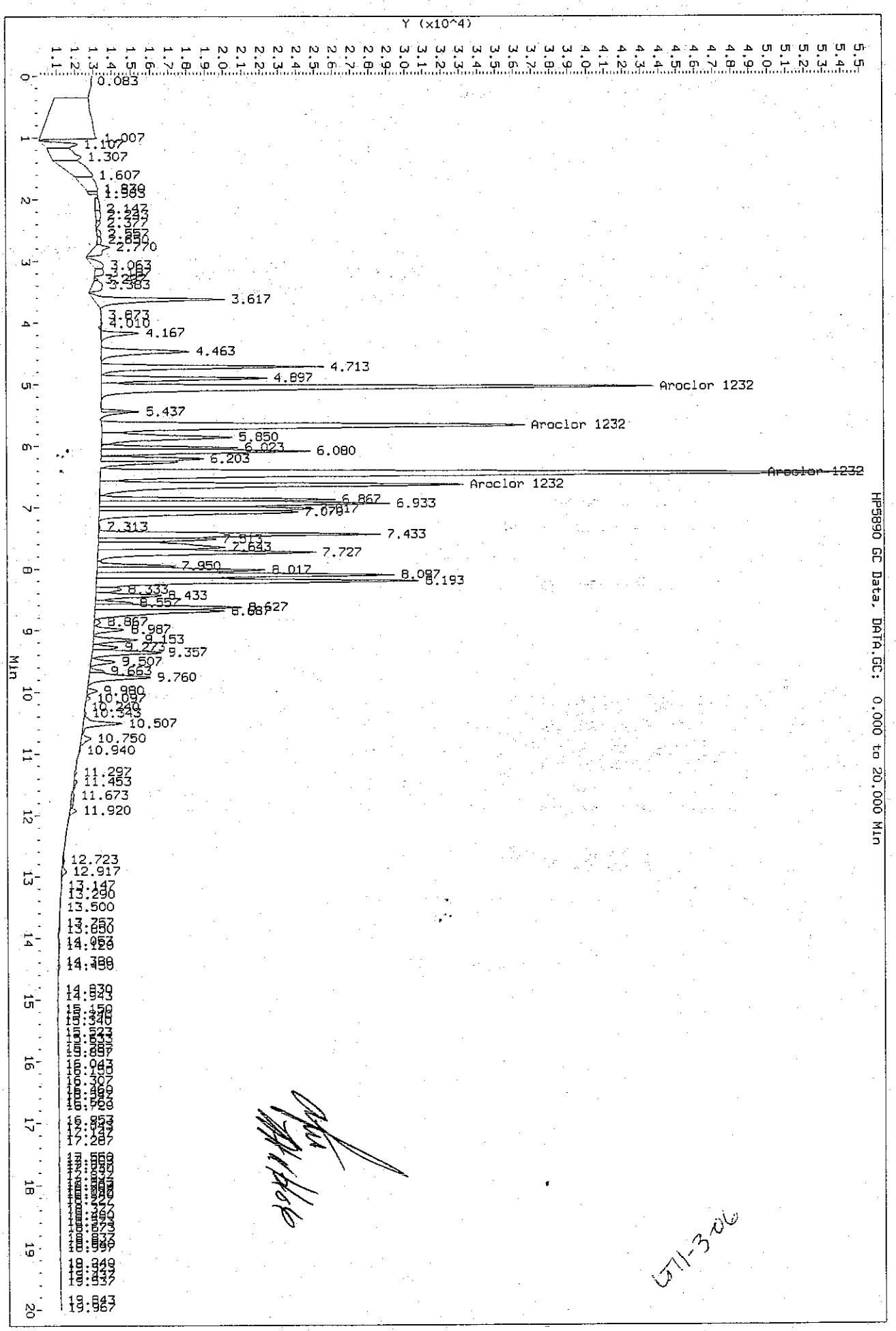
Column phase: DB-XLB



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101f009.D
Injection Date: 01-NOV-2006 14:50
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F009.D
Injection Date: 01-NOV-2006 14:50
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F013.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F013.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R013.D
Inj Date : 01-NOV-2006 16:28
Sample Info: 1242 @ 1000ppb | PCB4-76D | KWG0605028-13
Misc Info : SEMIVOA GC\W0605028\13-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.657	6.133	196460	89483	1000	1000	80.00- 120.00	100.00(M)
	6.440	7.113	377373	175691	1000	1000	153.67- 230.50	192.09(M)
	6.620	7.517	165022	102055	1000	1000	67.20- 100.80	84.00(M)
	6.930	7.620	134366	119376	1000	1000	54.72- 82.07	68.39(M)
	7.017	7.903	85999	111648	1000	1000	35.02- 52.53	43.77(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

571-306

11/2/06

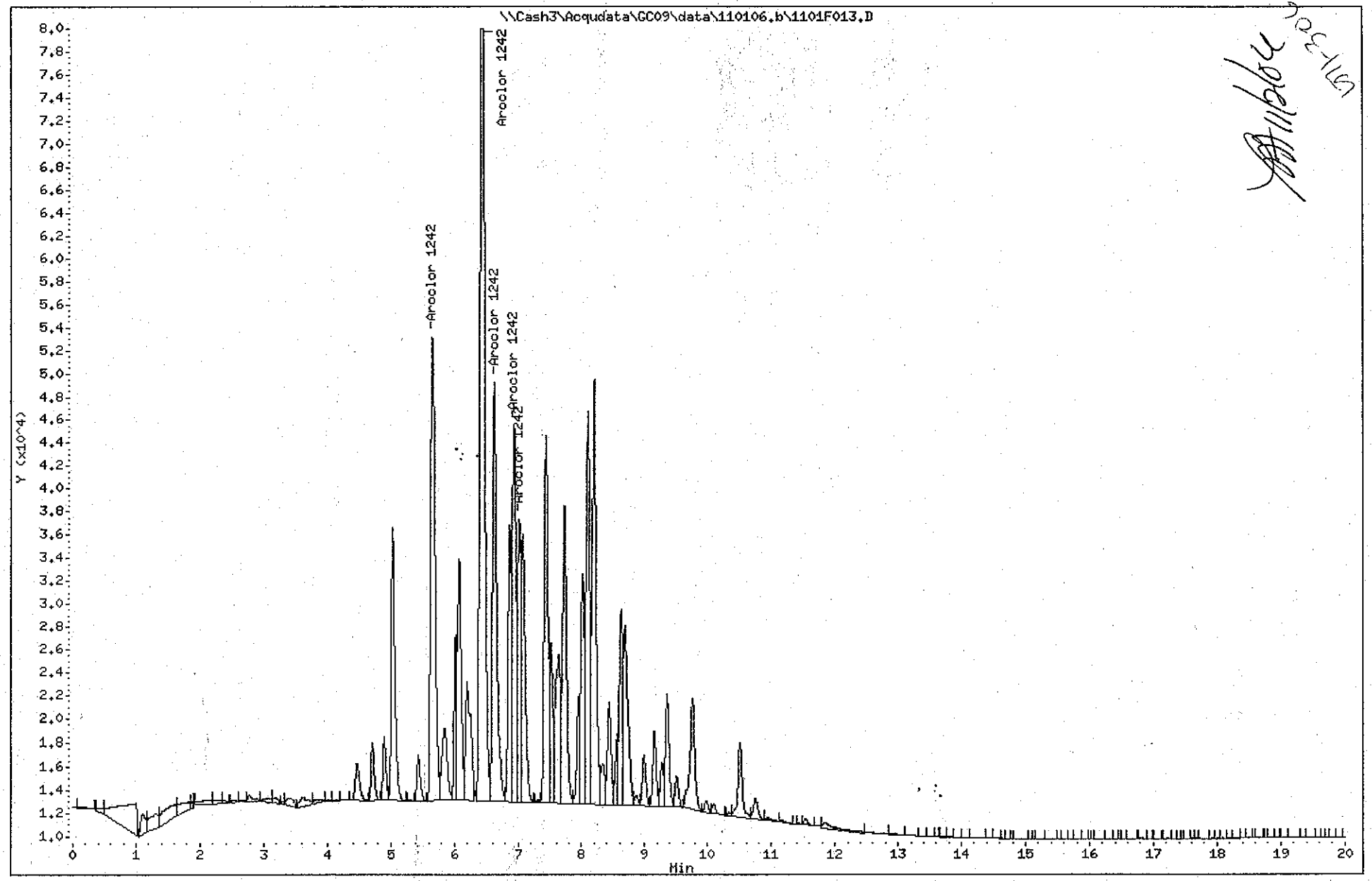
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F013.D
Date : 01-NOV-2006 16:28
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76D | KWG0605028-13

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



410
B - 410

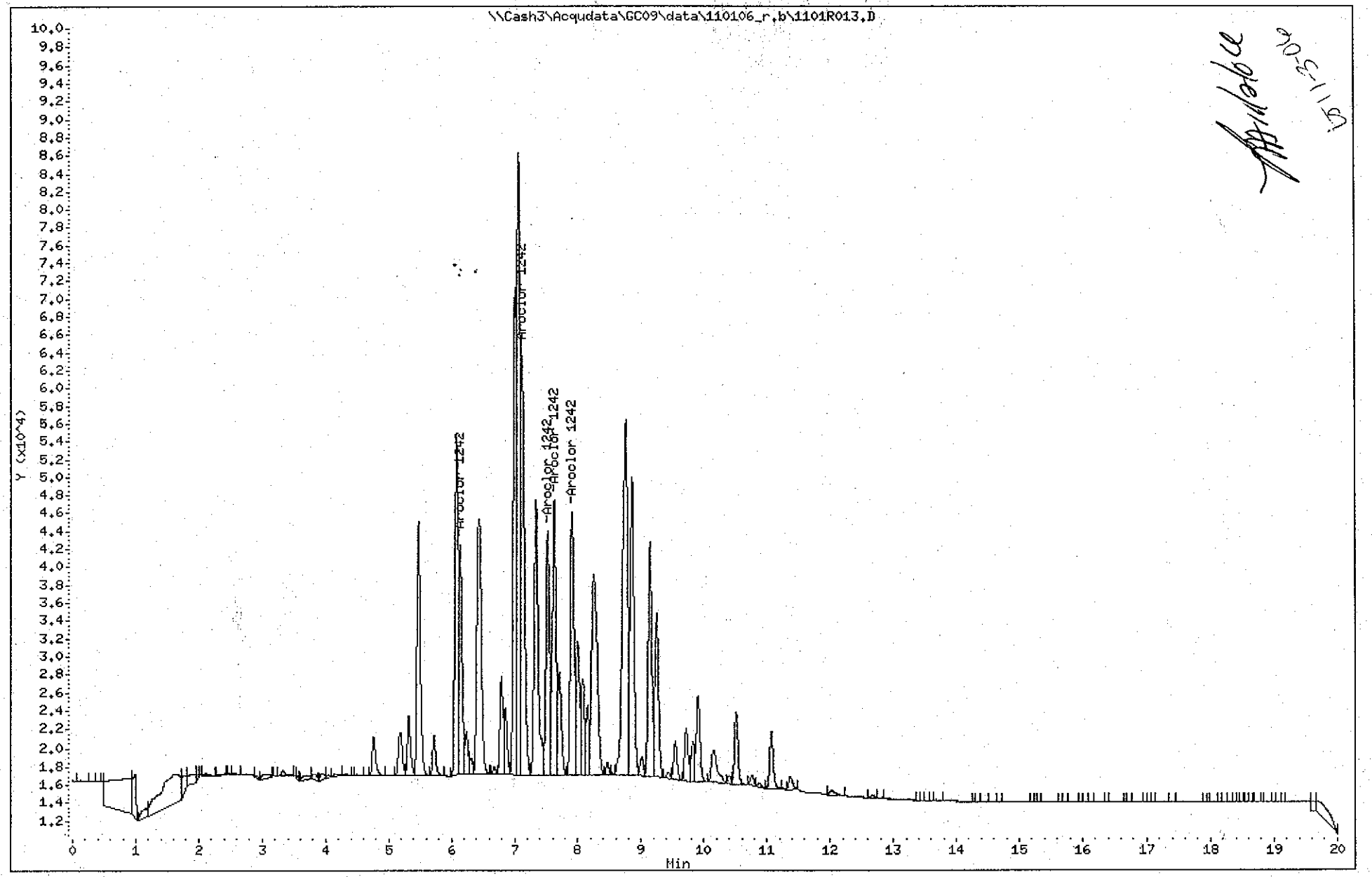
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R013.D
Date : 01-NOV-2006 16:28
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76D | KWG0605028-13

Instrument: GC09.i

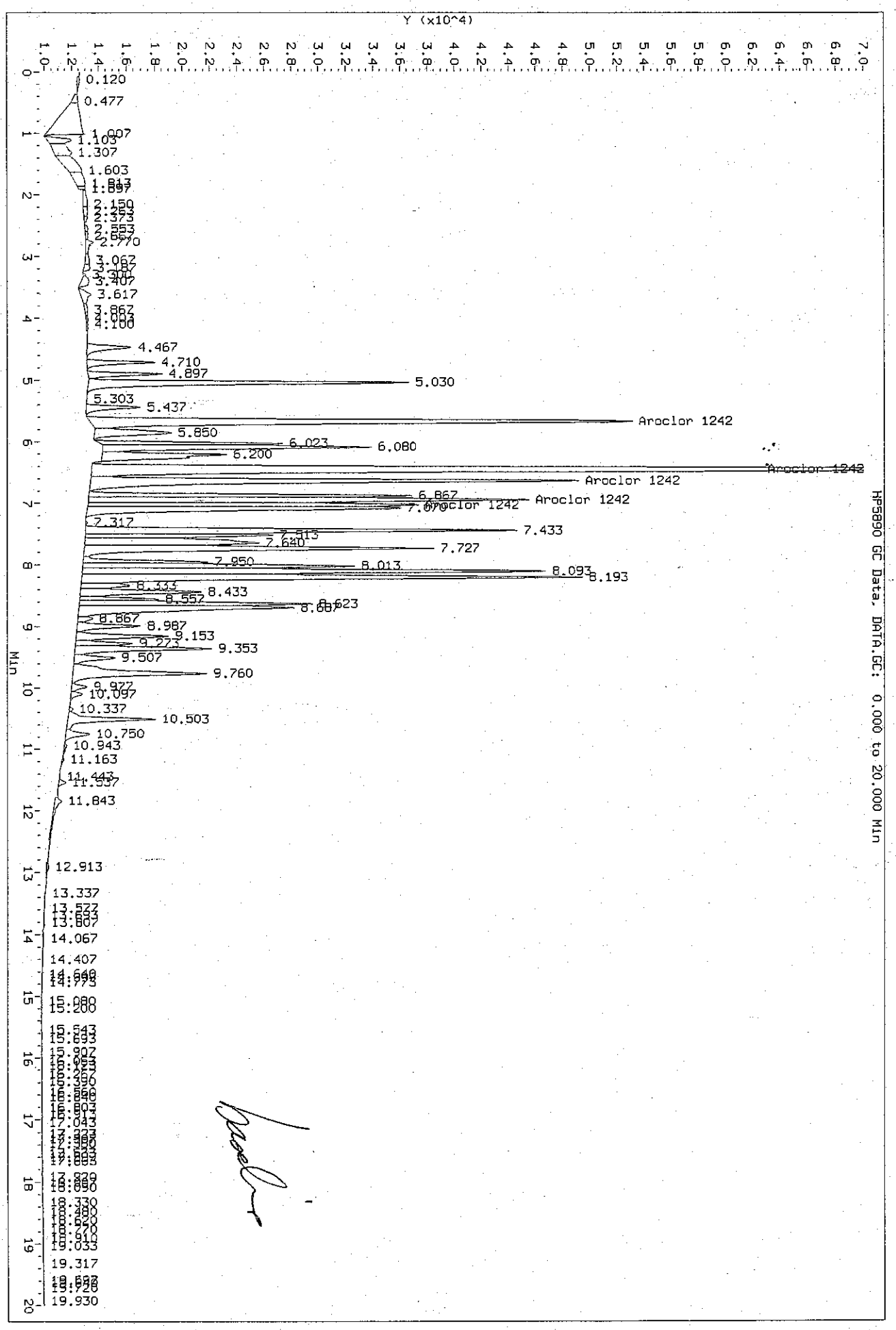
Operator: LHarris

Column phase: DB-XLB

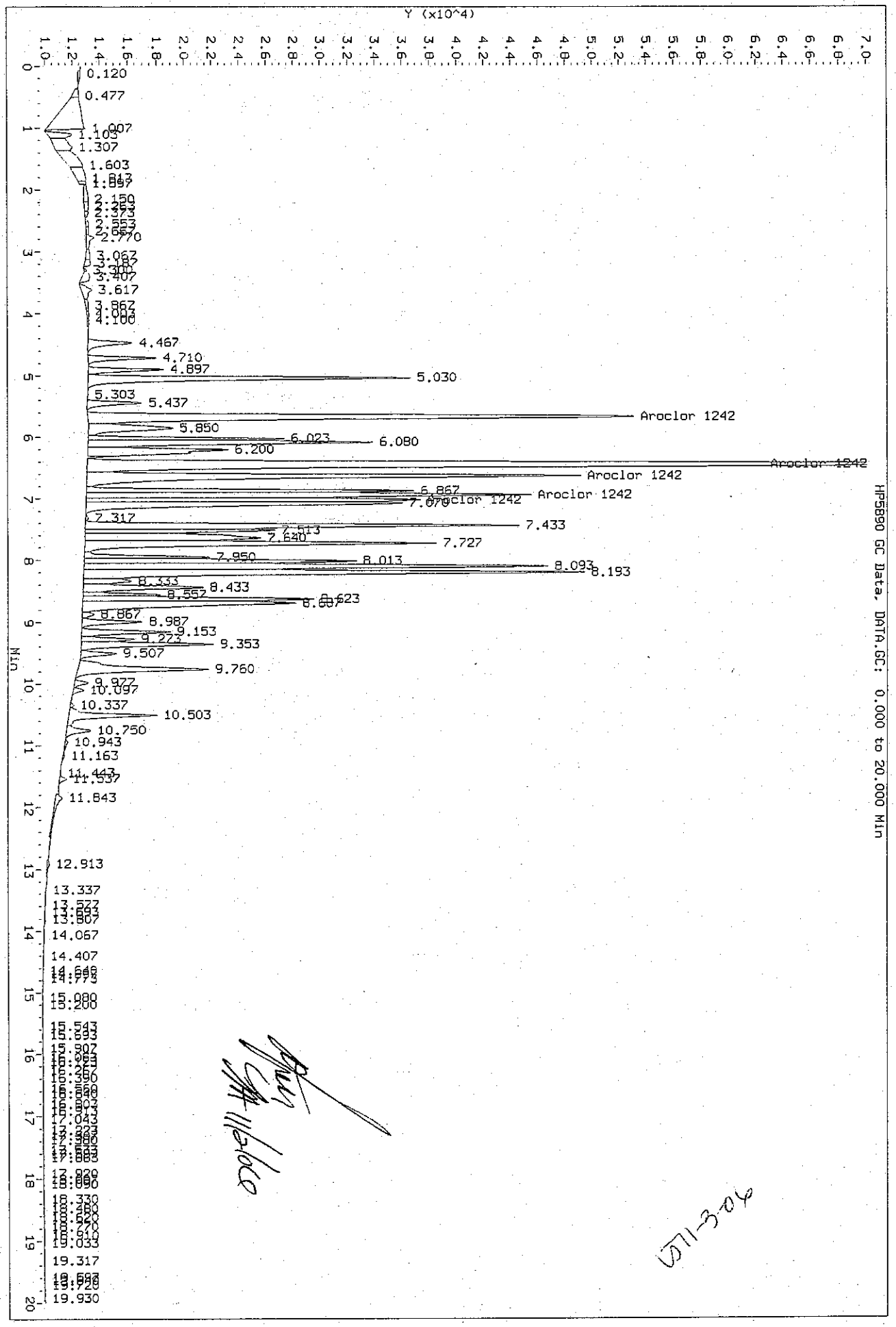
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F013.D
Injection Date: 01-NOV-2006 16:28
Instrument: GC09.i
Client Sample ID:



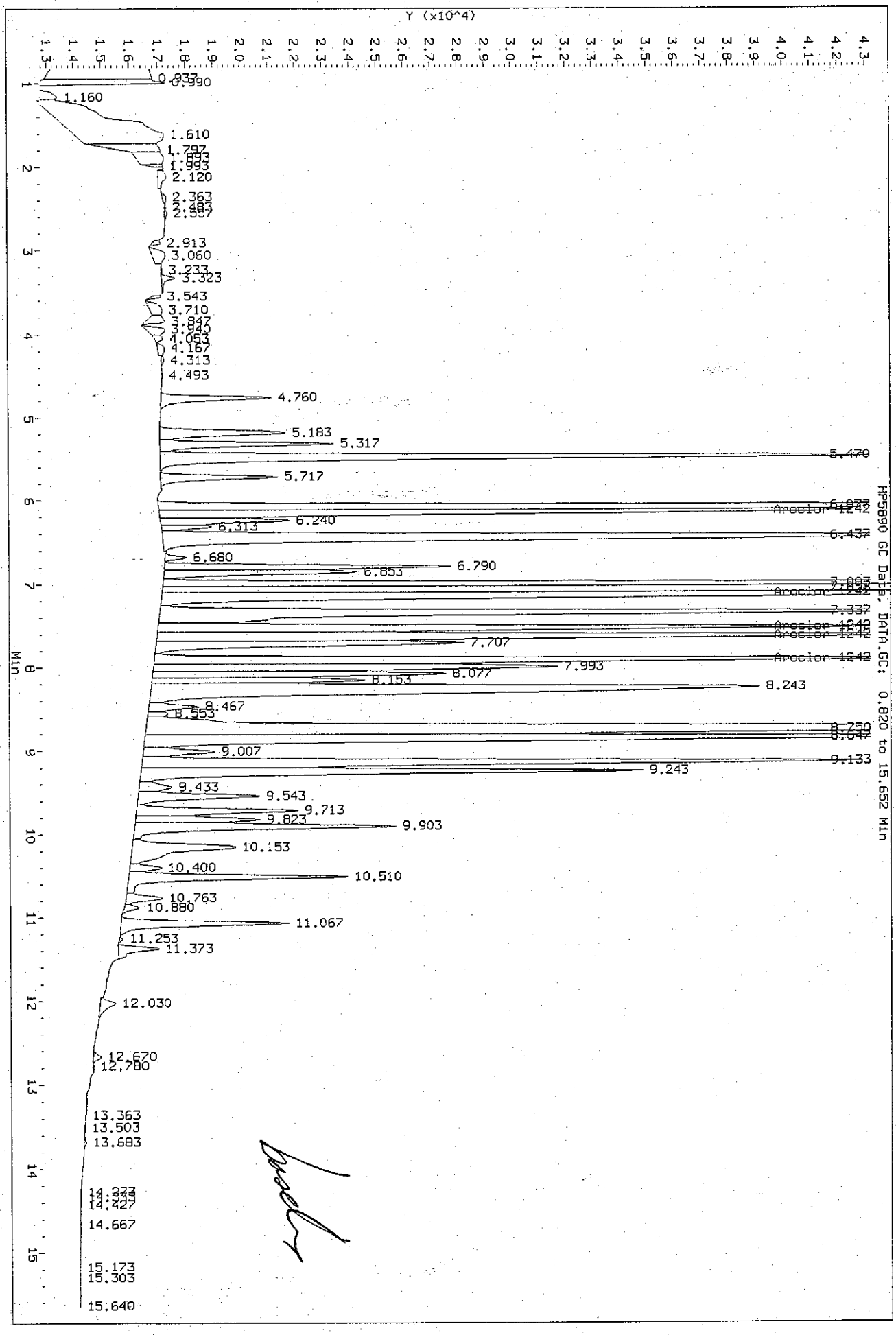
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F013.D
Injection Date: 01-NOV-2006 16:20
Instrument: GC09.i
Client Sample ID:



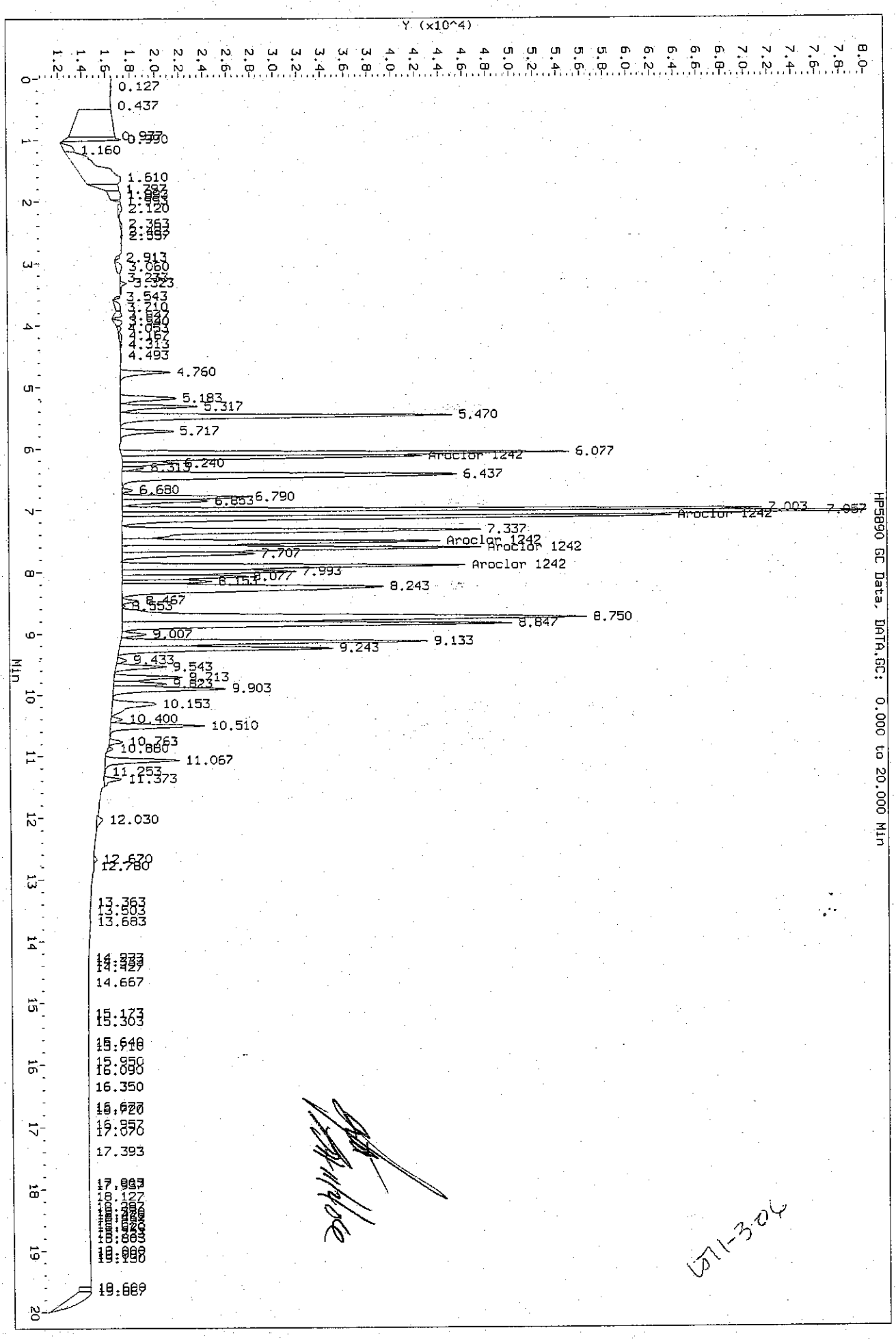
HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min

11/2/06

V711-3-06


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R013.D
Injection Date: 01-NOV-2006 16:28
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.820 to 15.652 Min
Y (x10^4)
Min
Aroclor 1242
Aroclor 1242
Aroclor 1242
Aroclor 1242
Aroclor 1242

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R013.D
Injection Date: 01-NOV-2006 16:28
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F017.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F017.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R017.D
Inj Date : 01-NOV-2006 18:05
Sample Info: 1248 @ 1000ppb | PCB4-76E | KWG0605028-17
Misc Info : SEMIVOA GC\W0605028\17-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.933	7.620	231315	172909	1000	1000	80.00- 120.00	100.00(M)
	7.433	7.903	188403	185886	1000	1000	65.16- 97.74	81.45(M)
	7.727	8.237	150734	182617	1000	1000	52.13- 78.20	65.16(M)
	8.093	8.750	238525	389943	1000	1000	82.49- 123.74	103.12(M)
	8.190	8.847	281288	231430	1000	1000	97.28- 145.92	121.60(M)
		Average of Peak Amounts =			1000	1000		

QC Flag Legend

M - Compound response manually integrated.

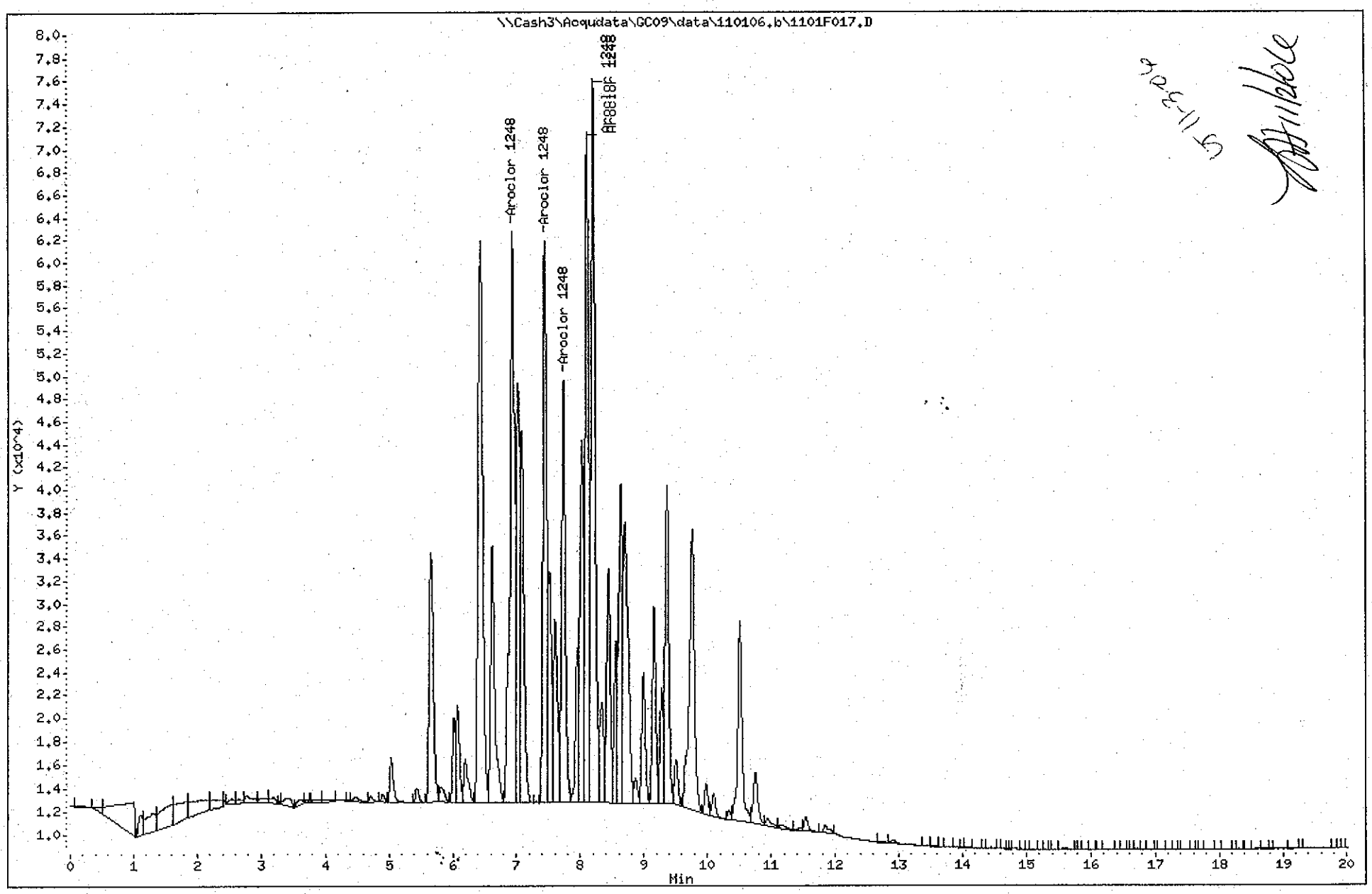
11/2/06
0711-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F017.D
Date : 01-NOV-2006 18:05
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76E | KWG0605028-17

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



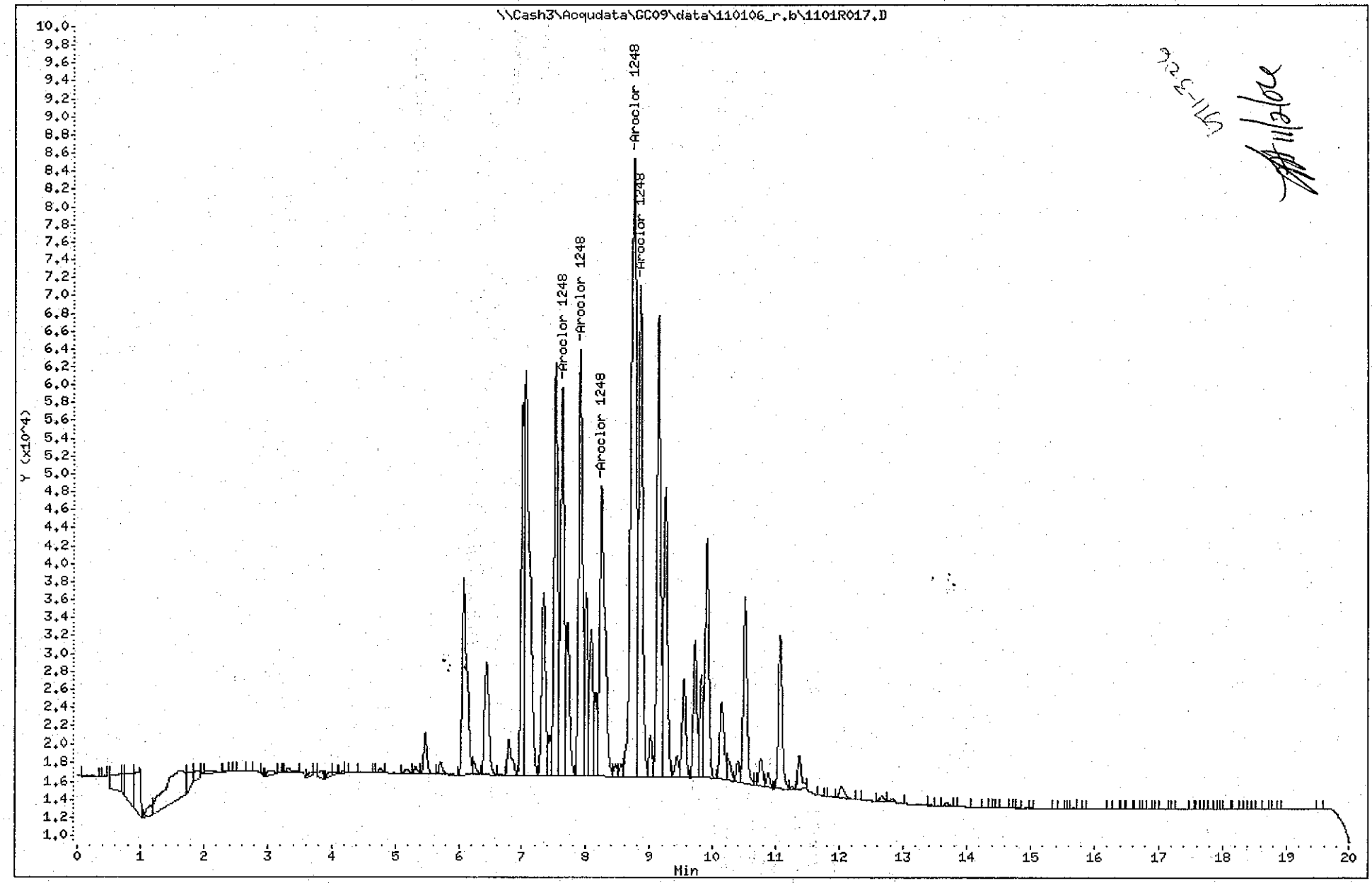
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R017.D
Date : 01-NOV-2006 18:05
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76E | KWG0605028-17

Instrument: GC09.i

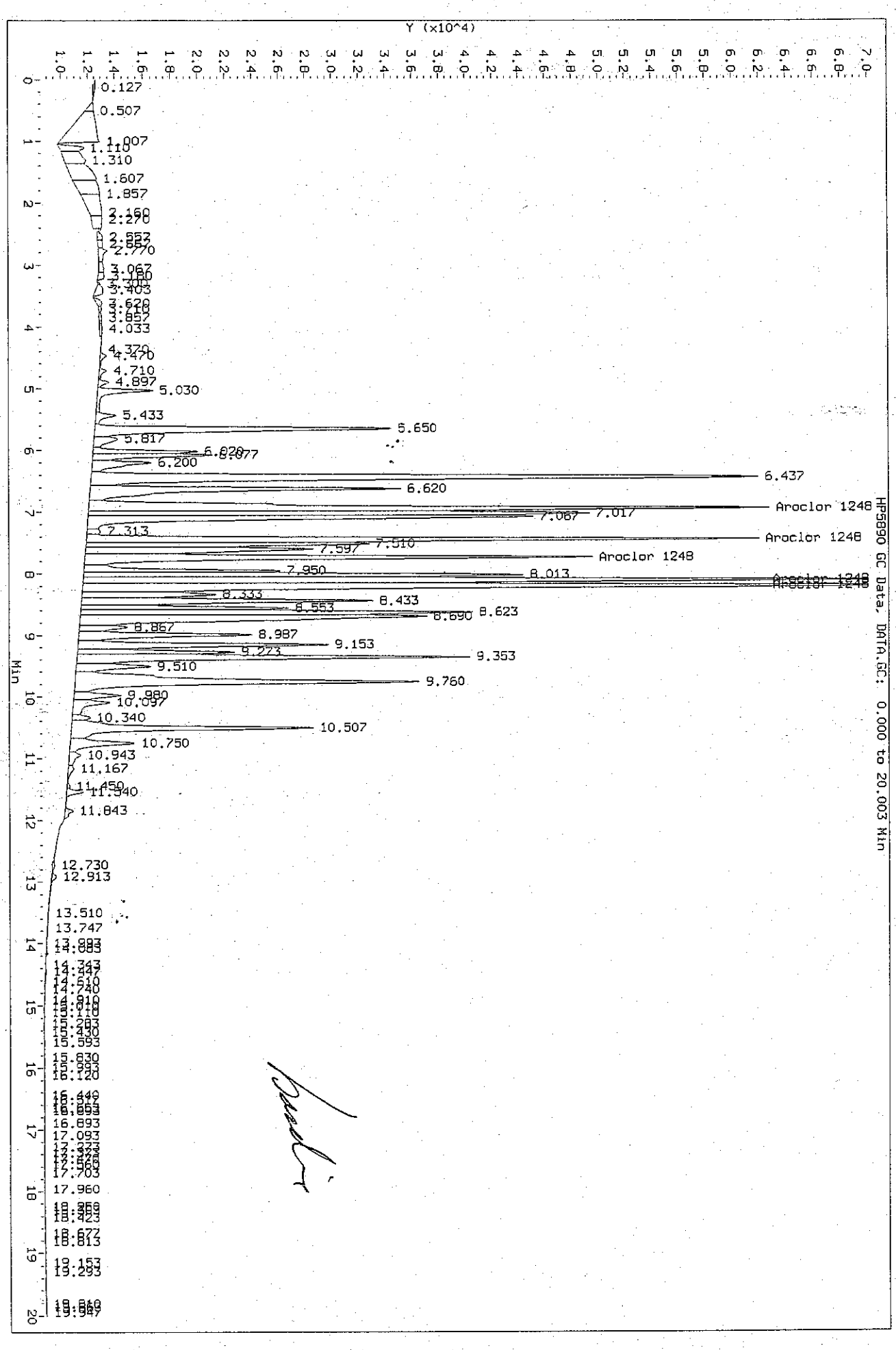
Operator: LHarris

Column phase: DB-XLB

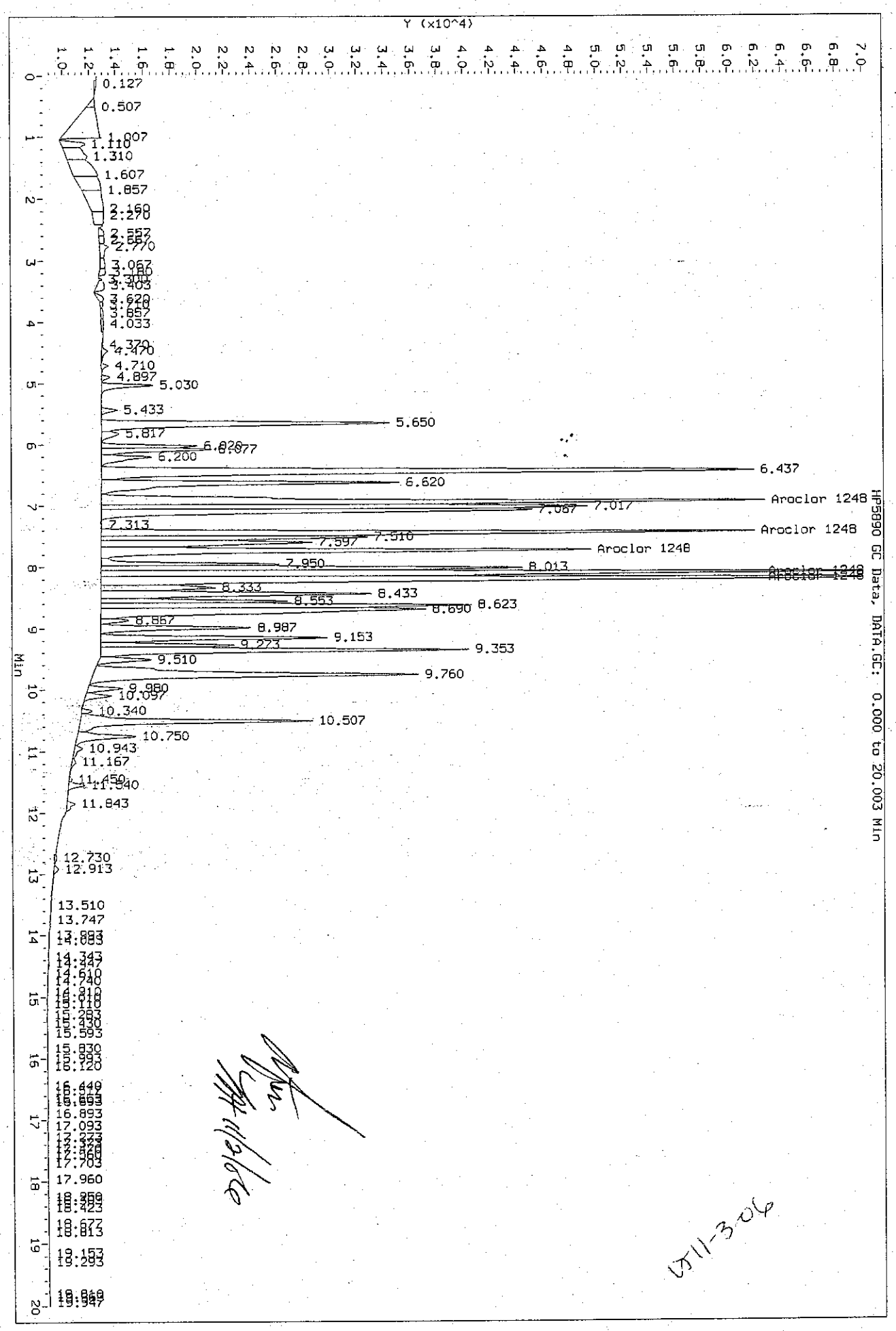
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F017.D
Injection Date: 01-NOV-2006 18:05
Instrument: GC09.i
Client Sample ID:

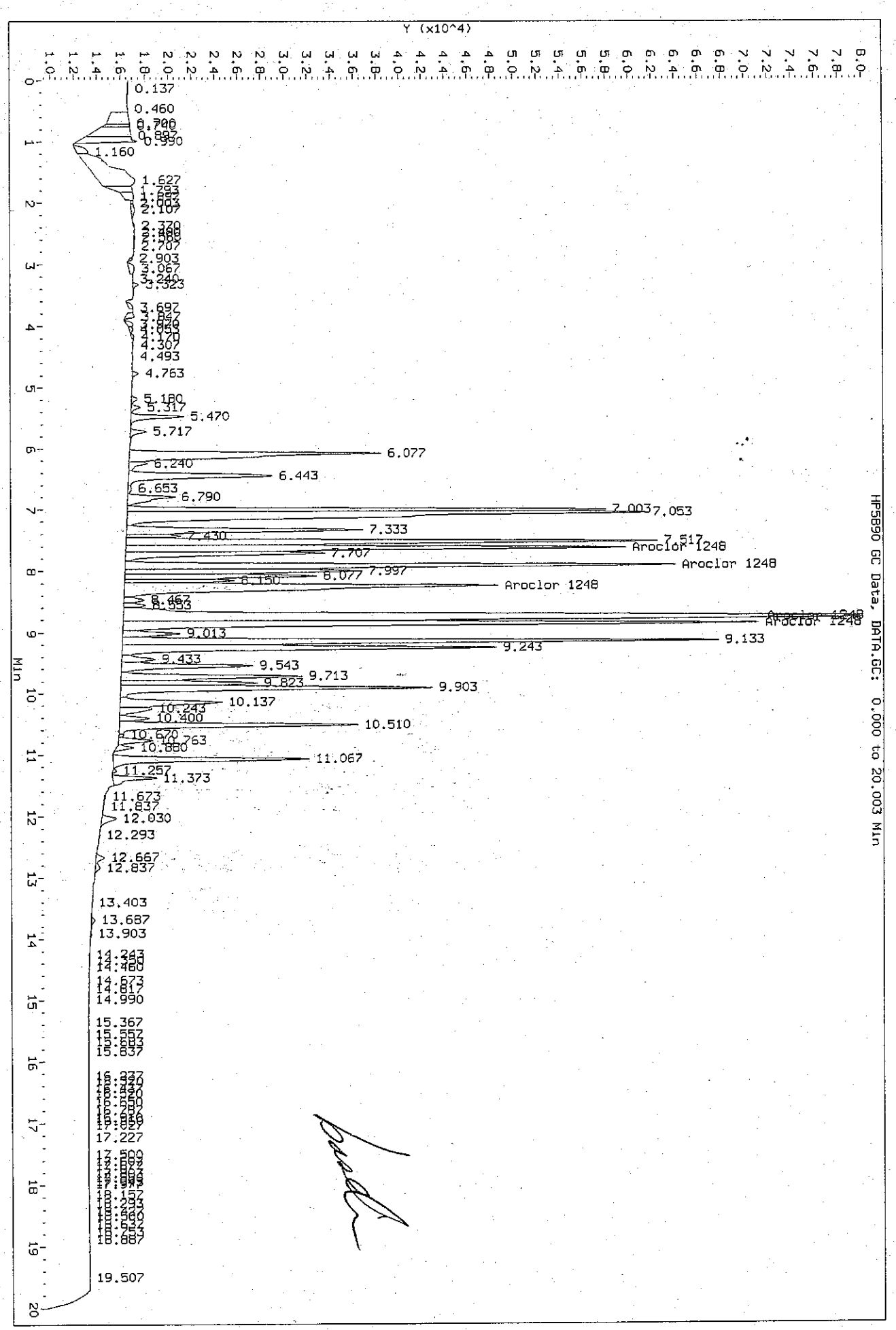


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F017.D
Injection Date: 01-NOV-2006 18:05
Instrument: GC09.i
Client Sample ID:



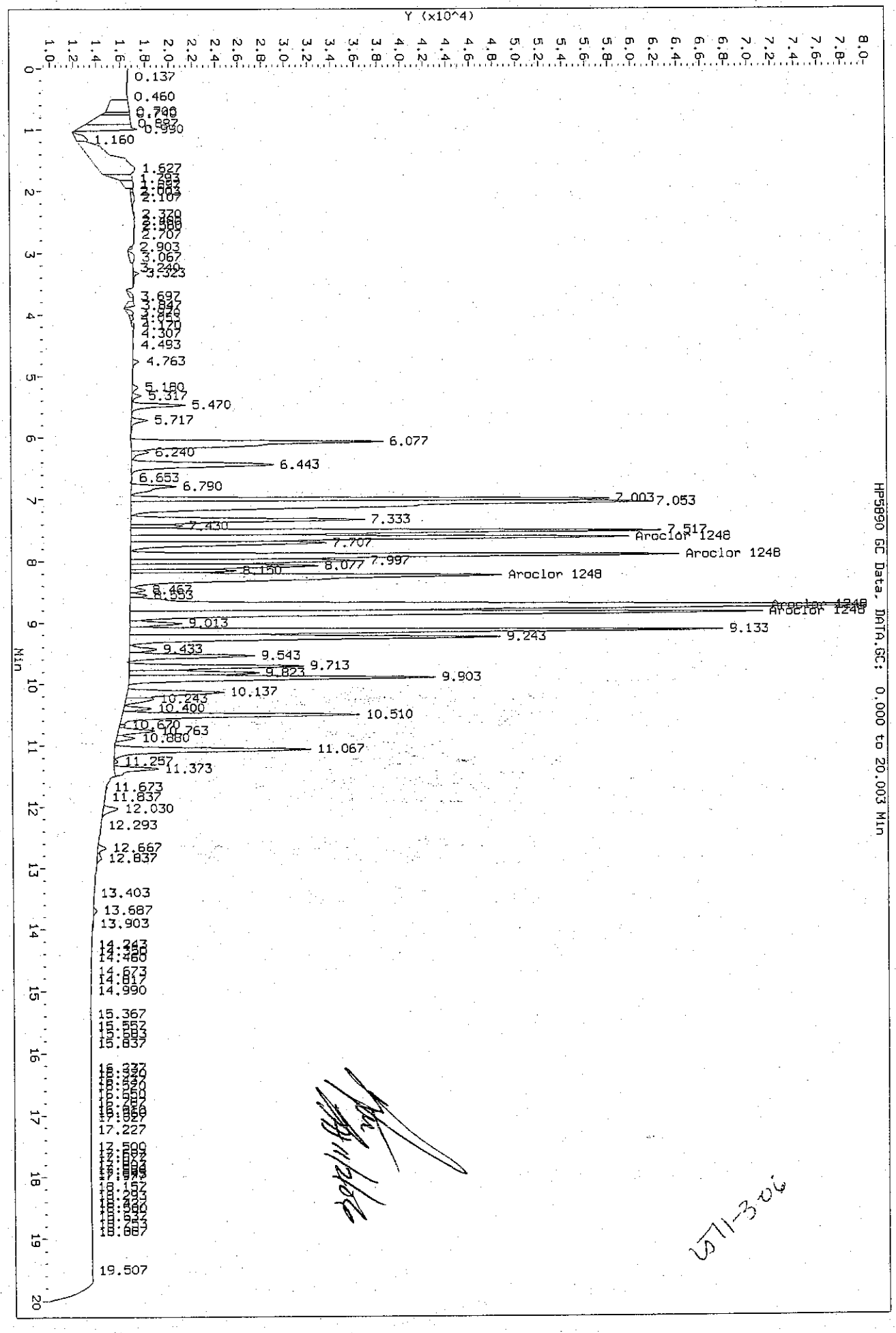
VJ11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R017.D
Injection Date: 01-NOV-2006 18:05
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R017.D
Injection Date: 01-NOV-2006 18:05
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F021.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F021.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R021.D
Inj Date : 01-NOV-2006 19:43
Sample Info: 1254 @ 1000ppb | PCB4-76F | KWG0605028-21
Misc Info : SEMIVOA GC\W0605028\21-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1254.SUB
Sub List #2 : AR1254.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1254	8.187	9.137	252179	321307	1000	1000	80.00- 120.00	100.00(M)
	8.430	9.713	267244	165369	1000	1000	84.78- 127.17	105.97(M)
	9.153	9.903	181751	319593	1000	1000	57.66- 86.49	72.07(M)
	9.357	10.507	382465	249784	1000	1000	121.33- 182.00	151.66(M)
	9.760	11.373	340567	286131	1000	1000	108.04- 162.06	135.05(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

11-3-06

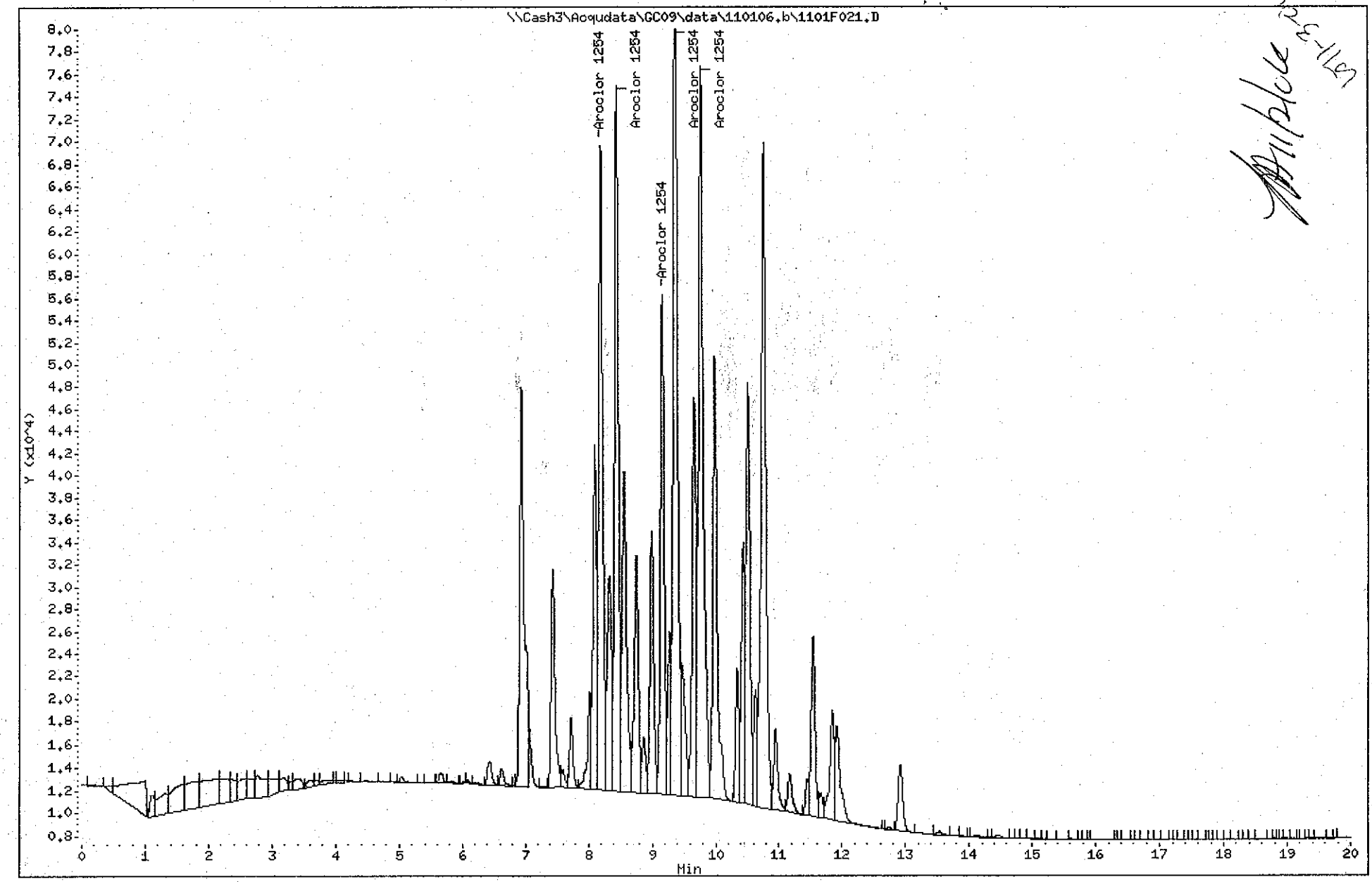
11/2/06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F021.D
Date : 01-NOV-2006 19:43
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-76F | KWG0605028-21

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



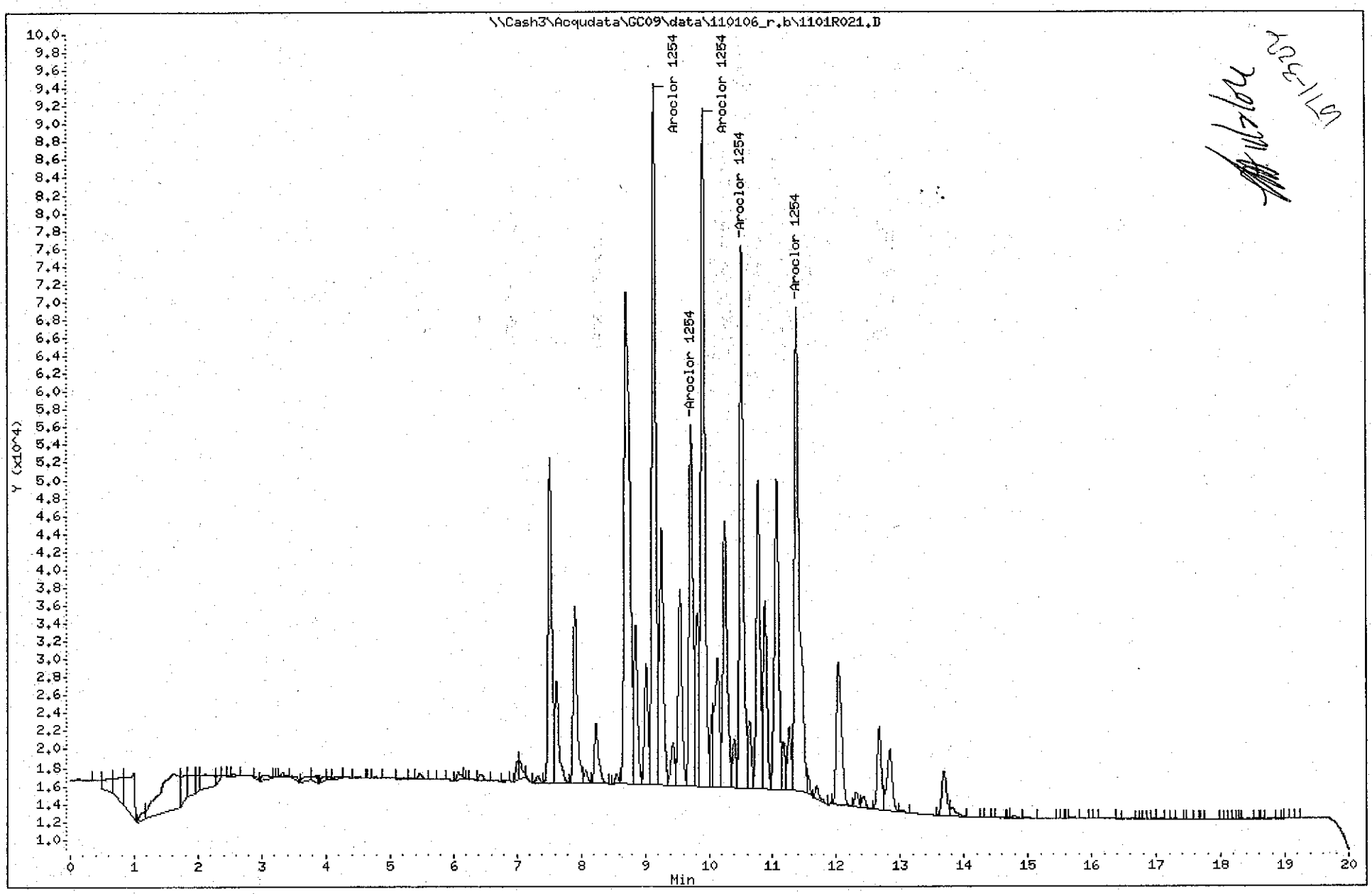
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R021.D
Date : 01-NOV-2006 19:43
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-76F | KWG0605028-21

Instrument: GC09.i

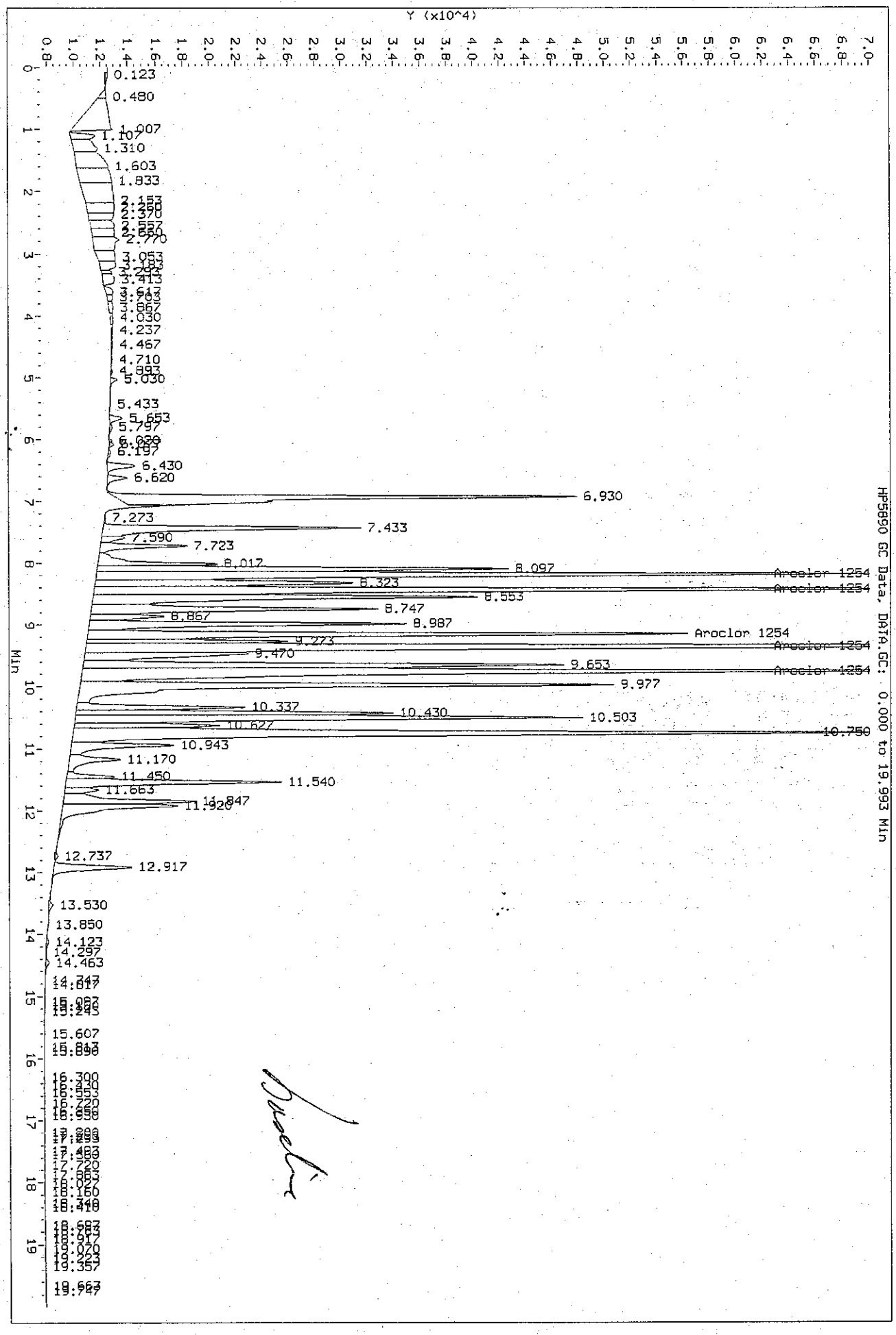
Operator: LHarris

Column phase: DB-XLB

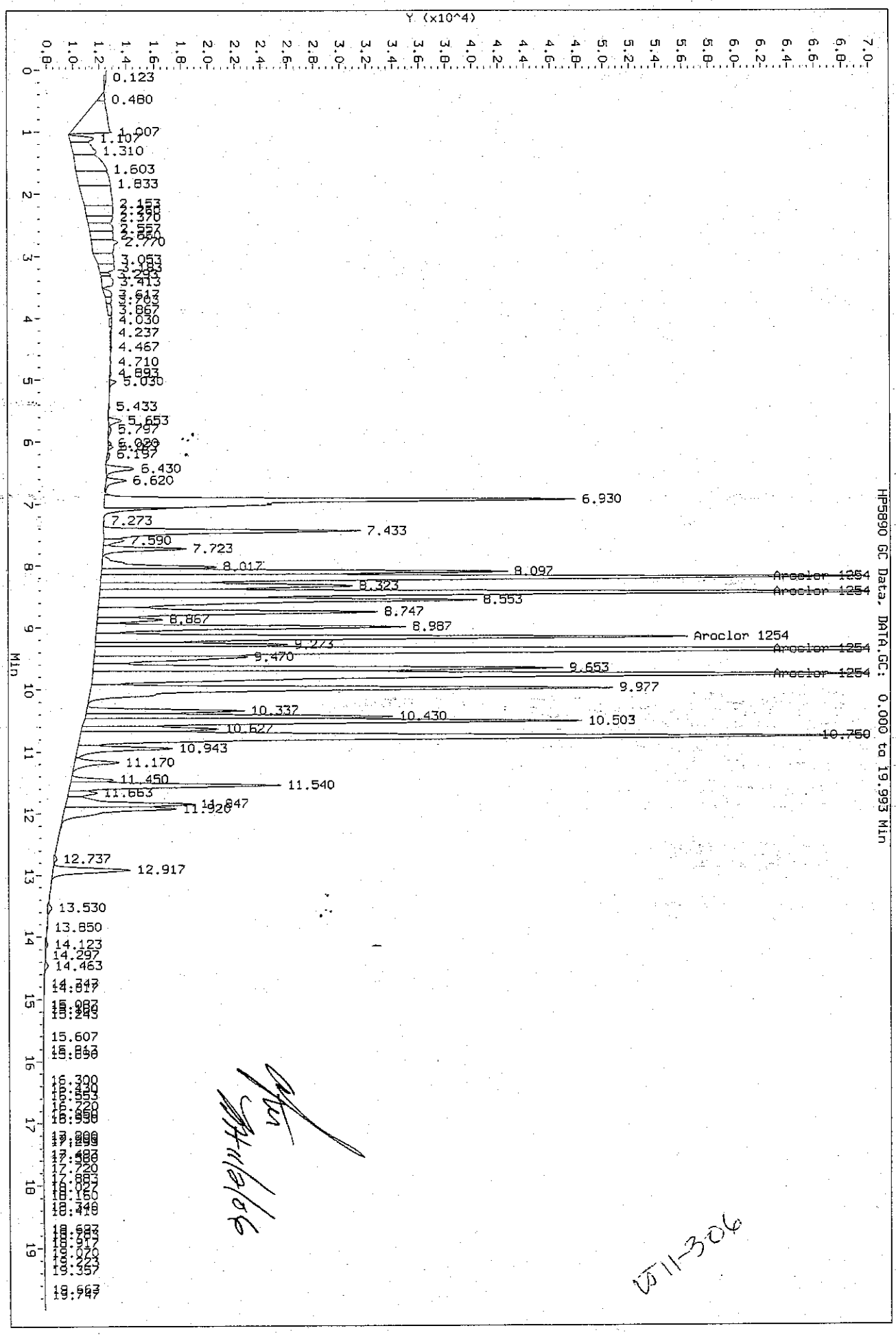
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F021.D
Injection Date: 01-NOV-2006 19:43
Instrument: GC09.i
Client Sample ID:



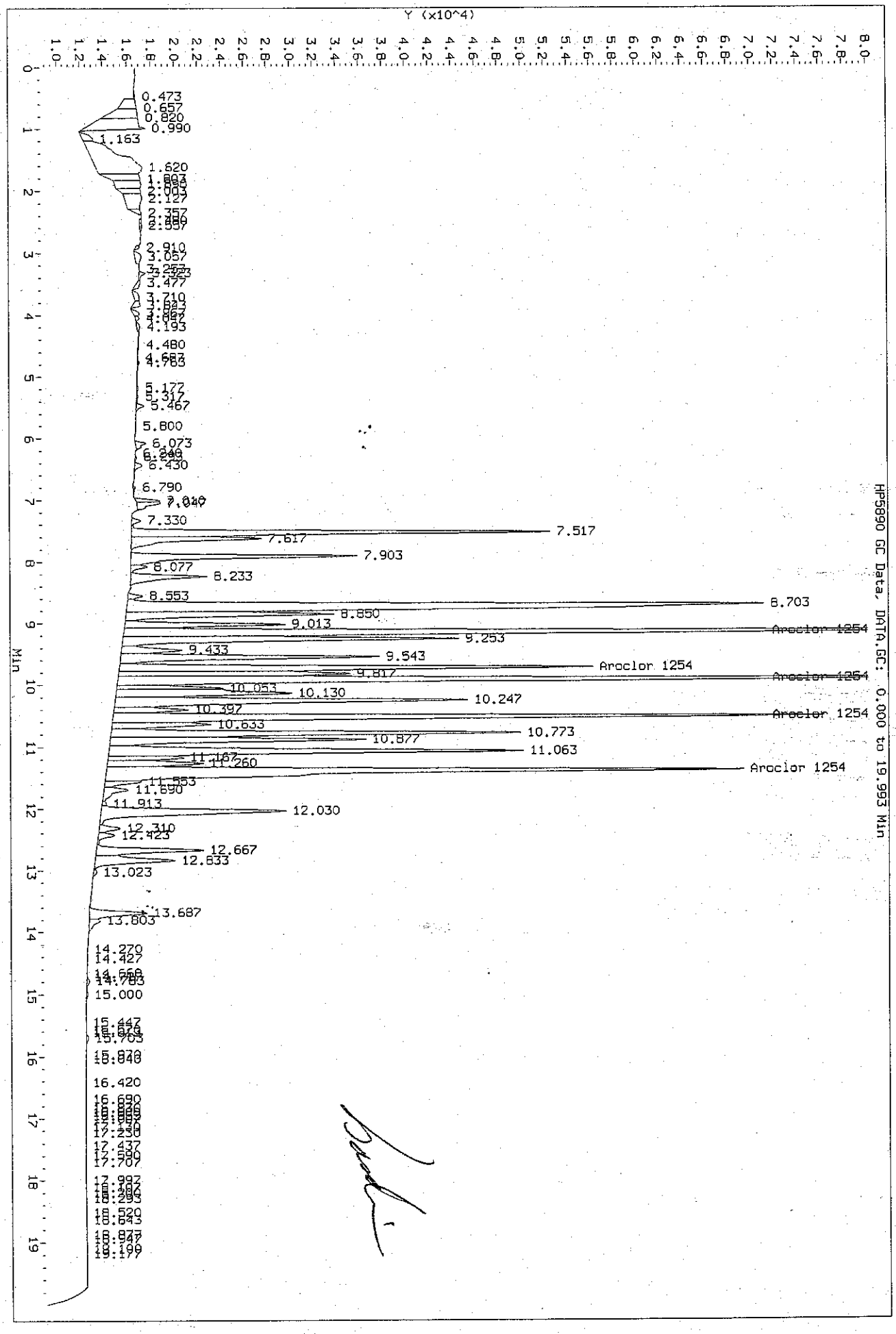
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F021.D
Injection Date: 01-NOV-2006 19:43
Instrument: GC09.i
Client Sample ID:



9/16/06

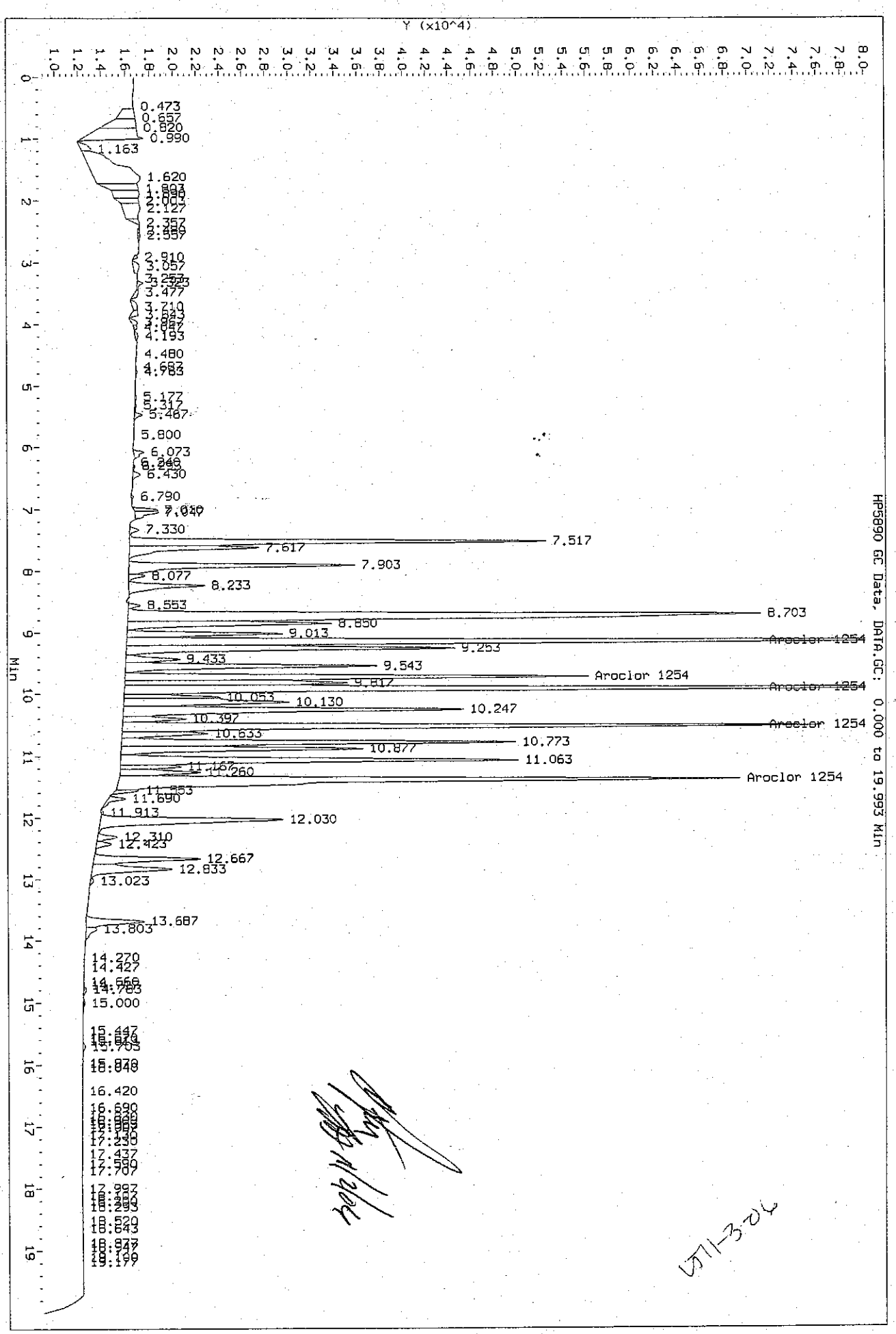
V11-306

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R021.D
Injection Date: 01-NOV-2006 19:43
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R021.D
Injection Date: 01-NOV-2006 19:43
Instrument: GC09.1
Client Sample ID:

HP5890 GC Data, DATA.GC: 0.000 to 19.993 Min



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F025.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F025.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R025.D
Inj Date : 01-NOV-2006 21:20
Sample Info: 1262 @ 1000ppb | PCB4-76G | KWG0605028-25
Misc Info : SEMIVOA GC\W0605028\25-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1262.SUB
Sub List #2 : AR1262.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1262	10.823	11.563	358756	306154	1000	1000	80.00- 120.00	100.00(M)
	11.450	12.077	270156	236401	1000	1000	60.24- 90.36	75.30(M)
	11.927	12.837	540634	513819	1000	1000	120.56- 180.84	150.70(M)
	12.733	13.690	228644	368269	1000	1000	50.99- 76.48	63.73(M)
	12.910	13.910	413700	275278	1000	1000	92.25- 138.38	115.32(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

11/2/06

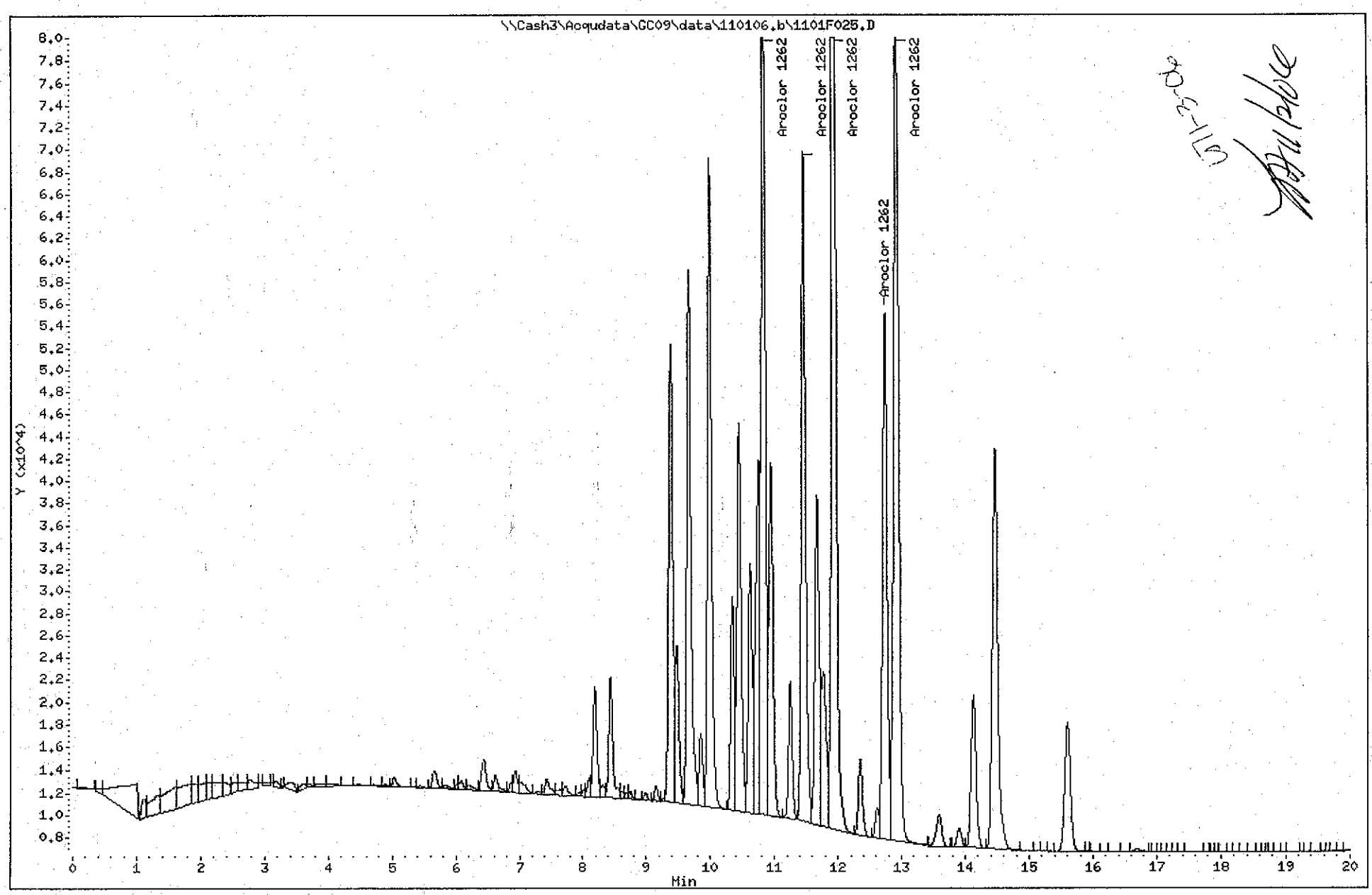
11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F025.D
Date : 01-NOV-2006 21:20
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-76G | KWG0605028-25

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



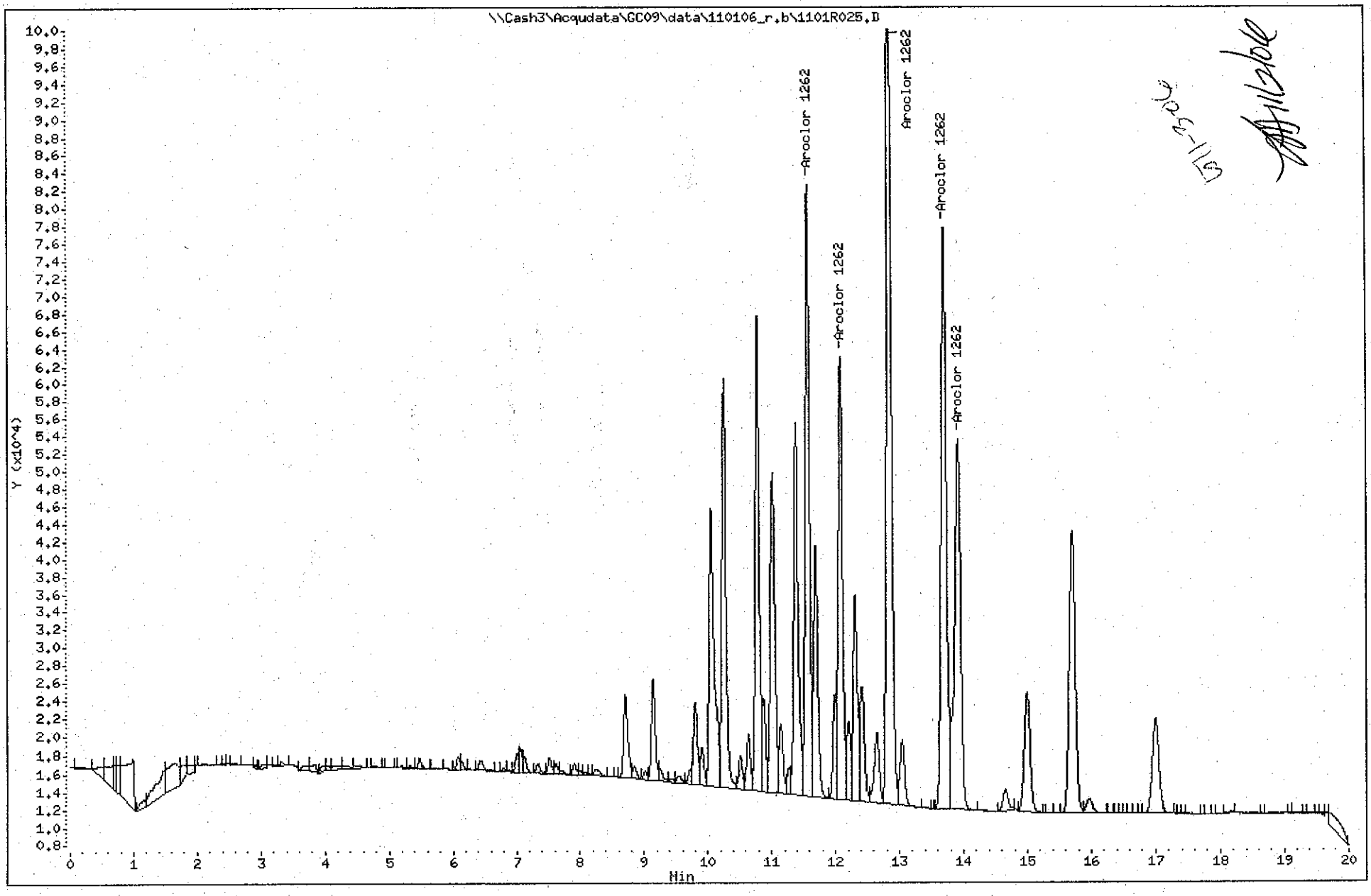
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R025.D
Date : 01-NOV-2006 21:20
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-76G | KWG0605028-25

Instrument: GC09.i

Operator: LHarris

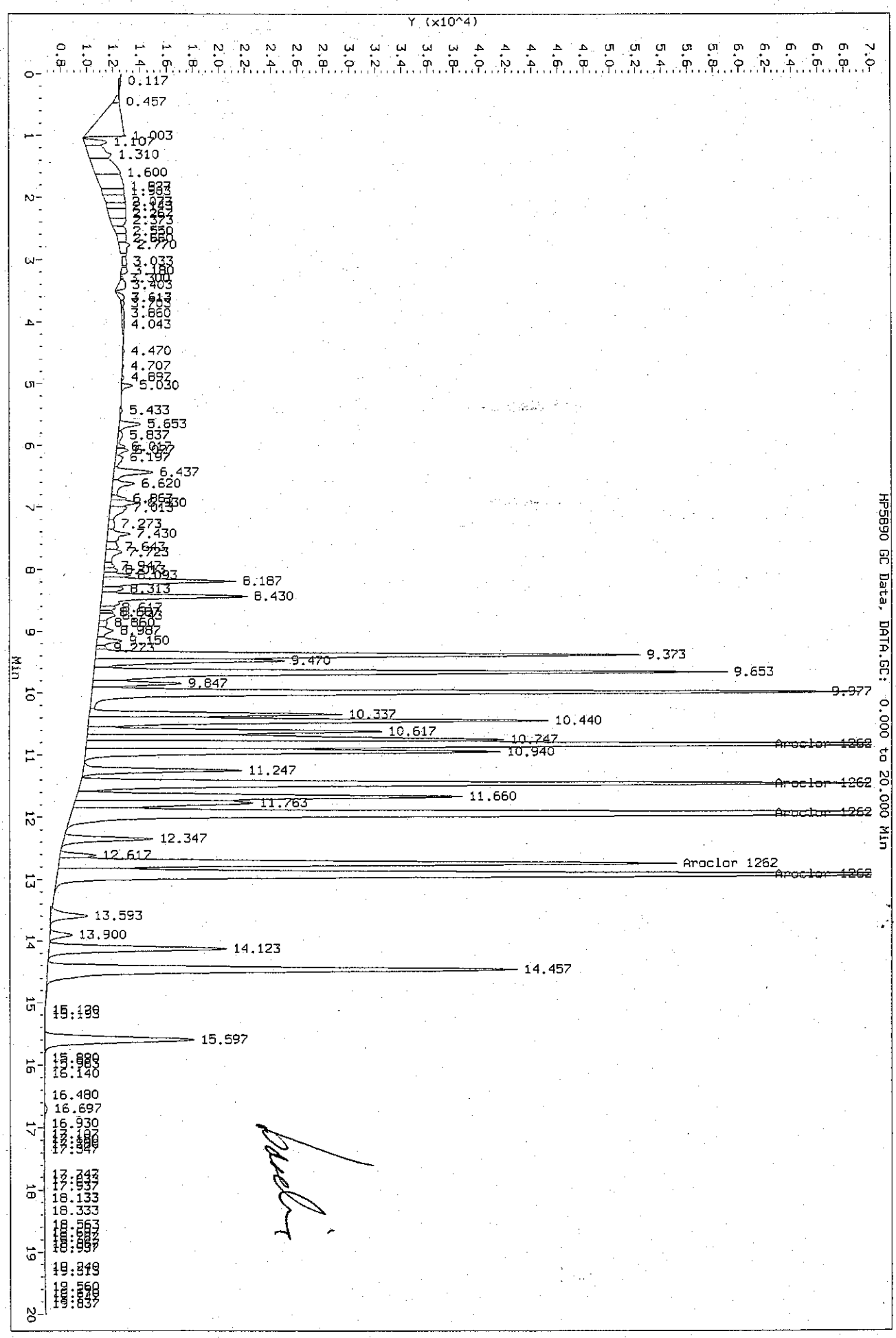
Column phase: DB-XLB

Column diameter: 0.53

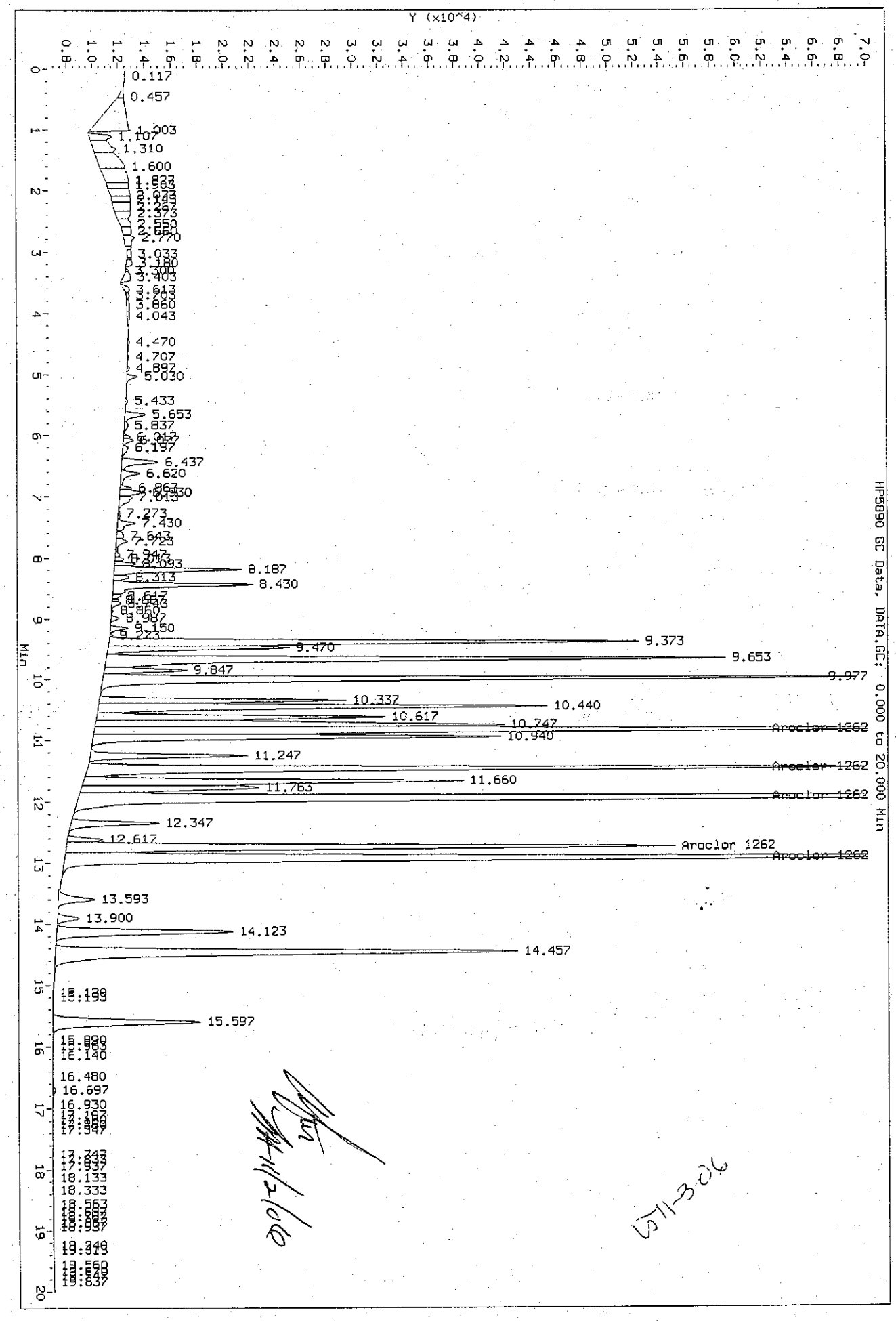


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F025.D
Injection Date: 01-NOV-2006 21:20
Instrument: GC09.I
Client Sample ID:

HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F025.D
Injection Date: 01-NOV-2006 21:20
Instrument: GC09.I
Client Sample ID:



11/2/06

5711-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F029.D
Report Date: 02-Nov-2006 12:14

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F029.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R029.D
Inj Date : 01-NOV-2006 22:58
Sample Info: 1268 @ 1000ppb | PCB4-76H | KWG0605028-29
Misc Info : SEMIVOA GC\W0605028\29-ICAL.H
Cal Date : 02-NOV-2006 10:59
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1268.SUB
Sub List #2 : AR1268.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1268	12.897	13.920	668473	647879	1000	1000	80.00- 120.00	100.00(M)
	13.597	14.653	579684	573037	1000	1000	69.37- 104.06	86.72(M)
	13.907	14.950	145291	156154	1000	1000	17.39- 26.08	21.73(M)
	14.457	15.700	244111	243814	1000	1000	29.21- 43.82	36.52(M)
	15.600	17.000	1743803	1739197	1000	1000	208.69- 313.04	260.86(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

11/2/06

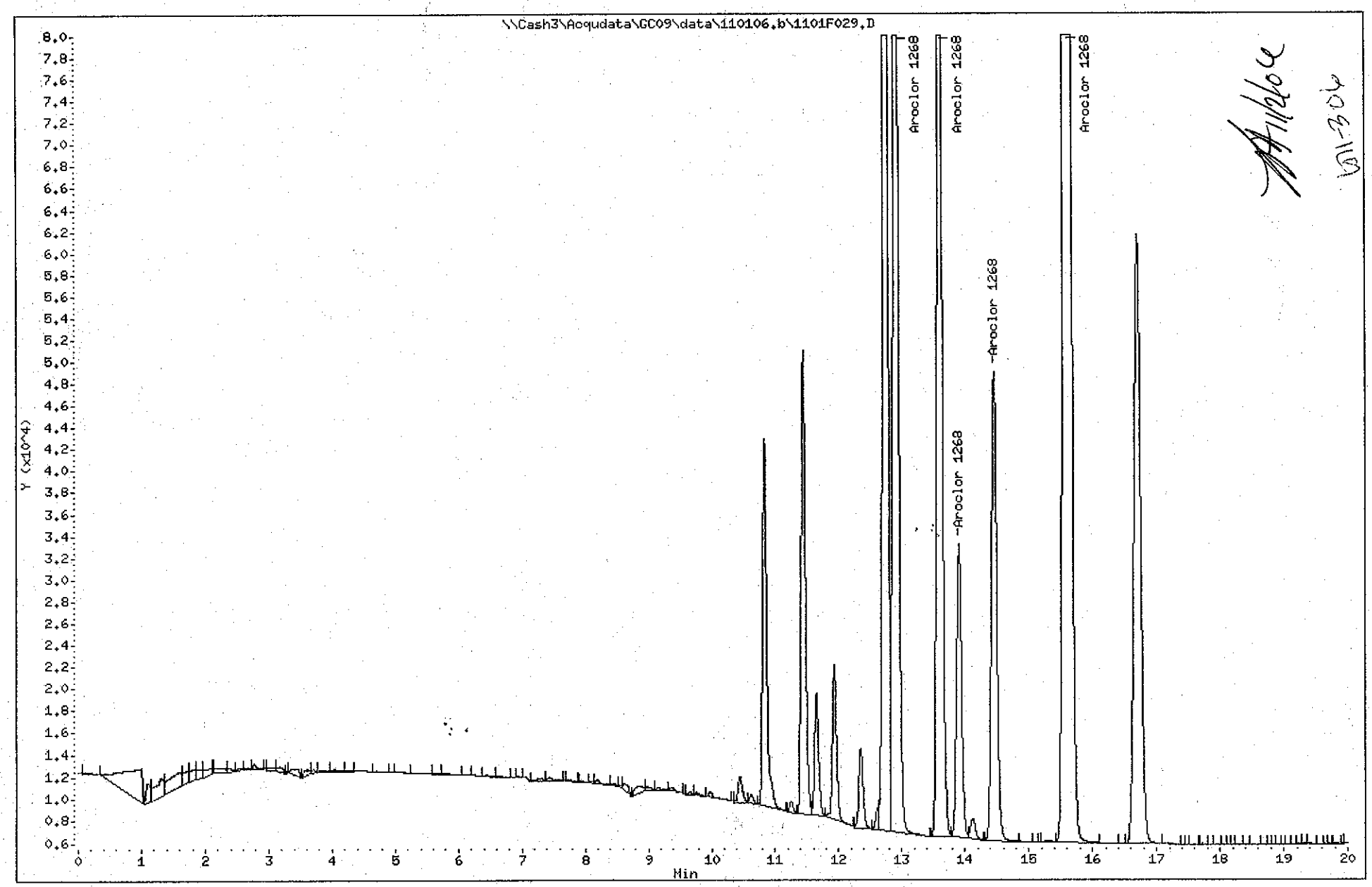
1071-304

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F029.D
Date : 01-NOV-2006 22:58
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-76H | KWG0605028-29

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



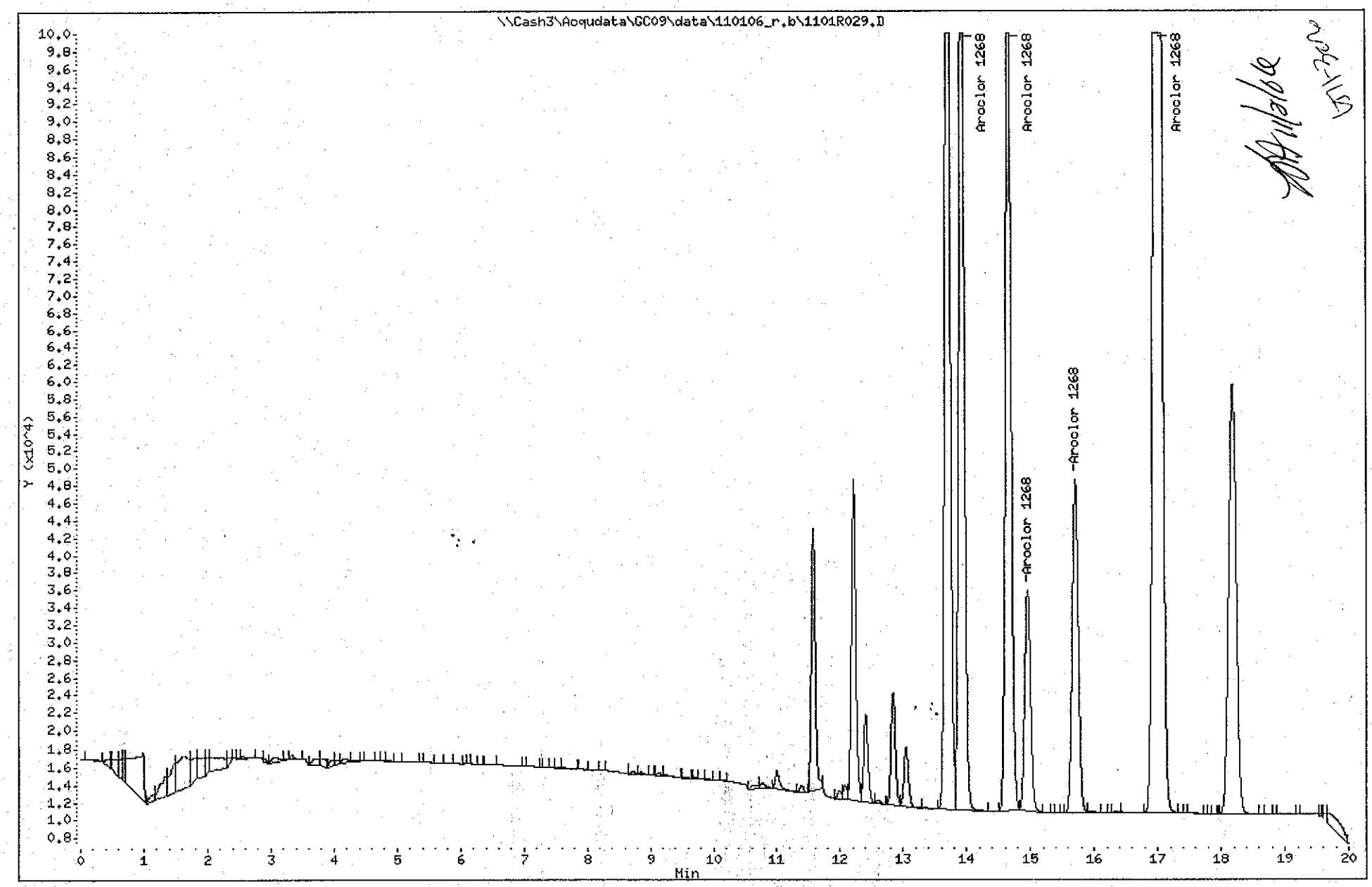
11/2/06
1101-2-06

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R029.D
Date : 01-NOV-2006 22:58
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-76H | KWG0605028-29

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R031.D
Inj Date : 01-NOV-2006 23:46
Sample Info: 1660 @ 25ppb | PCB4-80B | KWG0605028-31
Misc Info : SEMIVOA GC\W0605028\31-ICAL.H
Cal Date : 02-NOV-2006 11:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.253	4.933	12569	15568	2.26	2.67		100.00(M)
Aroclor 1016	6.077	6.073	2505	5097	25.2	29.9	80.00- 120.00	100.00(M)
	6.437	7.057	14503	10326	29.4	30.1	373.04- 559.56	578.98(M)
	6.620	7.117	6128	6455	28.6	28.2	154.29- 231.44	244.66(M)
	6.930	7.517	4430	3192	25.4	23.3	137.41- 206.12	176.85(M)
	7.430	7.620	3716	3330	25.0	22.0	115.69- 173.54	148.37(M)
		Average of Peak Amounts =			26.7	26.7		
Aroclor 1260	9.373	10.247	6721	7142	27.0	23.8	80.00- 120.00	100.00(M)
	9.977	10.773	9932	8240	25.7	25.9	119.49- 179.24	147.78(M)
	10.747	11.377	7200	8335	20.6	21.9	121.86- 182.79	107.13(M)
	11.450	11.563	5409	3826	24.6	19.6	74.80- 112.19	80.49(M)
	11.927	12.077	9693	5616	21.1	23.7	161.32- 241.98	188.20(M)
		Average of Peak Amounts =			23.8	23.0		
Decachlorobiphenyl	16.703	18.177	13180	13393	2.61	2.63		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

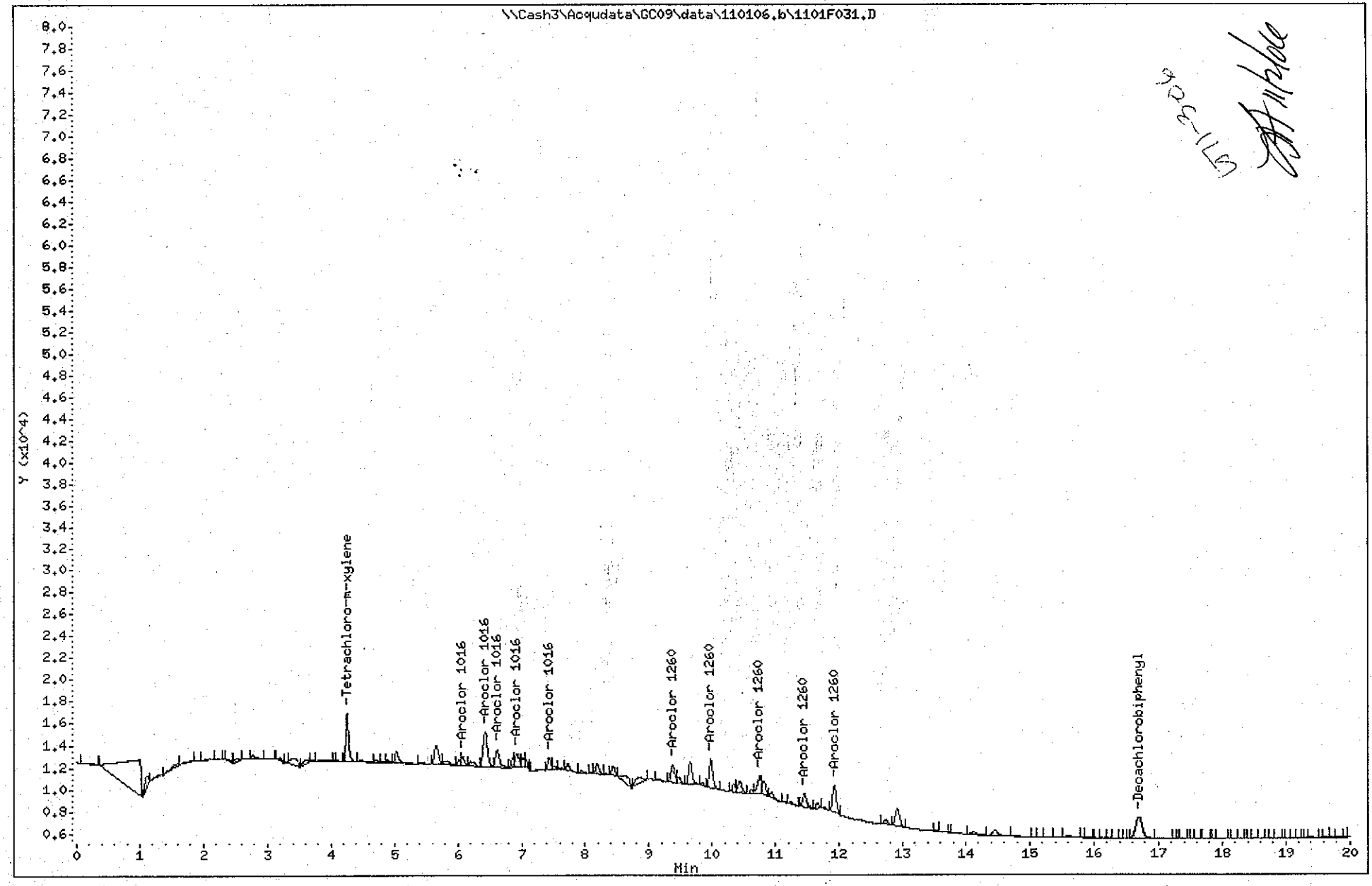
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
Date : 01-NOV-2006 23:46
Client ID:
Sample Info: 1660 @ 25ppb | PCB4-80B | KWG0605028-31

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



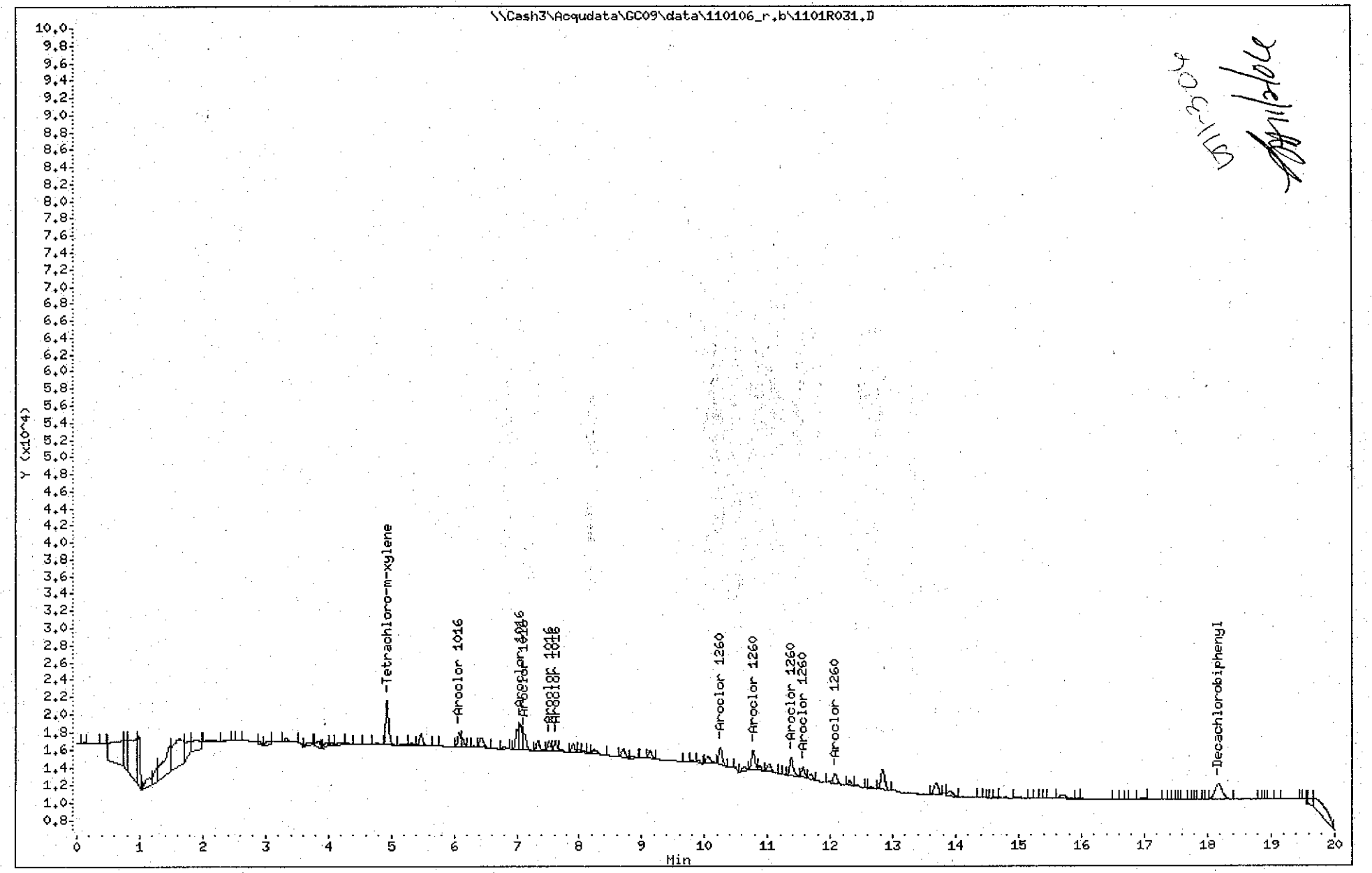
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R031.D
Date : 01-NOV-2006 23:46
Client ID:
Sample Info: 1660 @ 25ppb | PCB4-80B | KWG0605028-31

Instrument: GC09.i

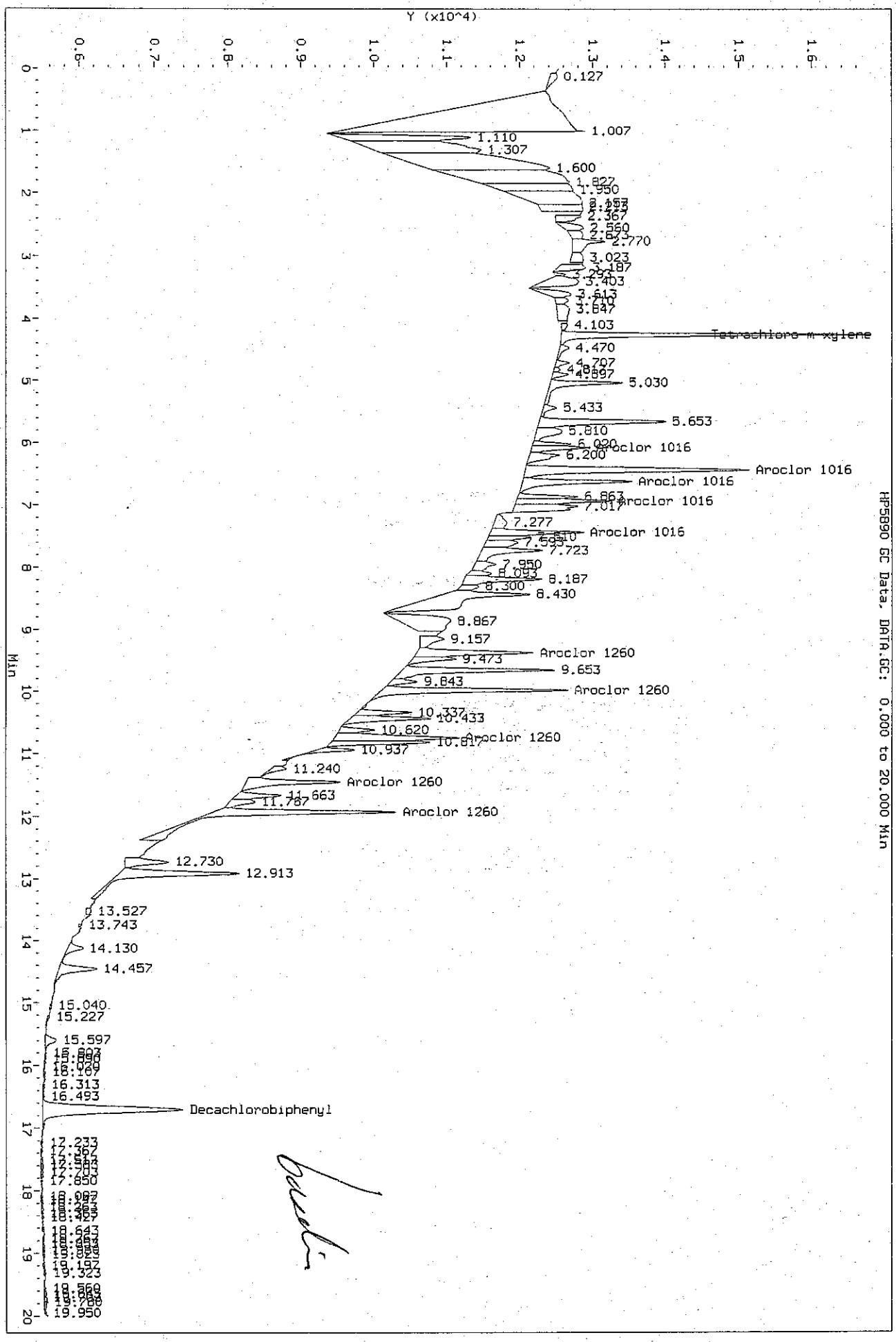
Operator: LHarris

Column phase: DB-XLB

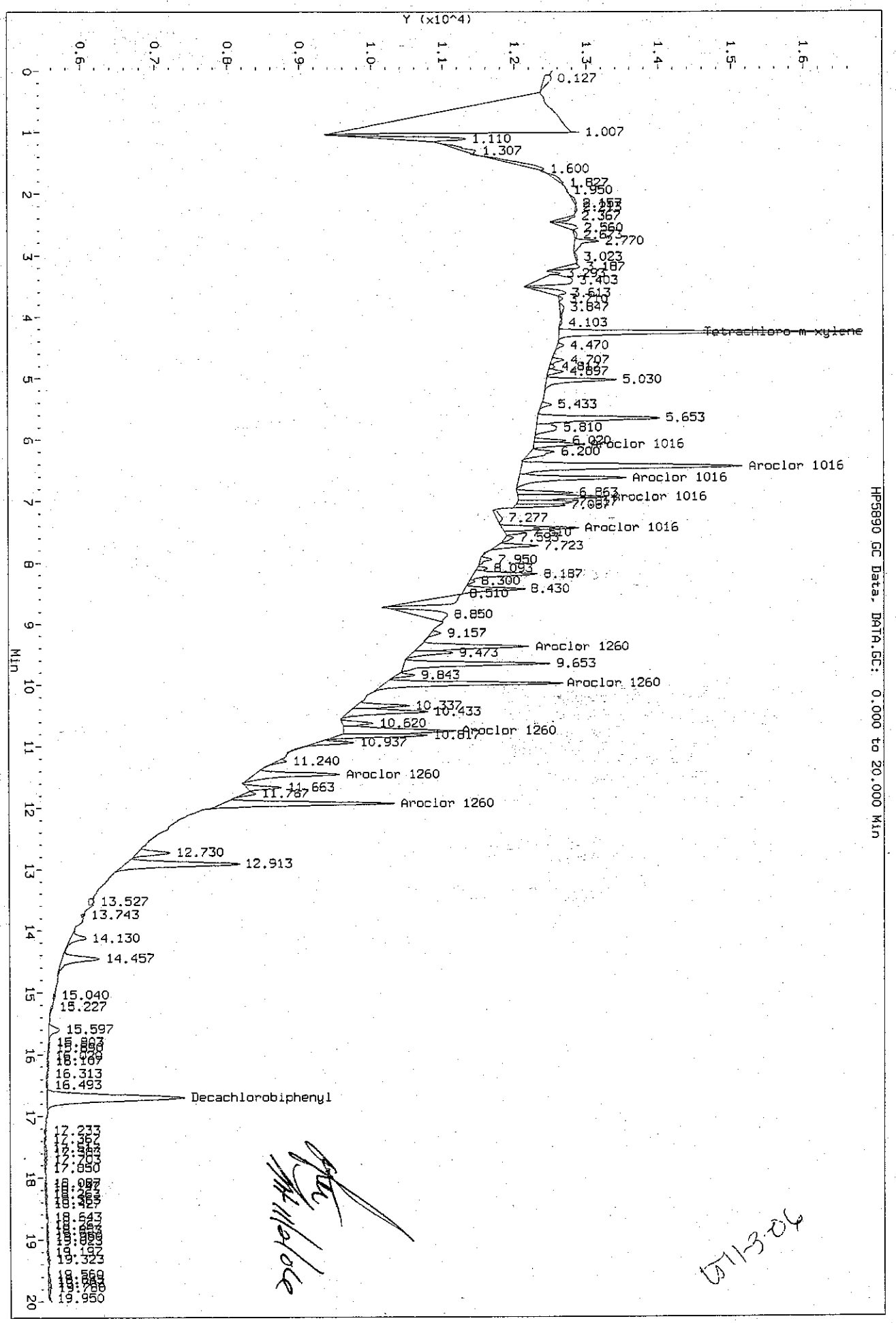
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
Injection Date: 01-NOV-2006 23:46
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F031.D
Injection Date: 01-NOV-2006 23:46
Instrument: GC09.I
Client Sample ID:

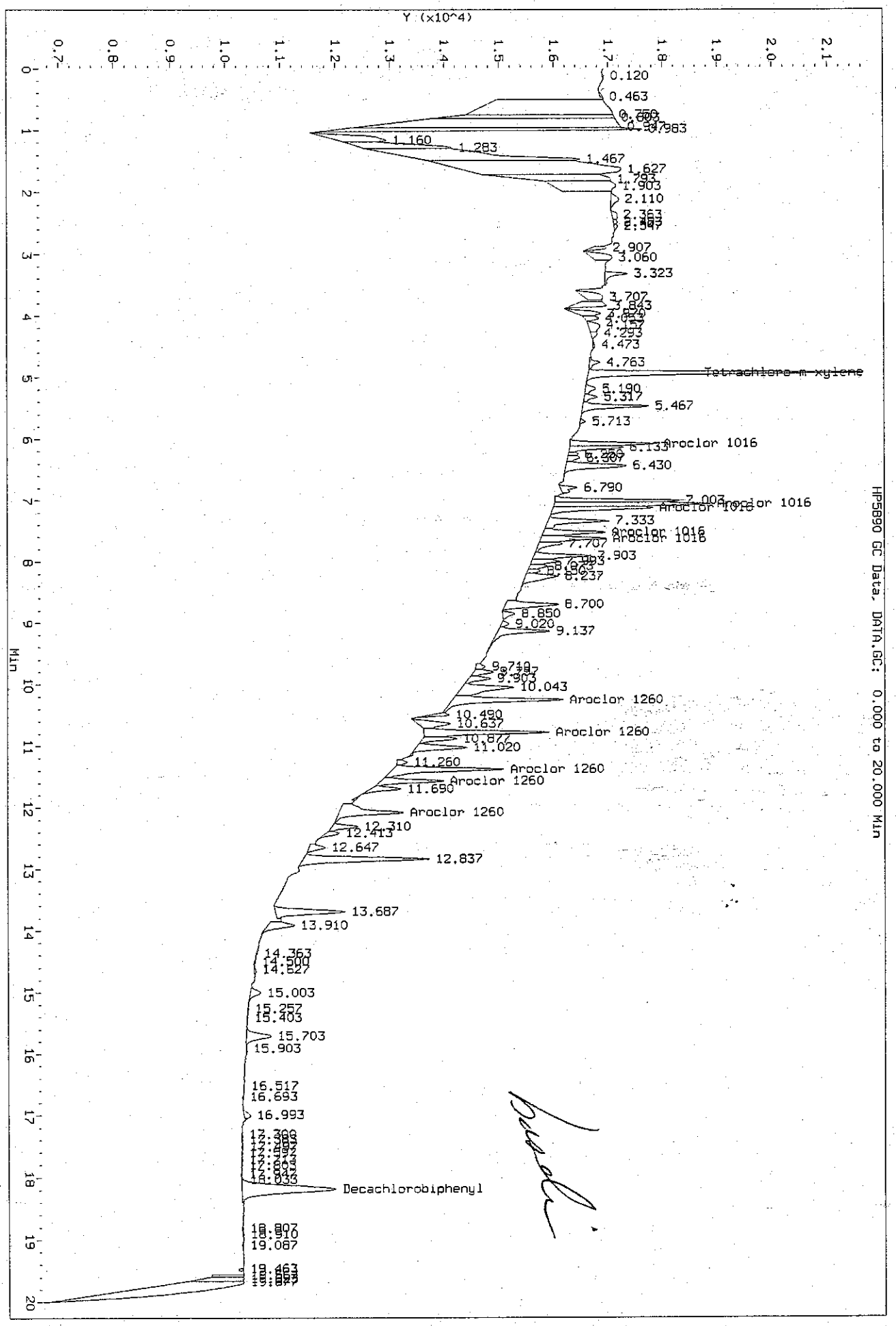


HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min

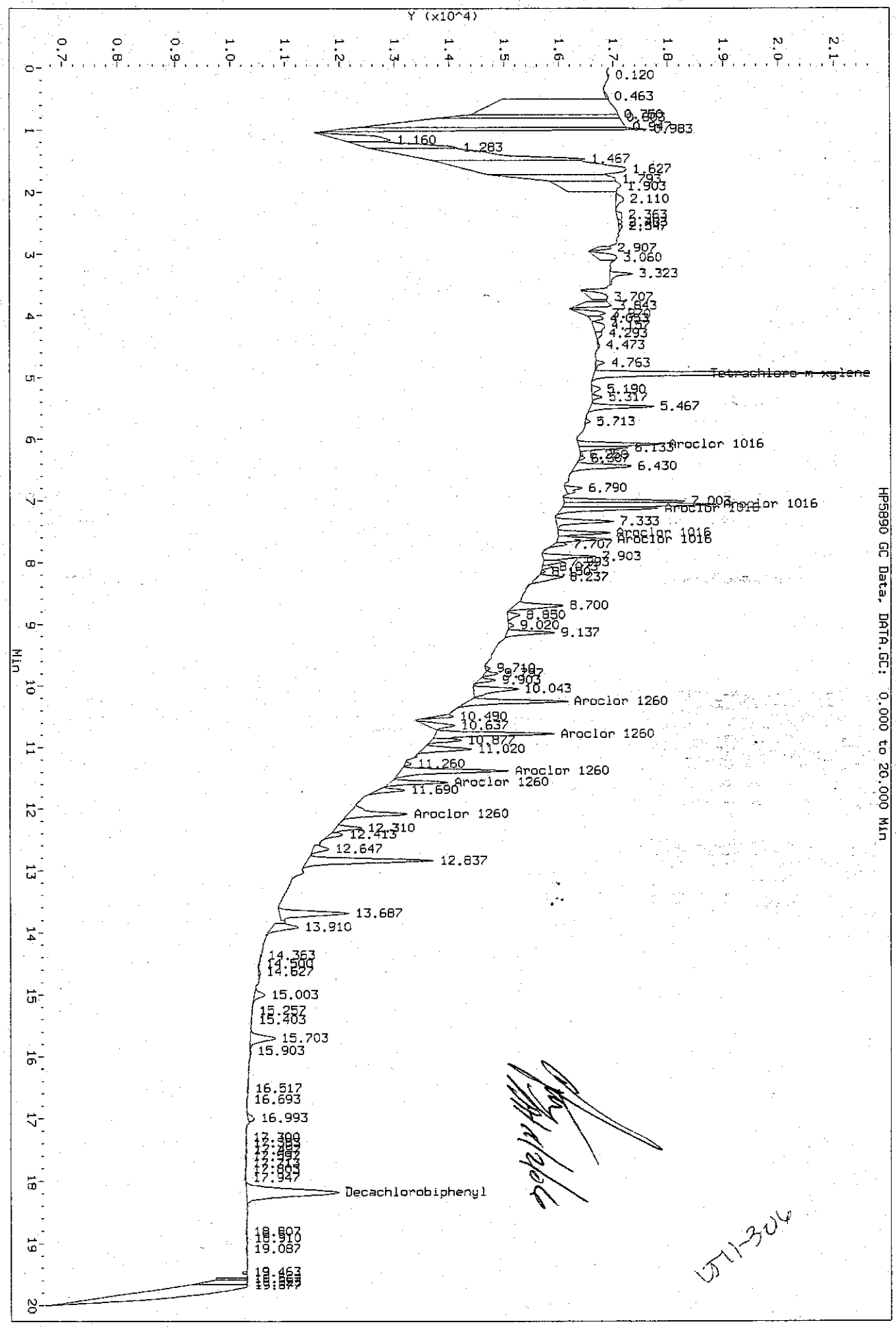
11/1/06

11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\110IR031.D
Injection Date: 01-NOV-2006 23:46
Instrument: GC09.I
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R031.D
Injection Date: 01-NOV-2006 23:46
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D
Inj Date : 02-NOV-2006 00:11
Sample Info: 1660 @ 50ppb | PCB4-80C | KWG0605028-32
Misc Info : SEMIVOA GC\W0605028\32-ICAL.H
Cal Date : 02-NOV-2006 11:08
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.253	4.933	26635	32298	5.44	5.56		100.00(M)
Aroclor 1016	6.077	6.077	5500	10274	58.2	60.6	80.00- 120.00	100.00(M)
	6.437	7.057	29962	21478	61.5	62.5	373.04- 559.56	544.74(M)
	6.620	7.117	11956	13423	57.7	59.0	154.29- 231.44	217.38(M)
	6.933	7.520	10318	7442	60.1	56.3	137.41- 206.12	187.59(M)
	7.433	7.620	8488	8288	58.3	56.2	115.69- 173.54	154.32(M)
		Average of Peak Amounts =			59.2	58.9		
Aroclor 1260	9.373	10.247	13755	14746	58.7	54.6	80.00- 120.00	100.00(M)
	9.977	10.773	19814	17921	56.5	58.6	119.49- 179.24	144.04(M)
	10.747	11.377	17274	17253	51.4	48.1	121.86- 182.79	125.58(M)
	11.450	11.563	11318	7976	52.0	44.3	74.80- 112.19	82.28(M)
	11.927	12.080	21411	11455	47.9	49.7	161.32- 241.98	155.65(M)
		Average of Peak Amounts =			53.3	51.1		
Decachlorobiphenyl	16.703	18.180	27475	27988	5.46	5.52		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

W1-306

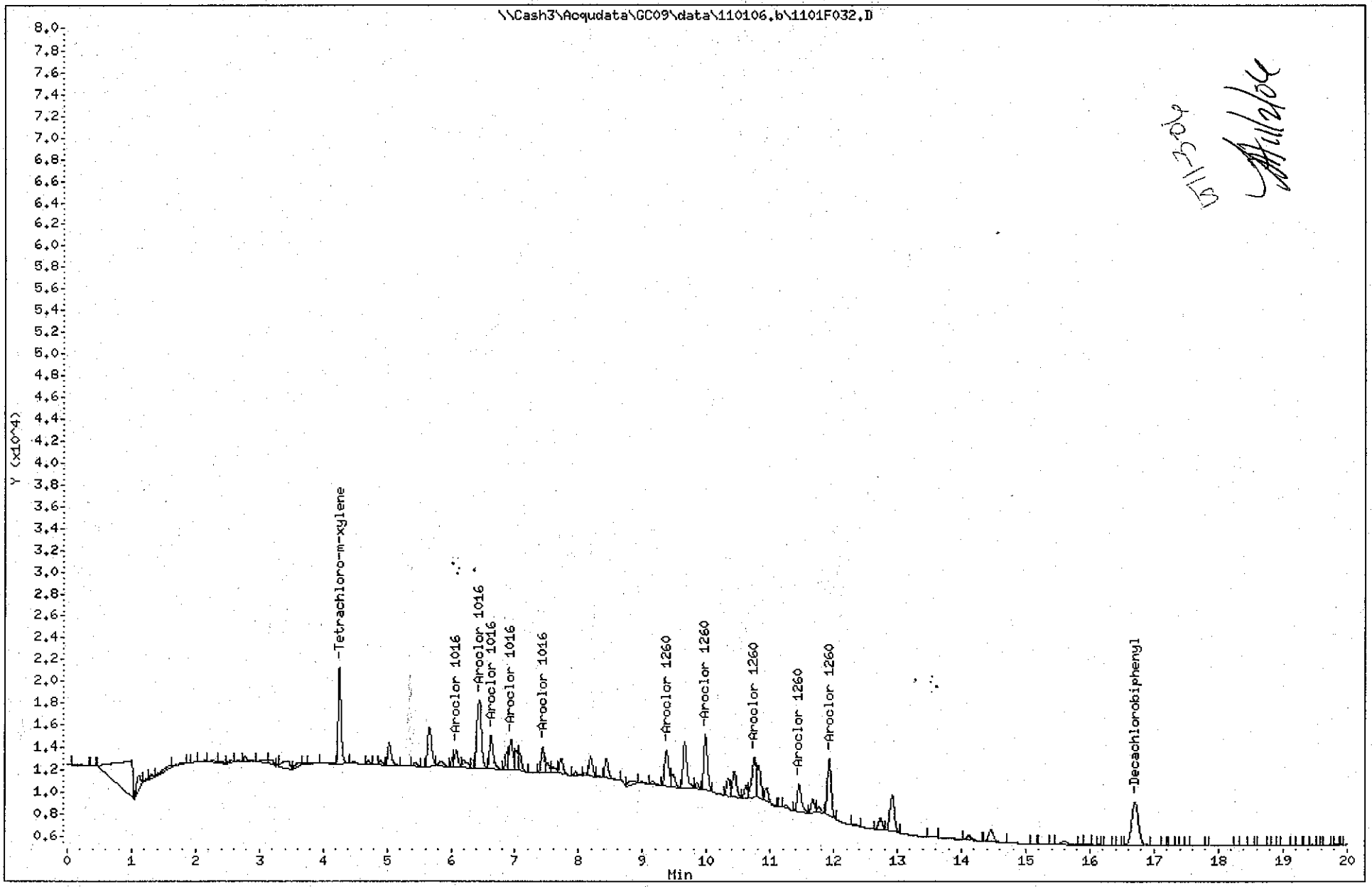
11/2/06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
Date : 02-NOV-2006 00:11
Client ID:
Sample Info: 1660 @ 50ppb | PCB4-80C | KWG0605028-32

Column phase: DB-35MS

Instrument: GC09.i

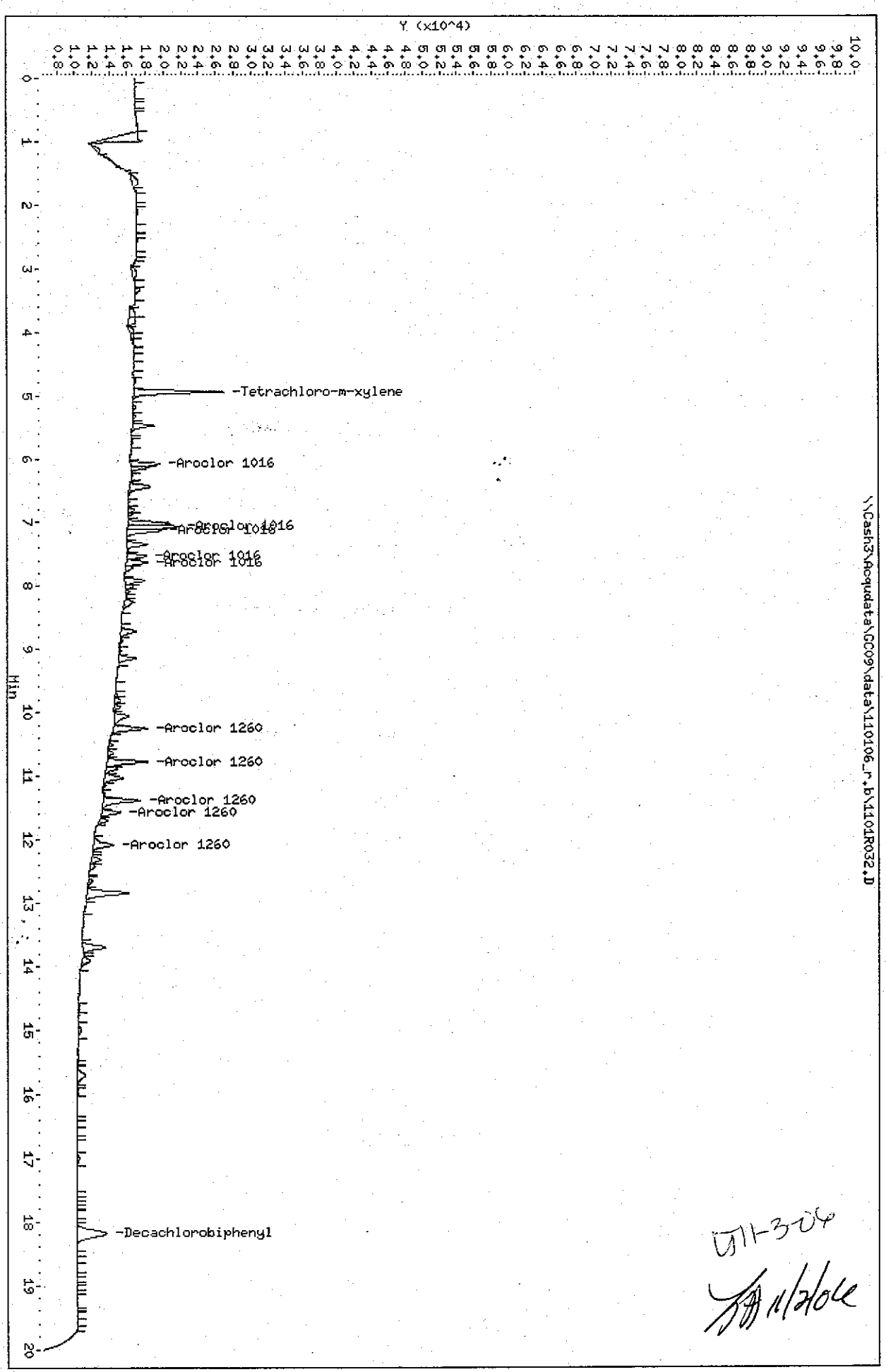
Operator: LHarris
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D
Date : 02-NOV-2006 00:11
Client ID:
Sample Info: 1660 @ 50ppb | PCB4-80C | KWG0605028-32
Column phase: DB-XLB

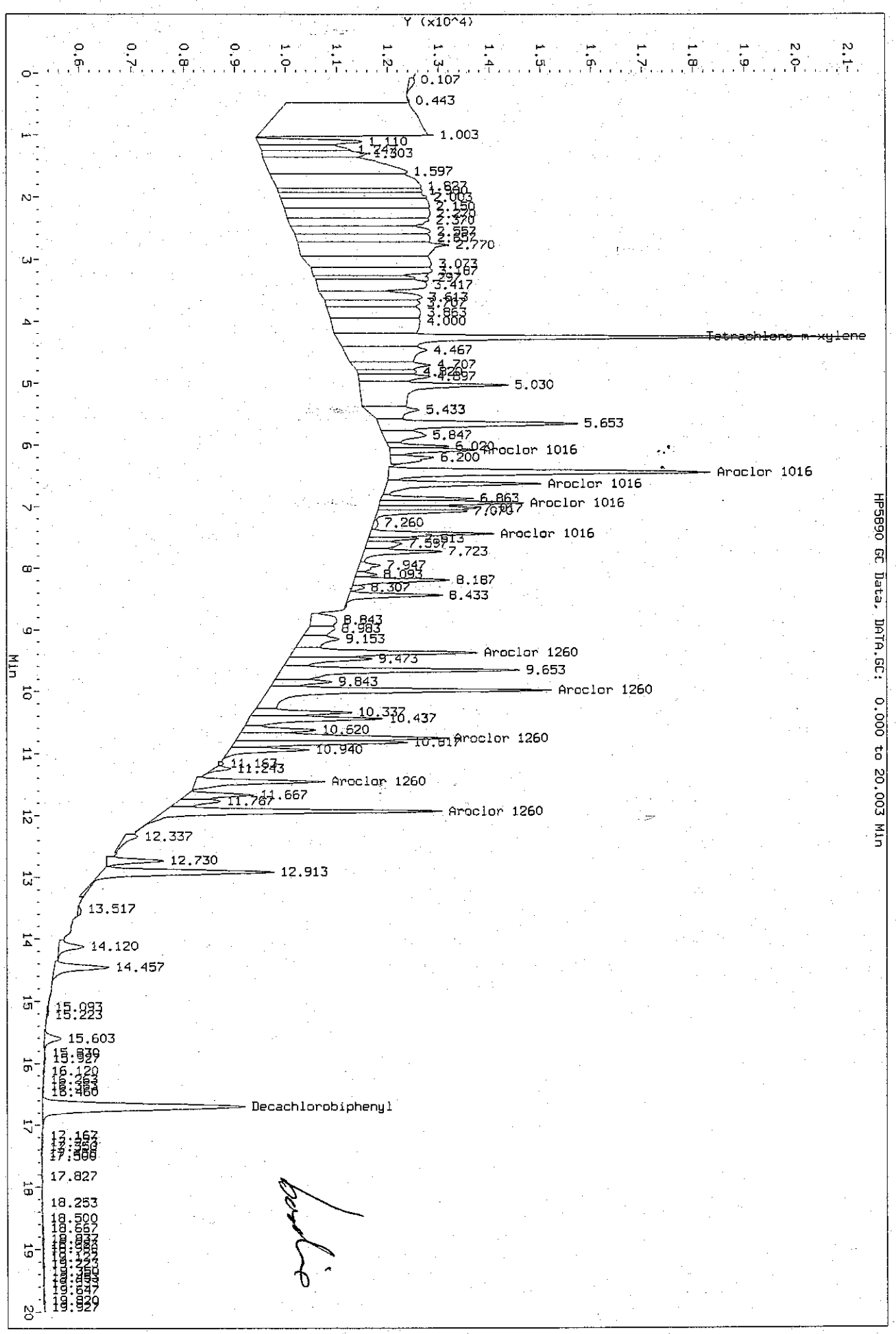
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

\\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D



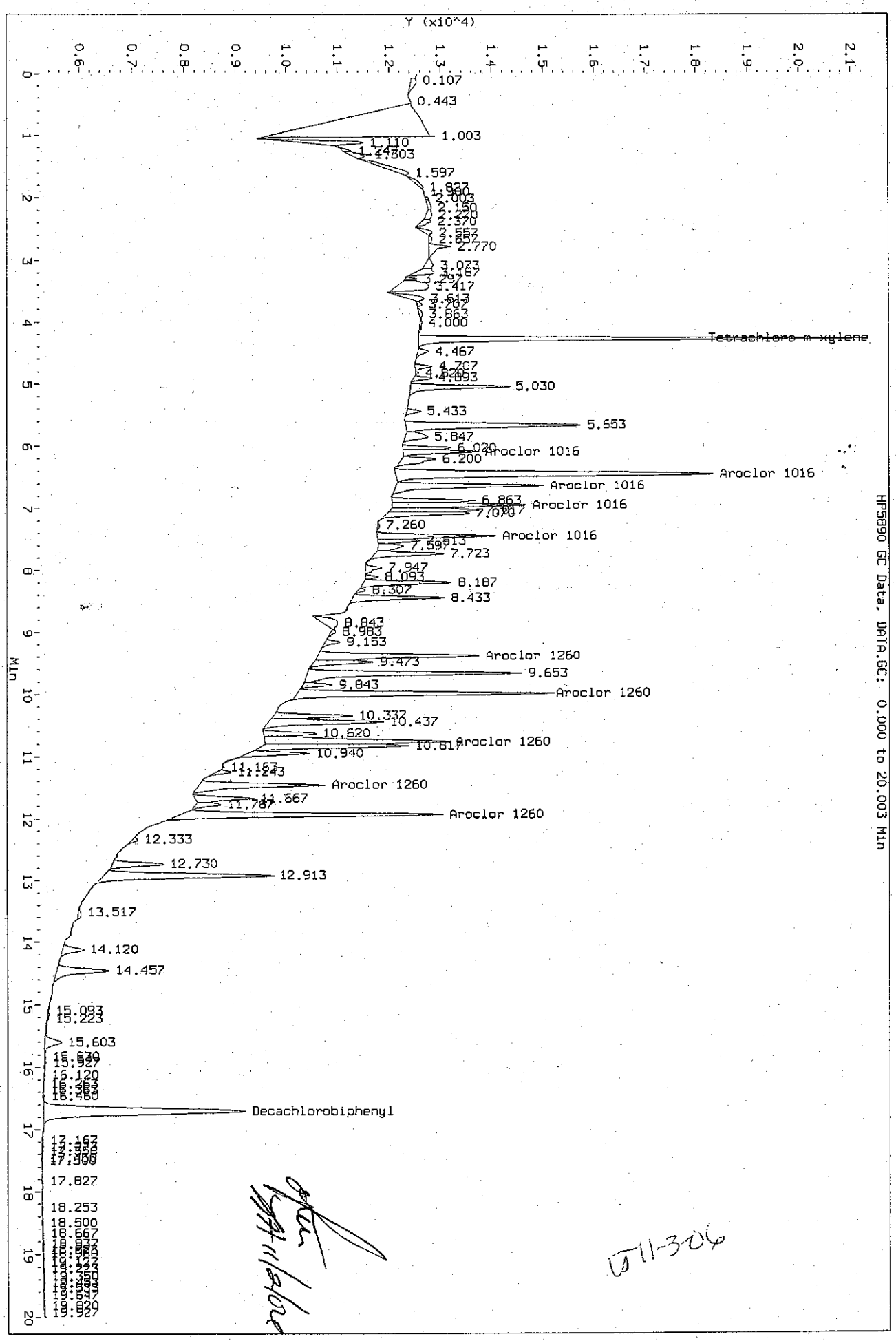
UH-306
11/2/06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
Injection Date: 02-NOV-2006 00:11
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

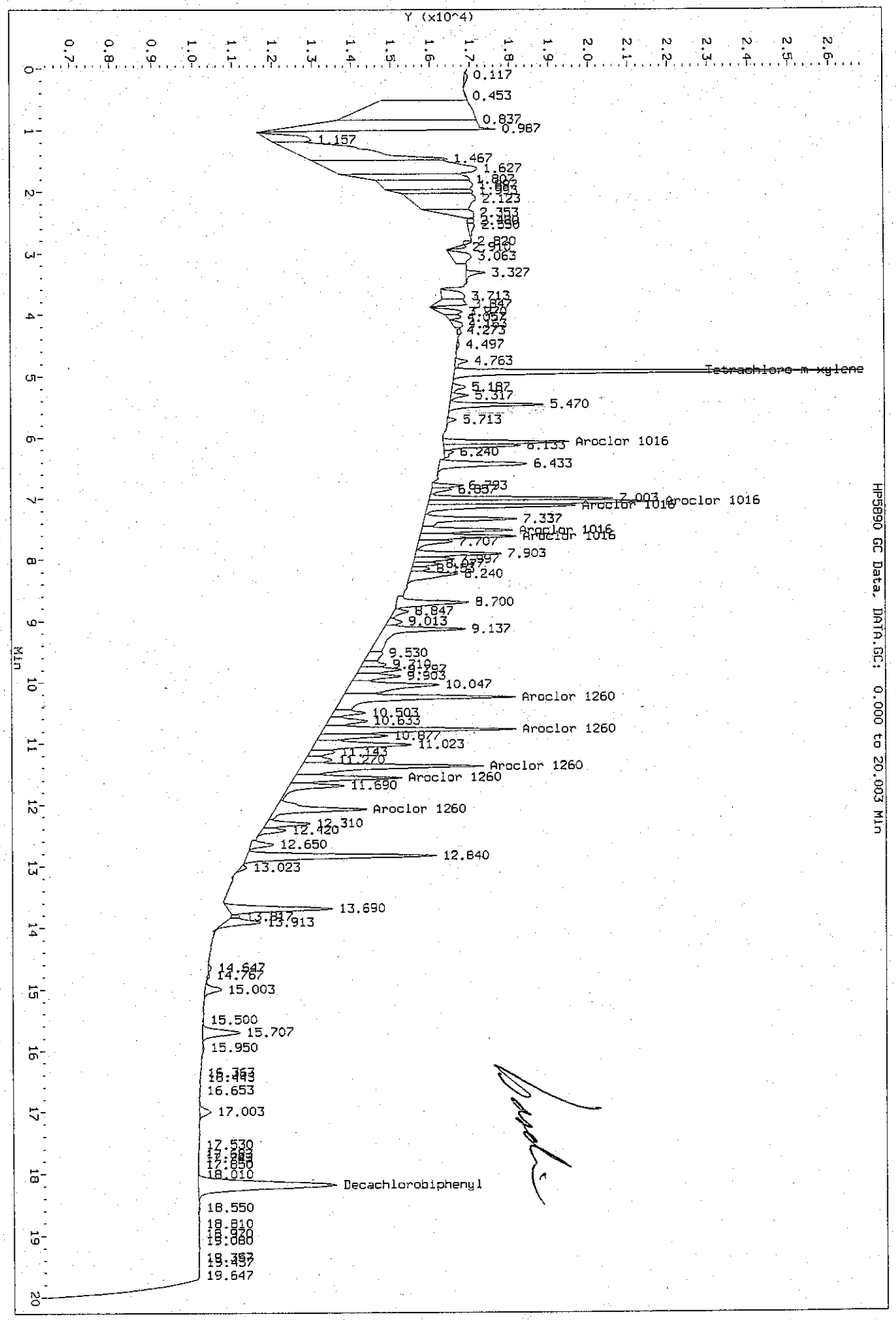
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F032.D
Injection Date: 02-NOV-2006 00:11
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data. DATA.GC: 0.000 to 20.003 Min

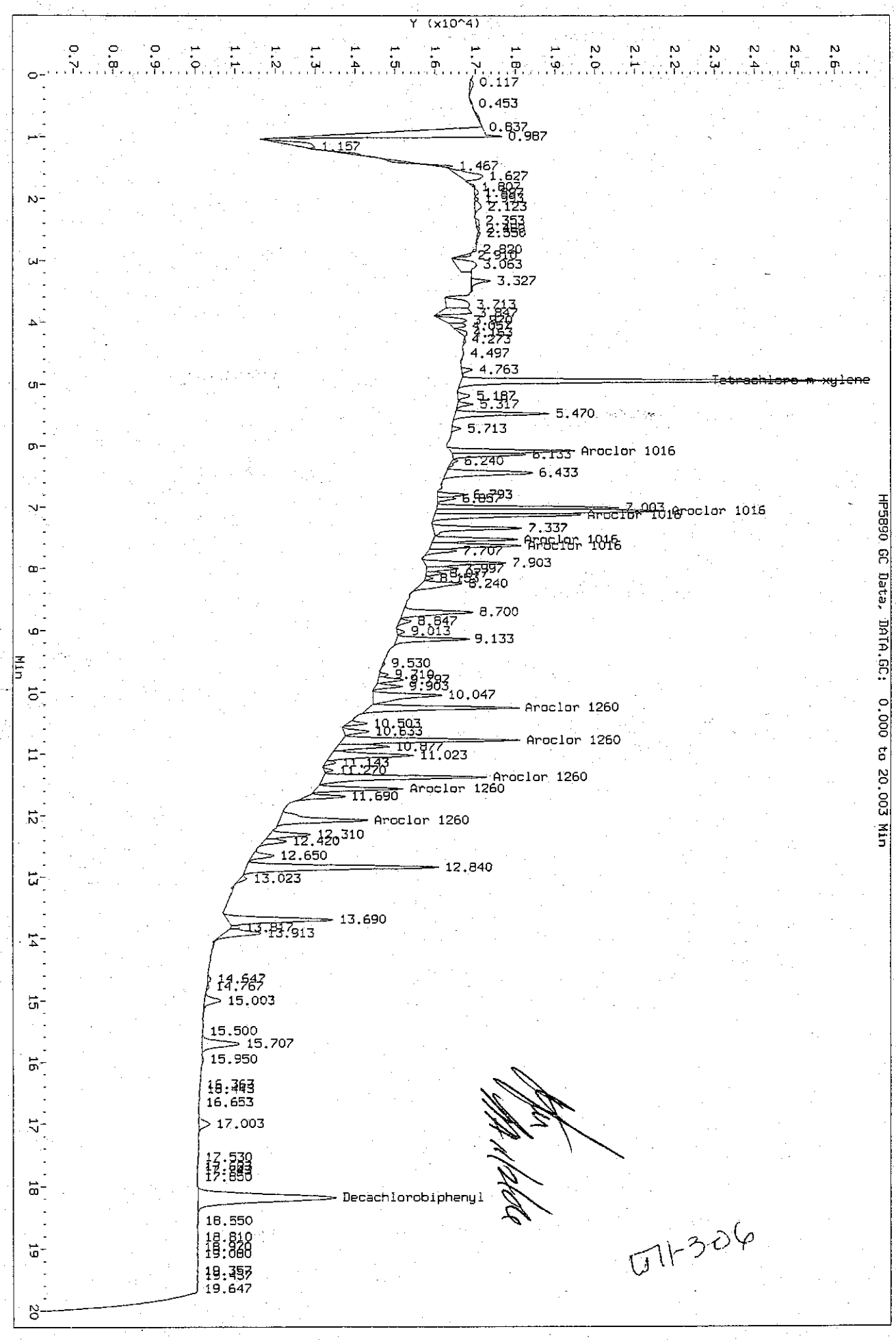
11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D
Injection Date: 02-NOV-2006 00:11
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R032.D
Injection Date: 02-NOV-2006 00:11
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

071-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F033.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F033.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R033.D
Inj Date : 02-NOV-2006 00:35
Sample Info: 1660 @ 500ppb | PCB4-80D | KWG0605028-33
Misc Info : SEMIVOA GC\W0605028\33-ICAL.H
Cal Date : 02-NOV-2006 11:08
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.257	4.937	267599	315357	54.6	52.6		100.00
Aroclor 1016	6.080	6.077	57924	90544	601	514	80.00- 120.00	100.00(M)
	6.440	7.057	264781	178123	542	620	373.04- 559.56	457.11(M)
	6.620	7.117	114043	120888	548	454	154.29- 231.44	196.88(M)
	6.933	7.520	97995	74855	568	506	137.41- 206.12	169.18(M)
	7.433	7.620	81878	83726	561	512	115.69- 173.54	141.35(M)
		Average of Peak Amounts =			564	521		
Aroclor 1260	9.373	10.247	124457	148190	531	463	80.00- 120.00	100.00
	9.977	10.773	190263	164437	542	495	119.49- 179.24	152.87
	10.750	11.377	189804	201703	565	506	121.86- 182.79	152.51
	11.450	11.563	117346	106117	539	510	74.80- 112.19	94.29
	11.927	12.080	254835	123028	570	475	161.32- 241.98	204.76
		Average of Peak Amounts =			549	490		
Decachlorobiphenyl	16.703	18.180	268672	269545	53.4	50.1		100.00

QC Flag Legend

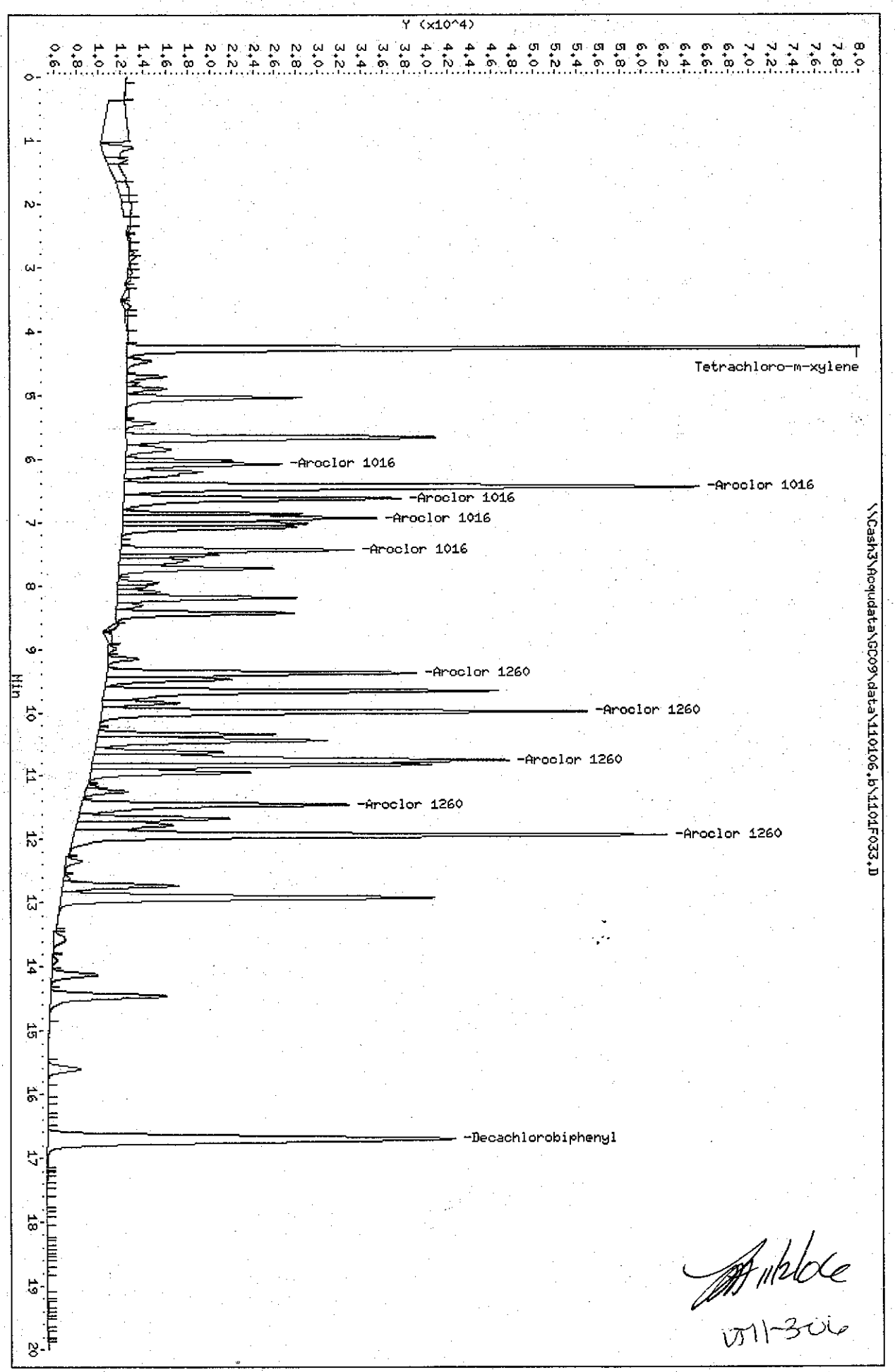
M - Compound response manually integrated.

11/2/06

11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F033.D
Date : 02-NOV-2006 00:35
Client ID:
Sample Info: 1660 @ 500ppb | PCB4-80D | KWG0605028-33
Column phase: DB-35MS

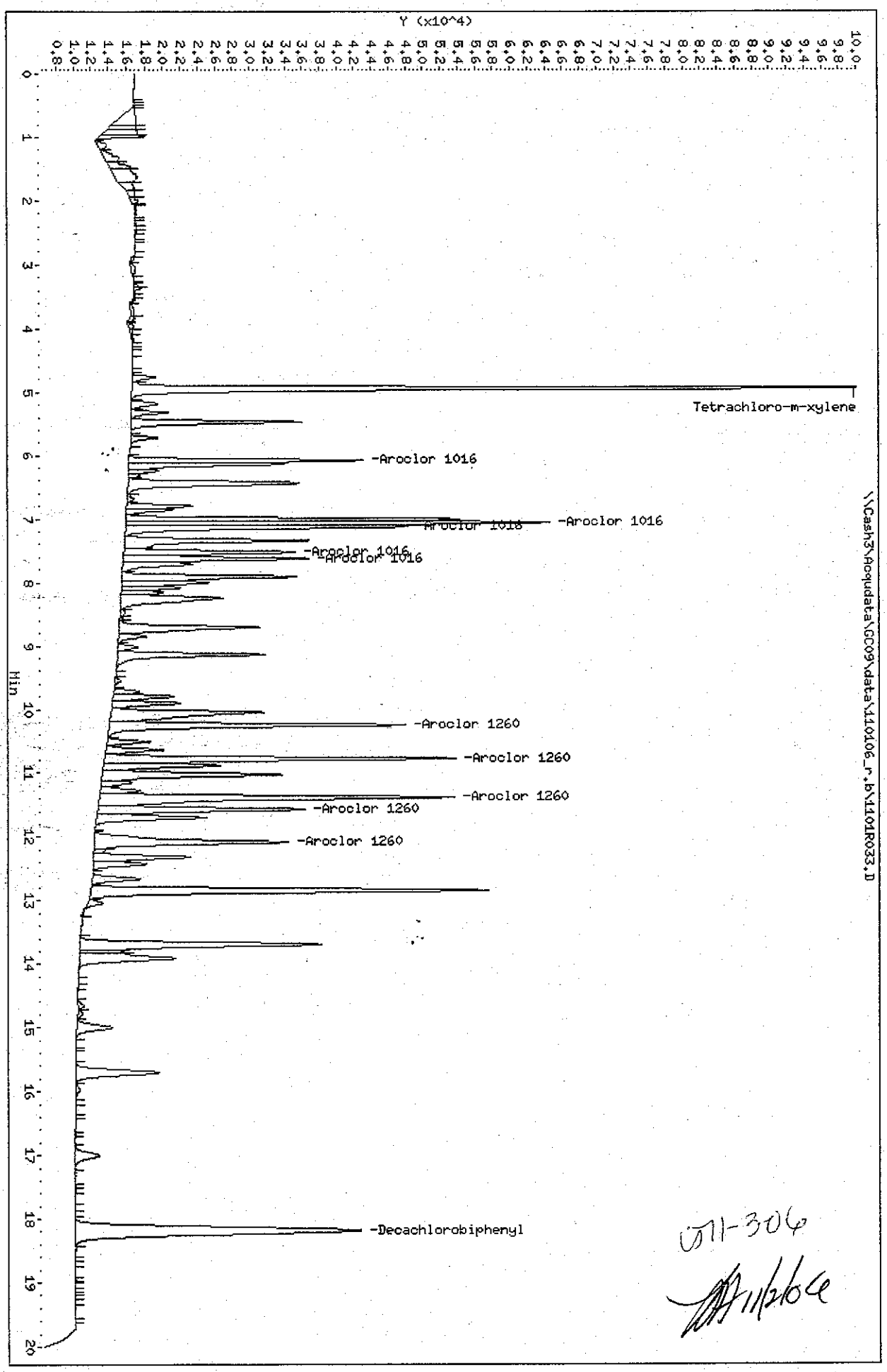
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



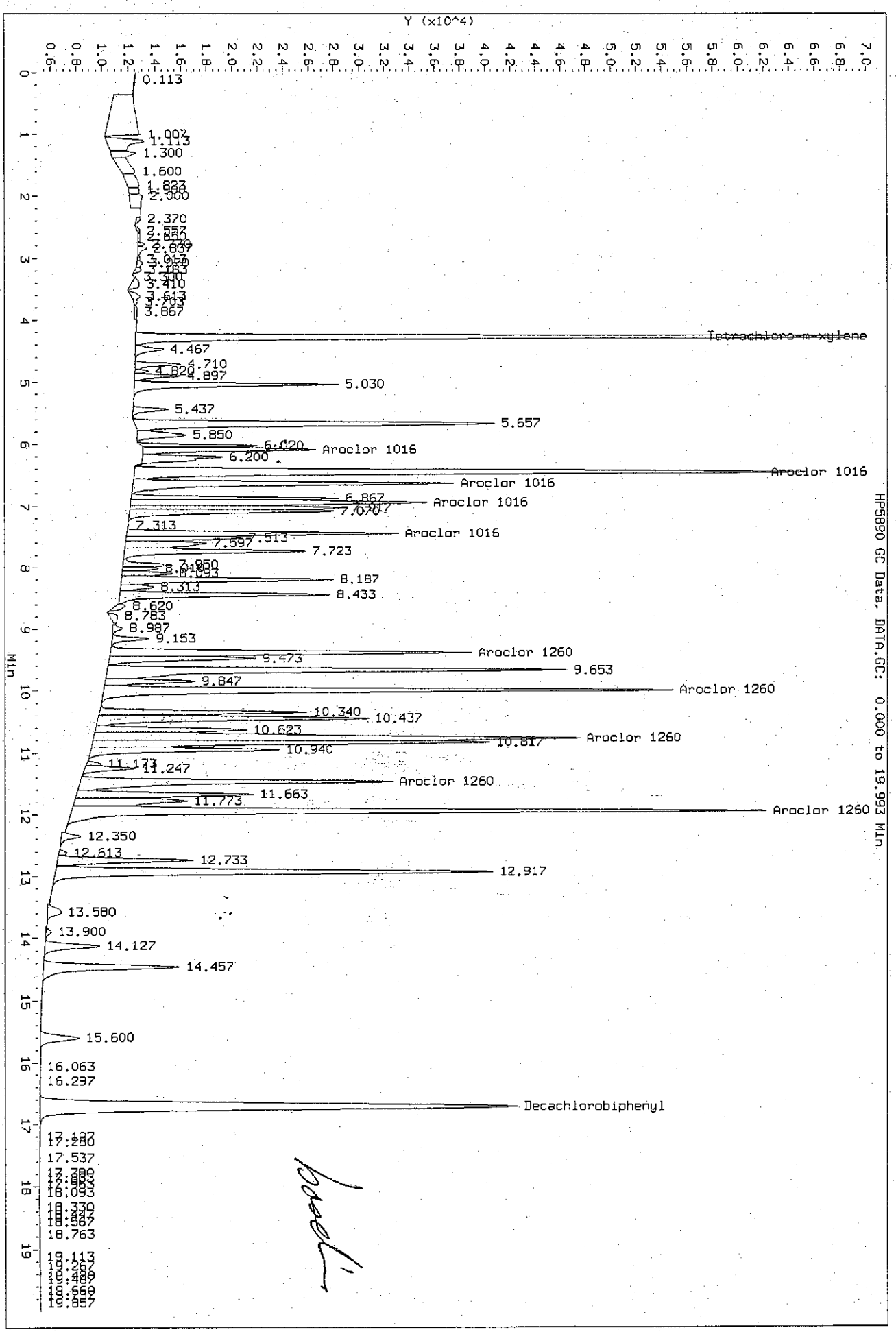
11/2/06

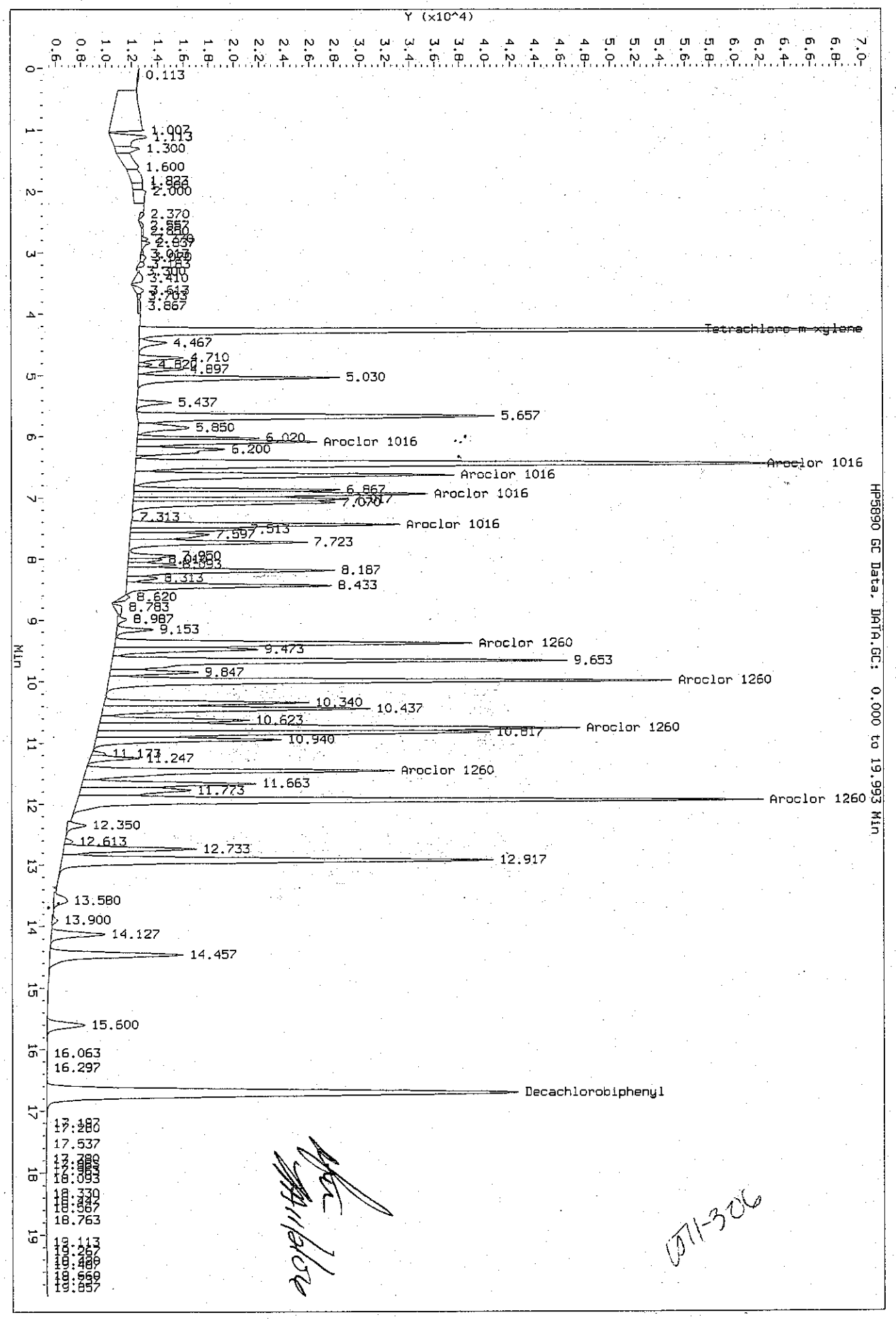
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R033.D
Date : 02-NOV-2006 00:35
Client ID:
Sample Info: 1660 @ 500ppb | PCB4-80D | KWG0605028-33
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



011-306
11/2/06


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101f033.D
Injection Date: 02-NOV-2006 00:35
Instrument: GC09.I
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 19.993 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Decachlorobiphenyl


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F033.D
Injection Date: 02-NOV-2006 00:35
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data. DATA.GC: 0.000 to 19.993 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Decachlorobiphenyl

0711-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R034.D
Inj Date : 02-NOV-2006 00:59
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0605028-34
Misc Info : SEMIVOA GC\W0605028\34-ICAL.H
Cal Date : 02-NOV-2006 11:08
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.257	4.937	498722	582265	102	100		100.00
Aroclor 1016	6.080	6.077	107219	163638	1090	963	80.00- 120.00	100.00(M)
	6.440	7.057	479530	331335	974	959	373.04- 559.56	447.24(M)
	6.620	7.117	211112	224167	1010	984	154.29- 231.44	196.90(M)
	6.930	7.520	174666	136215	1000	1030	137.41- 206.12	162.91(M)
	7.433	7.620	151057	154896	1030	1050	115.69- 173.54	140.89(M)
		Average of Peak Amounts =			1020	997		
Aroclor 1260	9.373	10.247	228652	265889	976	992	80.00- 120.00	100.00
	9.977	10.773	346391	298158	988	977	119.49- 179.24	151.49
	10.750	11.377	356951	380640	1060	1060	121.86- 182.79	156.11
	11.453	11.567	223958	200190	1030	1110	74.80- 112.19	97.95
	11.930	12.080	484939	239056	1080	1040	161.32- 241.98	212.09
		Average of Peak Amounts =			1030	1040		
Decachlorobiphenyl	16.707	18.183	507645	509883	101	100		100.00

QC Flag Legend

M - Compound response manually integrated.

11/2/06
1511-3-06

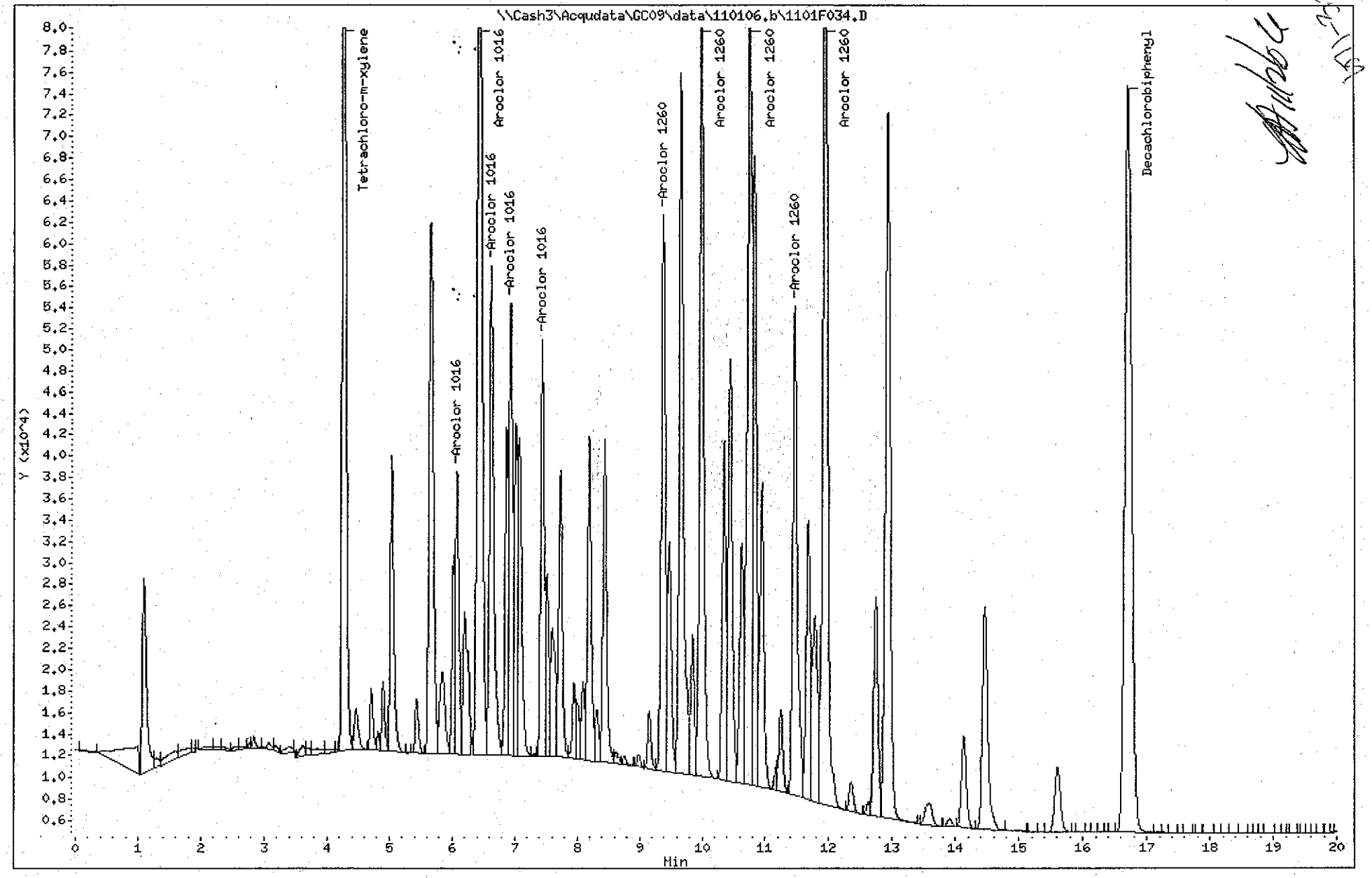
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
Date : 02-NOV-2006 00:59
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0605028-34

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



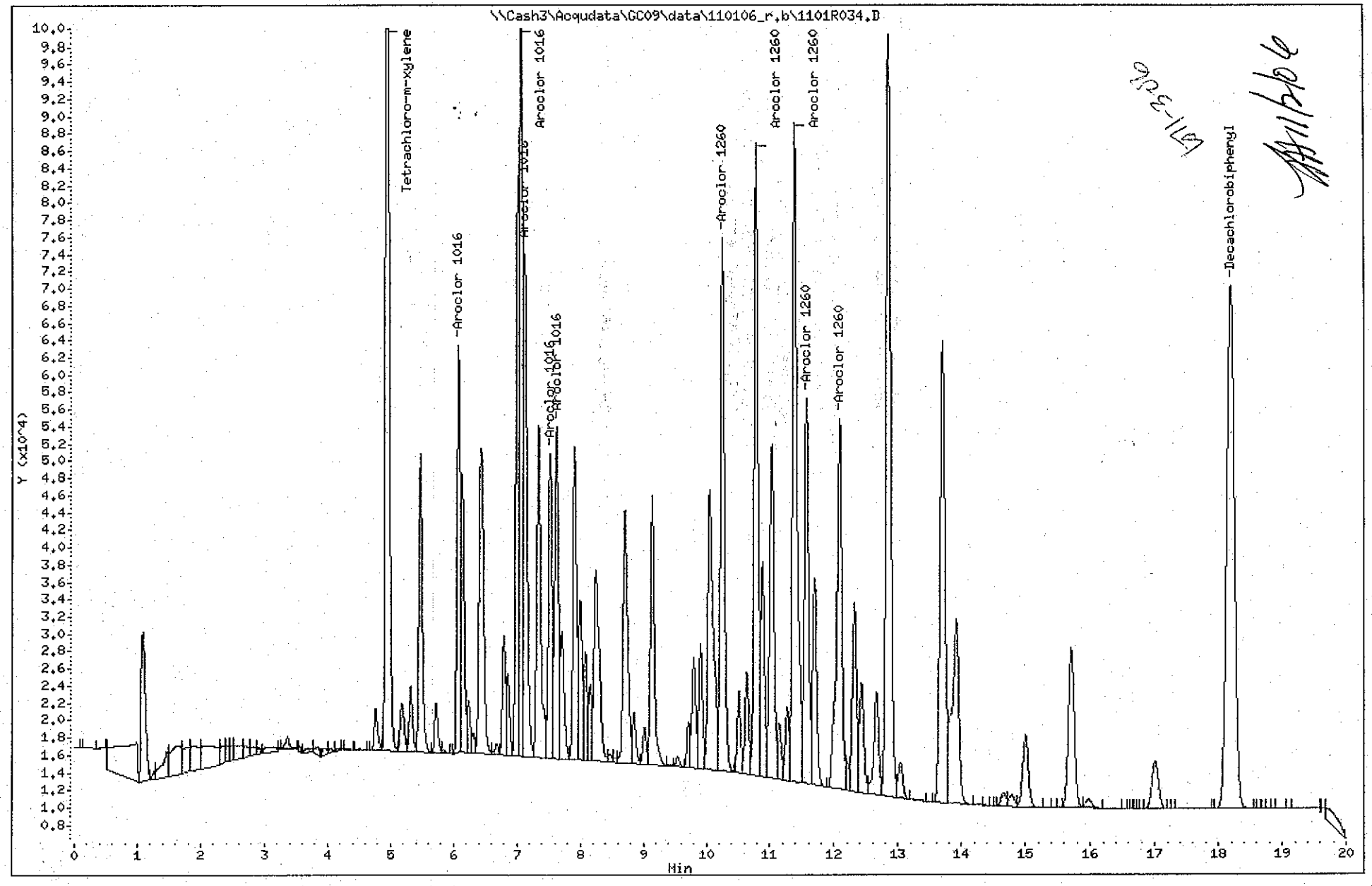
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R034.D
Date : 02-NOV-2006 00:59
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0605028-34

Instrument: GC09.i

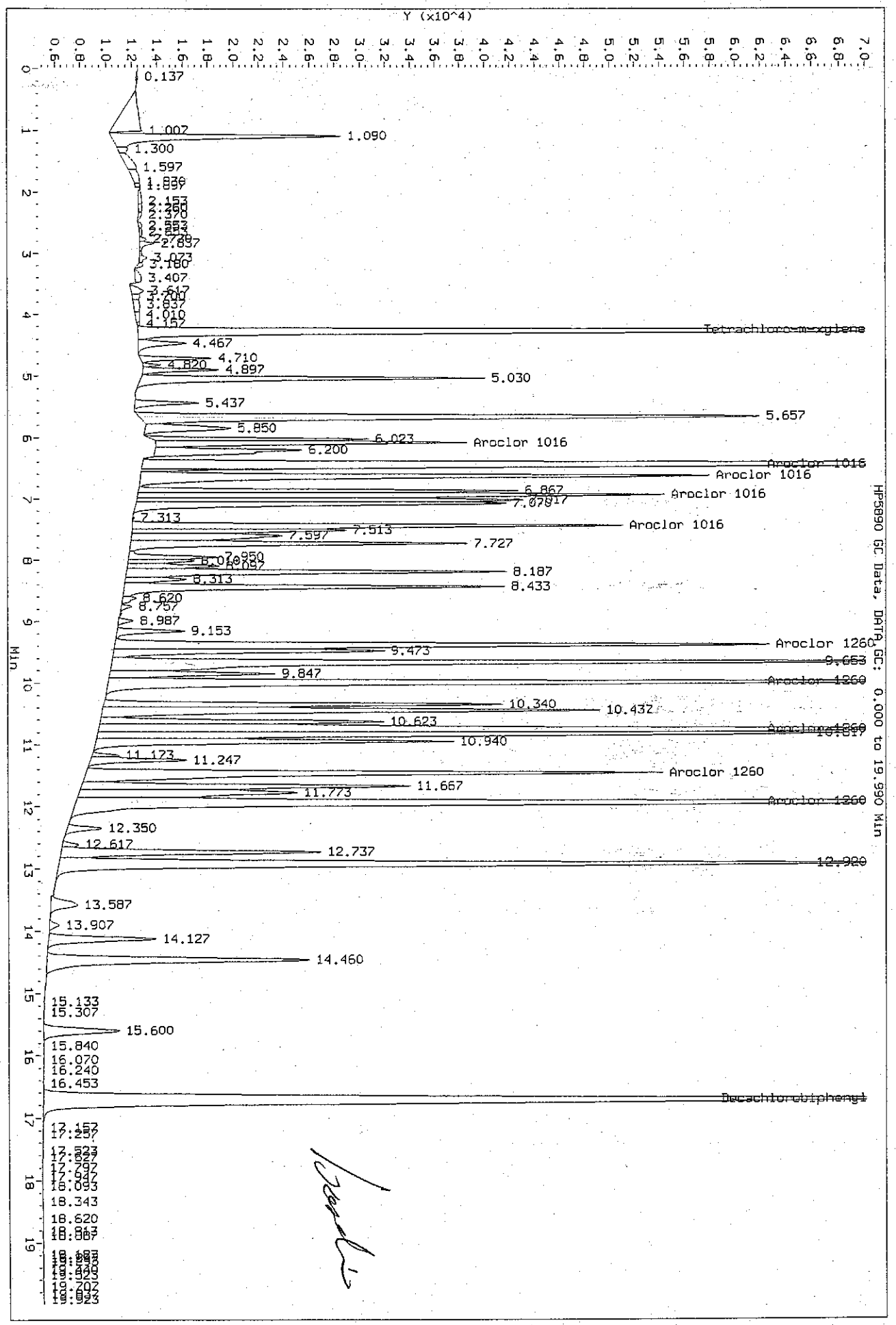
Operator: LHarris

Column phase: DB-XLB

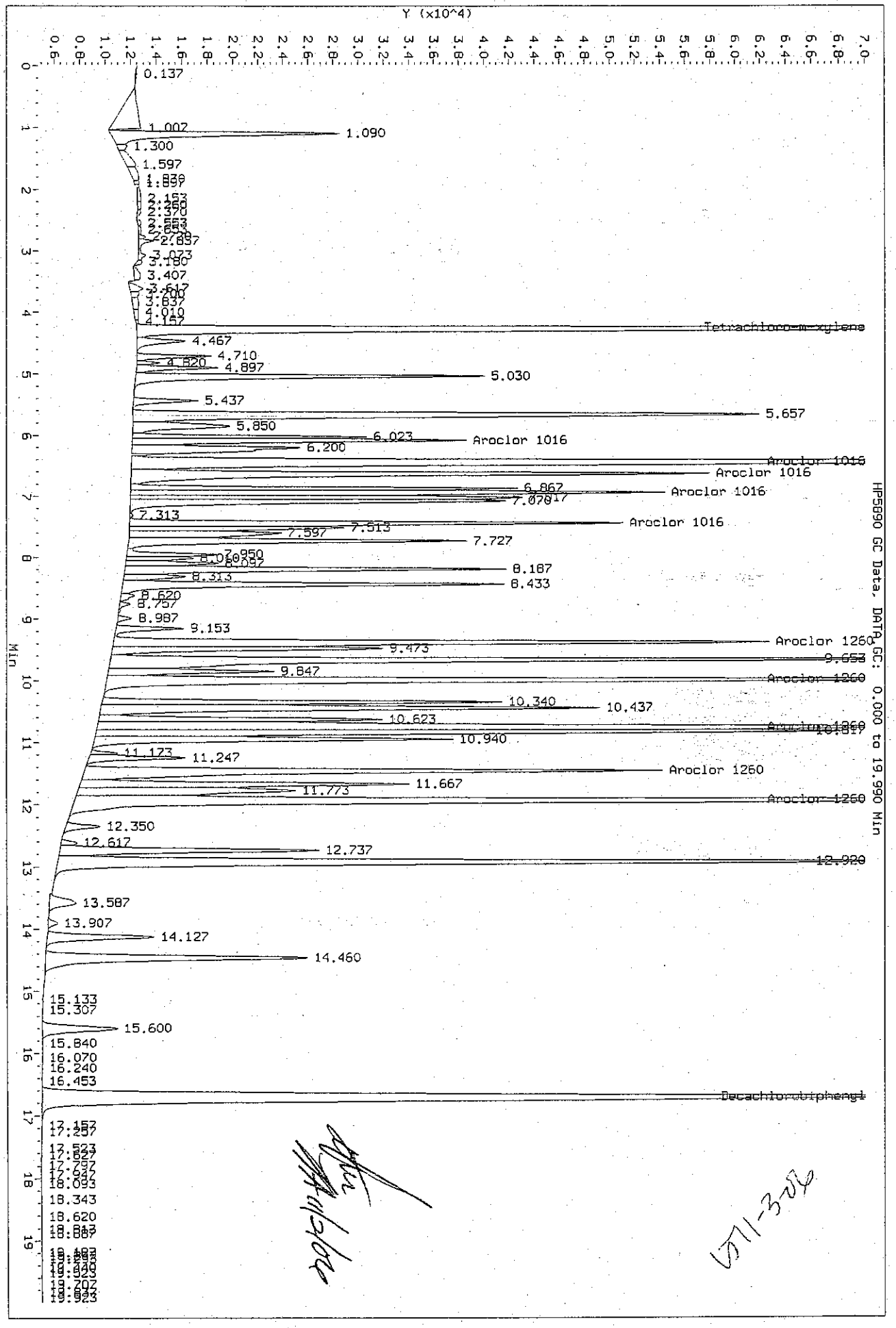
Column diameter: 0.53

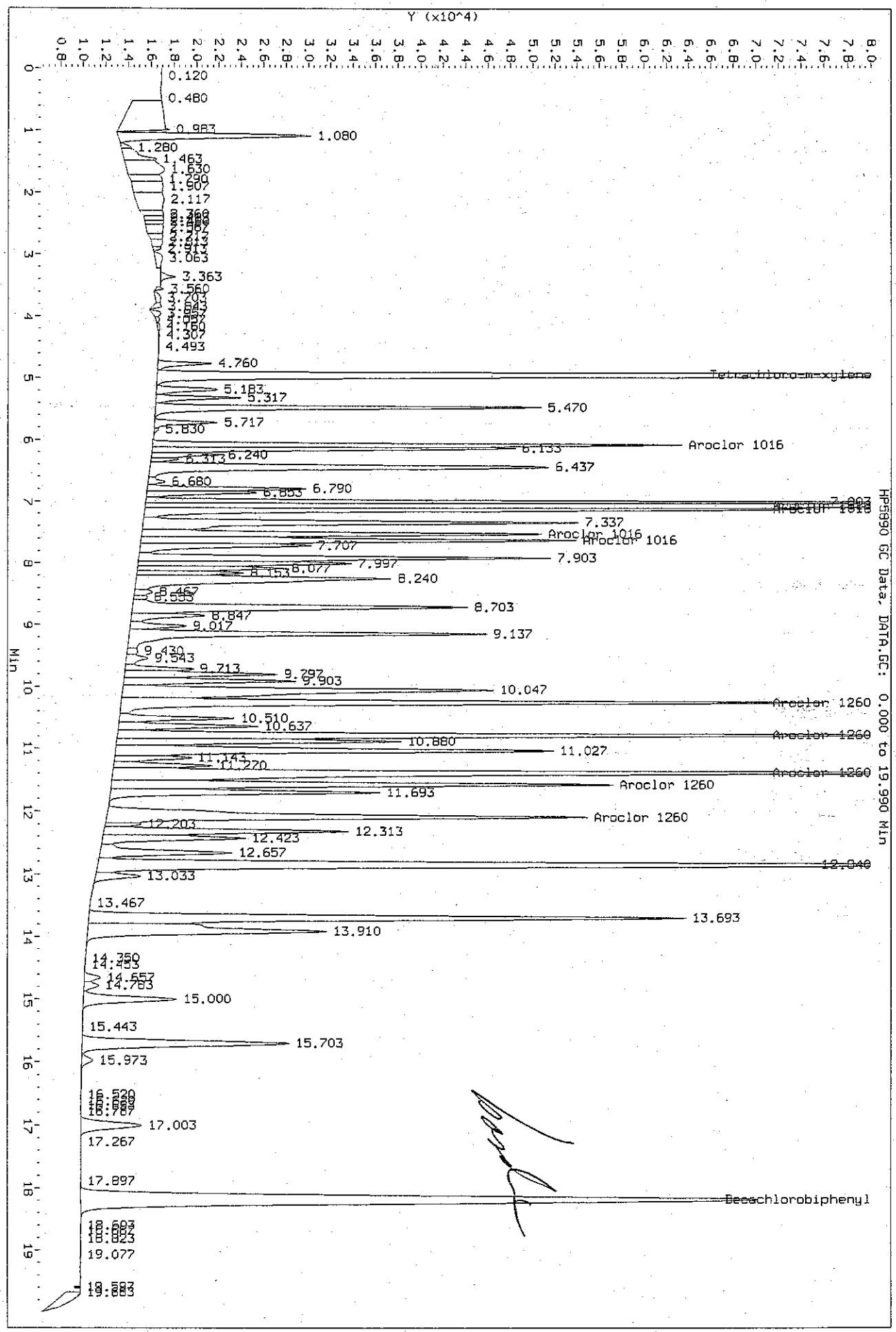


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
Injection Date: 02-NOV-2006 00:59
Instrument: GC09.i
Client Sample ID:

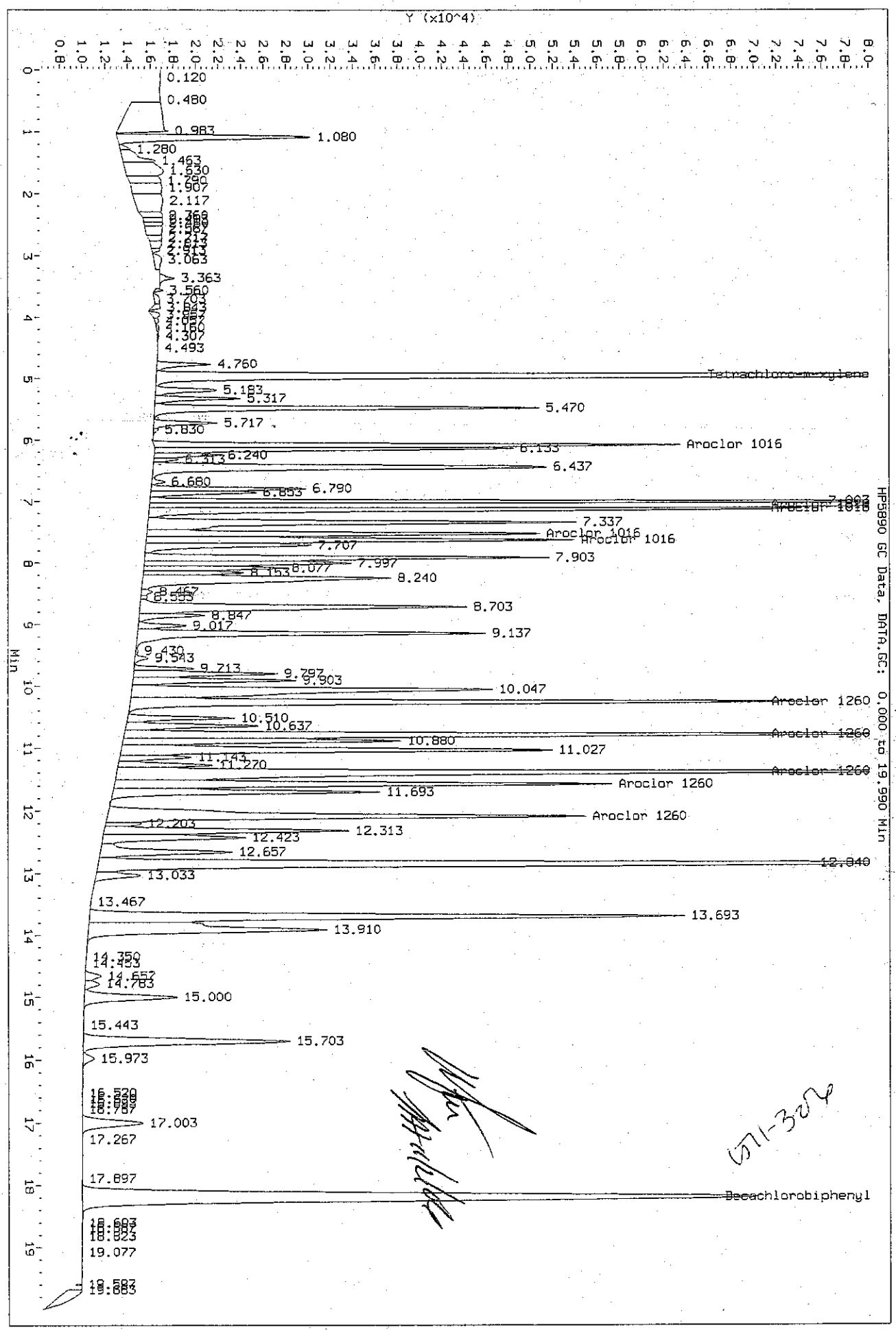


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F034.D
Injection Date: 02-NOV-2006 00:59
Instrument: GC09.1
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R034.D
Injection Date: 02-NOV-2006 00:59
Instrument: GC09.I
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 19.990 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Decachlorobiphenyl

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R034.D
Injection Date: 02-NOV-2006 00:59
Instrument: GC09.I
Client Sample ID:



571-3202

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R035.D
Inj Date : 02-NOV-2006 01:24
Sample Info: 1660 @ 2000ppb | PCB4-79E | KWG0605028-34
Misc Info : SEMIVOA GC\W0605028\34-ICAL.H
Cal Date : 02-NOV-2006 11:08
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.257	4.937	937077	1084575	191	187		100.00(M)
Aroclor 1016	6.080	6.077	197614	291911	1960	1720	80.00- 120.00	100.00(M)
	6.440	7.057	858261	602708	1740	1740	373.04- 559.56	434.31(M)
	6.620	7.113	379632	416091	1800	1820	154.29- 231.44	192.11(M)
	6.930	7.517	327999	247335	1880	1880	137.41- 206.12	165.98(M)
	7.433	7.620	269745	286082	1840	1940	115.69- 173.54	136.50(M)
		Average of Peak Amounts =			1840	1820		
Aroclor 1260	9.373	10.247	415861	491930	1780	1840	80.00- 120.00	100.00
	9.977	10.773	634573	553346	1810	1810	119.49- 179.24	152.59
	10.750	11.377	691459	729517	2060	2040	121.86- 182.79	166.27
	11.453	11.567	430192	381728	1980	2120	74.80- 112.19	103.45
	11.927	12.080	928133	467080	2080	2030	161.32- 241.98	223.18
		Average of Peak Amounts =			1940	1970		
Decachlorobiphenyl	16.703	18.183	963374	963594	191	190		100.00

QC Flag Legend

M - Compound response manually integrated.

11/2/06

VT1-326

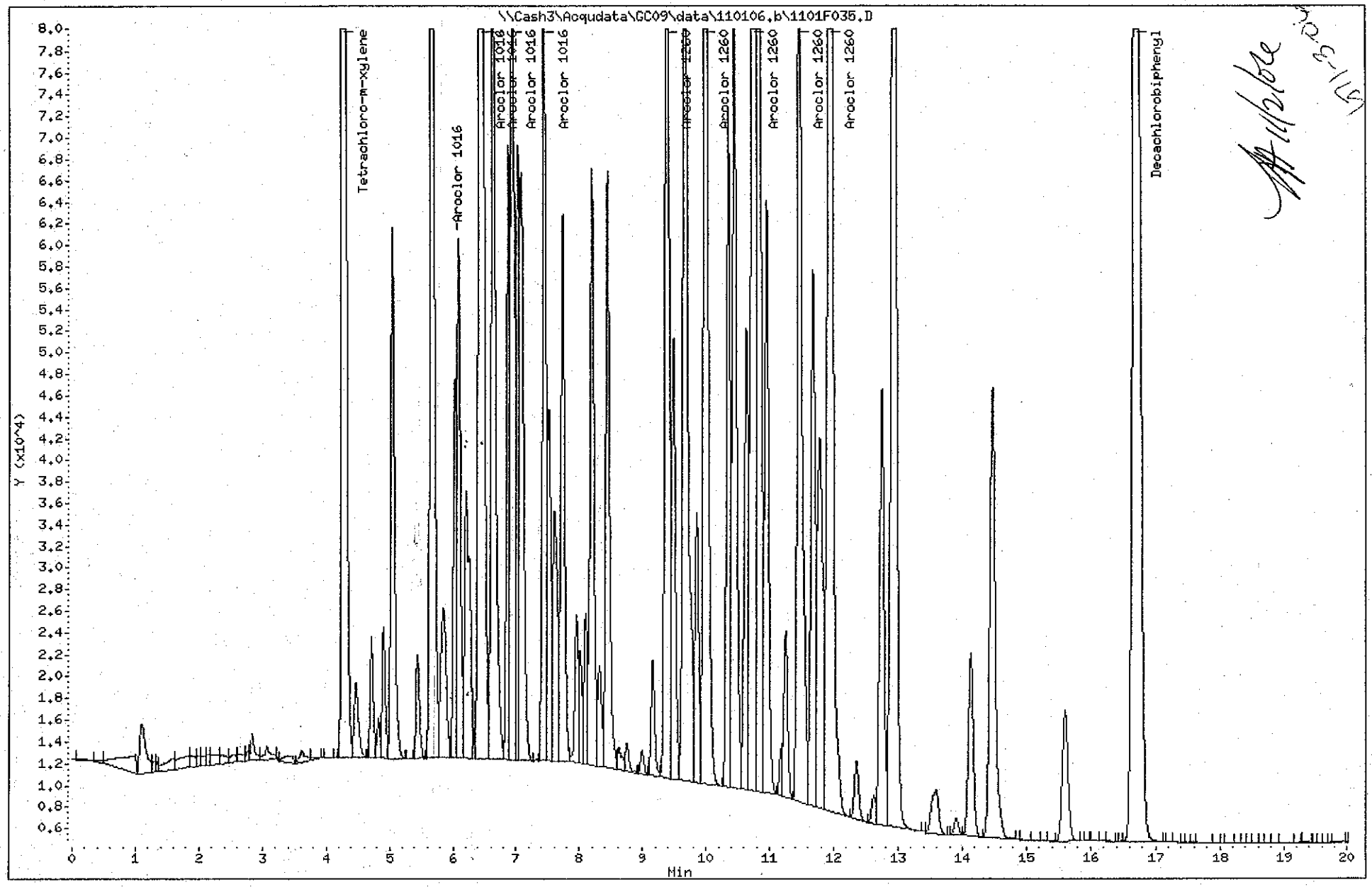
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
Date : 02-NOV-2006 01:24
Client ID:
Sample Info: 1660 @ 2000ppb | PCB4-79E | KWG0605028-34

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



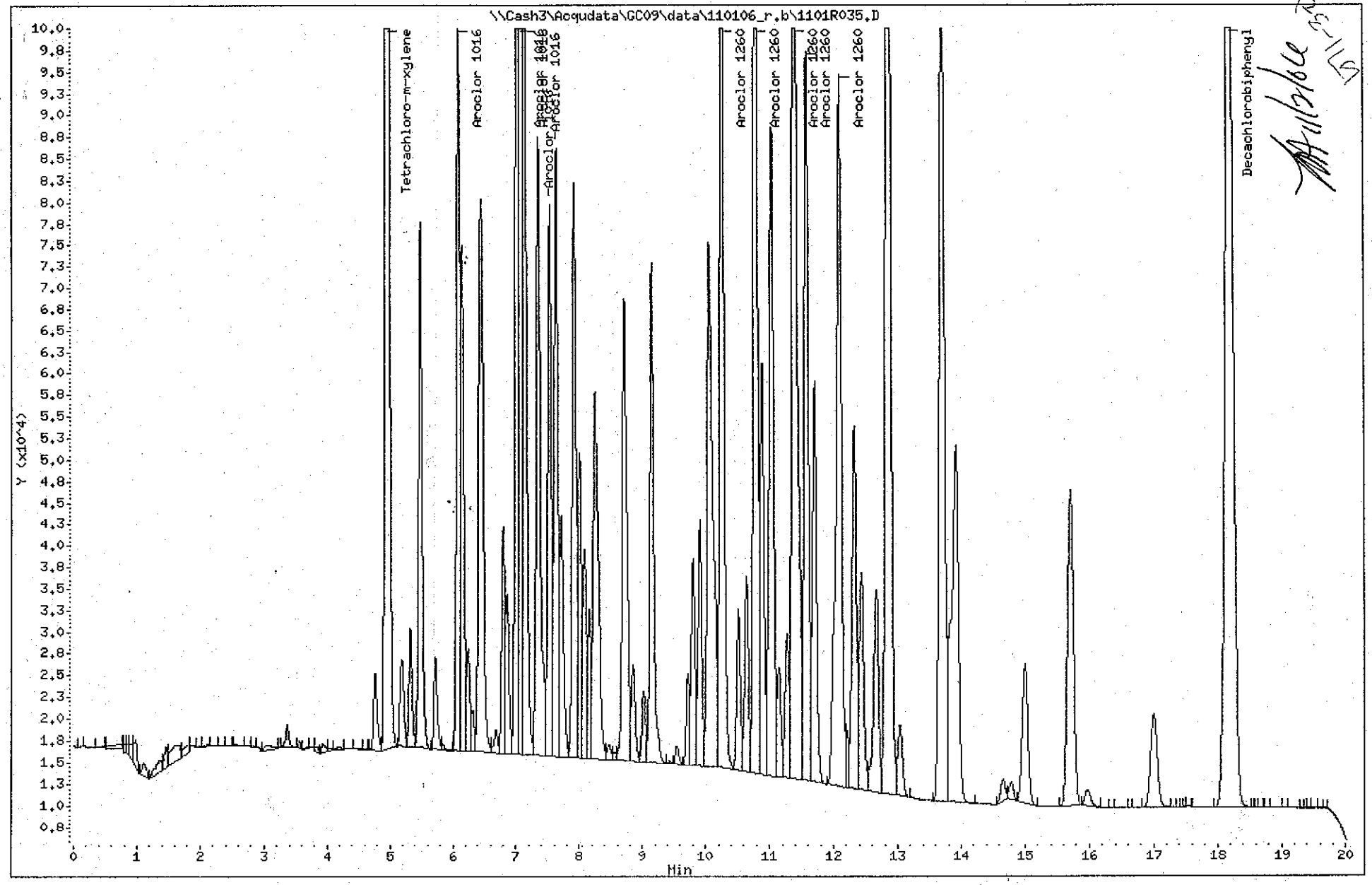
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R035.D
Date : 02-NOV-2006 01:24
Client ID:
Sample Info: 1660 @ 2000ppb | PCB4-79E | KWG0605028-34

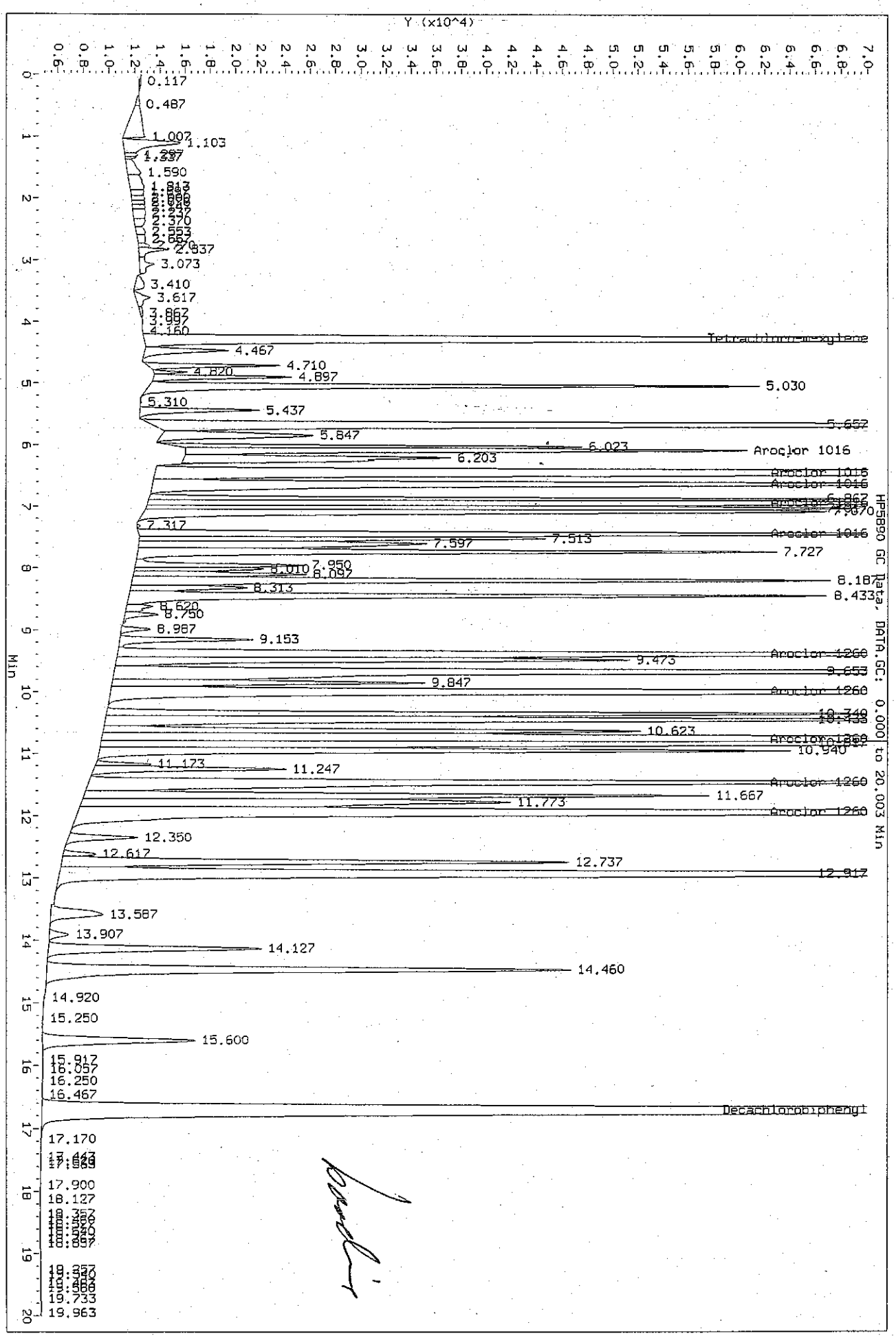
Instrument: GC09.i

Operator: LHarris

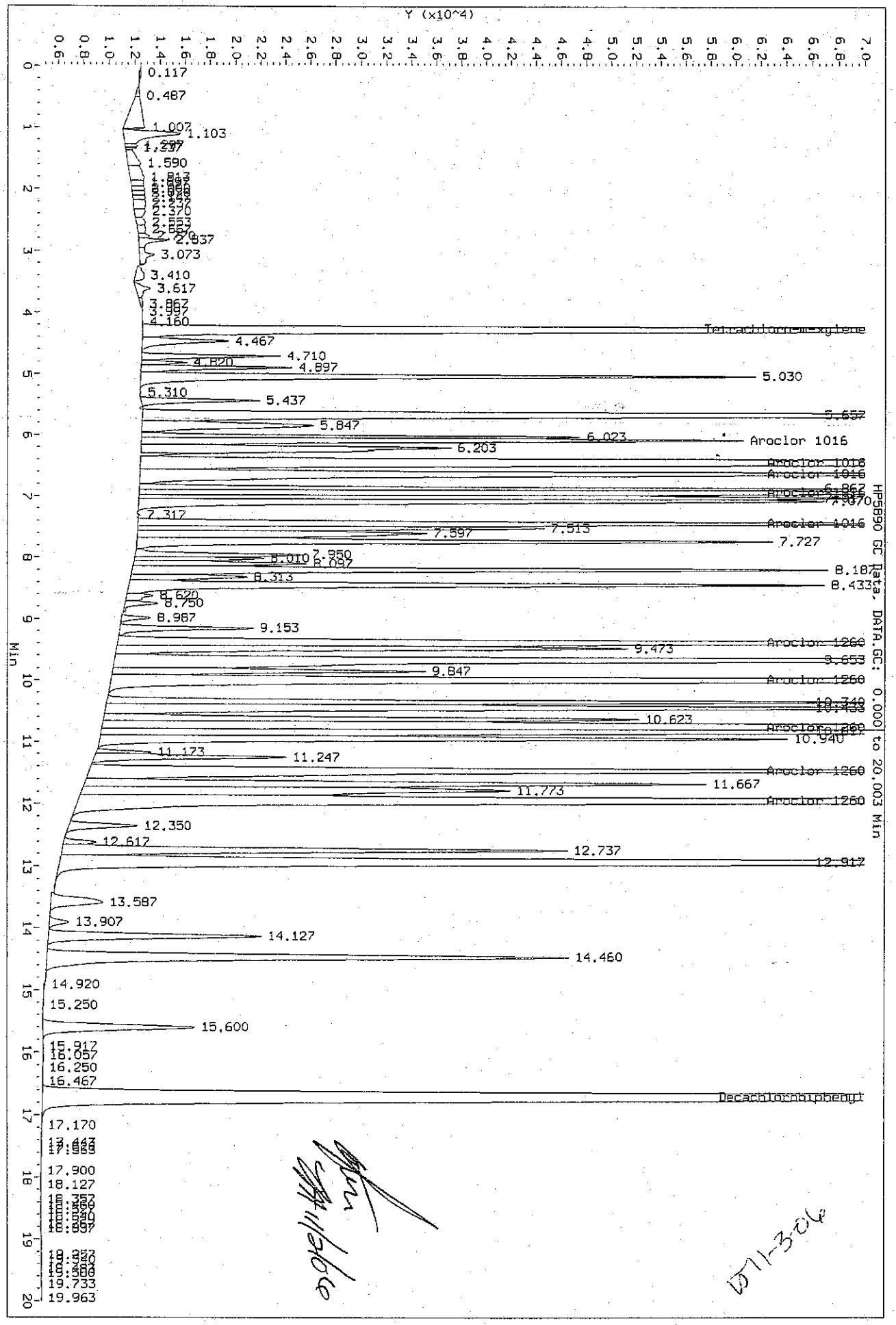
Column phase: DB-XLB

Column diameter: 0.53



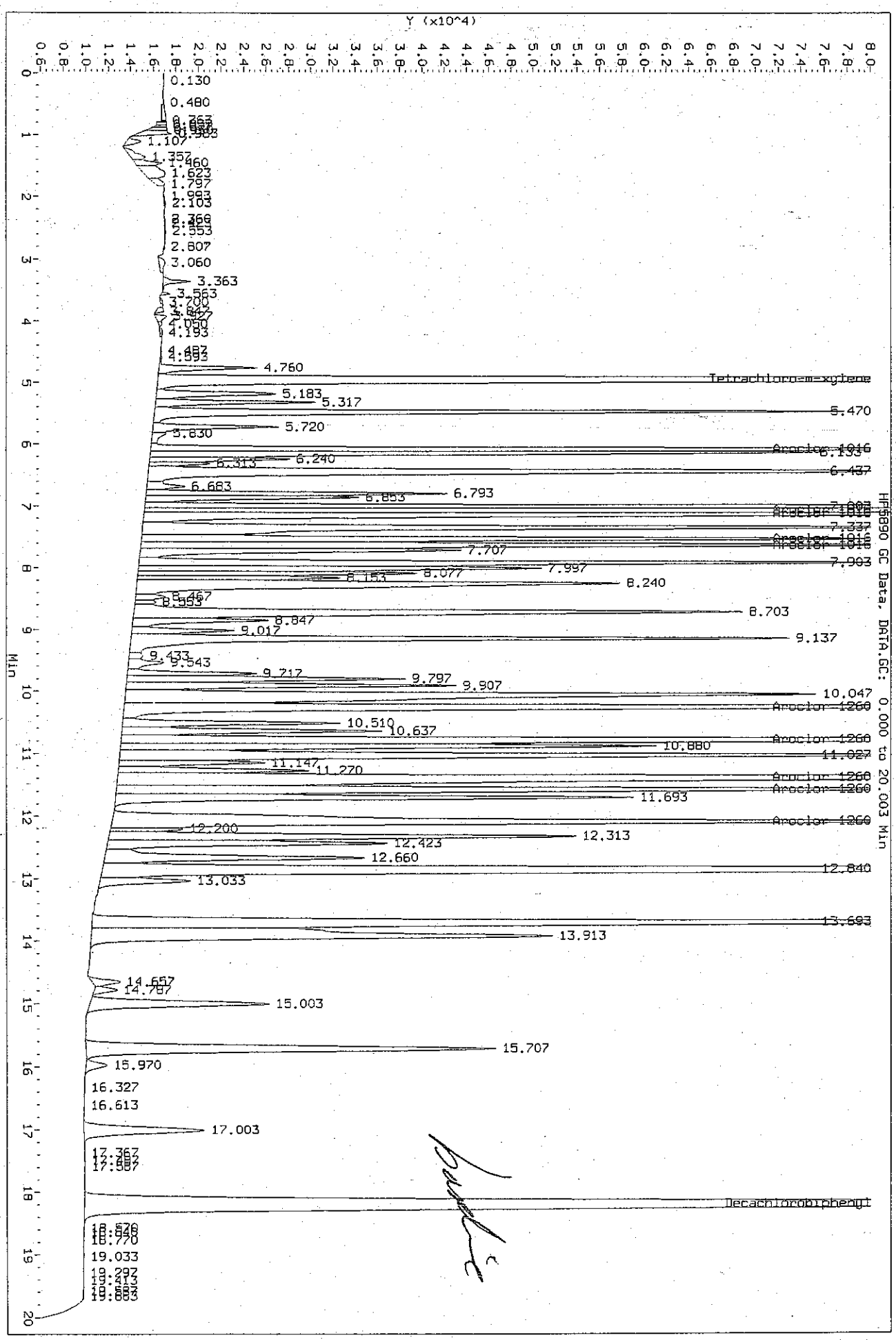

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
Injection Date: 02-NOV-2006 01:24
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Decachlorobiphenyl

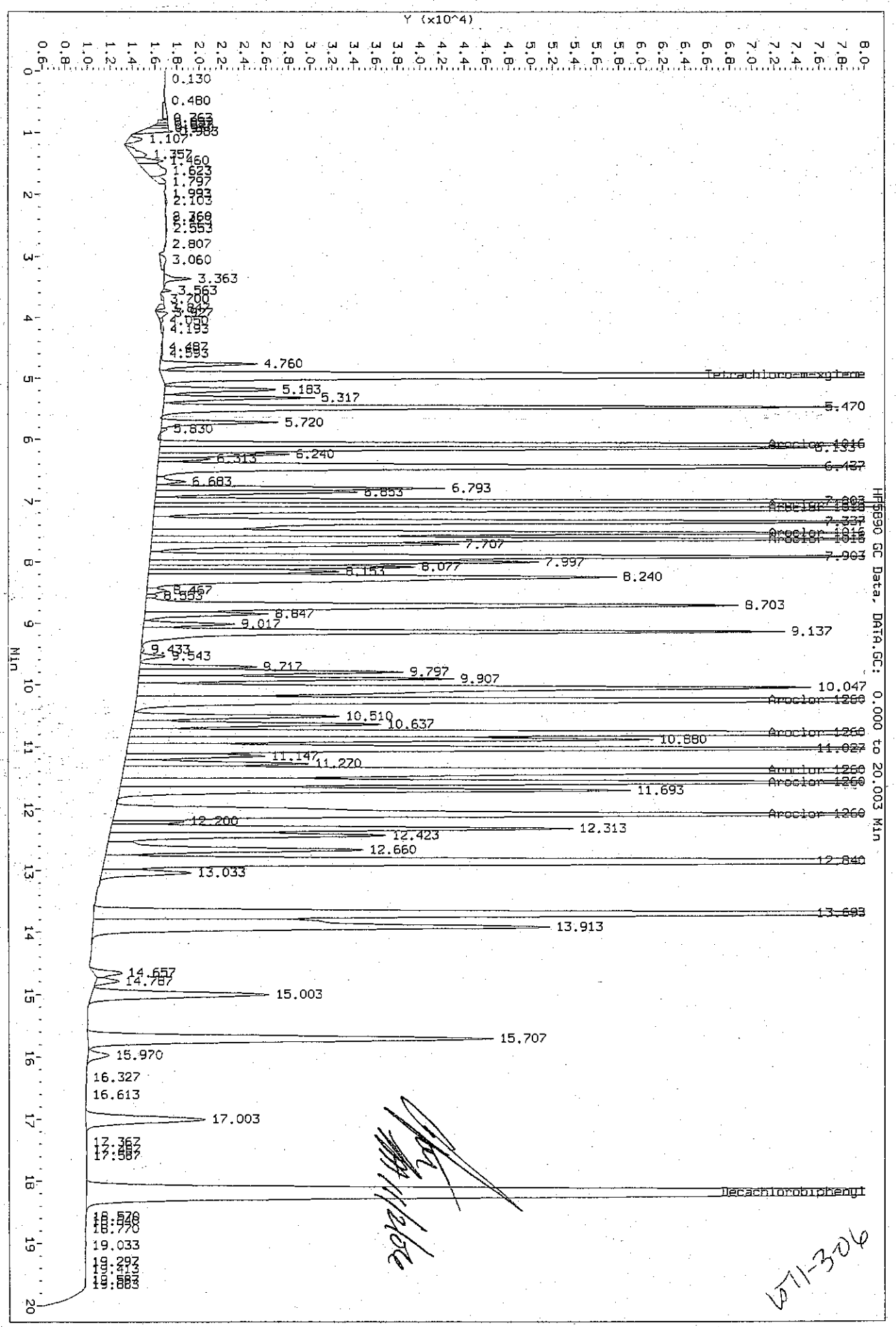
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F035.D
Injection Date: 02-NOV-2006 01:24
Instrument: GC09.I
Client Sample ID:



11/2/06

Data File: \\Cash3\Acquadata\GC09\data\110106_r.b\1101R035.D
Injection Date: 02-NOV-2006 01:24
Instrument: GC09.1
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R035.D
Injection Date: 02-NOV-2006 01:24
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Decachlorobiphenyl
4.760
5.183
5.317
5.470
5.720
5.830
6.240
6.313
6.437
6.683
6.793
7.707
7.903
7.997
8.077
8.153
8.240
8.703
8.847
9.017
9.137
9.543
9.717
9.797
9.907
10.047
10.510
10.637
10.880
11.027
11.147
11.270
11.693
12.200
12.313
12.423
12.660
12.840
13.033
13.693
13.913
14.657
14.787
15.003
15.707
15.970
16.327
16.613
17.003
17.367
17.587
19.033
19.297
19.413
19.583
19.883
20.003

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R036.D
Inj Date : 02-NOV-2006 01:48
Sample Info: 1660 @ 5000ppb | PCB4-79F | KWG0605028-35
Misc Info : SEMIVOA GC\W0605028\35-ICAL.H
Cal Date : 02-NOV-2006 11:08
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.257	4.933	2014324	2305824	411	397		100.00(M)
Aroclor 1016	6.077	6.073	430031	603506	4170	3550	80.00- 120.00	100.00(M)
	6.440	7.057	1767790	1293578	3570	3710	373.04- 559.56	411.08(M)
	6.620	7.113	793203	856222	3740	3740	154.29- 231.44	184.45(M)
	6.930	7.517	683880	524846	3890	3980	137.41- 206.12	159.03(M)
	7.433	7.620	567922	606209	3860	4110	115.69- 173.54	132.07(M)
		Average of Peak Amounts =			3850	3820		
Aroclor 1260	9.373	10.247	886962	1053073	3780	3950	80.00- 120.00	100.00(M)
	9.980	10.773	1334076	1191740	3800	3910	119.49- 179.24	150.41(M)
	10.750	11.377	1505559	1613986	4480	4500	121.86- 182.79	169.74(M)
	11.453	11.563	947720	832201	4350	4610	74.80- 112.19	106.85(M)
	11.927	12.080	2045689	1054852	4570	4580	161.32- 241.98	230.64(M)
		Average of Peak Amounts =			4200	4310		
Decachlorobiphenyl	16.703	18.183	2078673	2075073	413	409		100.00

QC Flag Legend

M - Compound response manually integrated.

11/2/06

W11-306

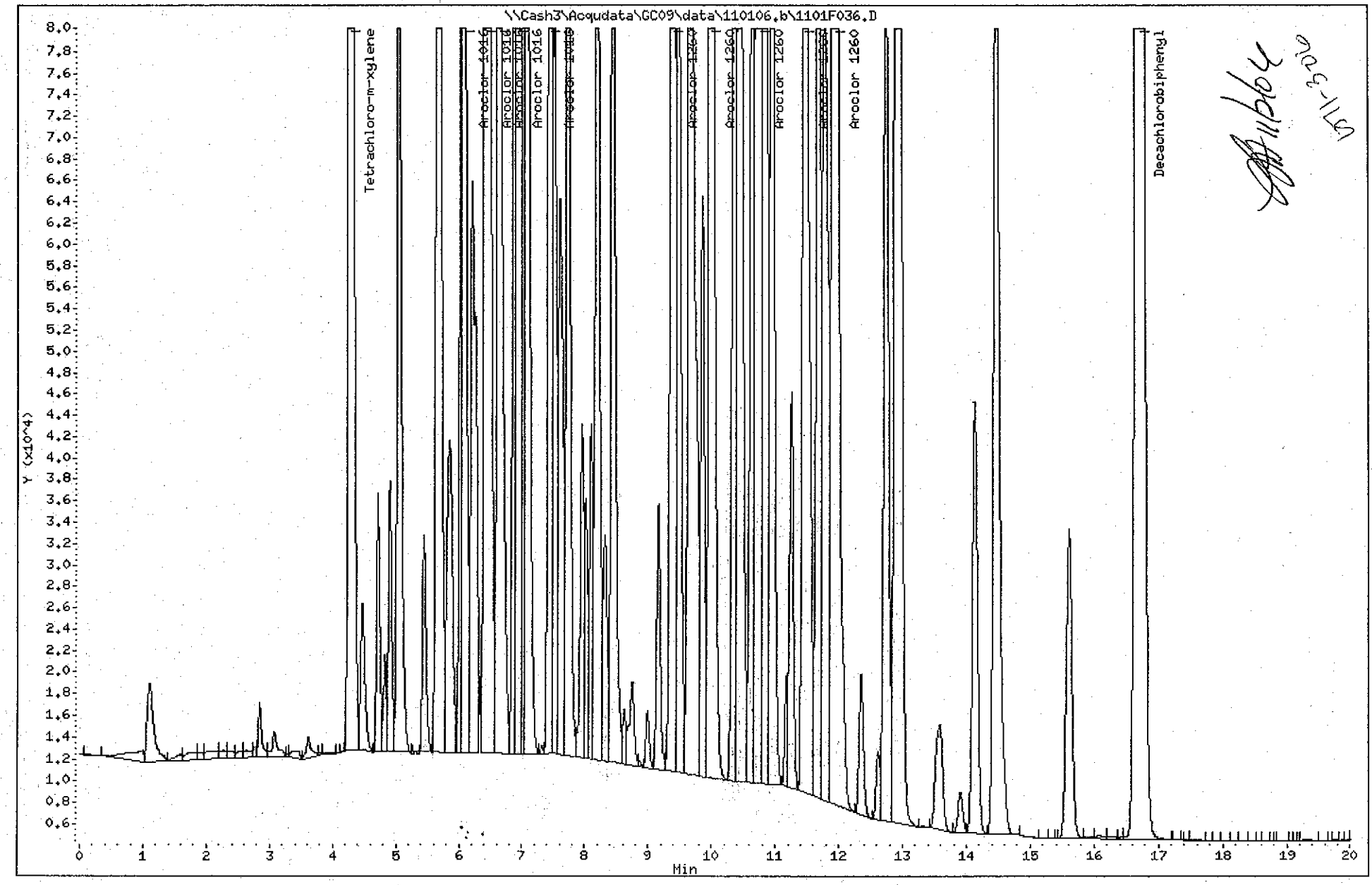
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
Date : 02-NOV-2006 01:48
Client ID:
Sample Info: 1660 @ 5000ppb | PCB4-79F | KWG0605028-35

Instrument: GC09.i

Operator: LMarris

Column phase: DB-35MS

Column diameter: 0.53



472
B - 472

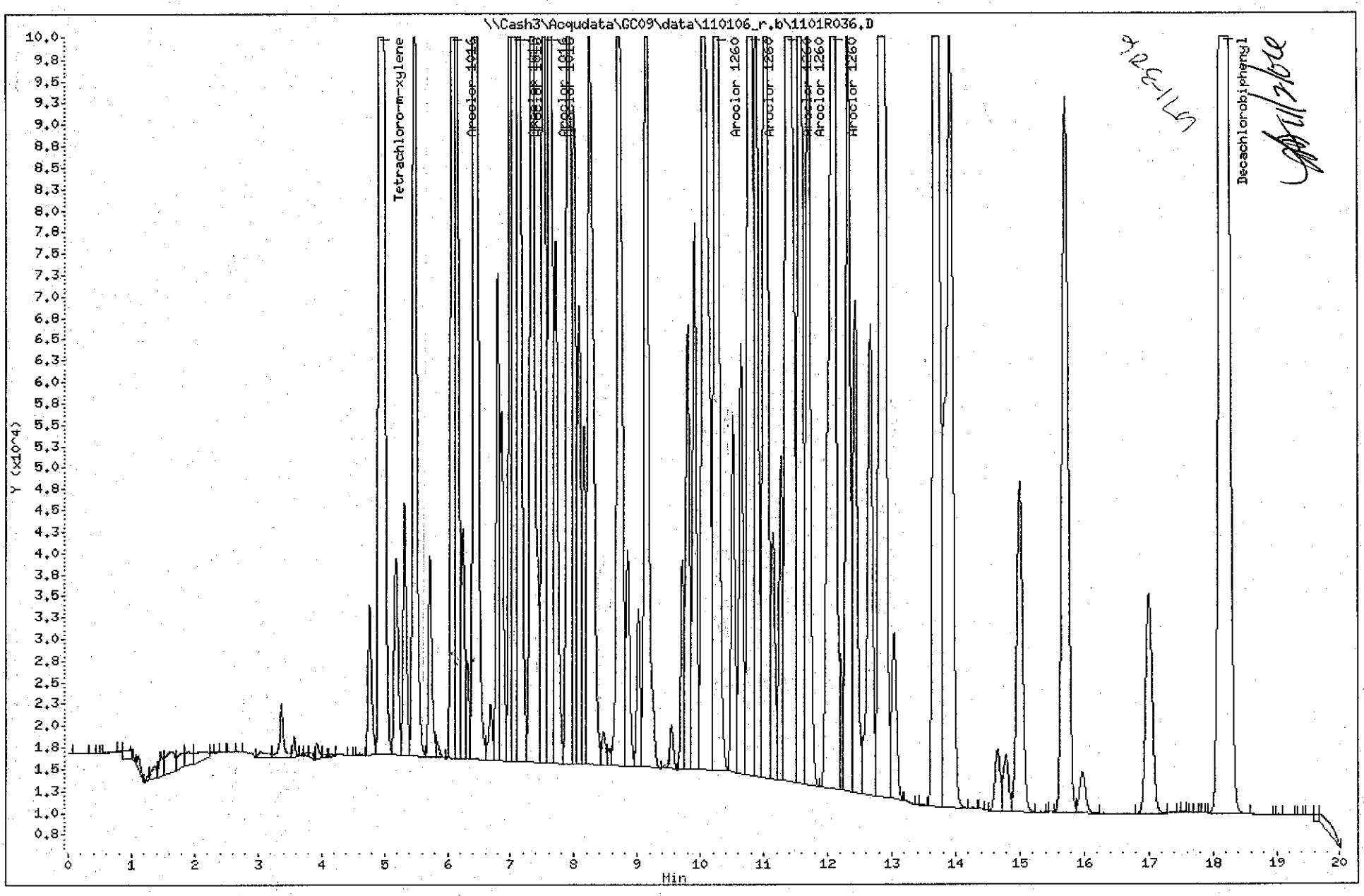
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R036.D
Date : 02-NOV-2006 01:48
Client ID:
Sample Info: 1660 @ 5000ppb | PCB4-79F | KWG0605028-35

Instrument: GC09.i

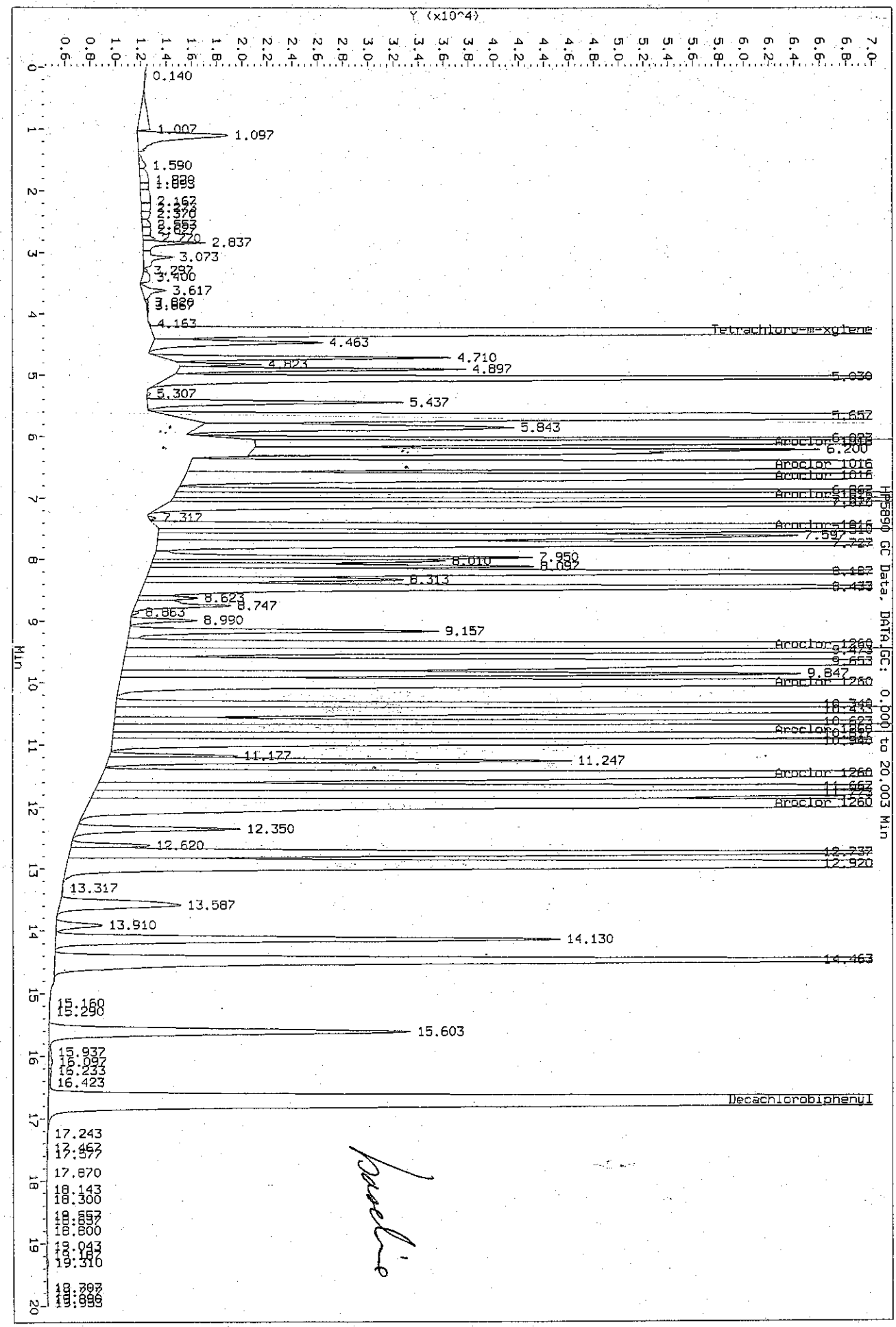
Operator: LHarris

Column phase: DB-XLB

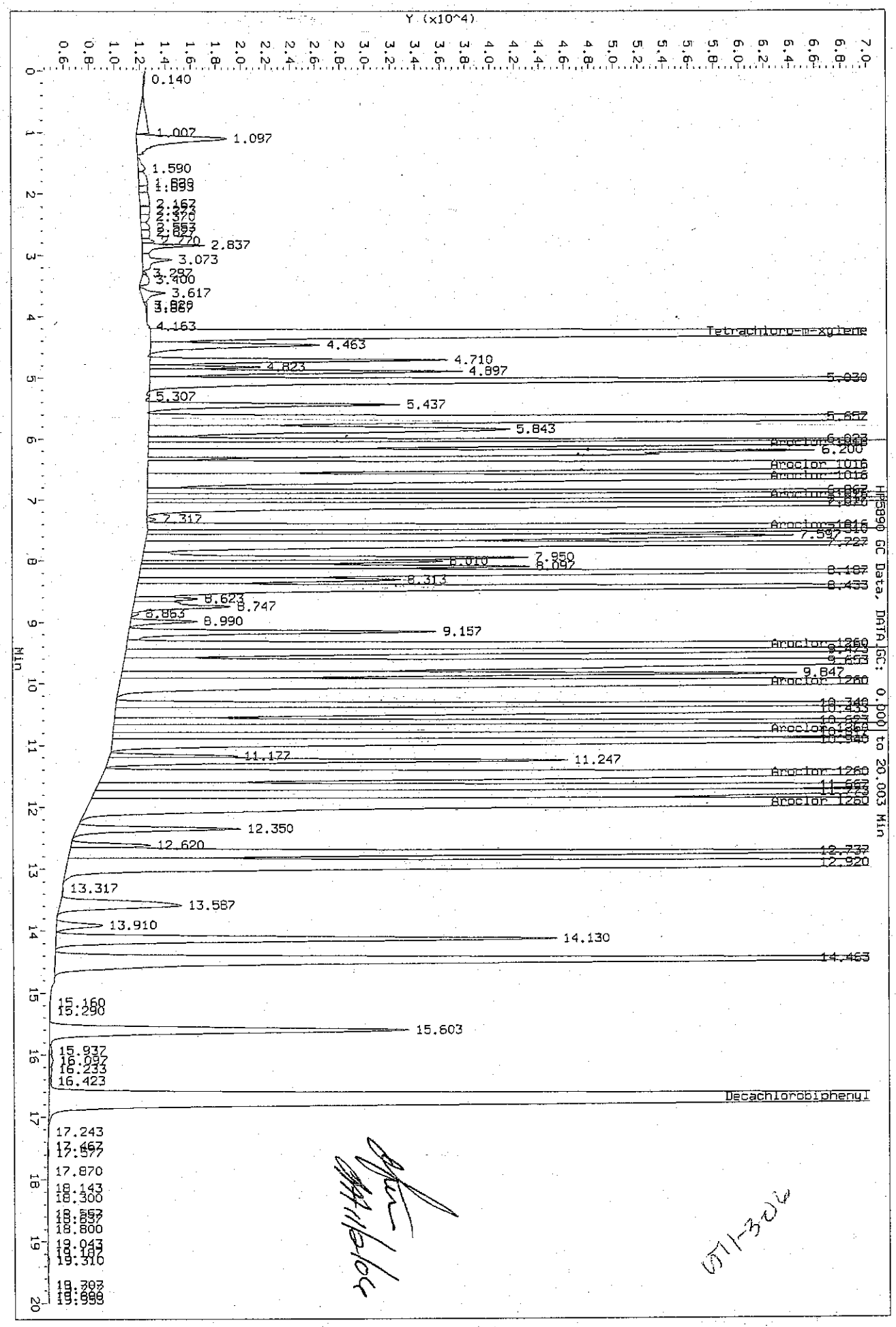
Column diameter: 0.53



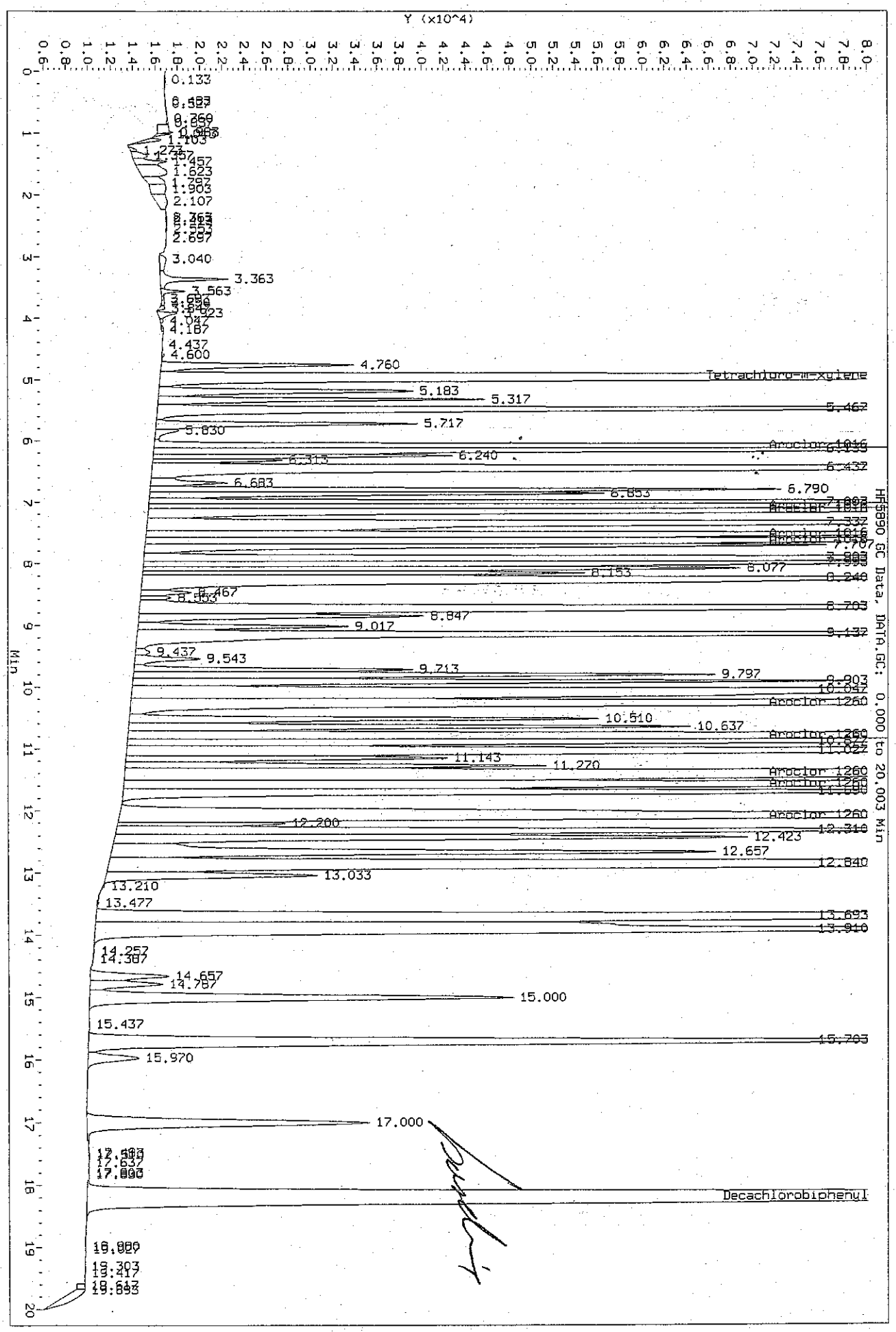
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
Injection Date: 02-NOV-2006 01:48
Instrument: GC09.I
Client Sample ID:

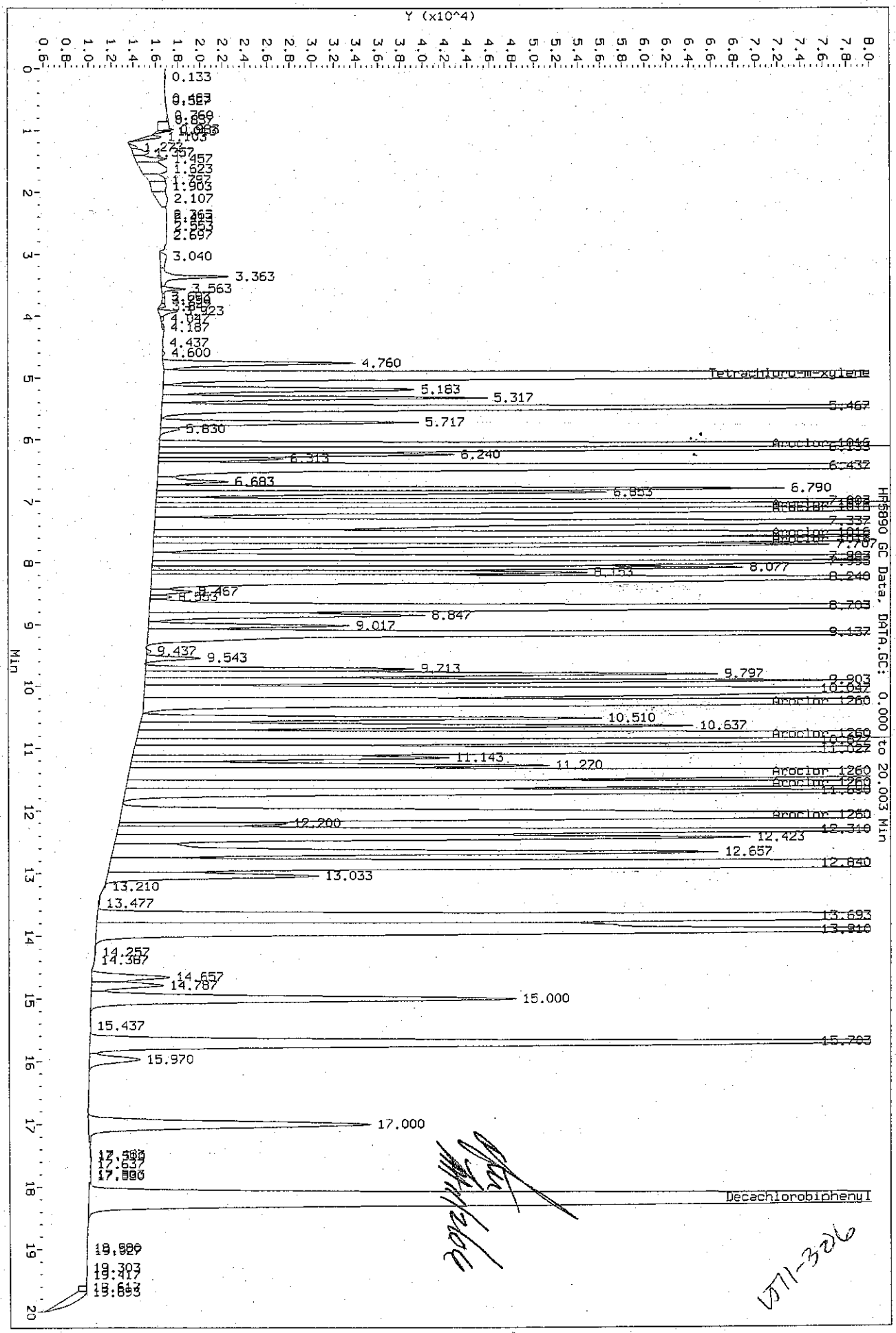


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F036.D
Injection Date: 02-NOV-2006 01:48
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R036.D
Injection Date: 02-NOV-2006 01:48
Instrument: GC09.I
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R036.D
Injection Date: 02-NOV-2006 01:48
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Decachlorobiphenyl
Aroclor 1016
Aroclor 1260

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R037.D
Inj Date : 02-NOV-2006 02:12
Sample Info: 1016 @ 1000ppb | PCB4-76P | KWG0605028-36
Misc Info : SEMIVOA GC\W0605028\36-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1016.sub
Sub List #2 : AR1016.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1016	6.080	6.073	102546	154203	995	906	80.00- 120.00	100.00(M)
	6.440	7.057	442182	311375	893	894	373.04- 559.56	431.20(M)
	6.620	7.117	192555	206527	908	903	154.29- 231.44	187.77(M)
	6.933	7.517	157265	123433	894	936	137.41- 206.12	153.36(M)
	7.433	7.620	140075	143193	953	970	115.69- 173.54	136.60(M)
			Average of Peak Amounts =		929	922		

QC Flag Legend

M - Compound response manually integrated.

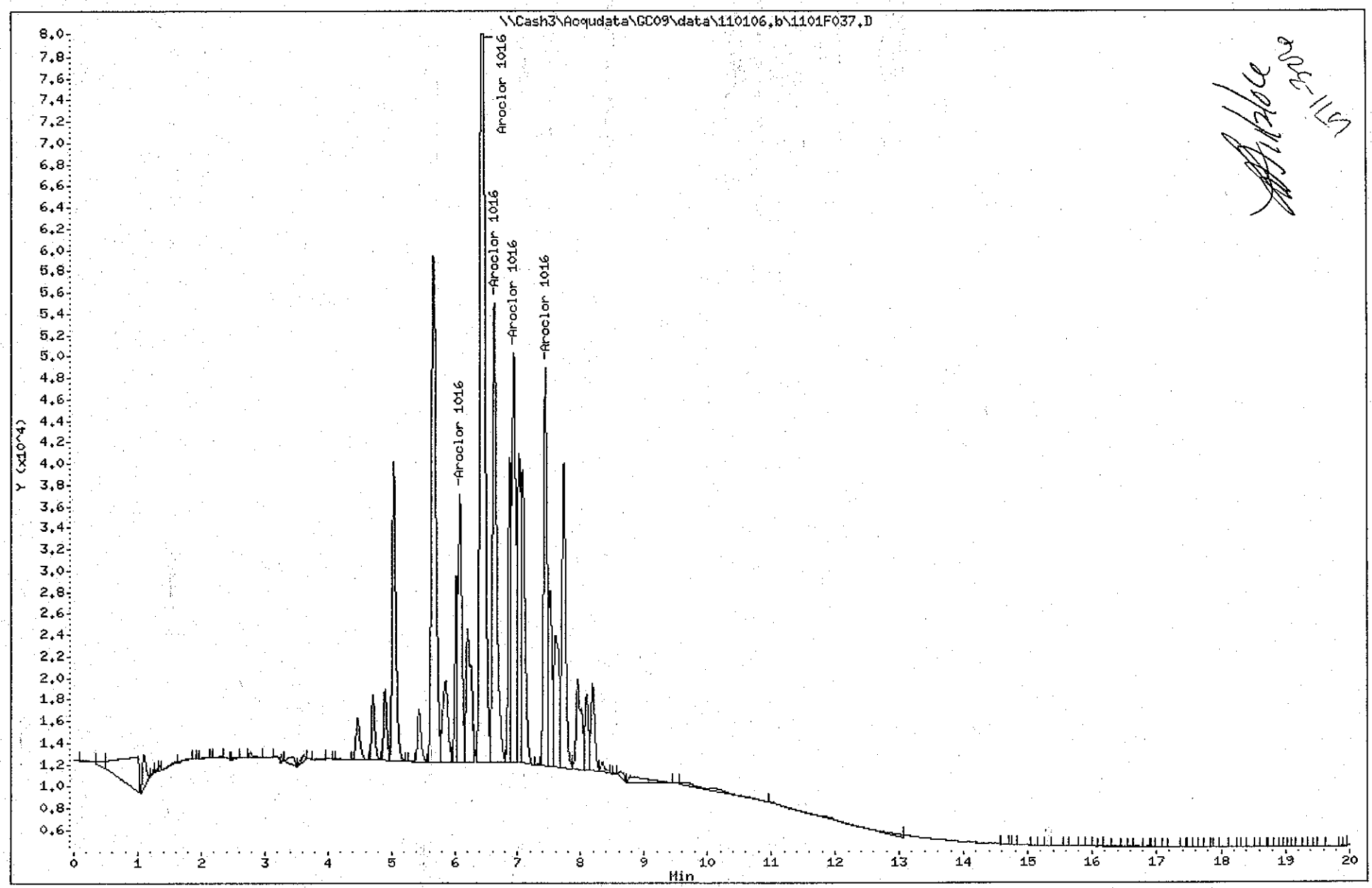
11/6/06
11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
Date : 02-NOV-2006 02:12
Client ID:
Sample Info: 1016 @ 1000ppb | PCB4-76P | KWG0605028-36

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS

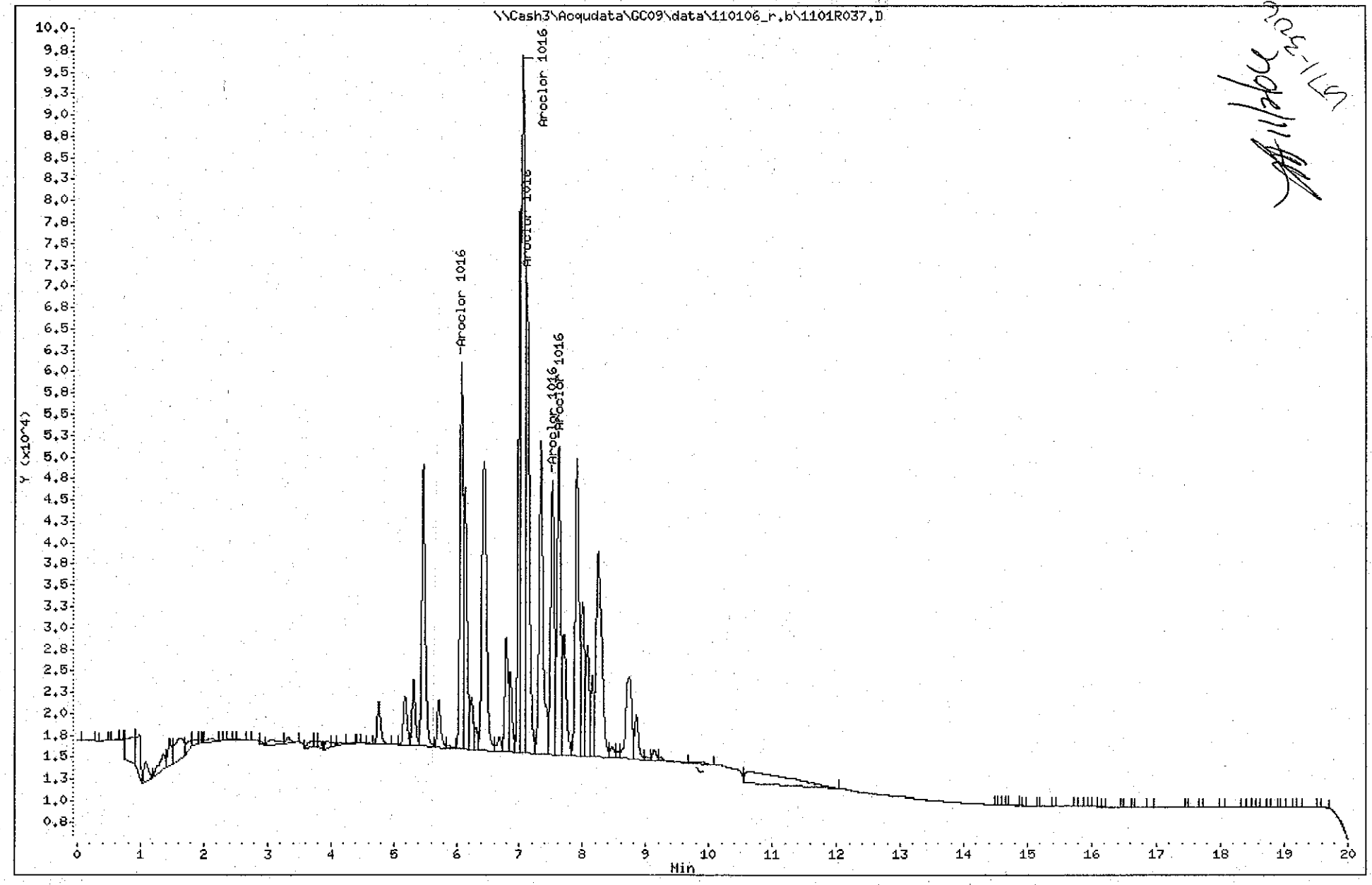


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R037.D
Date : 02-NOV-2006 02:12
Client ID:
Sample Info: 1016 @ 1000ppb | PCB4-76P | KWG0605028-36

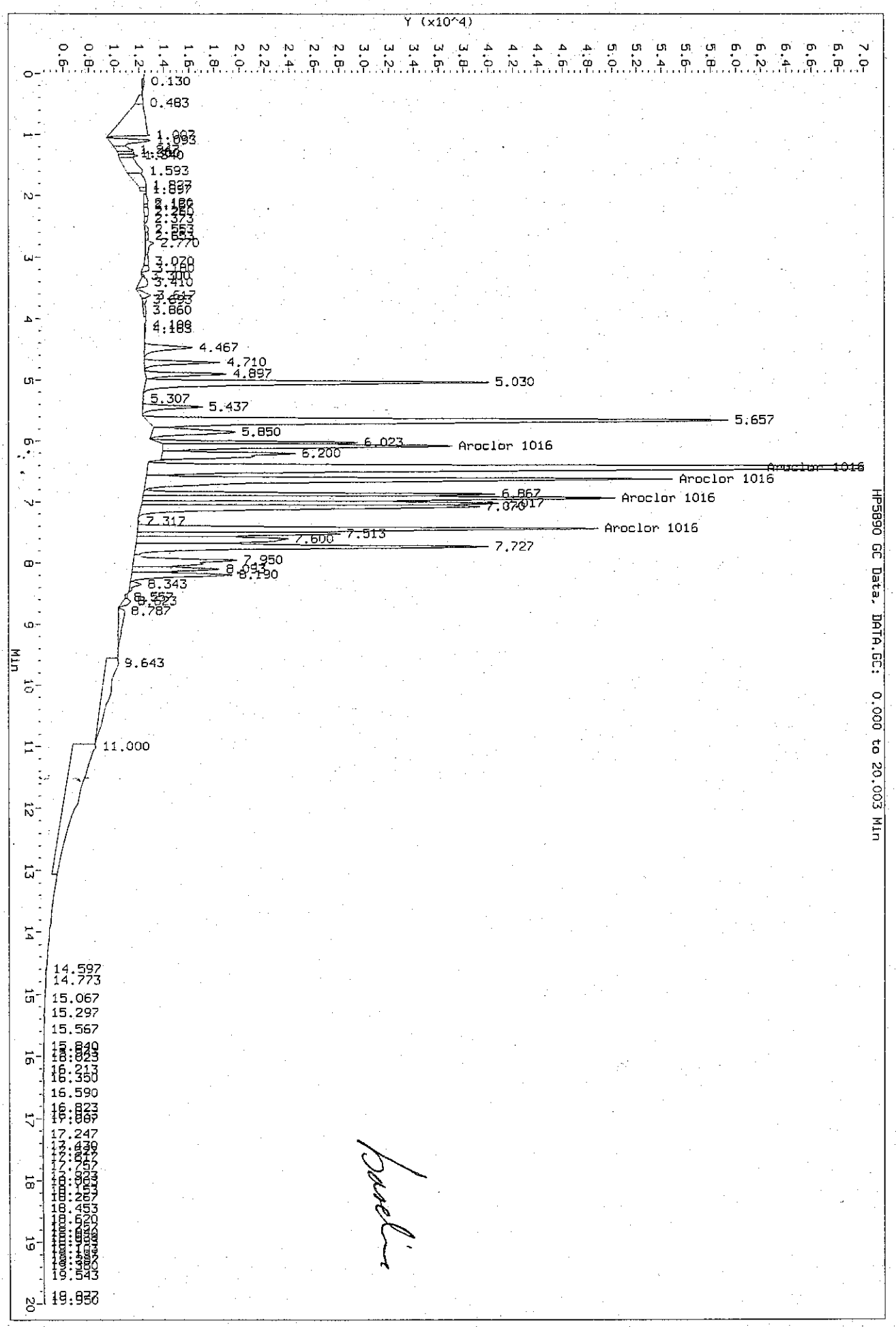
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

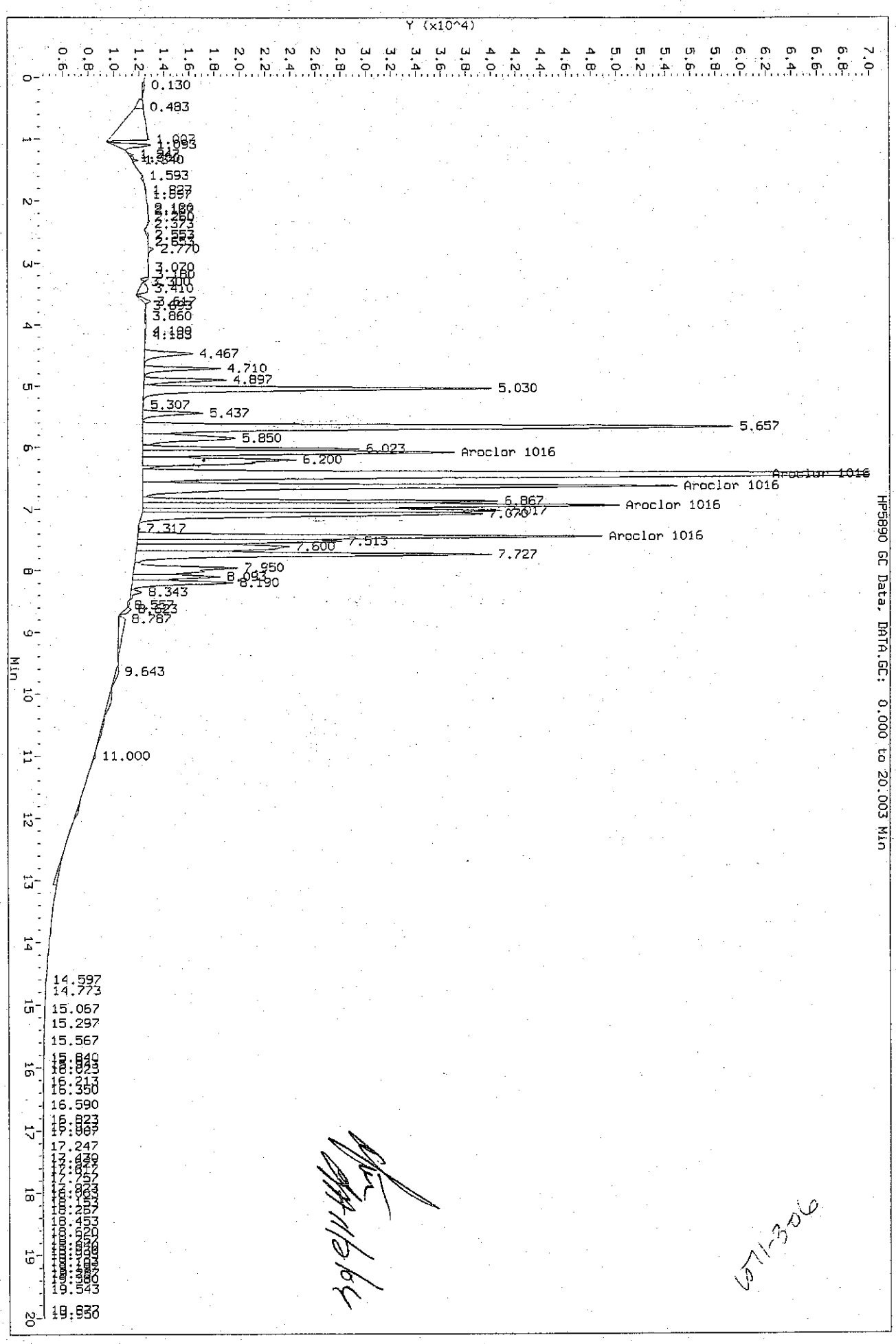
Column phase: DB-XLB



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
Injection Date: 02-NOV-2006 02:12
Instrument: GC09.I
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F037.D
Injection Date: 02-NOV-2006 02:12
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC; 0.000 to 20.003 Min

071-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F038.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F038.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R038.D
Inj Date : 02-NOV-2006 02:37
Sample Info: 1221 @ 1000ppb | PCB4-76Q | KWG0605028-37
Misc Info : SEMIVOA GC\W0605028\37-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1221.SUB
Sub List #2 : AR1221.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.617	3.920	45275	45073	1070	1000	80.00- 120.00	100.00(M)
	4.713	5.193	61143	71815	977	959	118.80- 178.20	135.05(M)
	4.897	5.317	40872	47937	963	969	80.58- 120.87	90.27(M)
	5.033	5.470	143170	159047	955	962	284.44- 426.66	316.22(M)
			Average of Peak Amounts =		991	972		

QC Flag Legend

M - Compound response manually integrated.

11/6/06
571-302

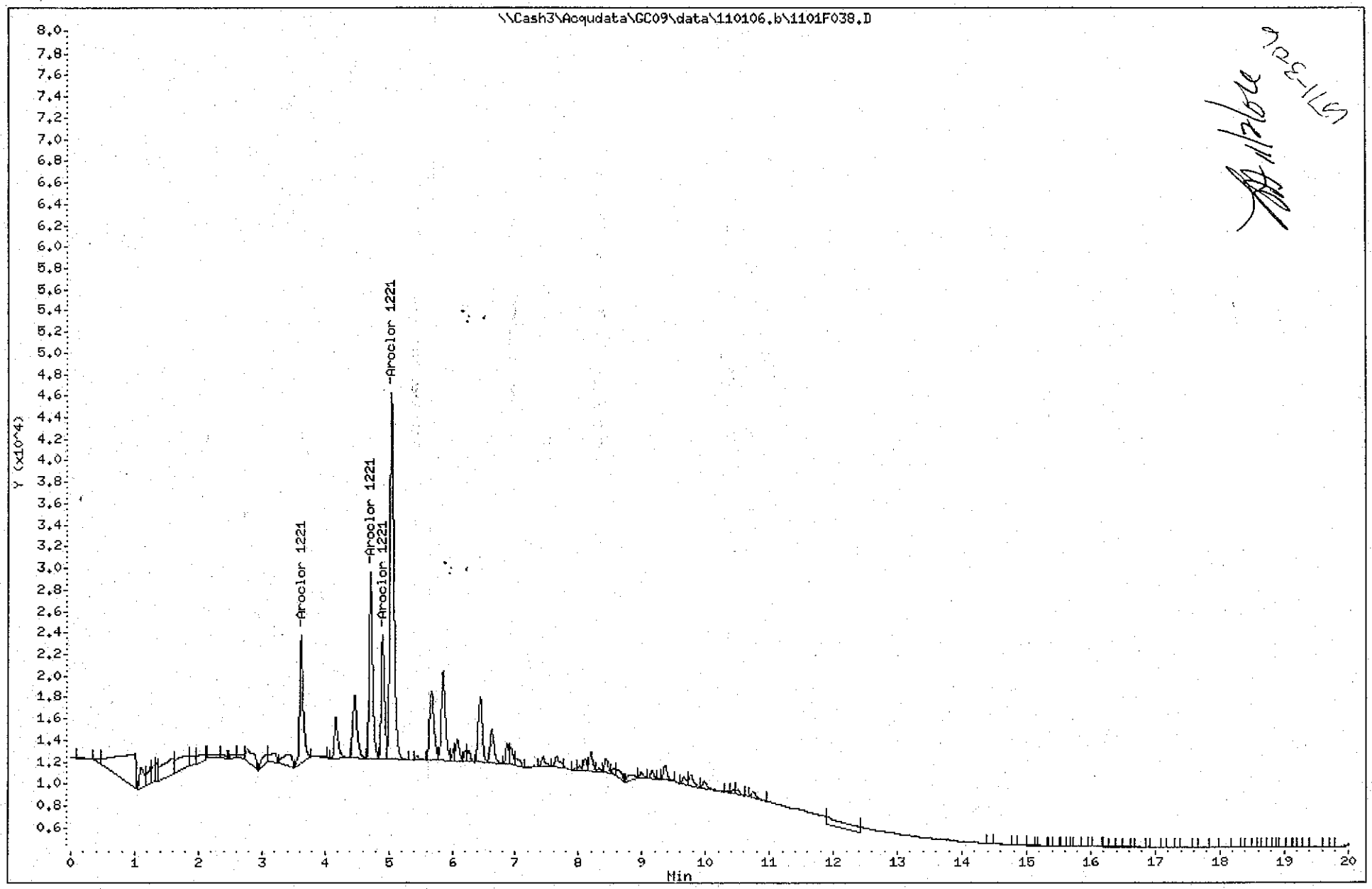
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F038.D
Date : 02-NOV-2006 02:37
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76Q | KWG0605028-37

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

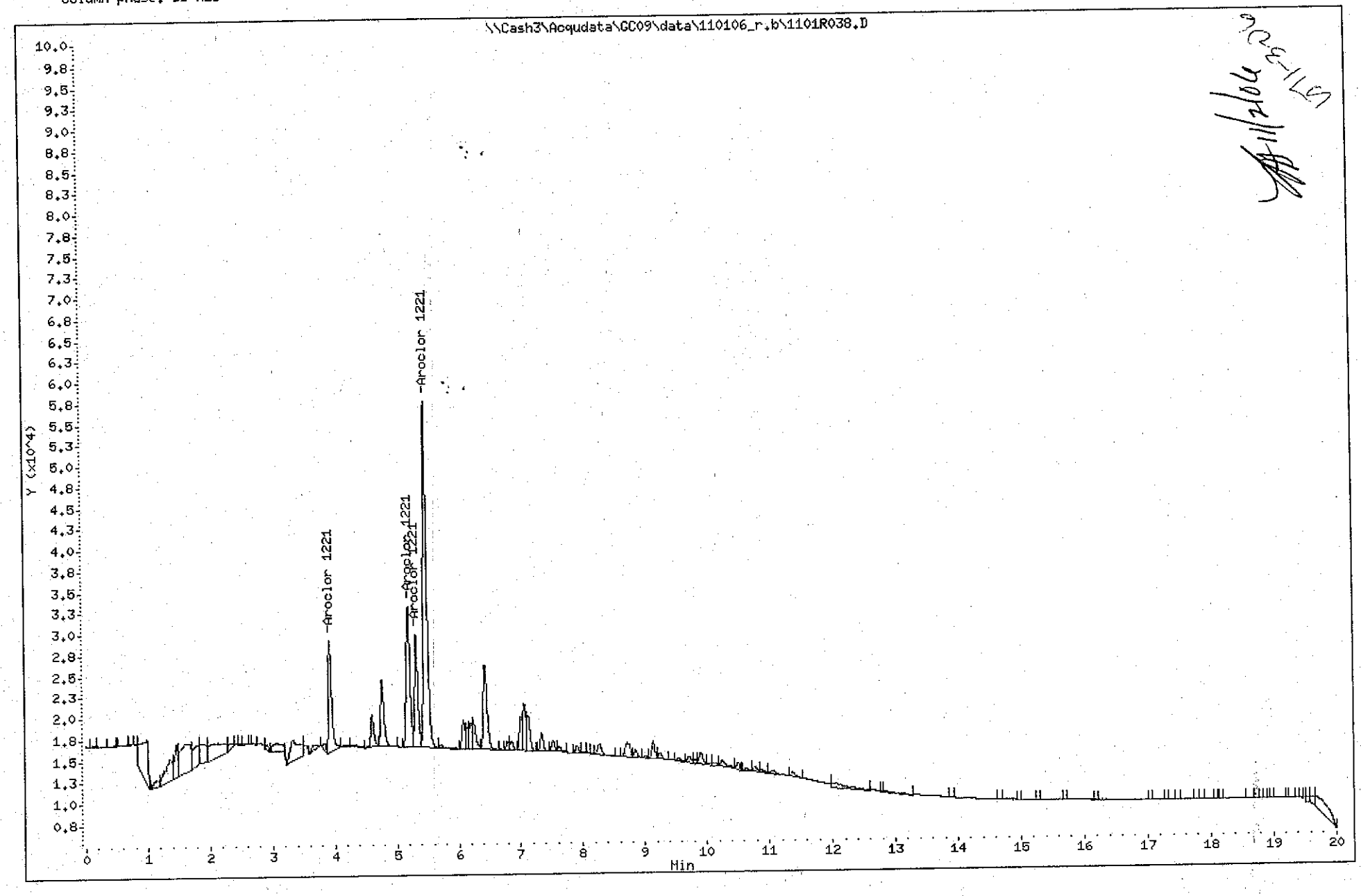


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R038.D
Date : 02-NOV-2006 02:37
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76Q | KWG0605028-37

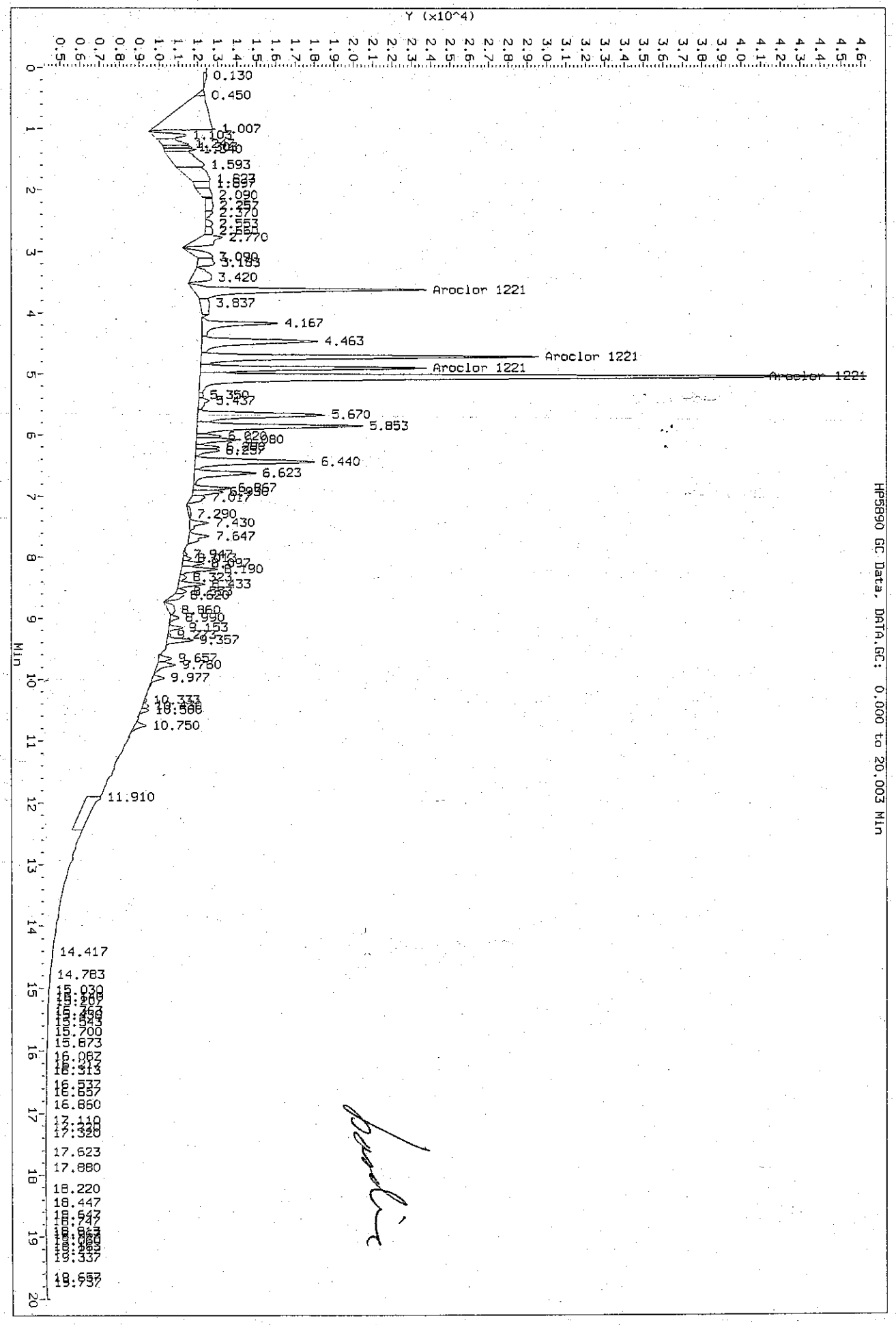
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB

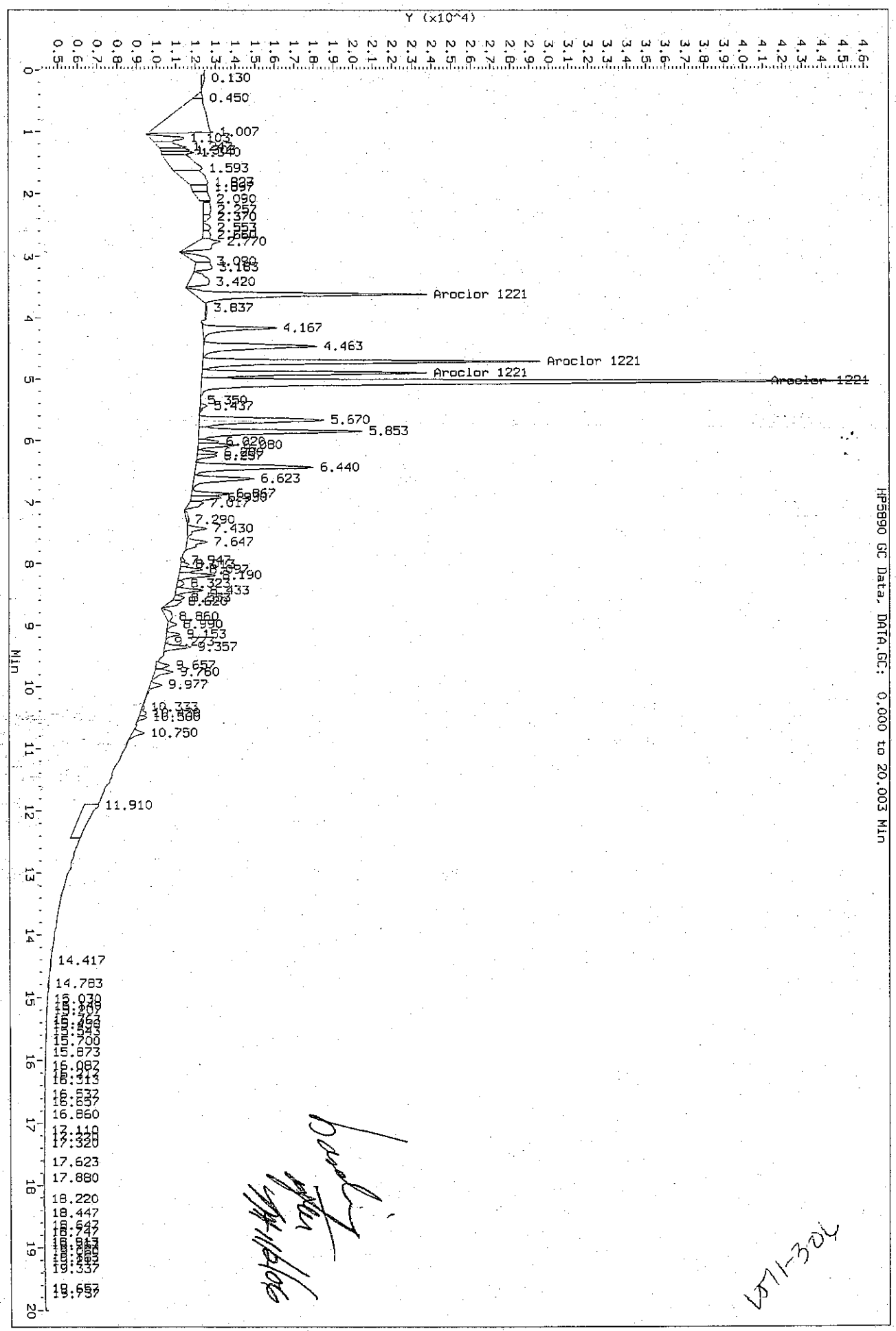


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F03B.D
Injection Date: 02-NOV-2006 02:37
Instrument: GC09.1
Client Sample ID:



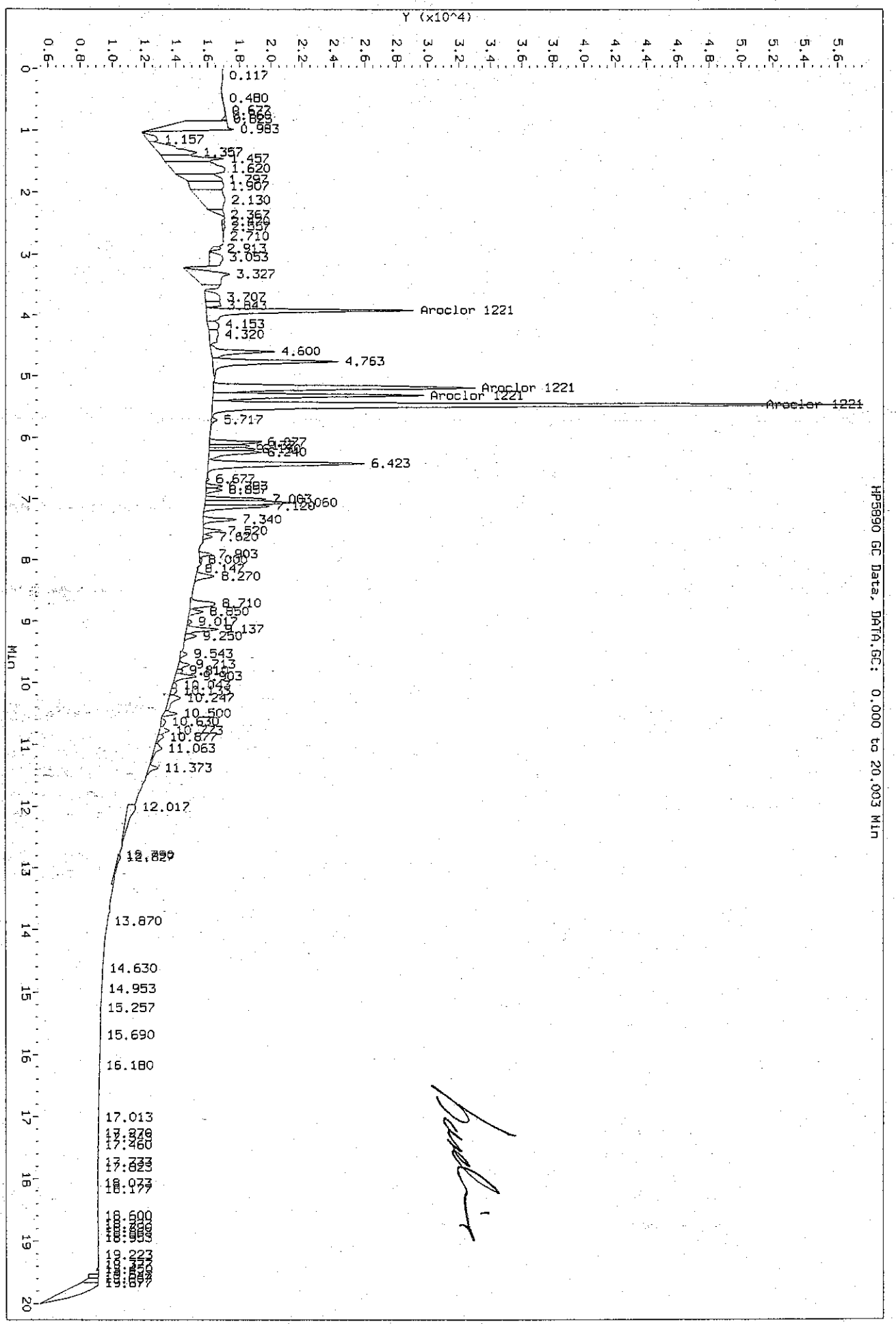
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F038.D
Injection Date: 02-NOV-2006 02:37
Instrument: GC09.I
Client Sample ID:

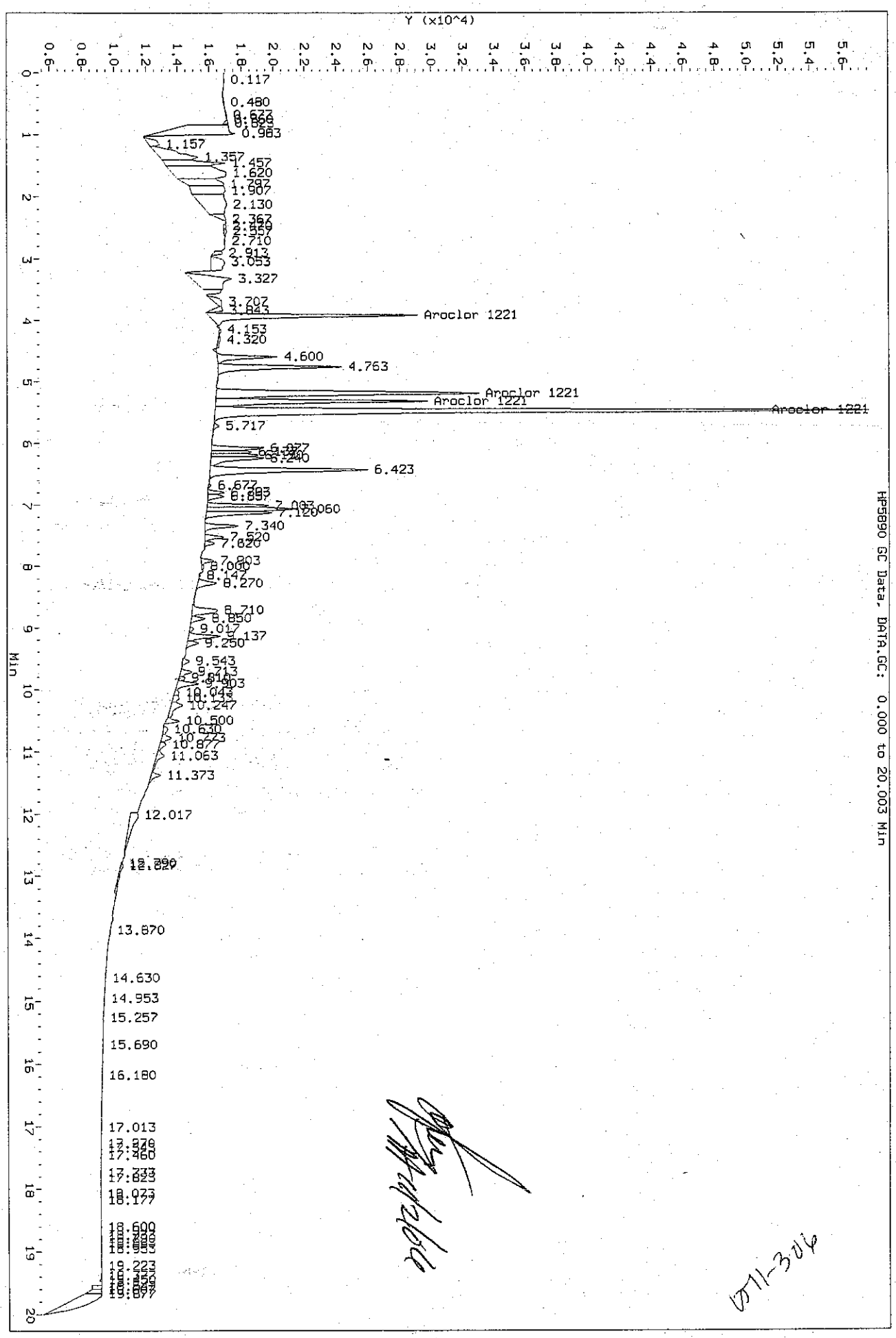


HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R038.D
Injection Date: 02-NOV-2006 02:37
Instrument: GC09.I
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R038.D
Injection Date: 02-NOV-2006 02:37
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
Report Date: 02-Nov-2006 12:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R039.D
Inj Date : 02-NOV-2006 03:01
Sample Info: 1232 @ 1000ppb | PCB4-76R | KWG0605028-38
Misc Info : SEMIVOA GC\W0605028\38-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1232.SUB
Sub List #2 : AR1232.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	5.033	5.470	124884	140655	1010	1010	80.00- 120.00	100.00(M)
	5.657	6.430	105362	85331	924	952	73.68- 110.52	84.37(M)
	6.440	7.003	187006	77557	902	946	133.86- 200.79	149.74(M)
	6.620	7.337	81814	61861	916	918	57.69- 86.54	65.51(M)
			Average of Peak Amounts =		938	956		

QC Flag Legend

M - Compound response manually integrated.

11/3/06

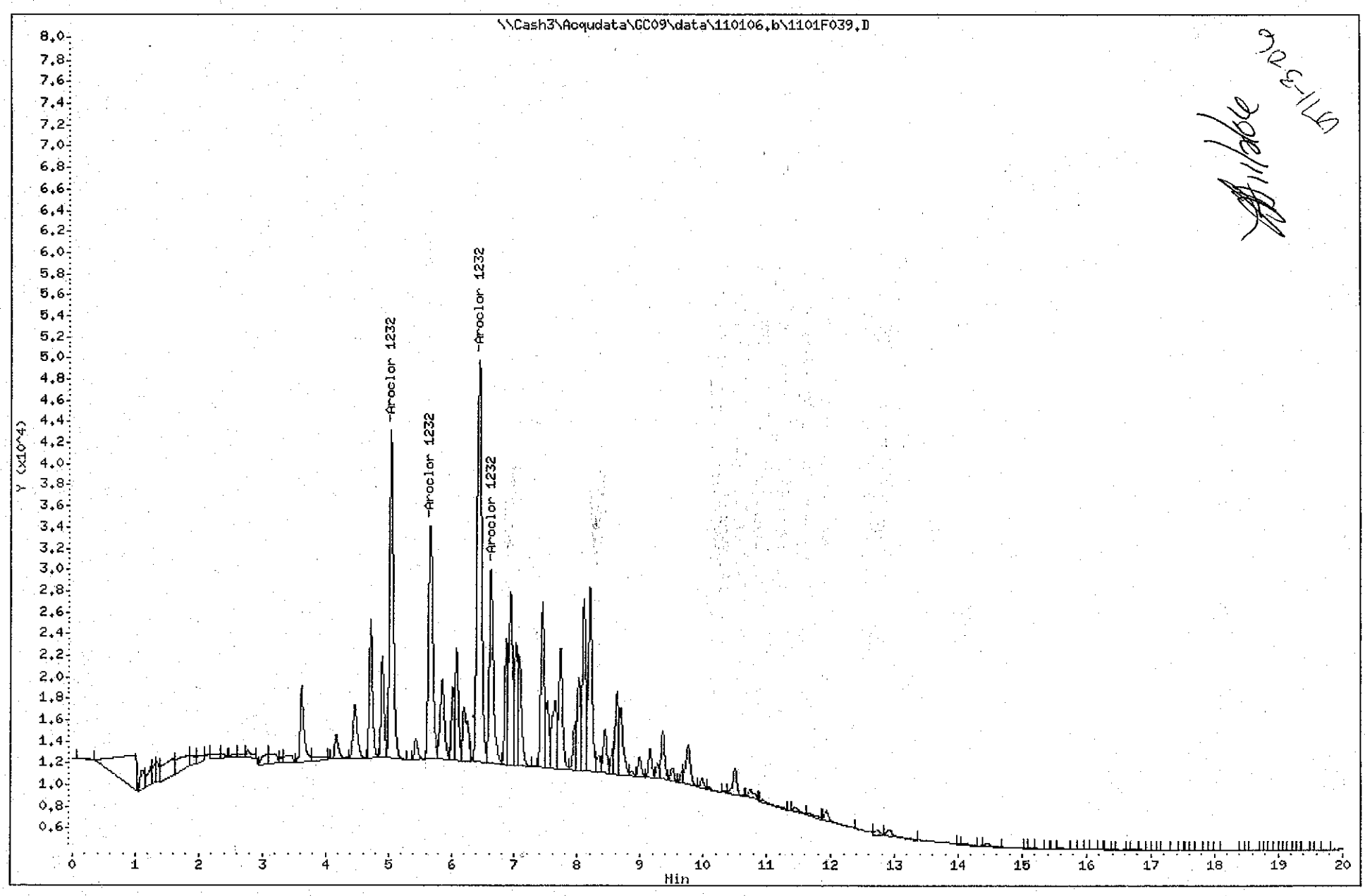
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
Date : 02-NOV-2006 03:01
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76R | KWG0605028-38

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



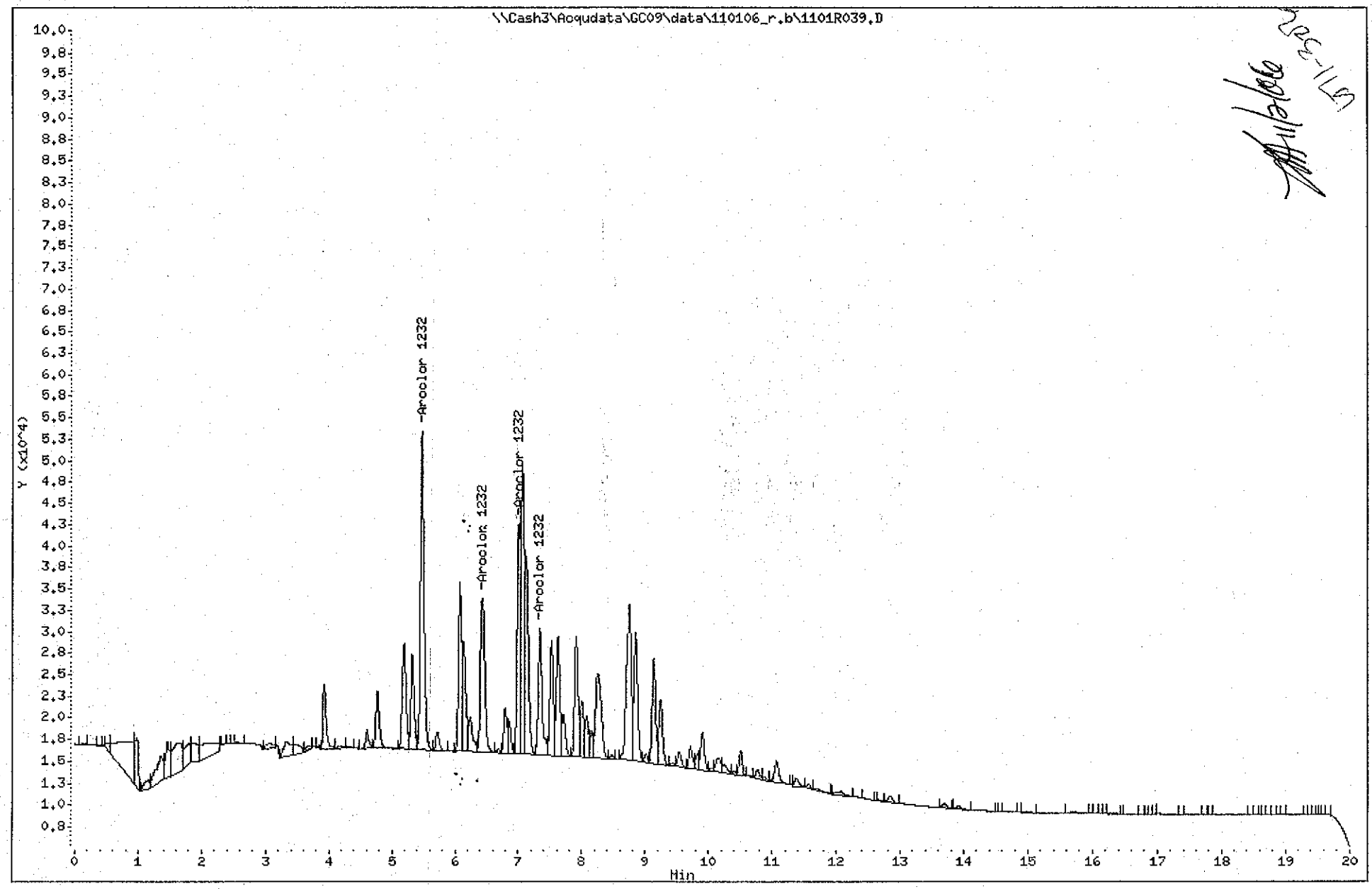
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R039.D
Date : 02-NOV-2006 03:01
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76R | KWG0605028-38

Instrument: GC09.i

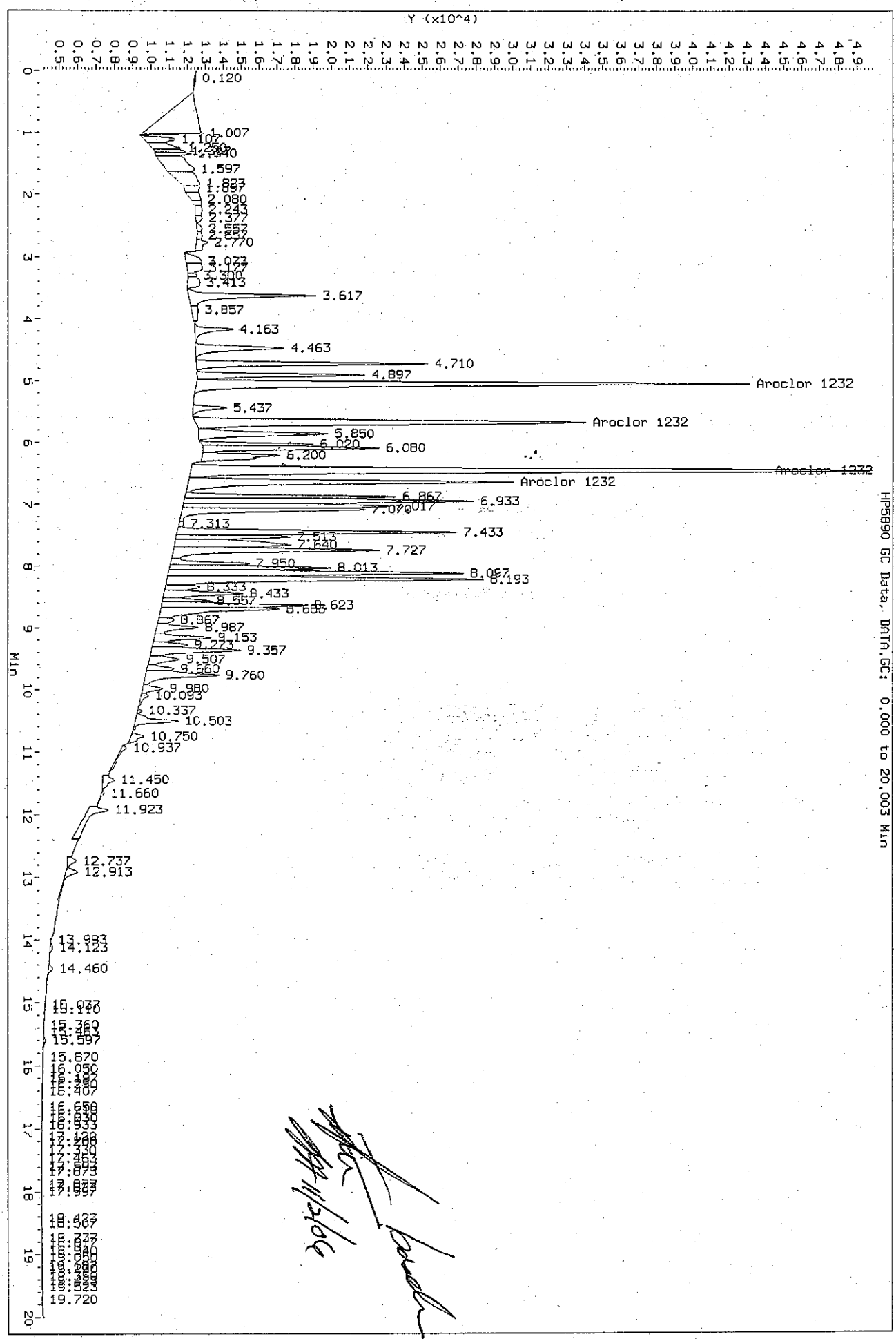
Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53

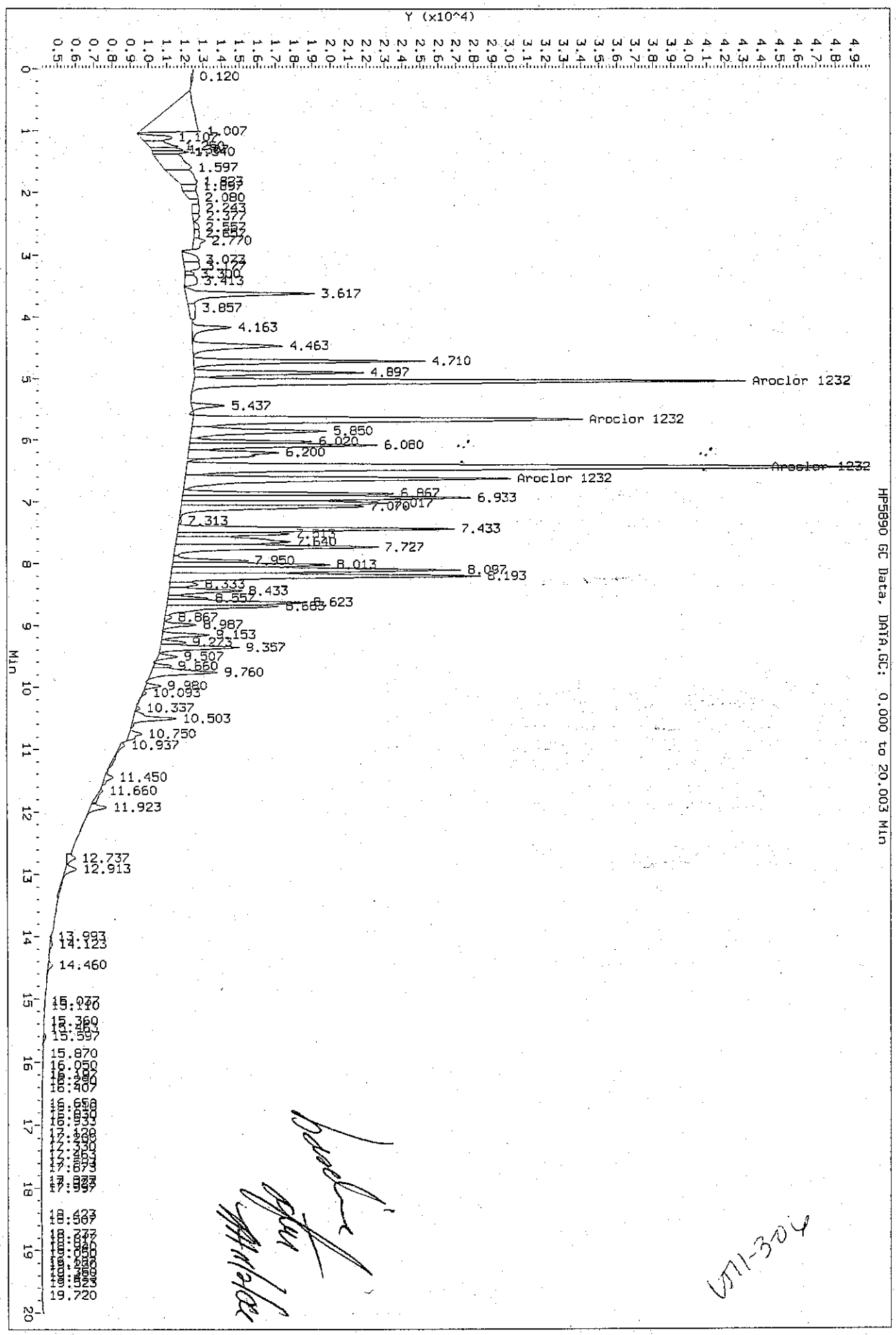


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
Injection Date: 02-NOV-2006 03:01
Instrument: GC09.I
Client Sample ID:



HP5890 GC Data. DATA.GC: 0.000 to 20.003 Min

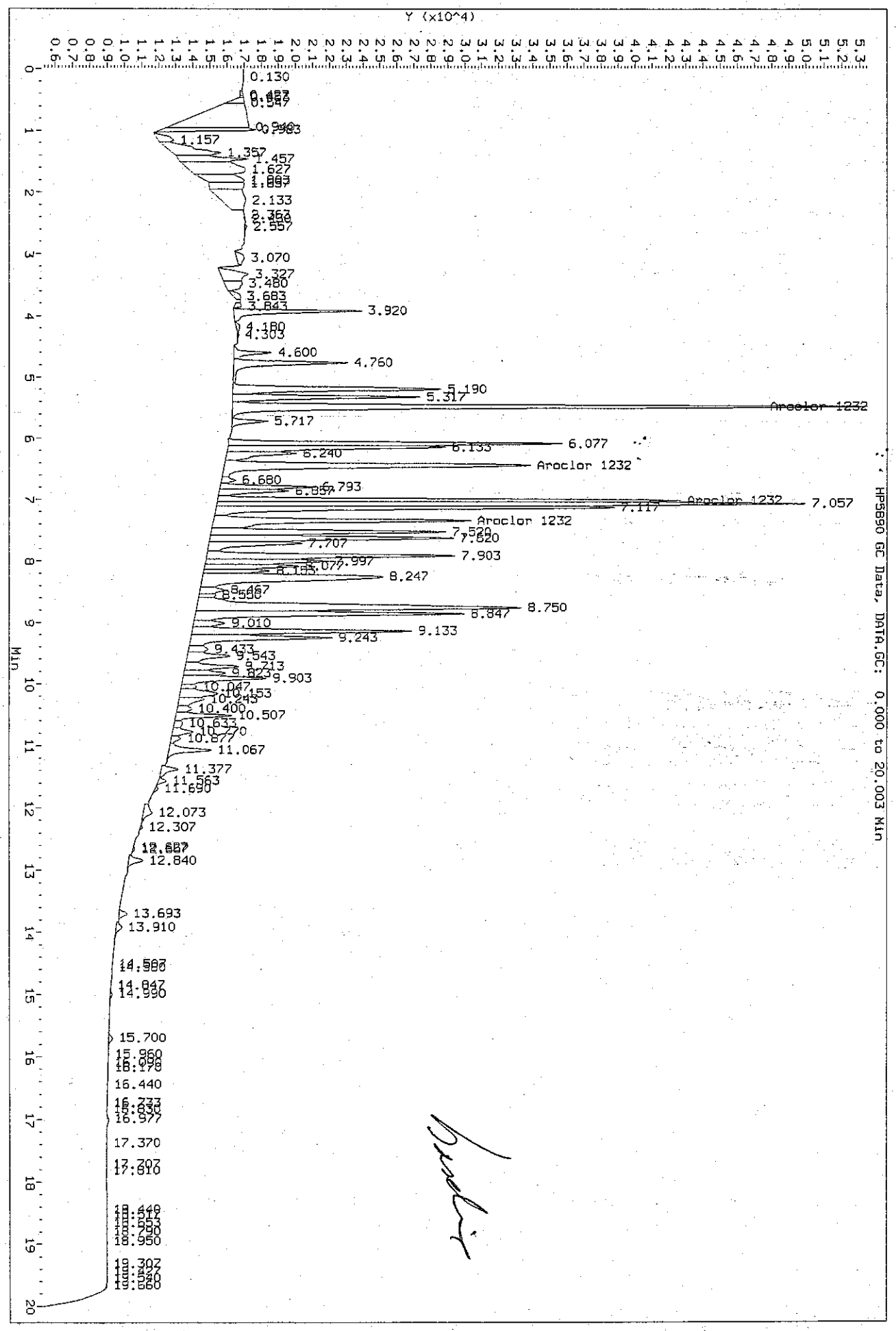
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F039.D
Injection Date: 02-NOV-2006 03:01
Instrument: GC09.1
Client Sample ID:



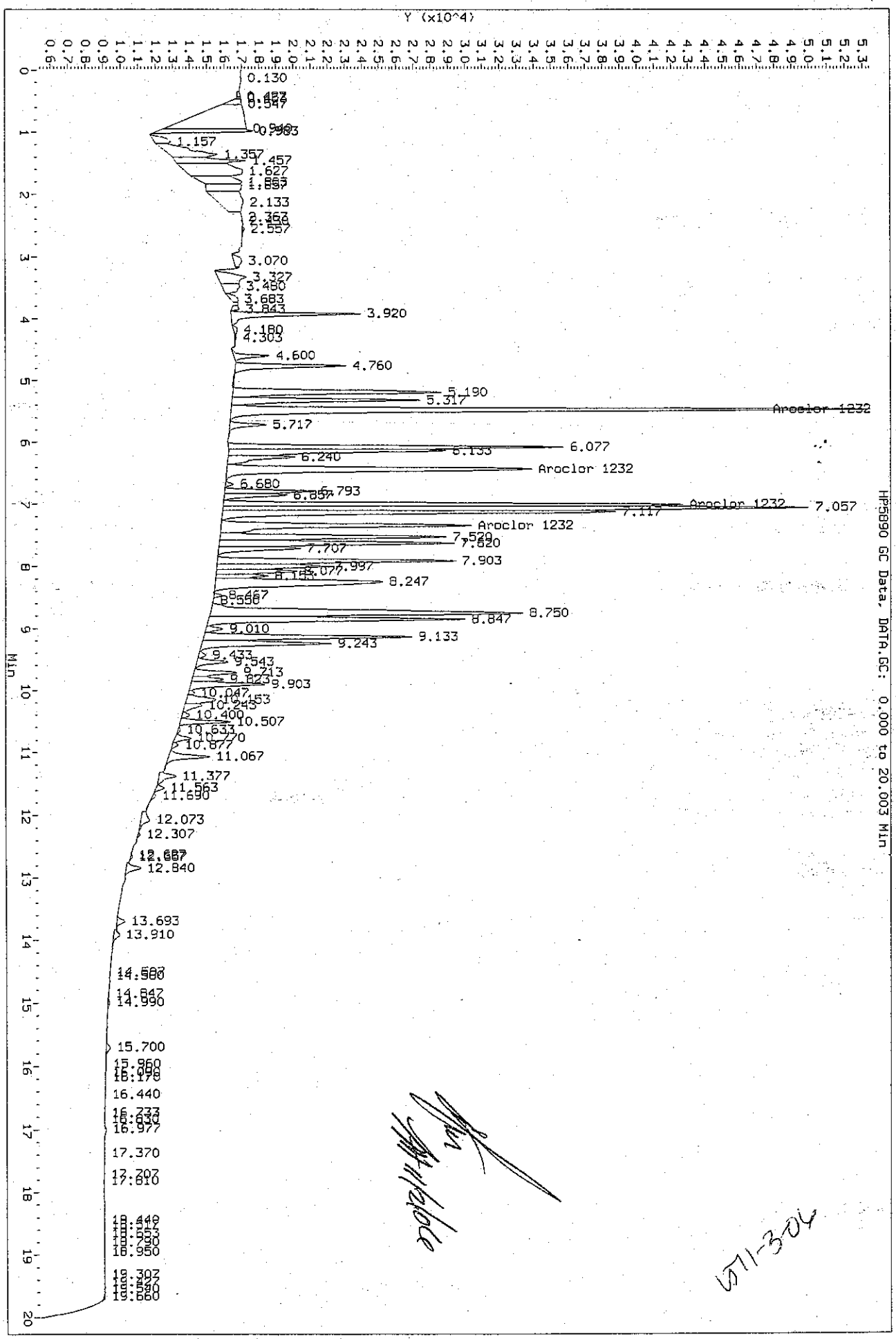
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

VTI-304

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R039.D
Injection Date: 02-NOV-2006 03:01
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R039.D
Injection Date: 02-NOV-2006 03:01
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R040.D
Inj Date : 02-NOV-2006 03:26
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39
Misc Info : SEMIVOA GC\W0605028\39-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.660	6.133	180749	83535	920	934	80.00- 120.00	100.00(M)
	6.440	7.117	345465	152382	915	867	153.67- 230.50	191.13(M)
	6.623	7.520	151770	99638	920	976	67.20- 100.80	83.97(M)
	6.933	7.620	132073	110538	983	926	54.72- 82.07	73.07(M)
	7.017	7.903	81272	103550	945	927	35.02- 52.53	44.96(M)
			Average of Peak Amounts =		937	926		

QC Flag Legend

M - Compound response manually integrated.

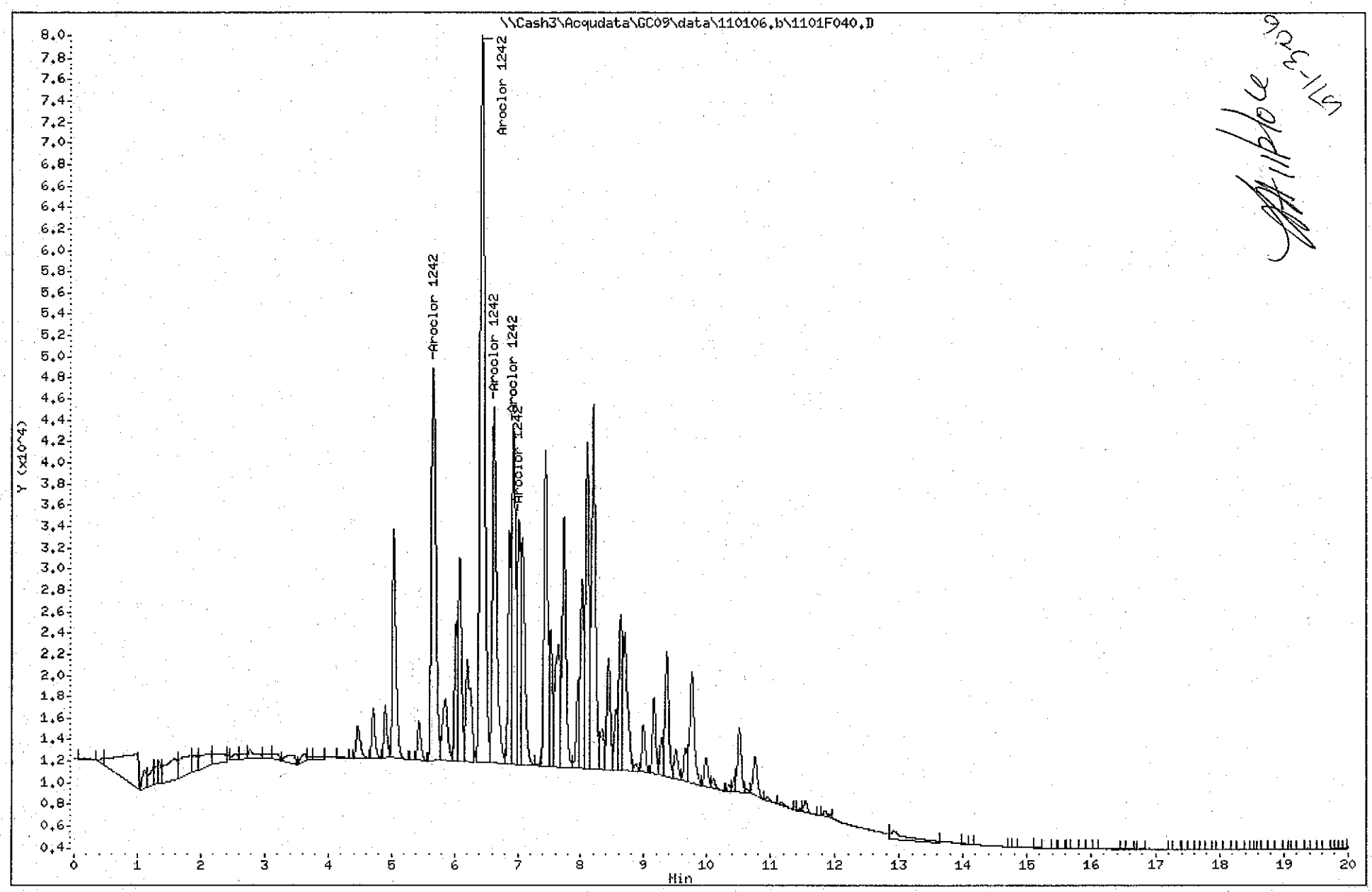
11/2/06

VT11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
Date : 02-NOV-2006 03:26
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39

Instrument: GC09.i

Operator: LHarris
Column phase: DB-35MS
Column diameter: 0.53

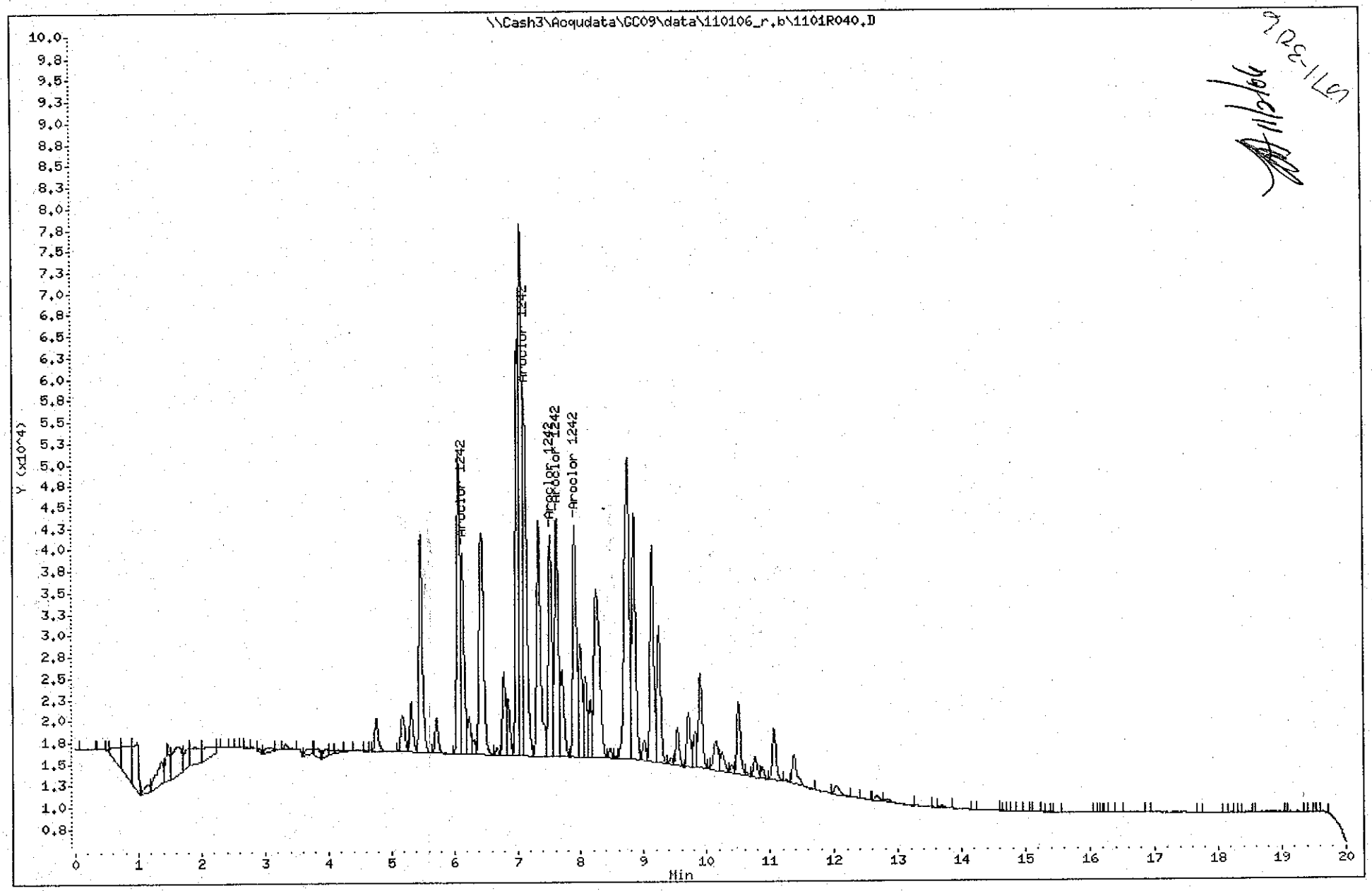


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R040.D
Date : 02-NOV-2006 03:26
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39

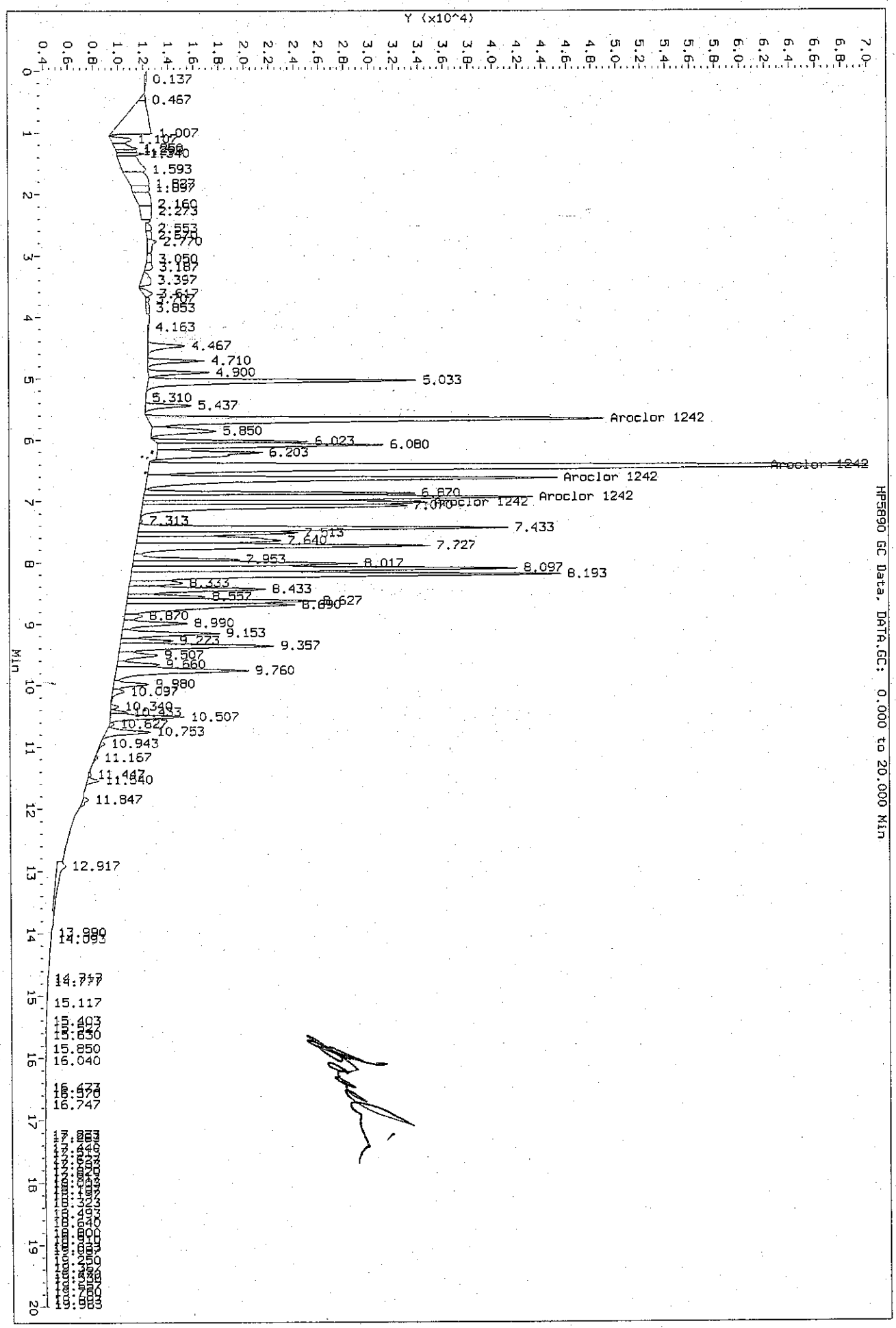
Column phase: DB-XLB

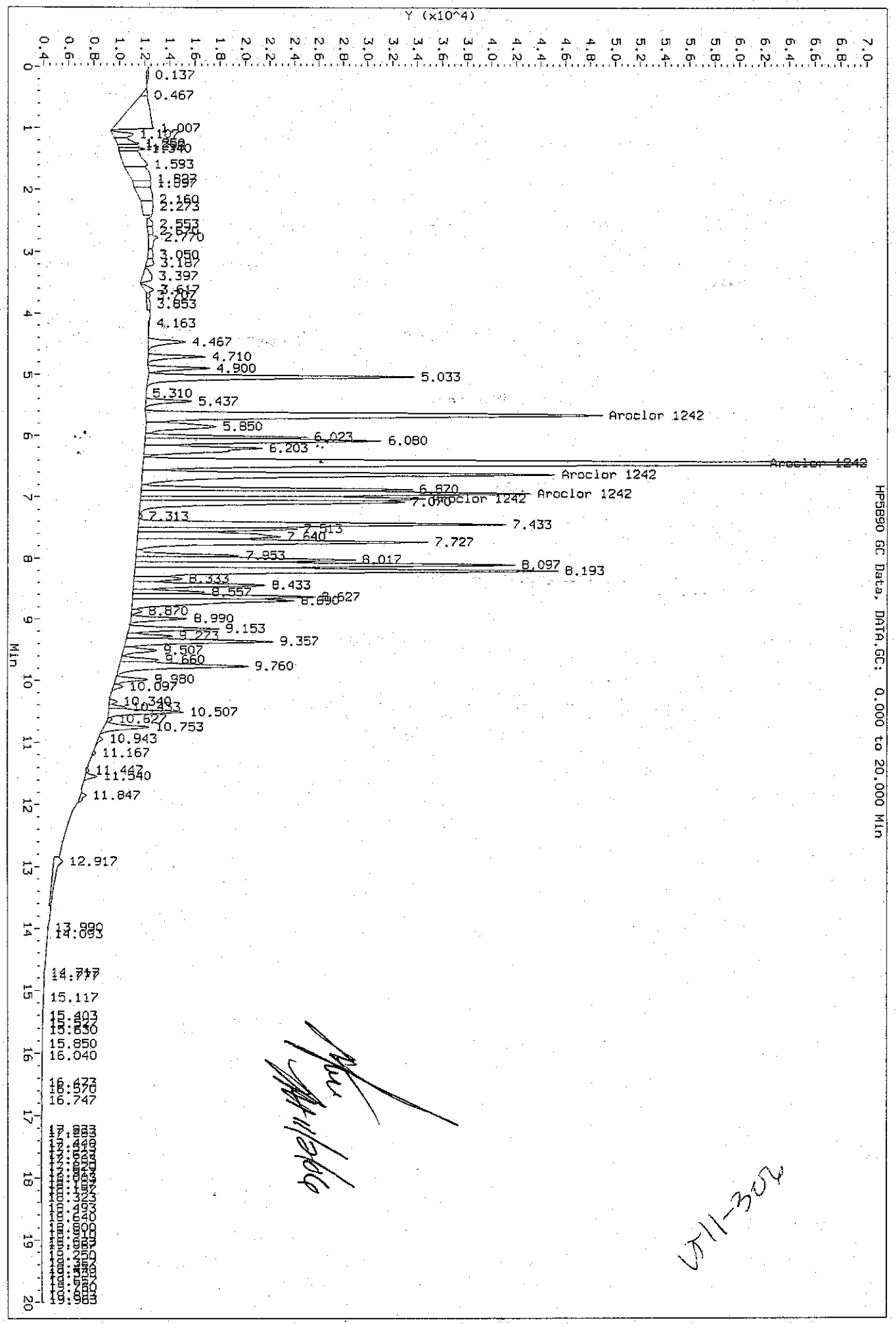
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

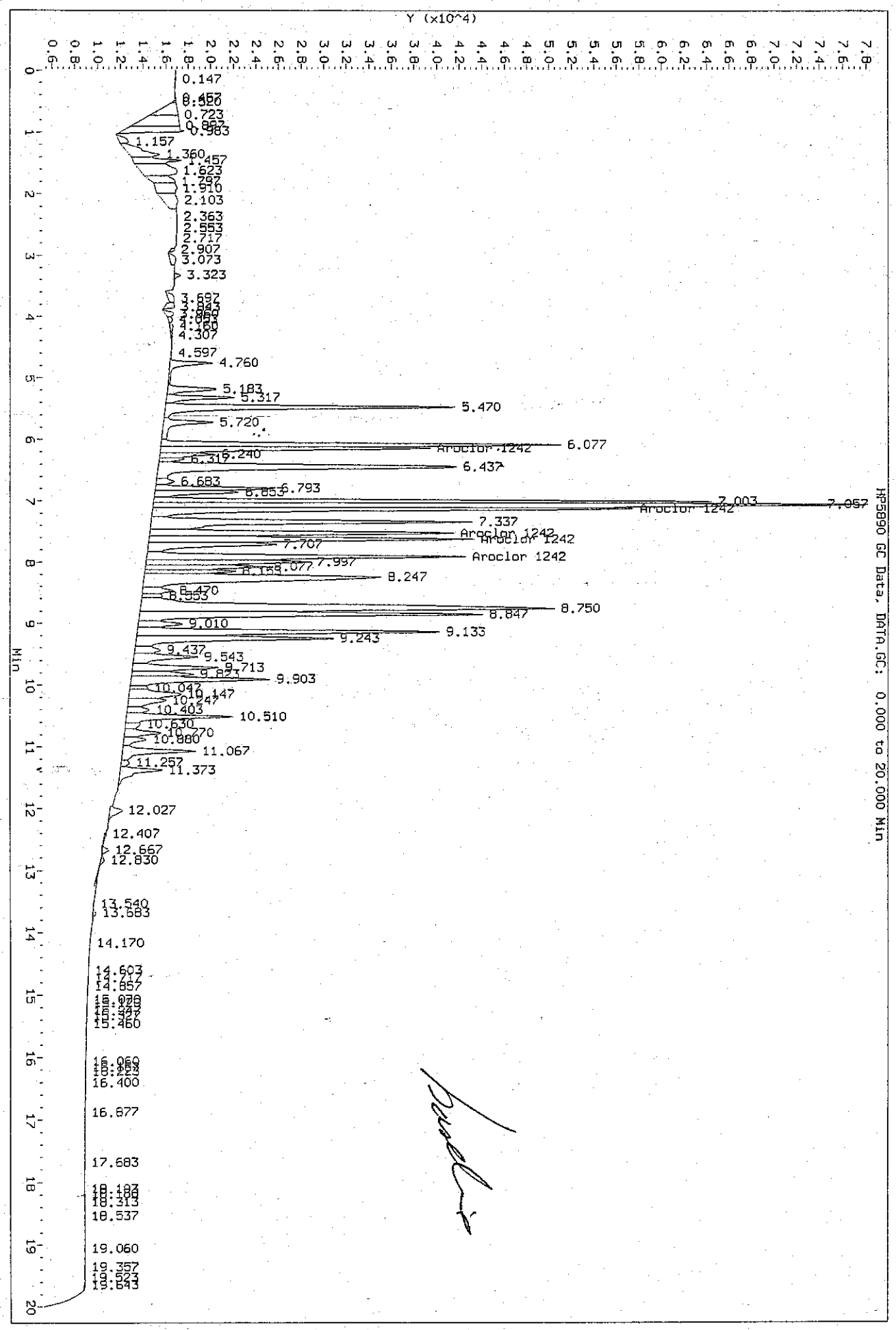


Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
Injection Date: 02-NOV-2006 03:26
Instrument: GC09.I
Client Sample ID:

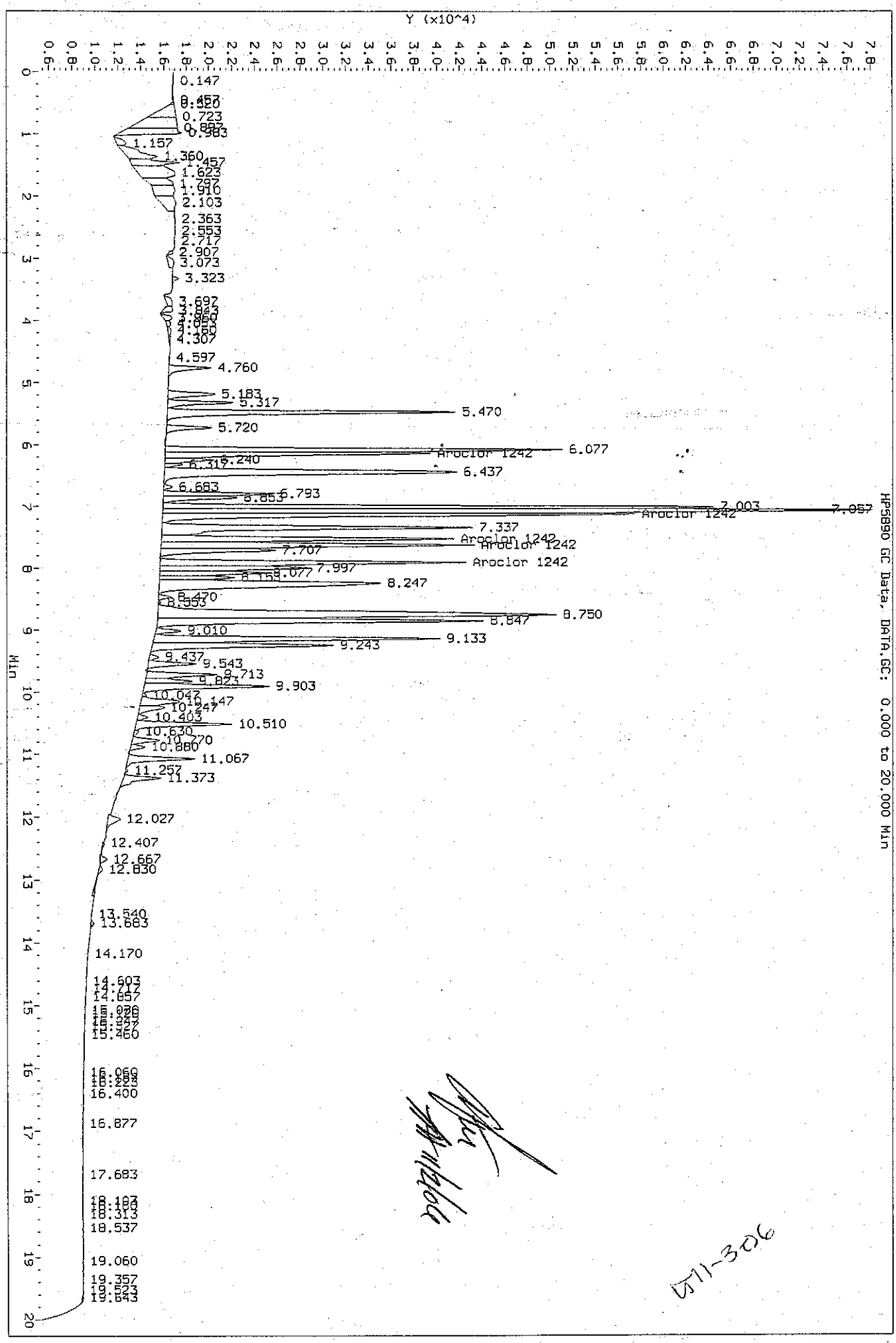



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F040.D
Injection Date: 02-NOV-2006 03:26
Instrument: GC09.I
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min
Y (x10^4)
Min
Aroclor 1242
Aroclor 1242
Aroclor 1242
Aroclor 1242
Aroclor 1242

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R040.D
Injection Date: 02-NOV-2006 03:26
Instrument: GC09.I
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R040.D
Injection Date: 02-NOV-2006 03:26
Instrument: GC09.i
Client Sample ID:



VJ11-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R041.D
Inj Date : 02-NOV-2006 03:50
Sample Info: 1248 @ 1000ppb | PCB4-76T | KWG0605028-40
Misc Info : SEMIVOA GC\W0605028\40-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.933	7.620	216533	158624	936	917	80.00- 120.00	100.00(M)
	7.433	7.907	175797	171439	933	922	65.16- 97.74	81.19(M)
	7.727	8.237	134754	167370	894	916	52.13- 78.20	62.23(M)
	8.097	8.750	213210	346897	894	890	82.49- 123.74	98.47(M)
	8.193	8.847	247790	205760	881	889	97.28- 145.92	114.44(M)
			Average of Peak Amounts =		908	907		

QC Flag Legend

M - Compound response manually integrated.

11/2/06

UT 11-3-06

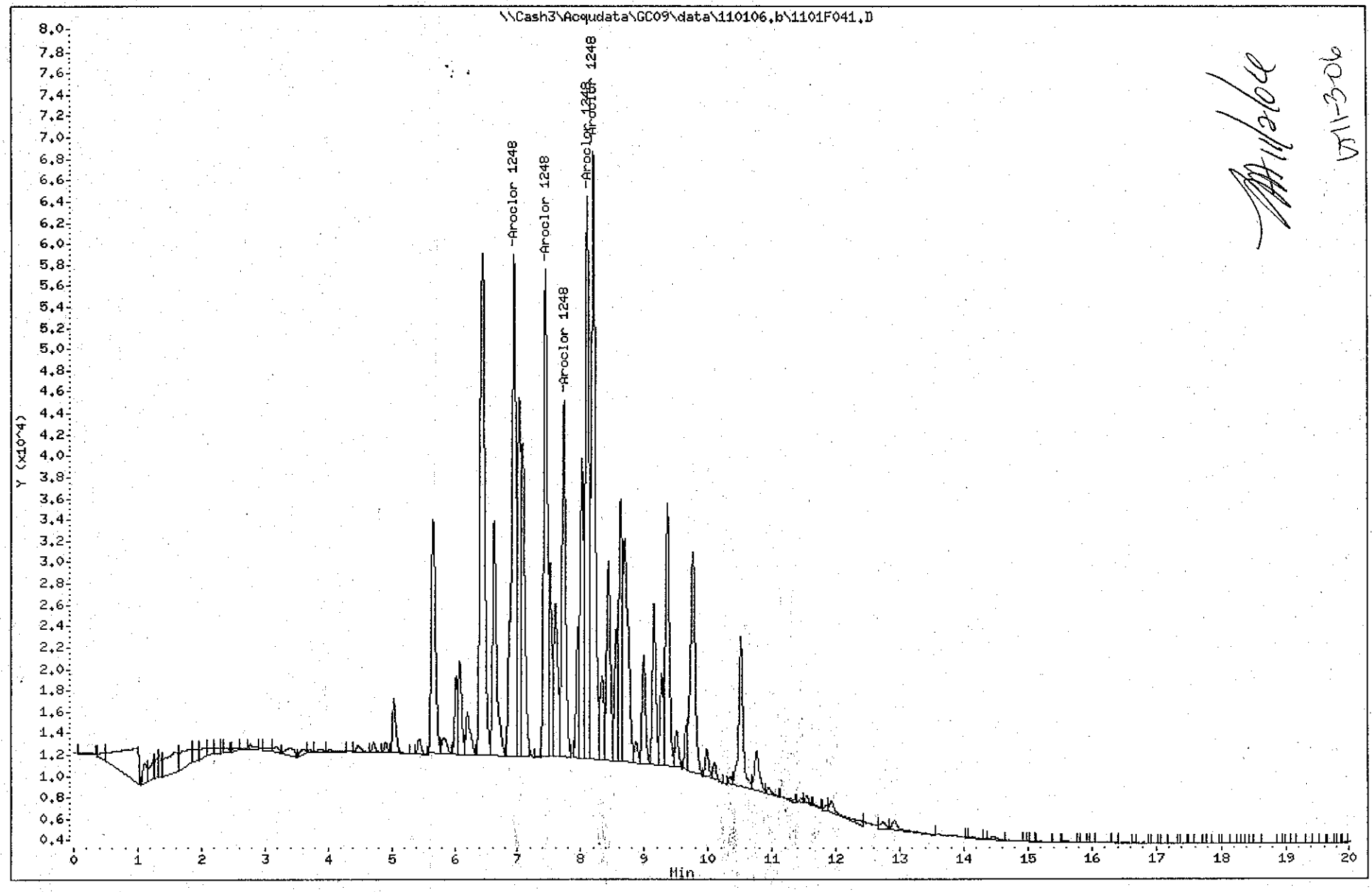
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
Date : 02-NOV-2006 03:50
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76T | KWG0605028-40

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



11/2/06
1511-306

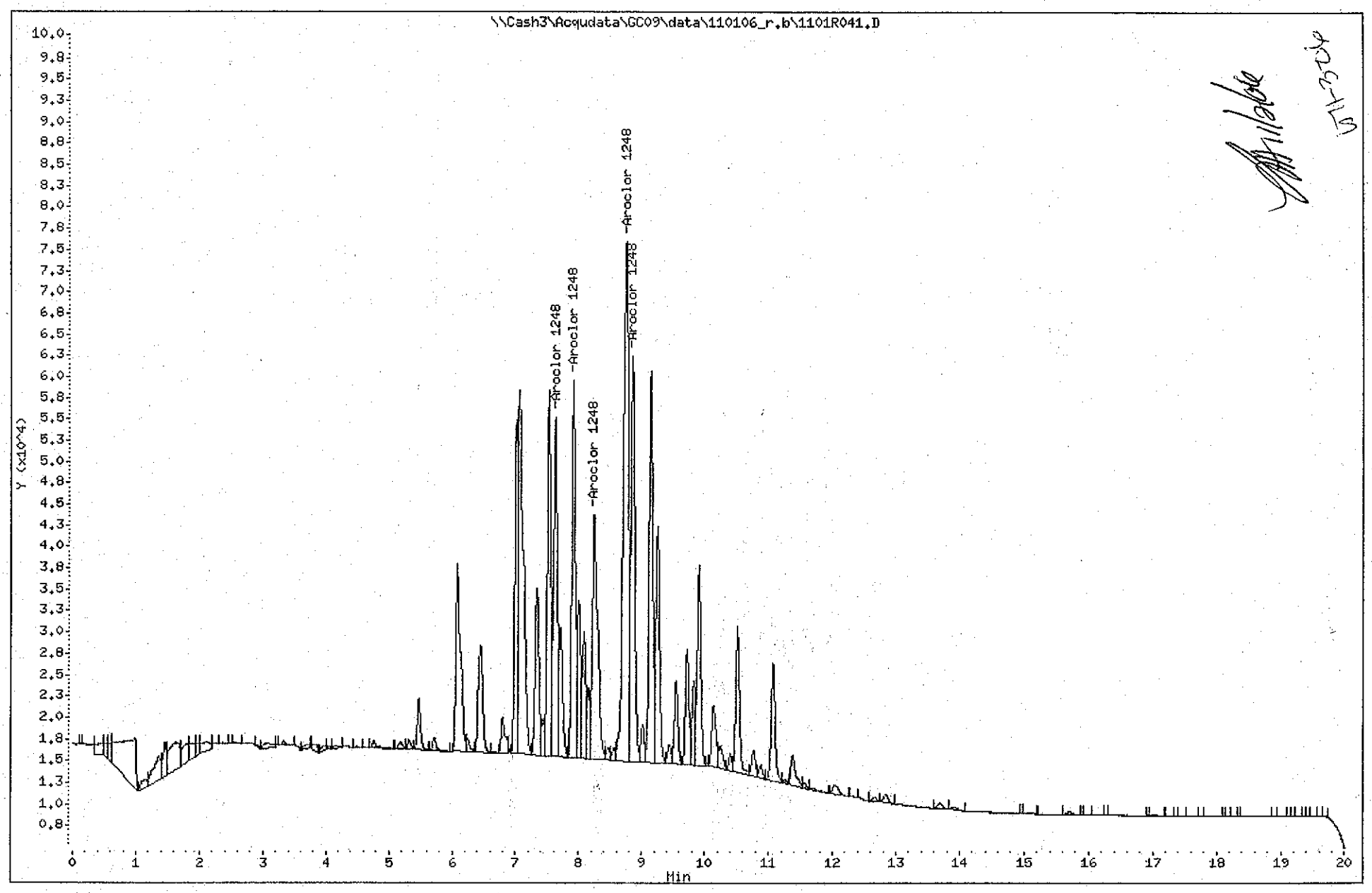
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R041.D
Date : 02-NOV-2006 03:50
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76T | KWG0605028-40

Instrument: GC09.i

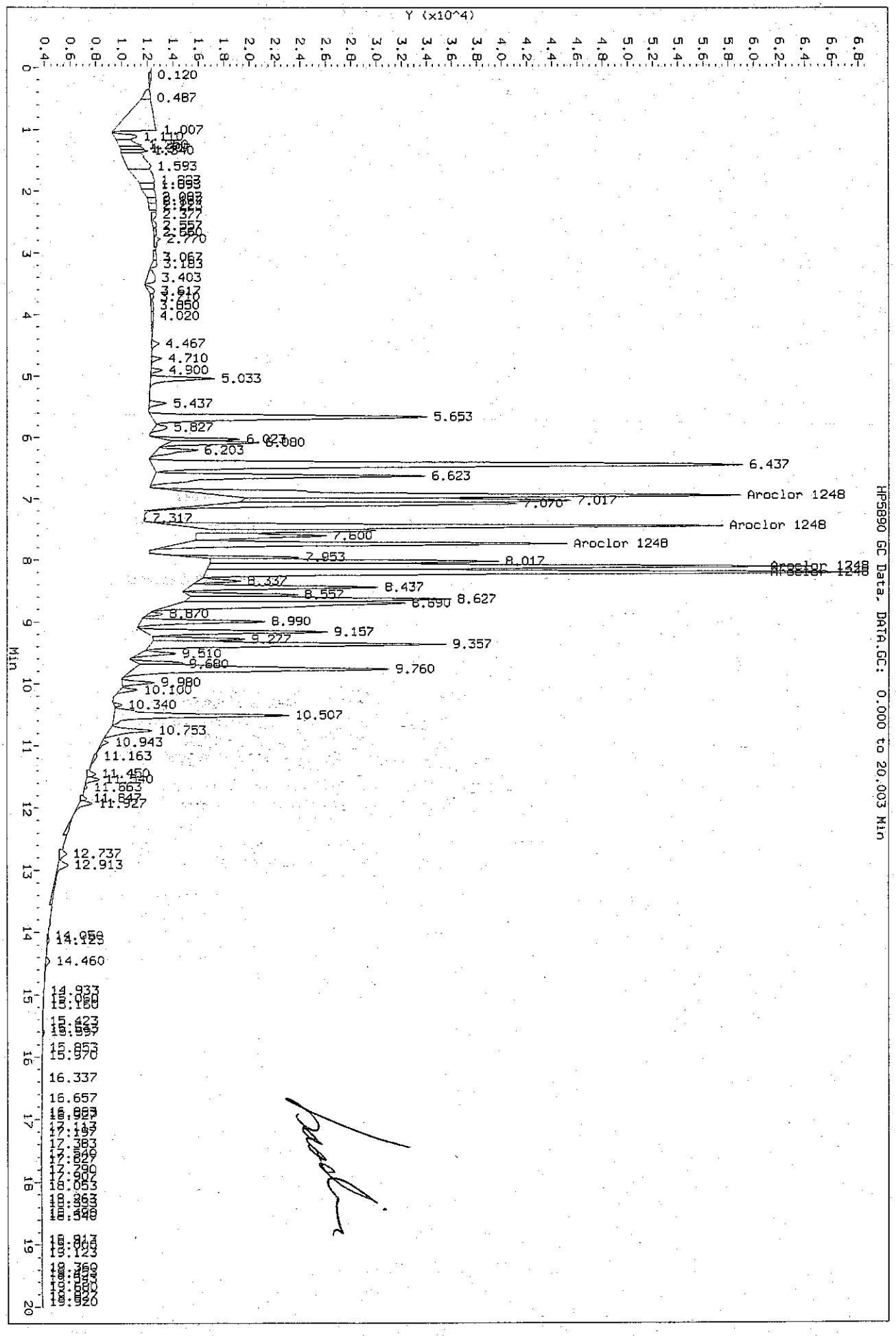
Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



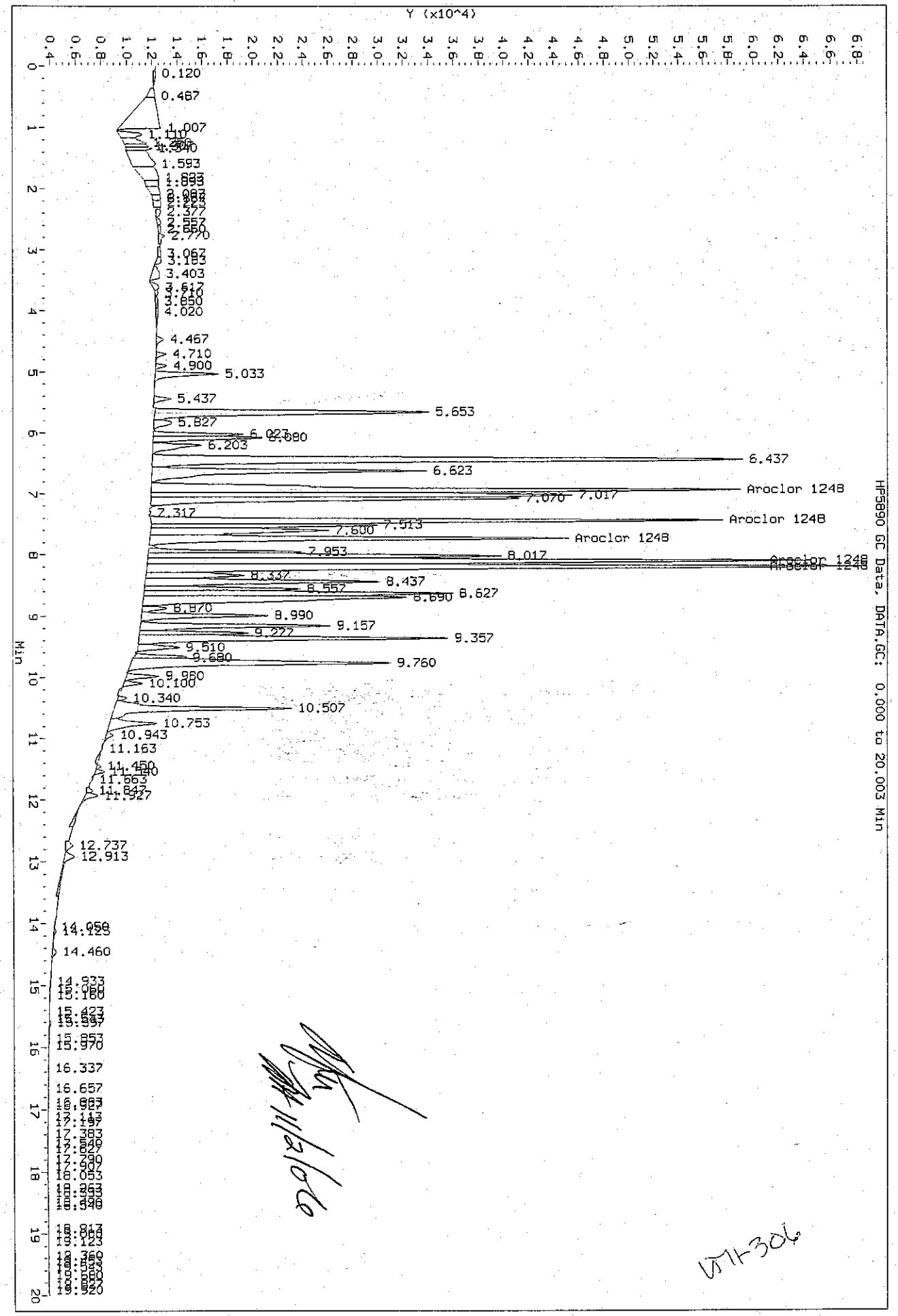
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
Injection Date: 02-NOV-2006 03:50
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F041.D
Injection Date: 02-NOV-2006 03:50
Instrument: GC09.1
Client Sample ID:

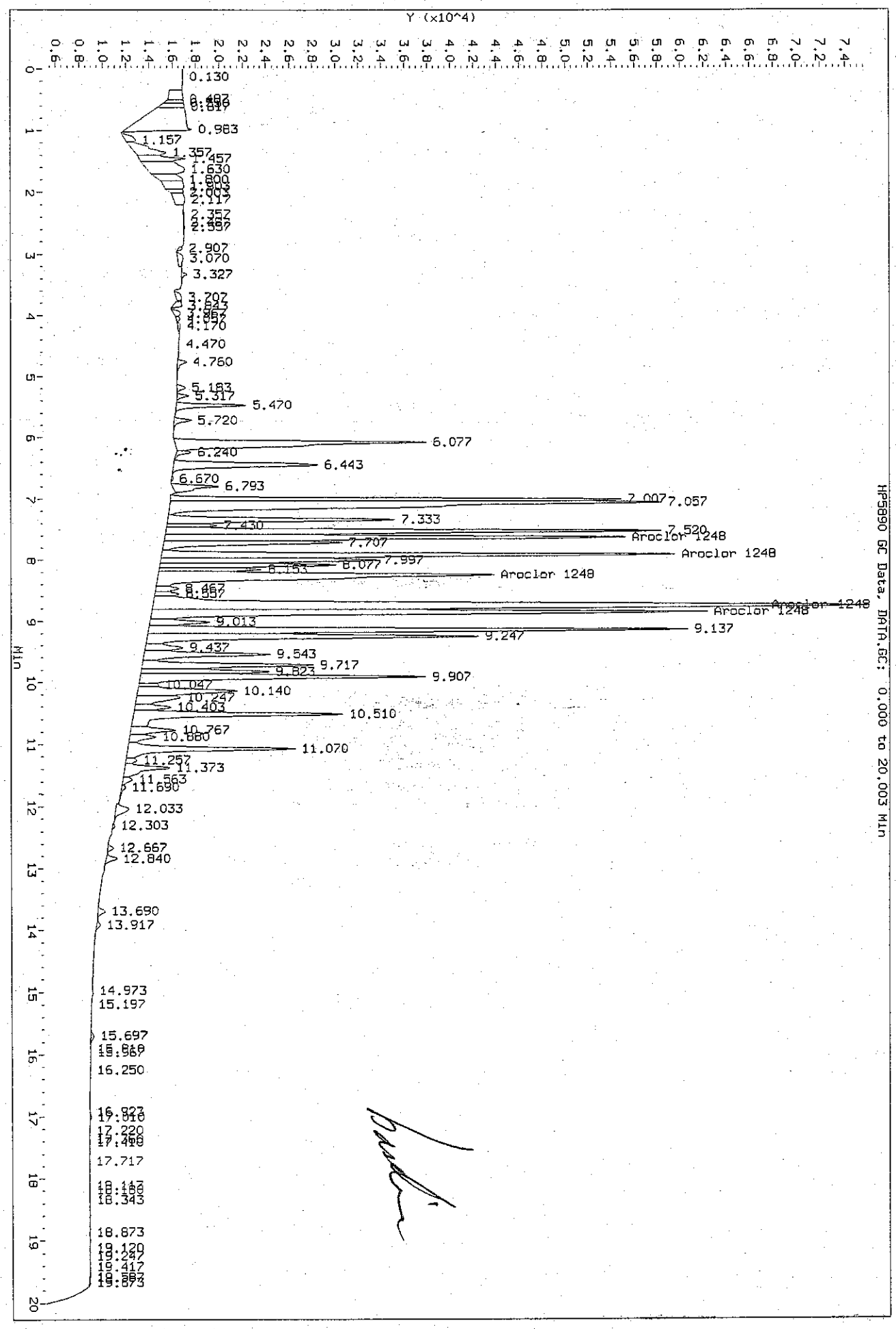
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min



11/2/06

VTH-306

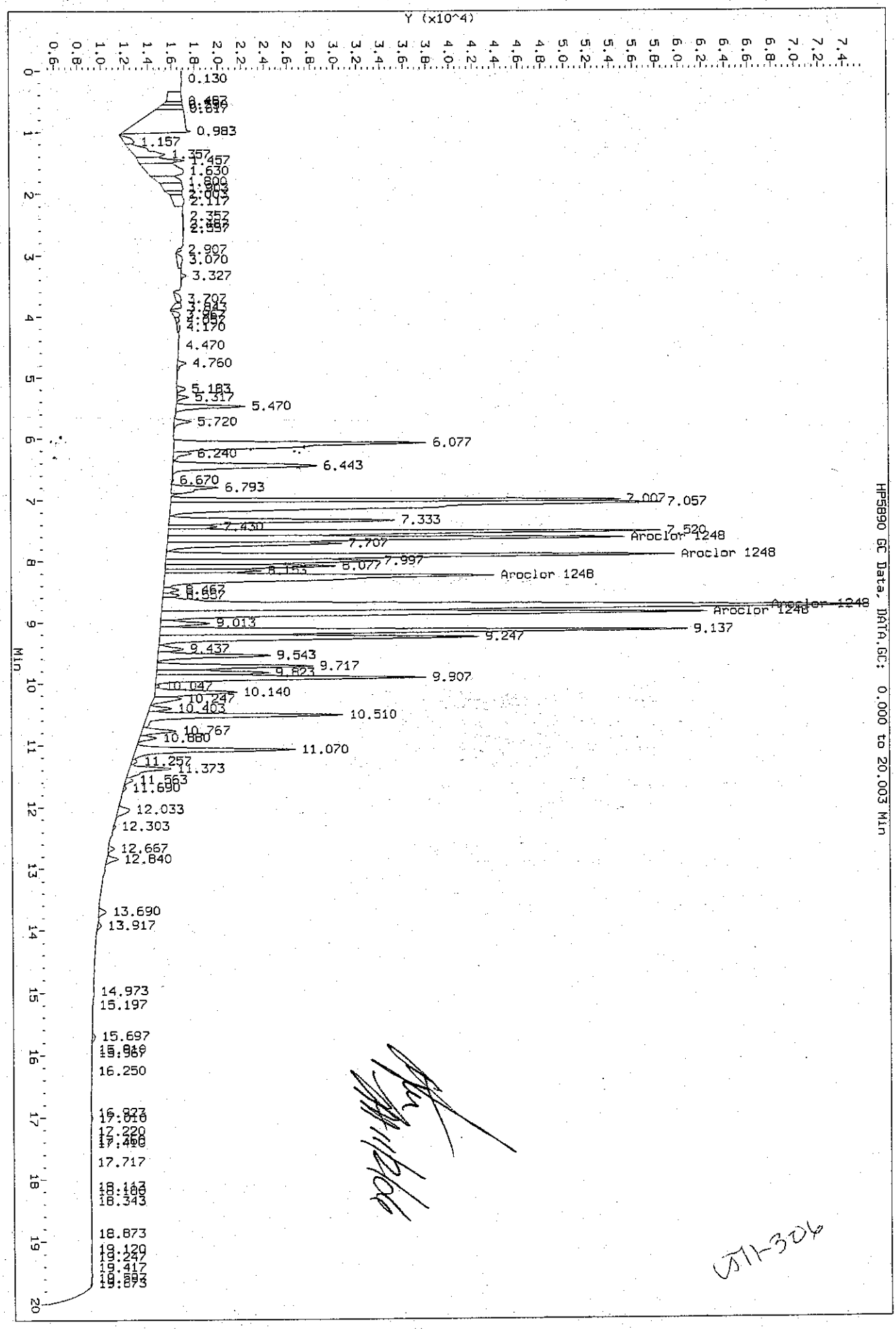
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R041.D
Injection Date: 02-NOV-2006 03:50
Instrument: GC09.I
Client Sample ID:



HP5890 GC Data, DATA.GC; 0.000 to 20.003 Min

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R041.D
Injection Date: 02-NOV-2006 03:50
Instrument: GC09.i
Client Sample ID:

HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F042.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F042.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R042.D
Inj Date : 02-NOV-2006 04:15
Sample Info: 1254 @ 1000ppb | PCB4-77A | KWG0605028-41
Misc Info : SEMIVOA GC\W0605028\41-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1254.SUB
Sub List #2 : AR1254.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1254	8.190	9.137	253907	319292	1010	994	80.00- 120.00	100.00
	8.437	9.717	273231	161190	1020	975	84.78- 127.17	107.61
	9.157	9.907	184606	307491	1020	962	57.66- 86.49	72.71
	9.360	10.513	387250	243910	1010	976	121.33- 182.00	152.52
	9.763	11.377	346514	327627	1020	1140	108.04- 162.06	136.47
			Average of Peak Amounts =		1020	1010		

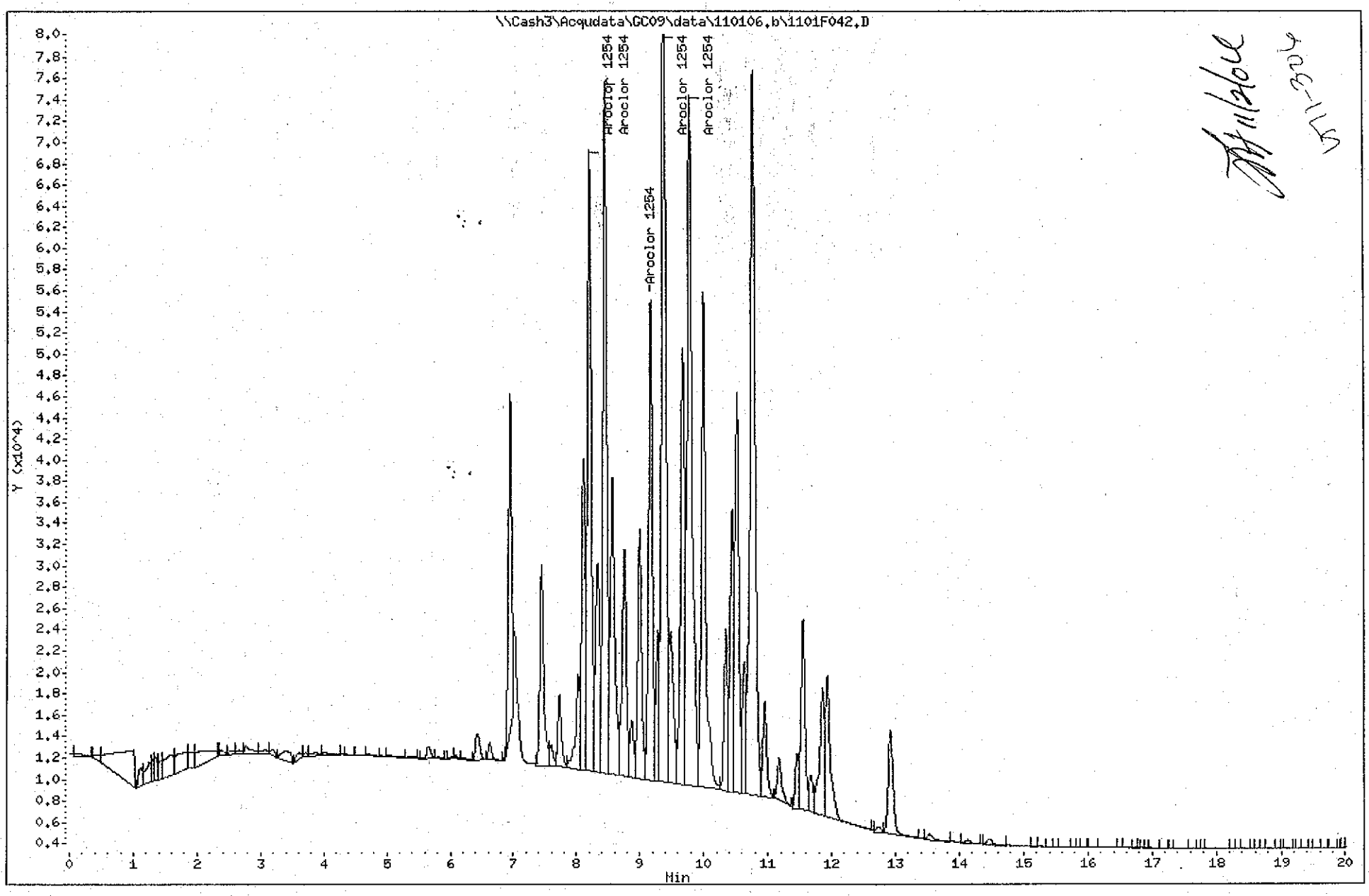
11/2/06

511-306

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F042.D
Date : 02-NOV-2006 04:15
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-77A | KWG0605028-41

Instrument: GC09.i

Operator: LHarris
Column phase: DB-35MS
Column diameter: 0.53



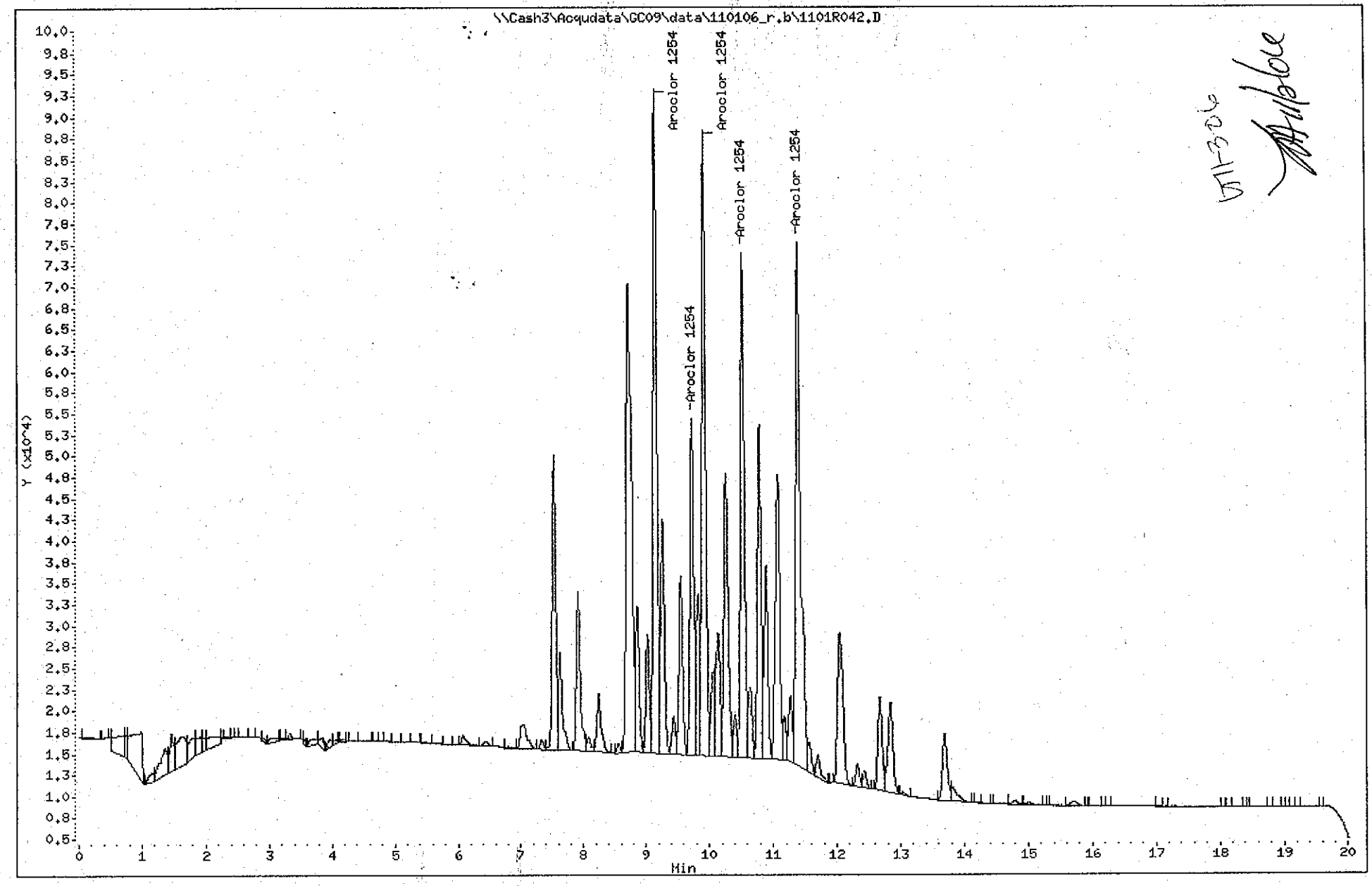
11/2/06
LH

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R042.D
Date : 02-NOV-2006 04:15
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-77A | KWG0605028-41

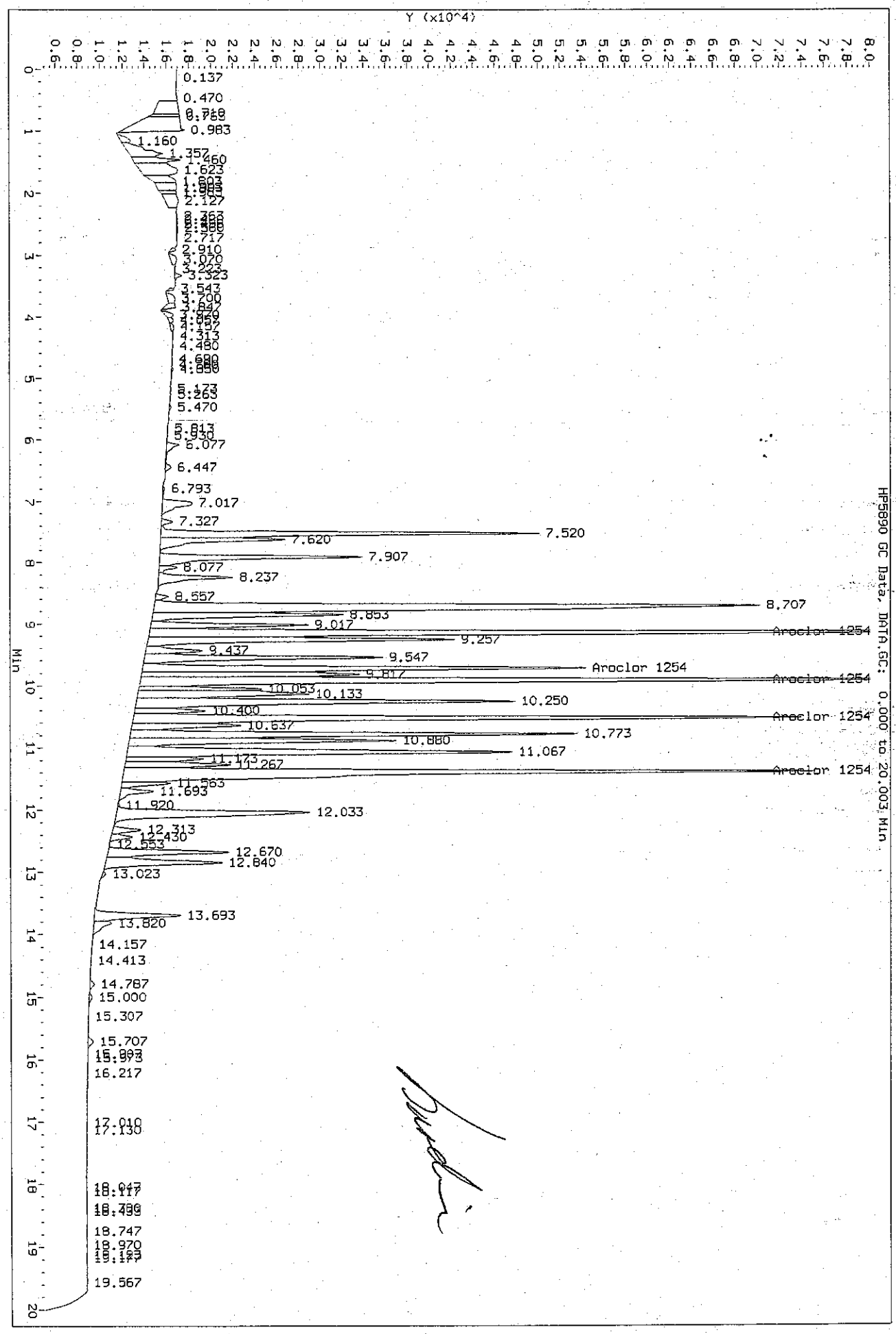
Instrument: GC09.i

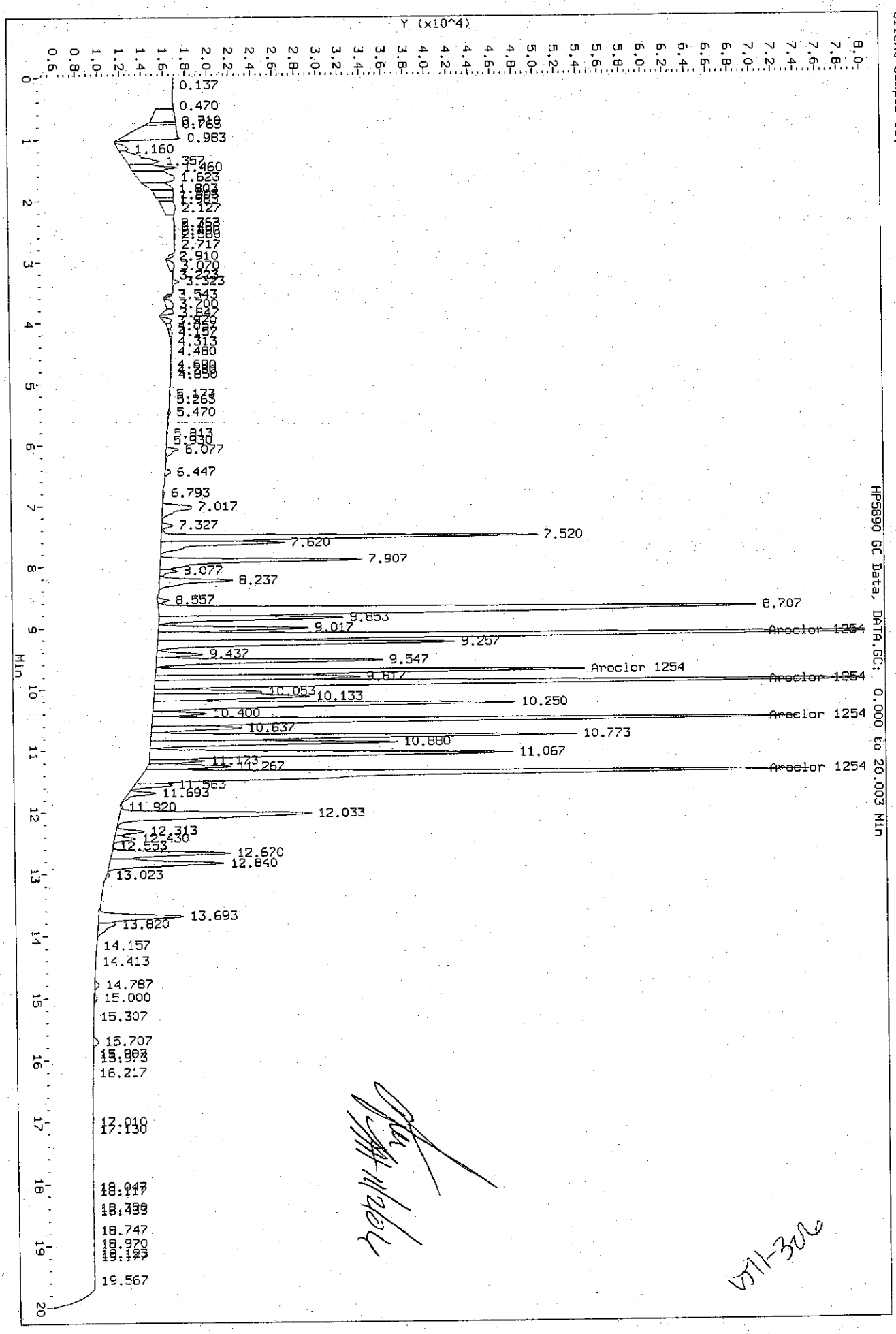
Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R042.D
Injection Date: 02-NOV-2006 04:15
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R042.D
Injection Date: 02-NOV-2006 04:15
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.003 Min
Y (x10^4)
Min
Aroclor 1254
Aroclor 1254
Aroclor 1254
Aroclor 1254
Aroclor 1254

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F043.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F043.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R043.D
Inj Date : 02-NOV-2006 04:39
Sample Info: 1260 @ 1000ppb | PCB4-77B | KWG0605028-42
Misc Info : SEMIVOA GC\W0605028\42-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1260.sub
Sub List #2 : AR1260.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1260	9.377	10.247	198608	247506	847	928	80.00- 120.00	100.00
	9.980	10.773	318168	277166	907	909	119.49- 179.24	160.20
	10.750	11.380	290834	320211	865	894	121.86- 182.79	146.44
	11.453	11.567	227249	217299	1040	1200	74.80- 112.19	114.42
	11.930	12.080	504930	239440	1130	1040	161.32- 241.98	254.23
			Average of Peak Amounts =		958	994		

11/2/06

V11-306

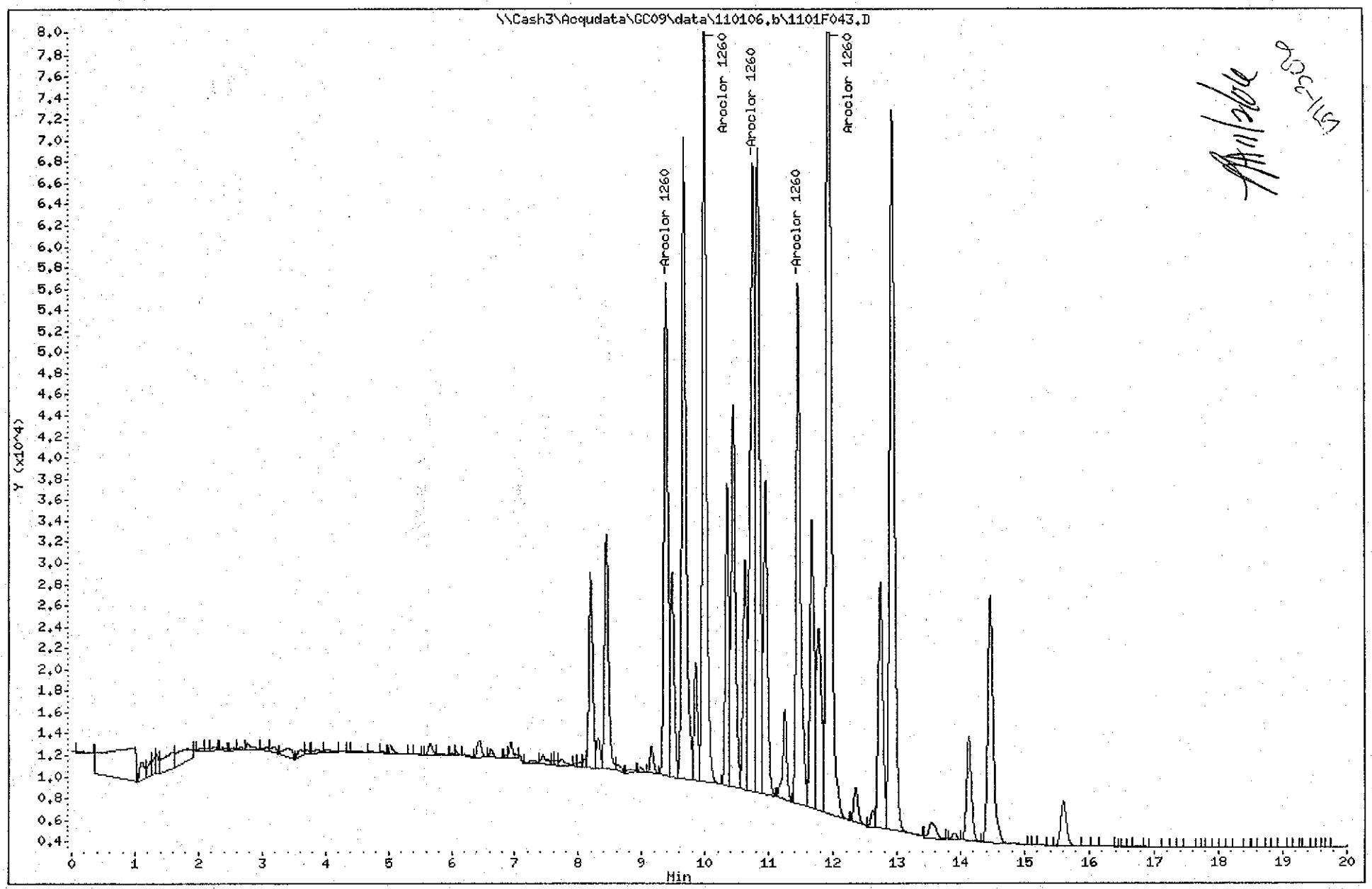
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F043.D
Date : 02-NOV-2006 04:39
Client ID:
Sample Info: 1260 @ 1000ppb | PCB4-77B | KWG0605028-42

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



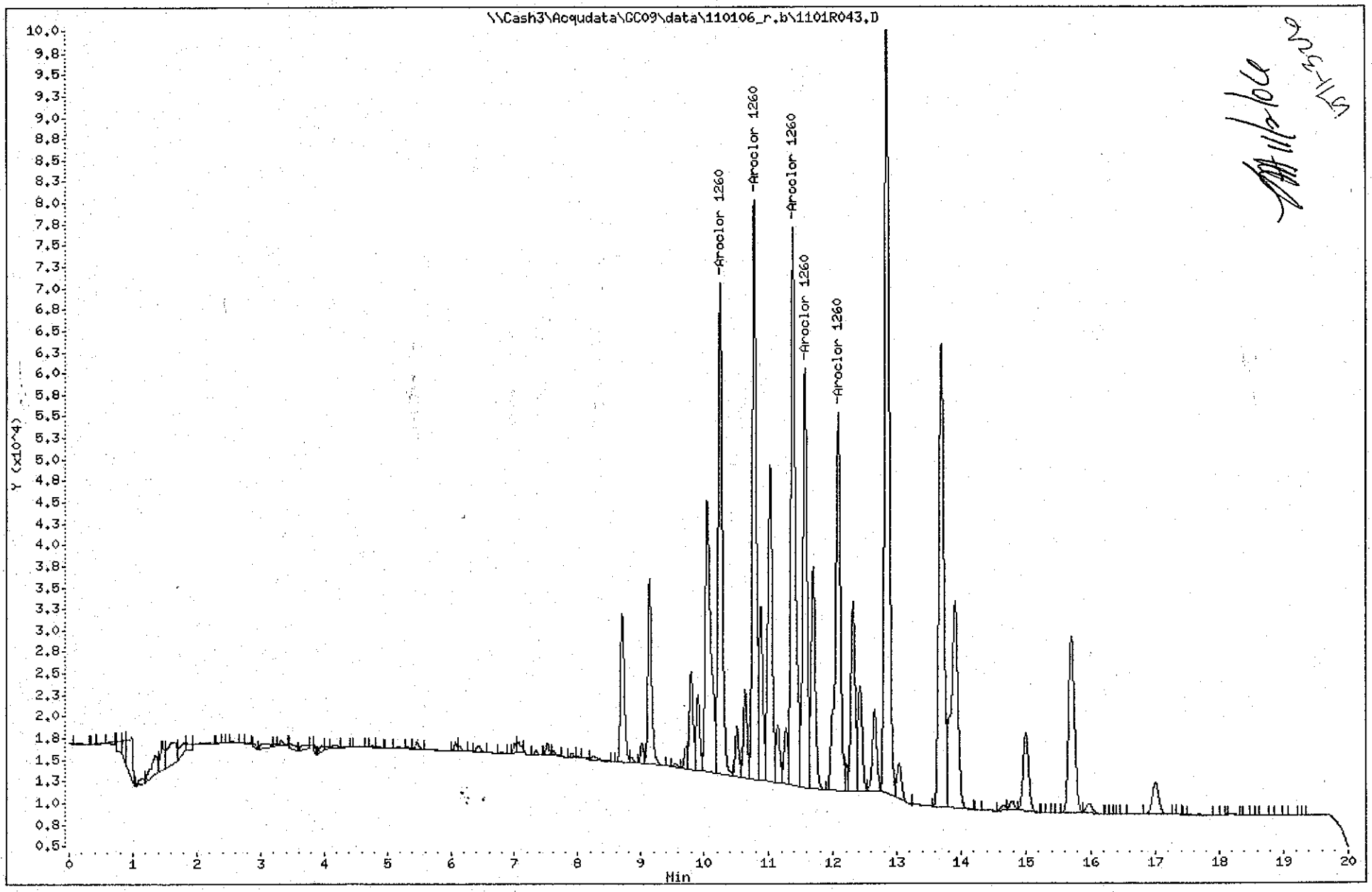
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R043.D
Date : 02-NOV-2006 04:39
Client ID:
Sample Info: 1260 @ 1000ppb | PCB4-77B | KWG0605028-42

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F044.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F044.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R044.D
Inj Date : 02-NOV-2006 05:04
Sample Info: 1262 @ 1000ppb | PCB4-77C | KWG0605028-43
Misc Info : SEMIVOA GC\W0605028\43-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1262.SUB
Sub List #2 : AR1262.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1262	10.827	11.567	361341	310127	1010	1010	80.00- 120.00	100.00
	11.453	12.083	276376	237239	1020	1000	60.24- 90.36	76.49
	11.930	12.840	548945	512330	1020	997	120.56- 180.84	151.92
	12.737	13.697	234325	375405	1020	1020	50.99- 76.48	64.85
	12.917	13.917	420679	278416	1020	1010	92.25- 138.38	116.42
		Average of Peak Amounts =			1020	1010		

11/2/06
W11-306

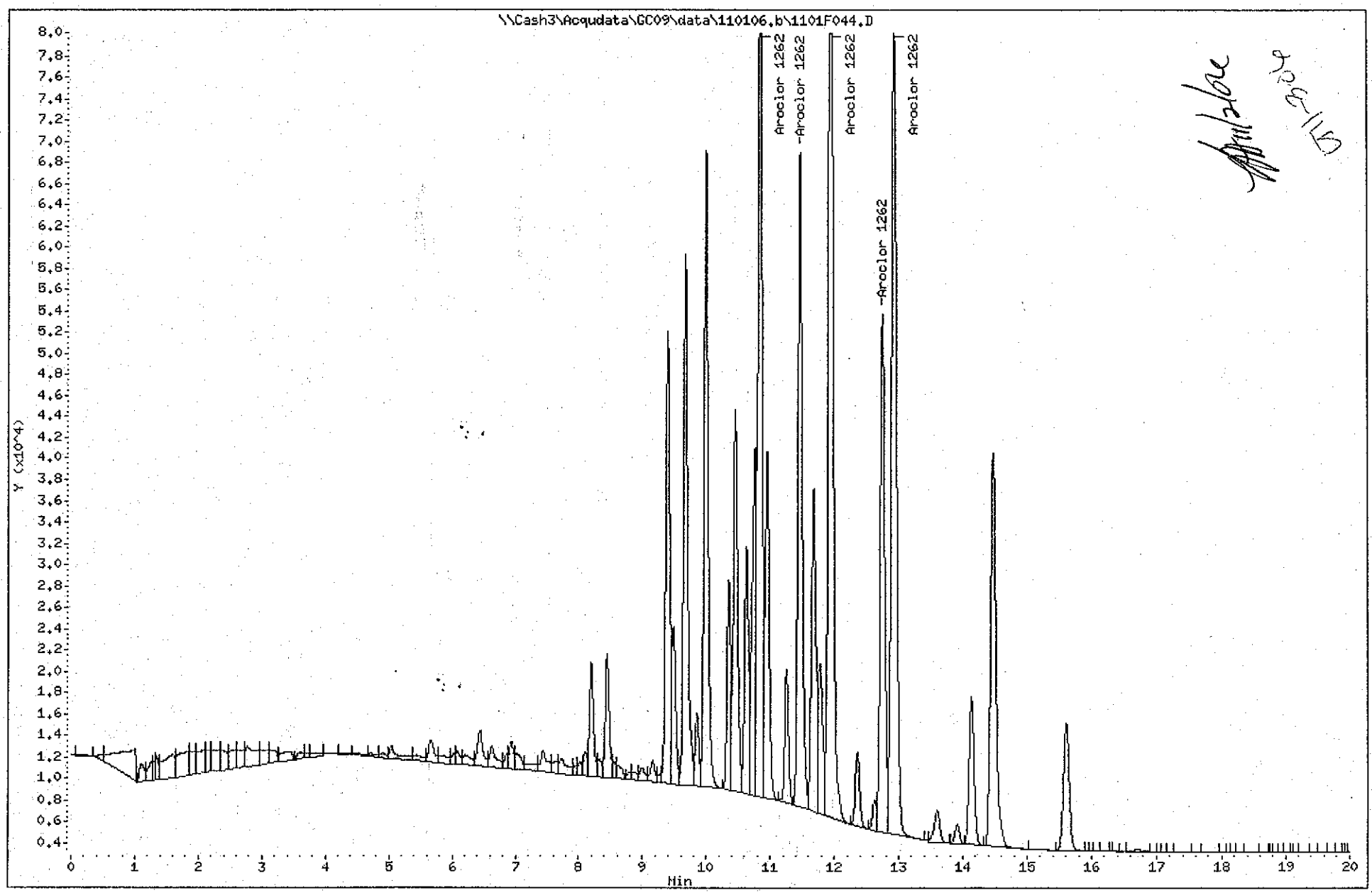
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F044.D
Date : 02-NOV-2006 05:04
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-77C | KWG0605028-43

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

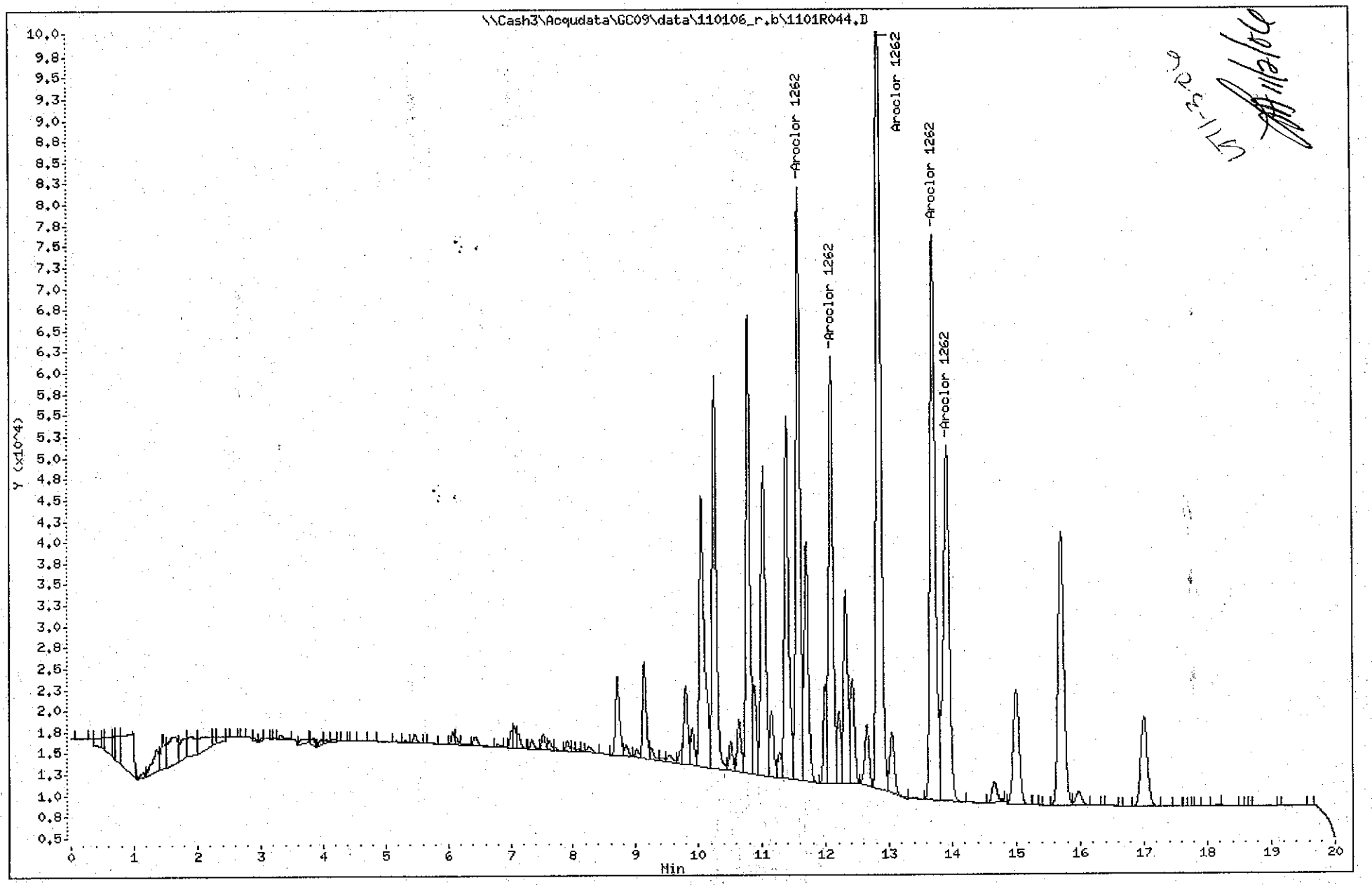


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R044.D
Date : 02-NOV-2006 05:04
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-77C | KWG0605028-43

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F045.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F045.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R045.D
Inj Date : 02-NOV-2006 05:29
Sample Info: 1268 @ 1000ppb | PCB4-77D | KWG0605028-44
Misc Info : SEMIVOA GC\W0605028\44-ICV.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1268.SUB
Sub List #2 : AR1268.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1268	12.900	13.923	657966	633080	984	977	80.00- 120.00	100.00
	13.600	14.660	571040	562522	985	982	69.37- 104.06	86.79
	13.910	14.957	134079	144992	923	928	17.39- 26.08	20.38
	14.463	15.707	215370	214437	882	880	29.21- 43.82	32.73
	15.603	17.003	1581074	1578108	907	907	208.69- 313.04	240.30
			Average of Peak Amounts =		936	935		

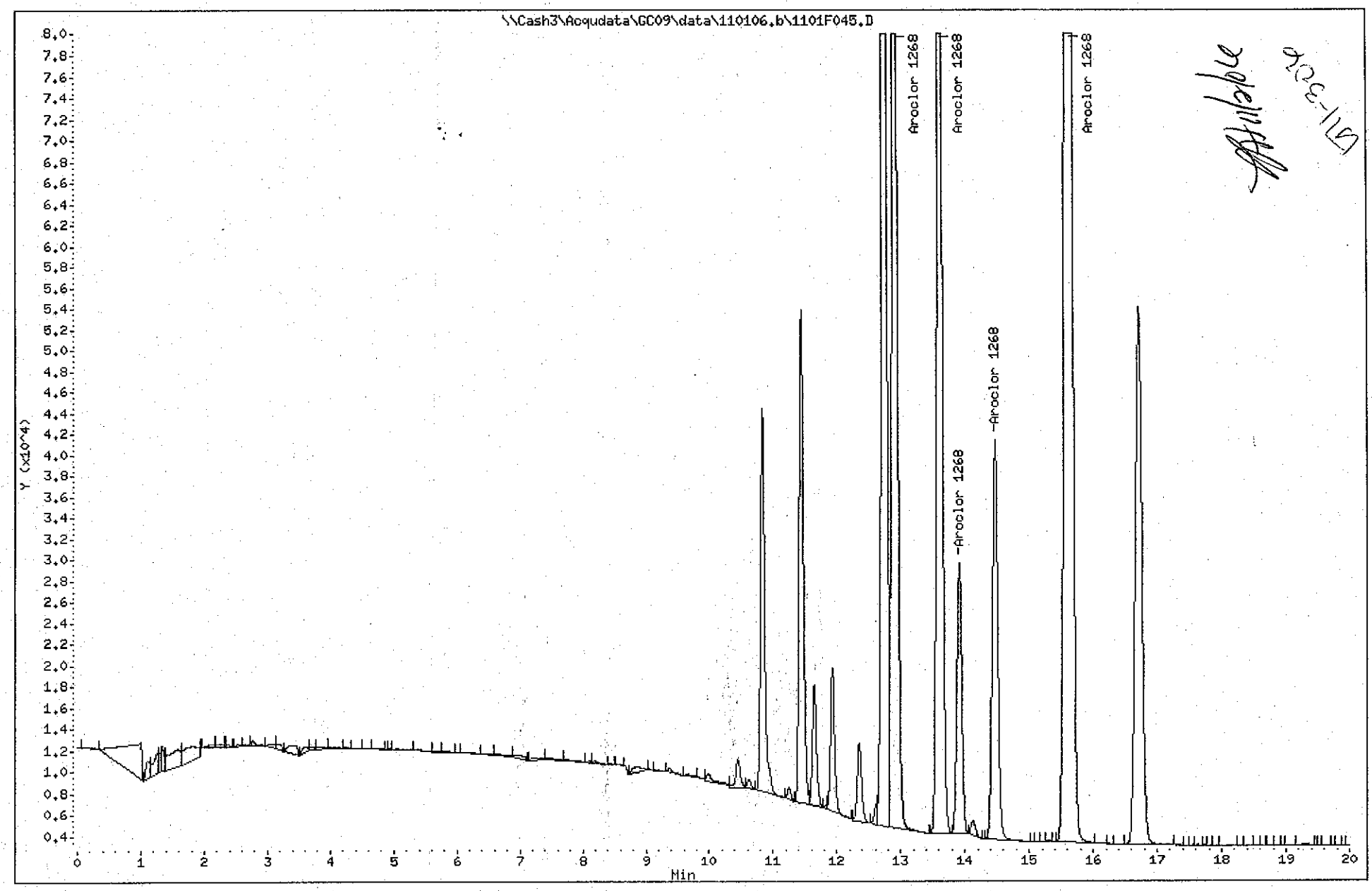
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F045.D
Date : 02-NOV-2006 05:29
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-77D | KWG0605028-44

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

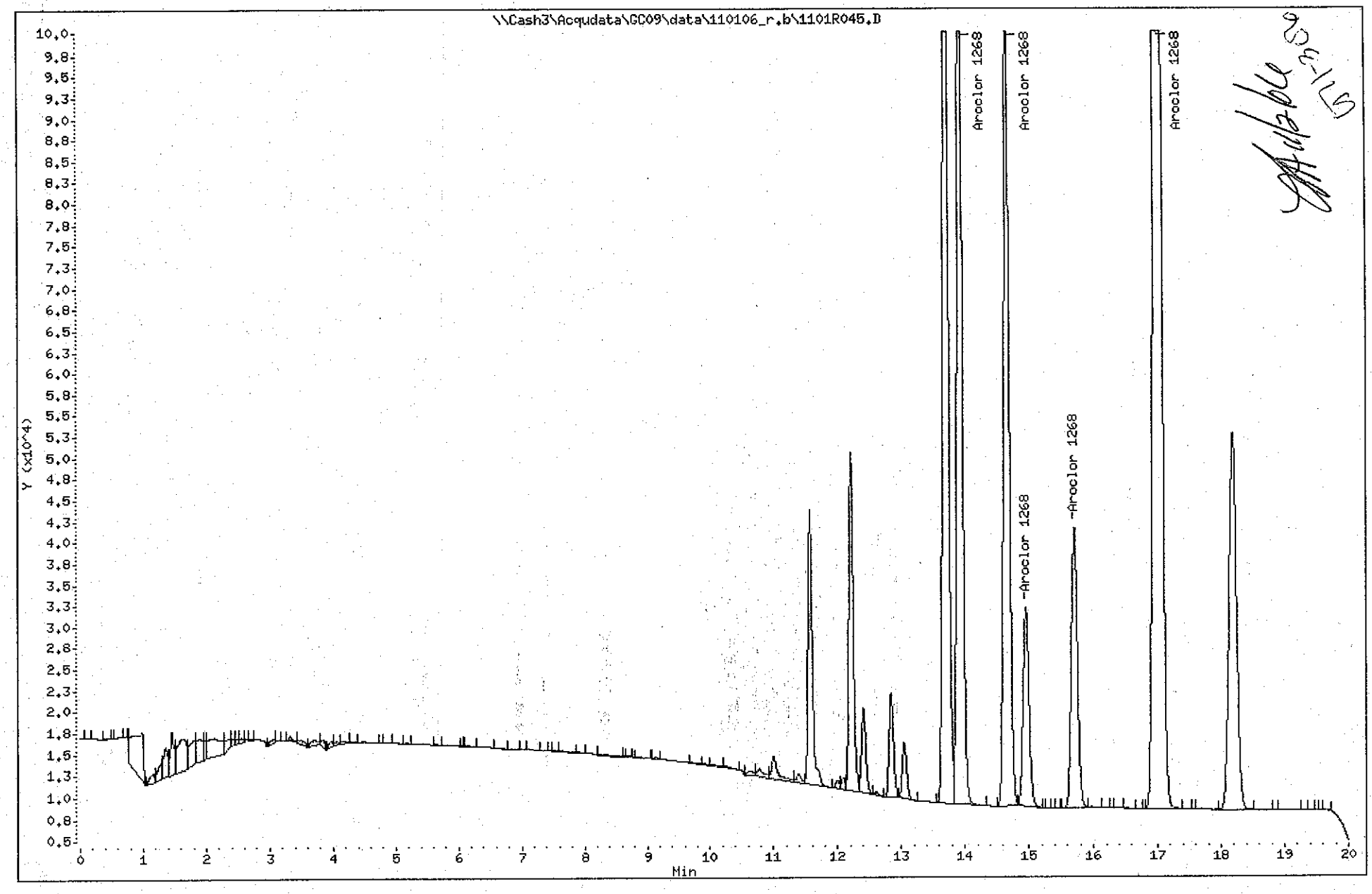


Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R045.D
Date : 02-NOV-2006 05:29
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-77D | KWG0605028-44

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F046.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F046.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R046.D
Inj Date : 02-NOV-2006 05:53
Sample Info: IB
Misc Info : SEMIVOA GC\W0605028\2-IB.H
Cal Date : 02-NOV-2006 11:20
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
2,2',4,4',5,5'-HBB	19.167	0.000	139	0	0.000	0.000		100.00

11/2/06

11-3-06

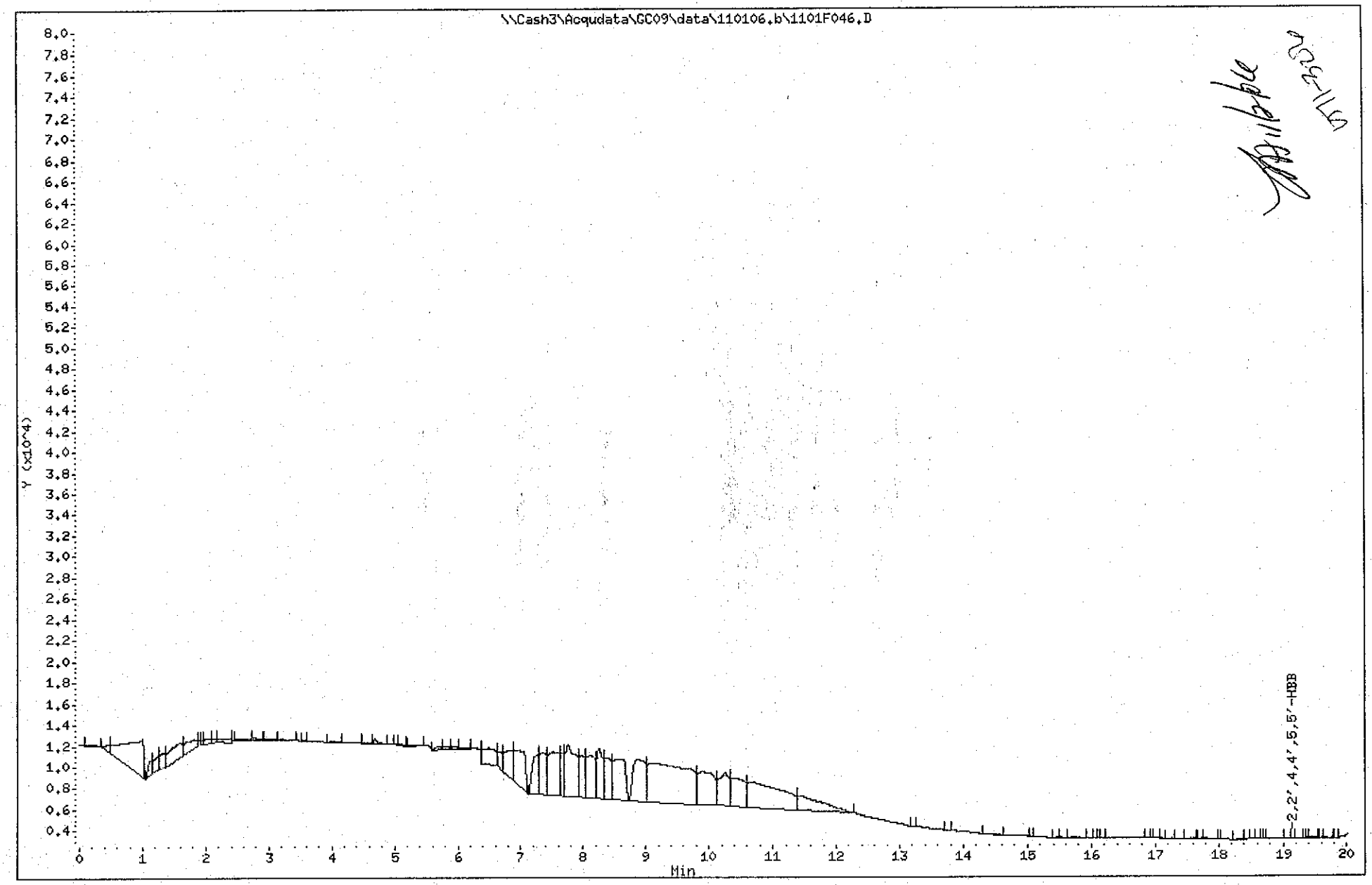
Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F046.D
Date : 02-NOV-2006 05:53
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



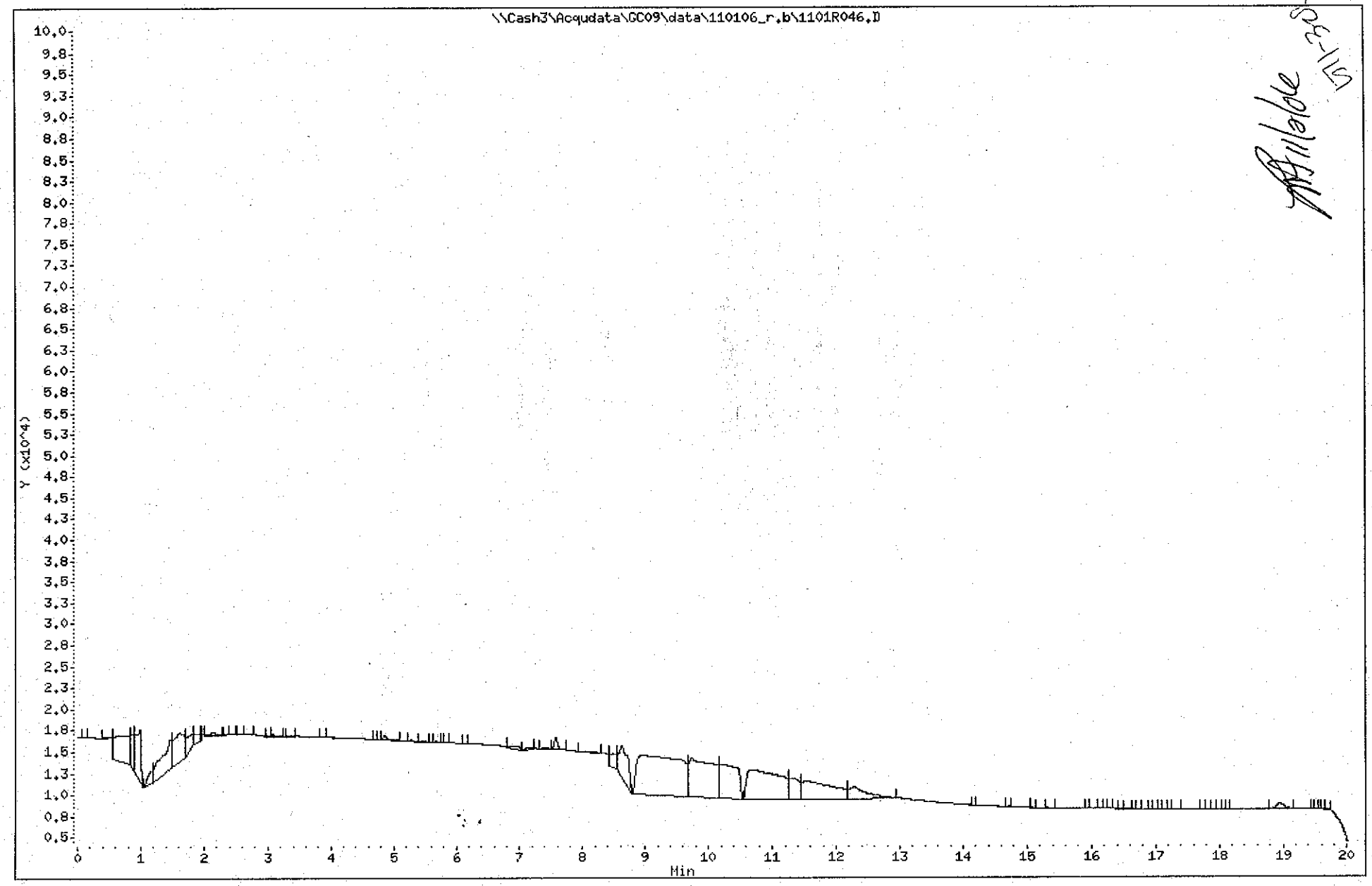
Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R046.D
Date : 02-NOV-2006 05:53
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



527
B - 527

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F047.D
Report Date: 02-Nov-2006 12:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\110106.b\1101F047.D
Sample #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\1101R047.D
Inj Date : 02-NOV-2006 06:17
Sample Info: 1660 @ 500ppb | PCB4-80D
Misc Info : SEMIVOA GC\W0605028\33-ICAL.H
Cal Date : 02-NOV-2006 11:23
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\110106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\110106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.257	4.937	269481	314598	55.0	54.2		100.00
Aroclor 1016	6.080	6.077	56215	92024	546	541	80.00- 120.00	100.00(M)
	6.440	7.060	262132	183976	529	528	373.04- 559.56	466.30(M)
	6.623	7.117	108419	116885	511	511	154.29- 231.44	192.86(M)
	6.933	7.520	96560	74368	549	564	137.41- 206.12	171.77(M)
	7.437	7.620	81296	83018	553	562	115.69- 173.54	144.61(M)
		Average of Peak Amounts =			538	541		
Aroclor 1260	9.377	10.247	126127	148744	538	558	80.00- 120.00	100.00(M)
	9.980	10.777	188387	164245	537	538	119.49- 179.24	149.36(M)
	10.750	11.380	192119	201590	572	562	121.86- 182.79	152.32(M)
	11.453	11.567	117922	106457	542	590	74.80- 112.19	93.49(M)
	11.930	12.080	254331	123068	569	534	161.32- 241.98	201.65(M)
		Average of Peak Amounts =			552	556		
Decachlorobiphenyl	16.710	18.190	269737	271382	53.6	53.5		100.00

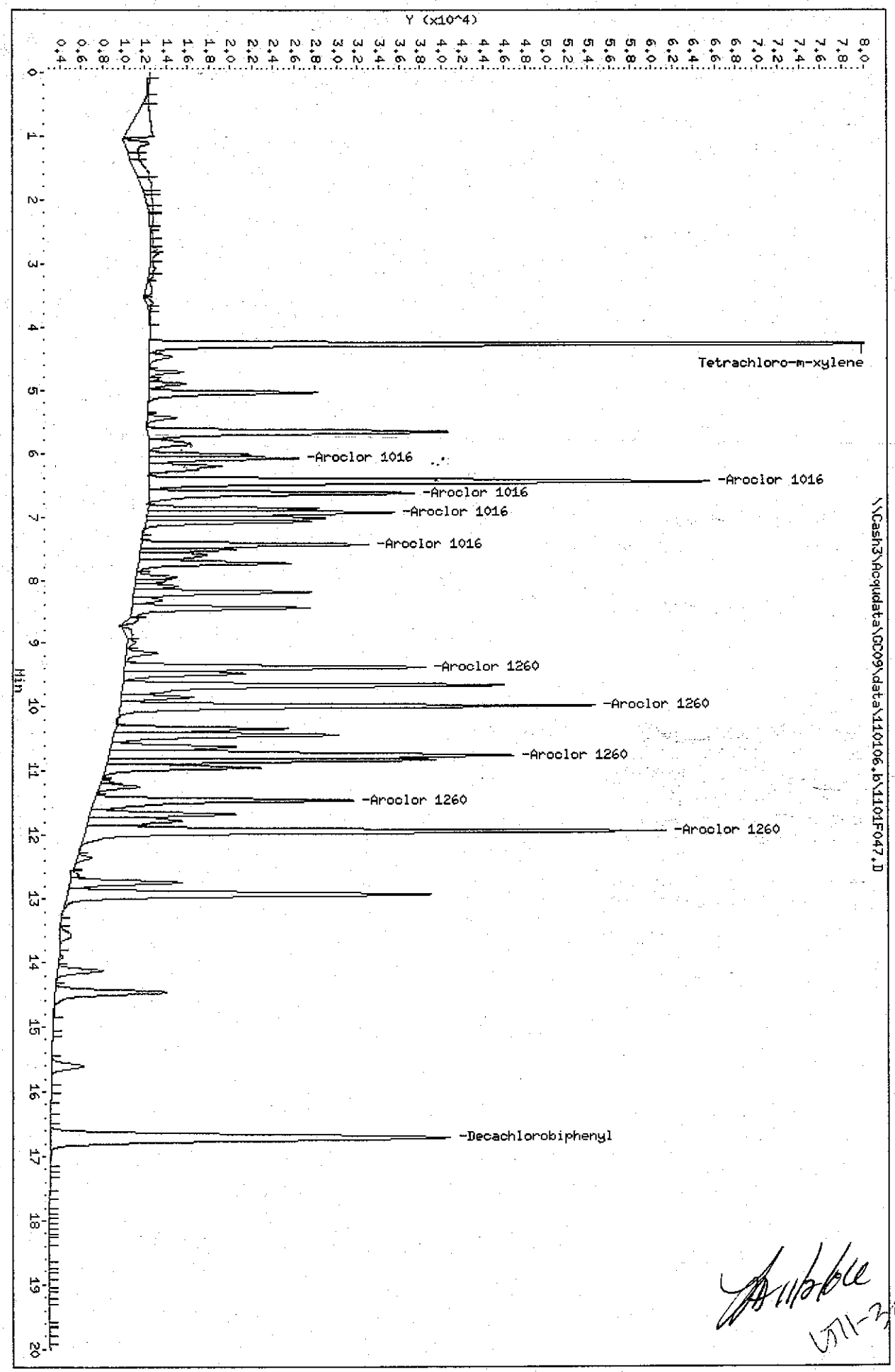
QC Flag Legend

M - Compound response manually integrated.

11/3/06
VT11-3006

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F047.D
Date : 02-NOV-2006 06:17
Client ID:
Sample Info: 1660 @ 500ppb | PCB4-80D
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



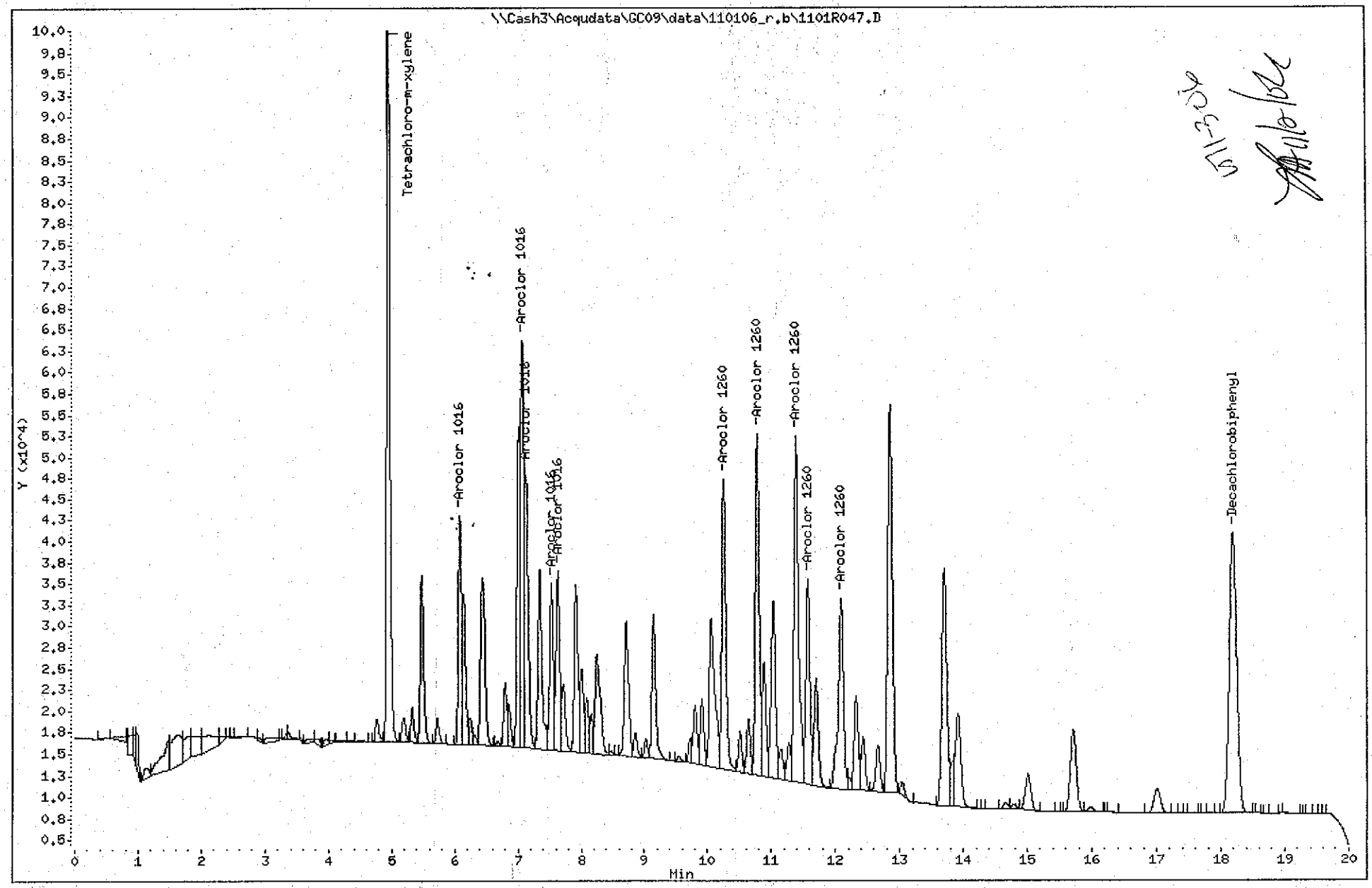
11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106_r.b\1101R047.D
Date : 02-NOV-2006 06:17
Client ID:
Sample Info: 1660 @ 500ppb | PCB4-80D

Instrument: GC09.i

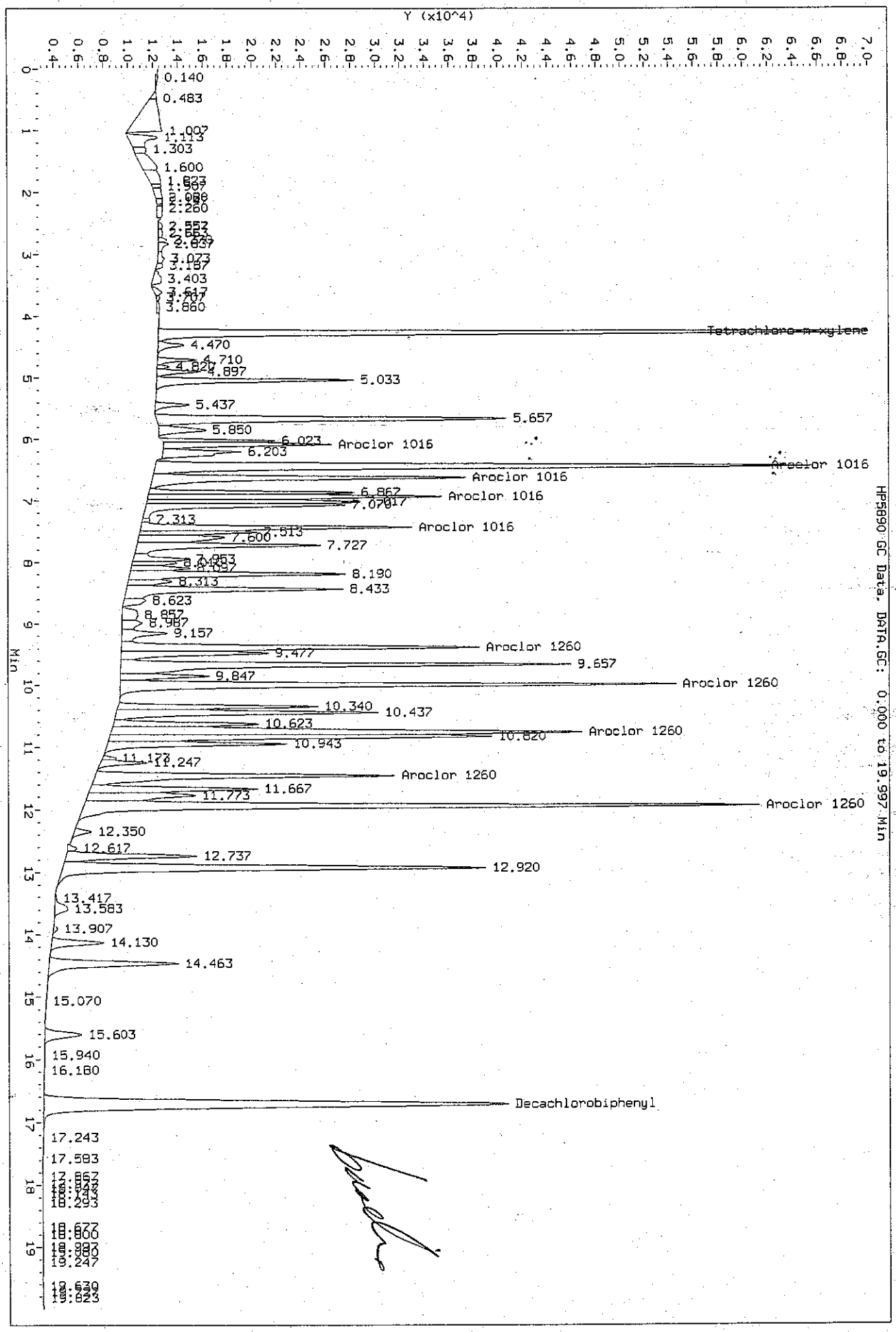
Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



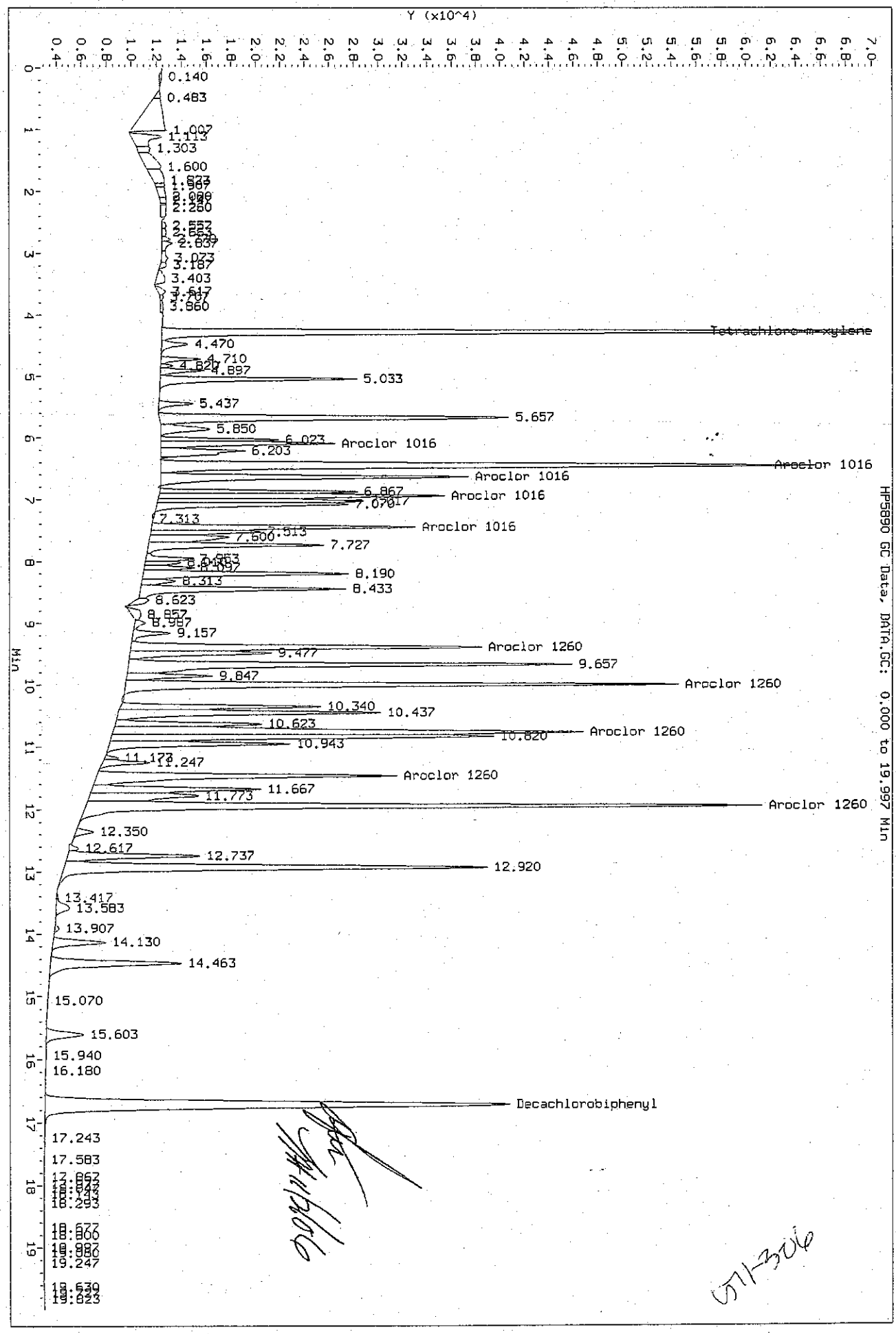
11-3-06

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F047.D
Injection Date: 02-NOV-2006 06:17
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 19.997 Min

Data File: \\Cash3\Acqudata\GC09\data\110106.b\1101F047.D
Injection Date: 02-NOV-2006 06:17
Instrument: GC09.1
Client Sample ID:



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/21/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F014.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	5030	4980	-1	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 15 %	NA
Aroclor 1016 {1}	1000	1100	103	113	10	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	970	495	479	-3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	990	212	210	-1	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	176	181	3	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	147	148	0	NA	± 100 %	AverageRF
Aroclor 1260	1000	950	NA	NA	NA	-5	± 15 %	NA
Aroclor 1260 {1}	1000	910	234	214	-9	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	910	351	319	-9	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	336	336	0	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	960	218	209	-4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	980	447	439	-2	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/21/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R014.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5070	5390	6	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	0	± 15 %	NA
Aroclor 1016 {1}	1000	980	170	167	-2	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	940	348	328	-6	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	980	229	224	-2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	132	137	4	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	148	155	5	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	990	267	263	-1	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	980	305	298	-2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	358	379	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	180	203	12	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	231	244	6	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F014.D
Lab ID: KWG0620056-4
RunType: CCV
Matrix: LIQUID

Date Acquired: 11/21/2006 21:05
Date Quantitated: 11/22/2006 11:35
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/22/06

Secondary Review: AK 11/24/06

Printed: 11/22/2006 14:15:06
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R014.D
Lab ID: KWG0620056-4
RunType: CCV
Matrix: LIQUID

Date Acquired: 11/21/2006 21:05
Date Quantitated: 11/22/2006 11:40
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/22/06

Secondary Review: 11/24/06

Printed: 11/22/2006 14:15:09
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/21/2006

Analysis Lot:	KWG0620056	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F014.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R014.D			**Vial:**	96
Acqu Date:	11/21/2006 21:05	**Quant Date:**	11/22/2006 11:35	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0620056-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.26	4.94	527596m	593429m	107.64	102.17			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	16.70	18.18	498223	539016	99.01	106.34			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	1,018	999.29			
Aroclor 1016 {1}	6.08	6.08	112809m	166875m	1,095	980.90			
Aroclor 1016 {2}	6.44	7.06	479045m	327621m	967.40	940.43			
Aroclor 1016 {3}	6.62	7.12	210023m	223844m	990.76	978.99			
Aroclor 1016 {4}	6.93	7.52	181261m	137477m	1,031	1,043			
Aroclor 1016 {5}	7.44	7.62	147551m	155485m	1,004	1,053			
Aroclor 1260			0	0	952.05	1,041			
Aroclor 1260 {1}	9.38	10.25	214099m	263041m	913.12	986.75			
Aroclor 1260 {2}	9.98	10.78	318703m	297691m	908.60	976.00			
Aroclor 1260 {3}	10.75	11.38	335983m	379168m	999.51	1,058			
Aroclor 1260 {4}	11.45	11.57	208609m	202705m	958.38	1,124			
Aroclor 1260 {5}	11.93	12.08	438639m	244406m	980.65	1,060			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL5763
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F014.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					1,018	1,000	1.8
Aroclor 1260		MS	NA	15					952.1	1,000	-4.8
Tetrachloro-m-xylene		SURR	AverageRF	15		4.9E+3	5.3E+3	7.6			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.0E+2	1.1E+2	9.5			
Aroclor 1016 {2}		MULTI	AverageRF	100		5.0E+2	4.8E+2	-3.3			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.1E+2	2.1E+2	-0.9			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.8E+2	1.8E+2	3.1			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.5E+2	1.5E+2	0.4			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.3E+2	2.1E+2	-8.7			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.5E+2	3.2E+2	-9.1			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.4E+2	3.4E+2	0.0			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.2E+2	2.1E+2	-4.2			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.5E+2	4.4E+2	-1.9			
Decachlorobiphenyl		SURR	AverageRF	15		5.0E+3	5.0E+3	-1.0			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	4.1

Calibration Verification Report

Calibration ID: CAL5763
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R014.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					999.3	1,000	-0.1
Aroclor 1260		MS	NA	15					1,041	1,000	4.1
Tetrachloro-m-xylene		SURR	AverageRF	15		5.8E+3	5.9E+3	2.2			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.7E+2	1.7E+2	-1.9			
Aroclor 1016 {2}		MULTI	AverageRF	100		3.5E+2	3.3E+2	-6.0			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.3E+2	2.2E+2	-2.1			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.3E+2	1.4E+2	4.3			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.5E+2	1.6E+2	5.3			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.7E+2	2.6E+2	-1.3			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.1E+2	3.0E+2	-2.4			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.6E+2	3.8E+2	5.8			
Aroclor 1260 {4}		MULTI	AverageRF	100		1.8E+2	2.0E+2	12.4			
Aroclor 1260 {5}		MULTI	AverageRF	100		2.3E+2	2.4E+2	6.0			
Decachlorobiphenyl		SURR	AverageRF	15		5.1E+3	5.4E+3	6.3			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	4.7

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F014.D
Report Date: 22-Nov-2006 11:35

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F014.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R014.D
Inj Date : 21-NOV-2006 21:05
Sample Info: 1660 @ 1000ppb | PCB4-80H | KWG0620056-4
Misc Info : SEMIVOA GC\W0620056\4-CCV.H
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

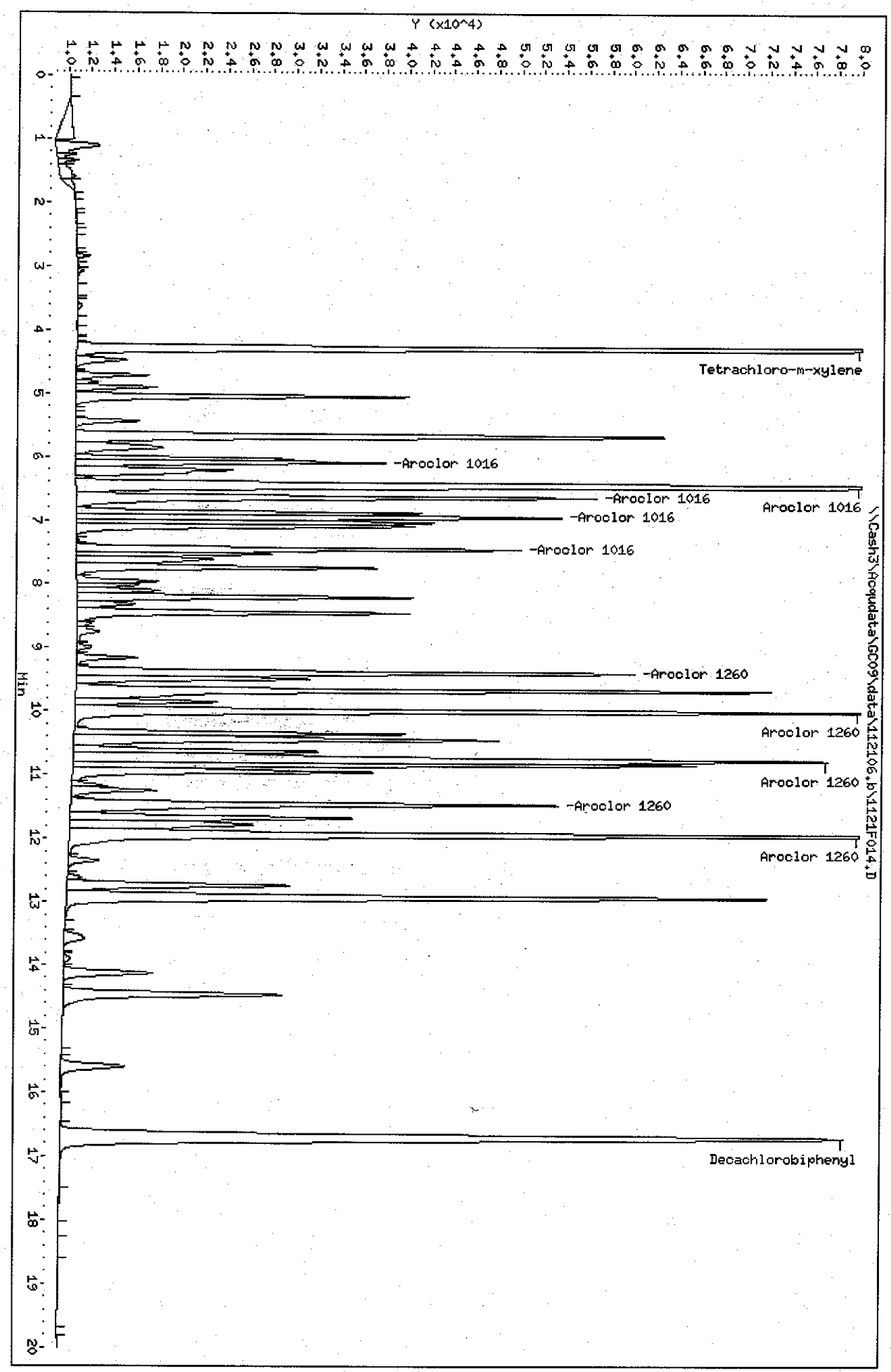
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	527596	593429	108	102		100.00(M)
Aroclor 1016	6.083	6.080	112809	166875	1100	981	80.00- 120.00	100.00(M)
	6.443	7.060	479045	327621	967	940	339.32- 508.98	424.65(M)
	6.623	7.117	210023	223844	991	979	148.90- 223.36	186.18(M)
	6.933	7.520	181261	137477	1030	1040	129.28- 193.92	160.68(M)
	7.437	7.623	147551	155485	1000	1050	106.78- 160.17	130.80(M)
		Average of Peak Amounts =			1020	998		
Aroclor 1260	9.377	10.247	214099	263041	913	987	80.00- 120.00	100.00(M)
	9.980	10.777	318703	297691	908	976	119.45- 179.17	148.86(M)
	10.750	11.380	335983	379168	1000	1060	122.03- 183.05	156.93(M)
	11.453	11.567	208609	202705	958	1120	77.12- 115.68	97.44(M)
	11.930	12.080	438639	244406	981	1060	160.61- 240.92	204.88(M)
		Average of Peak Amounts =			952	1040		
Decachlorobiphenyl	16.703	18.183	498223	539016	99.0	106		100.00

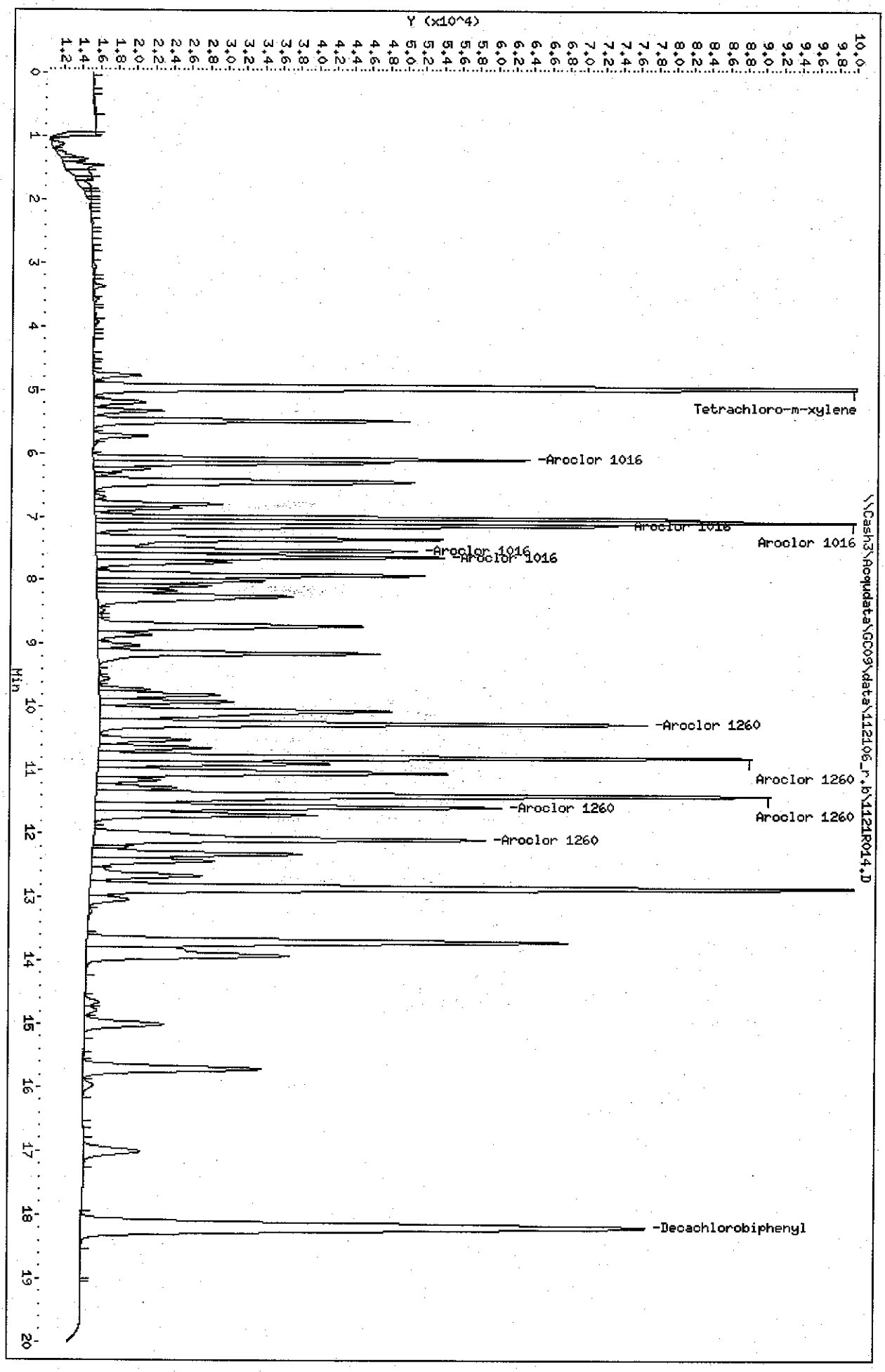
QC Flag Legend

M - Compound response manually integrated.

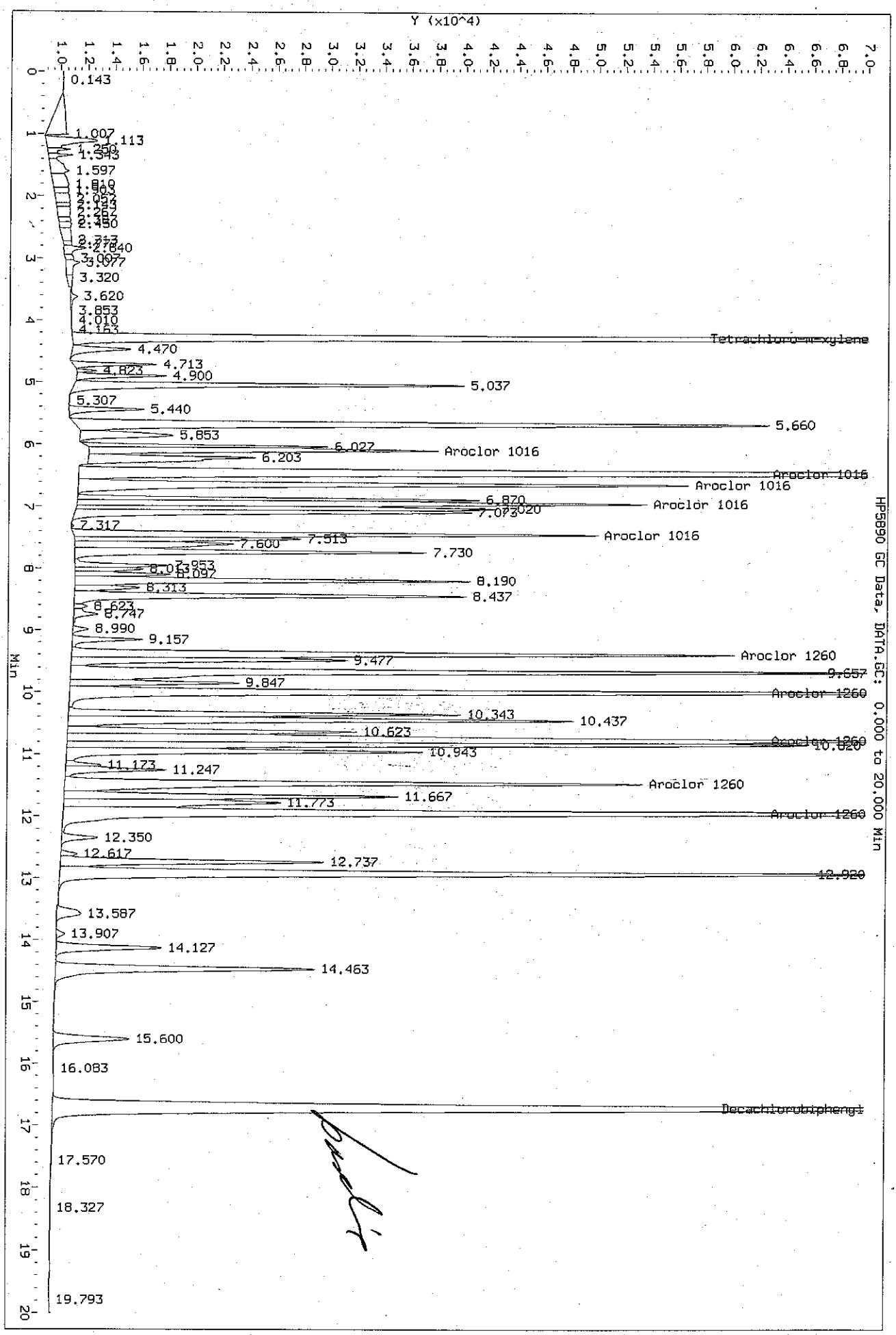
Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F014.D
Date : 21-NOV-2006 21:05
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80H | KWG0620056-4
Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53

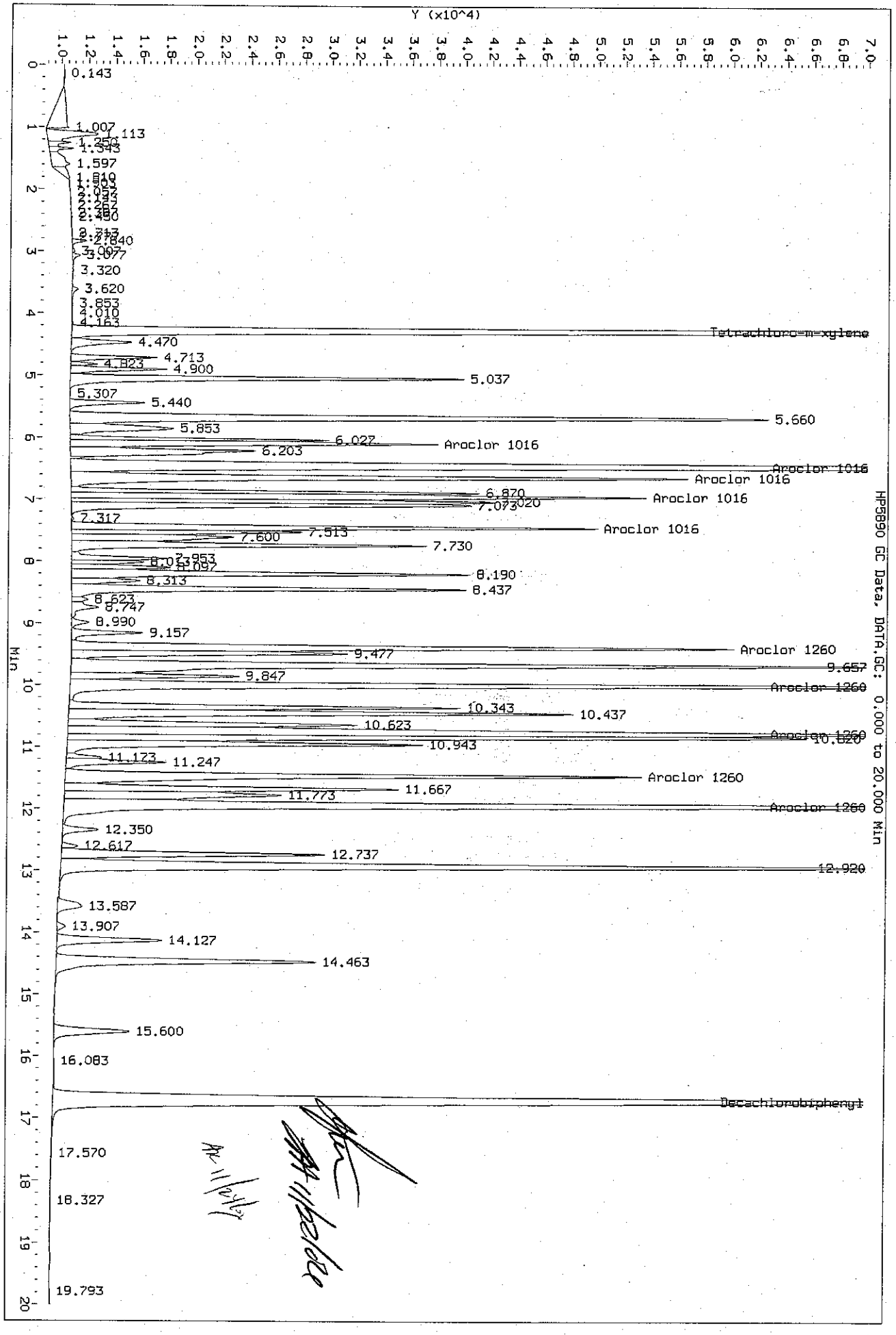


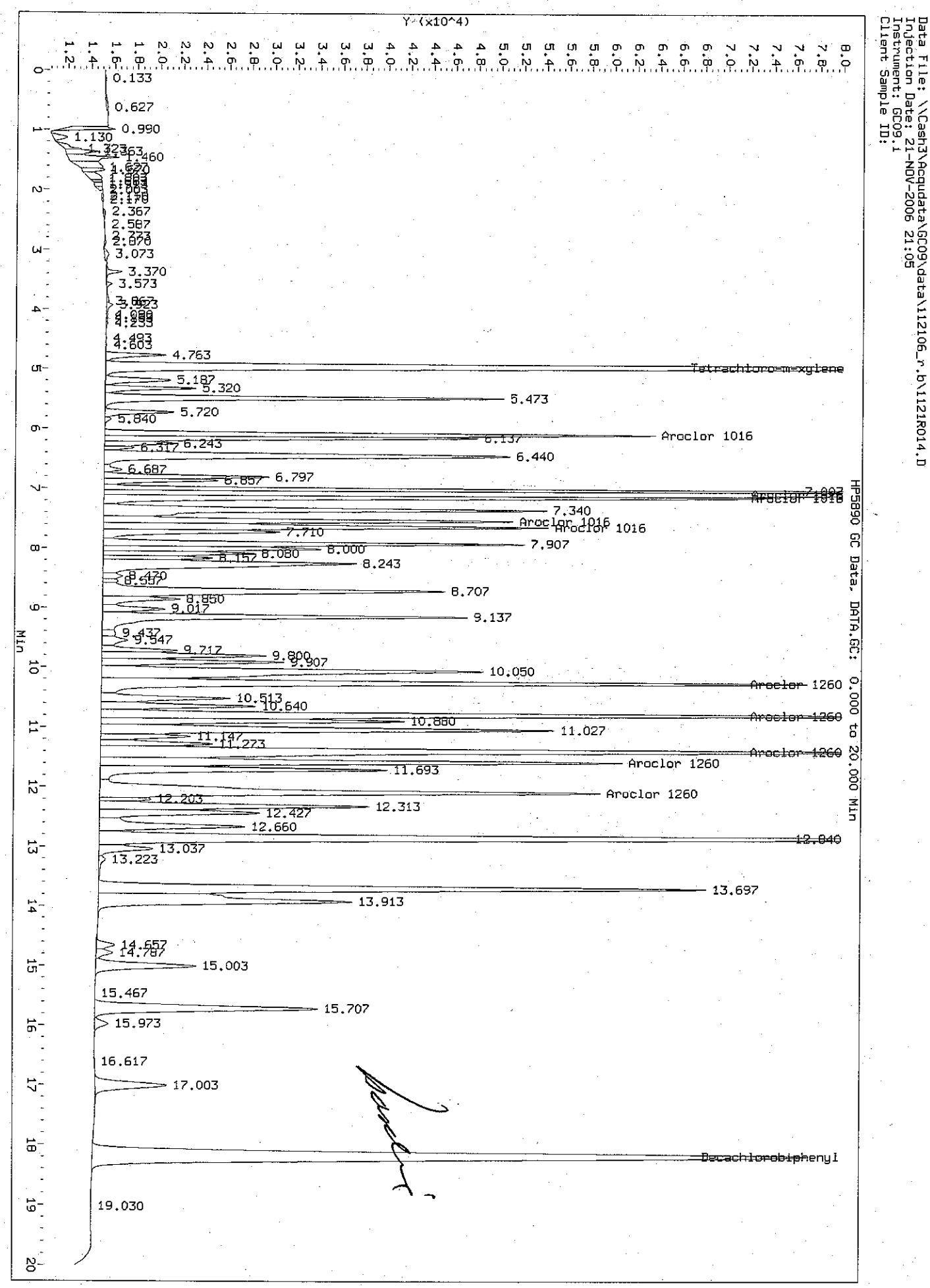

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R014.D
Date : 21-NOV-2006 21:05
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-8OH | KWG0620056-4
Column phase: DB-XLB
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
-Aroclor 1016
Aroclor 1016
-Aroclor 1016
-Aroclor 1016
-Aroclor 1016
-Aroclor 1260
Aroclor 1260
-Aroclor 1260
Aroclor 1260
-Aroclor 1260
-Decachlorobiphenyl
\\Cash3\Acqudata\GC09\data\112106_r.b\1121R014.D

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F014.D
Injection Date: 21-NOV-2006 21:05
Instrument: GC09.i
Client Sample ID:

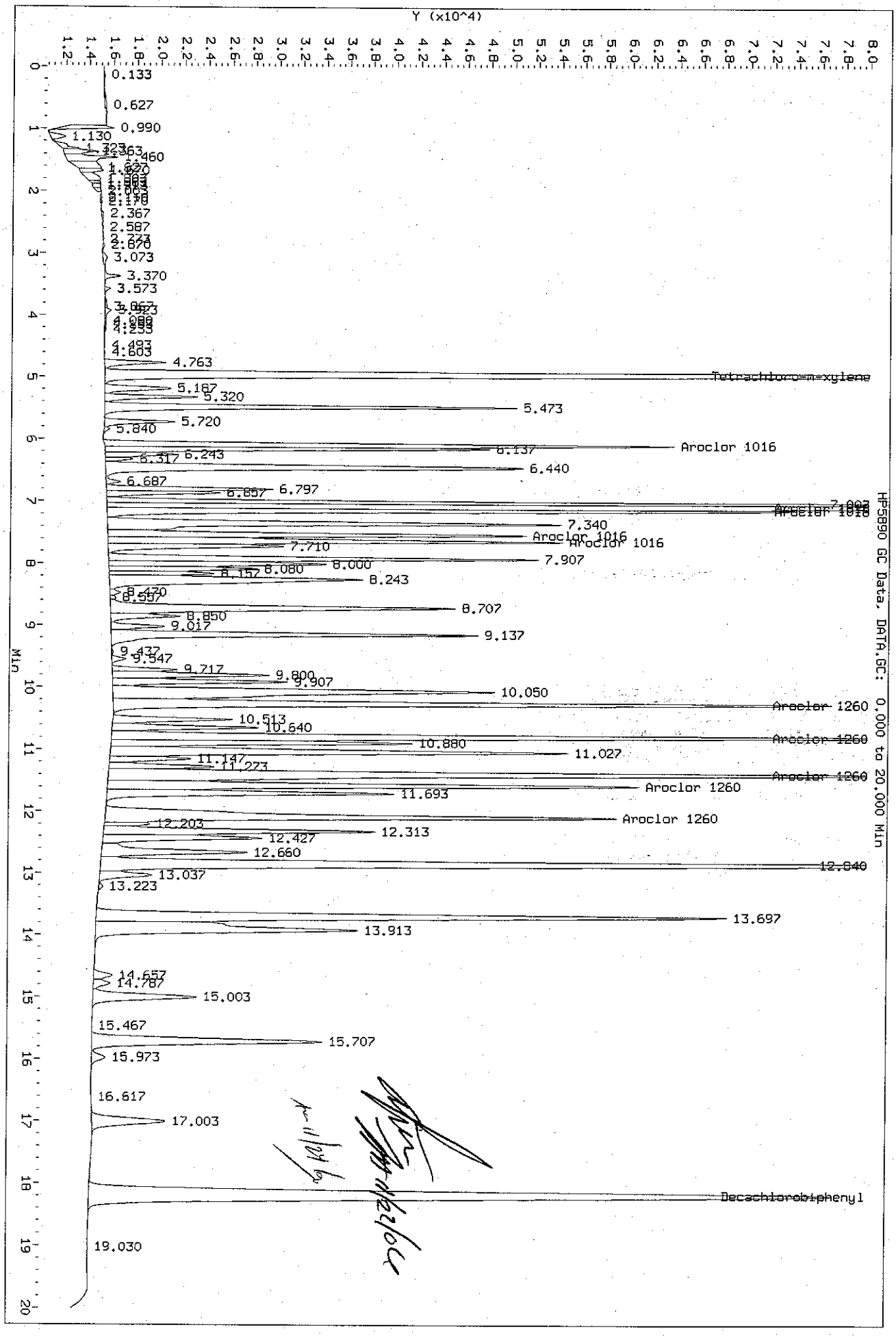


Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F014.D
Injection Date: 21-NOV-2006 21:05
Instrument: GC09.1
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R014.D
Injection Date: 21-NOV-2006 21:05
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data. DATA.GC: 0.000 to 20.000 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Decachlorobiphenyl

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R014.D
Injection Date: 21-NOV-2006 21:05
Instrument: GC09.i
Client Sample ID:



COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/22/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F025.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5030	5380	7	NA	± 15 %	AverageRF
Aroclor 1016	1000	1100	NA	NA	NA	6	± 15 %	NA
Aroclor 1016 {1}	1000	1100	103	117	14	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	495	497	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1000	212	218	3	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	176	189	8	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	147	156	6	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	3	± 15 %	NA
Aroclor 1260 {1}	1000	1000	234	234	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	351	350	0	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	336	358	6	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1000	218	226	4	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	447	471	5	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine

Service Request: K0608915
Date Analyzed: 11/22/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration Date: 11/01/2006
Calibration ID: CAL5763
Analysis Lot: KWG0620056
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R025.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5070	5660	12	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	3	± 15 %	NA
Aroclor 1016 {1}	1000	1000	170	174	2	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	348	350	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	980	229	225	-2	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	132	141	7	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1100	148	160	8	NA	± 100 %	AverageRF
Aroclor 1260	1000	1100	NA	NA	NA	9	± 15 %	NA
Aroclor 1260 {1}	1000	1000	267	277	4	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	305	314	3	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	358	396	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1200	180	214	19	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	231	256	11	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F025.D
Lab ID: KWG0620056-6
RunType: CCV
Matrix: LIQUID

Date Acquired: 11/22/2006 04:16
Date Quantitated: 11/22/2006 11:37
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/27/06

Secondary Review: AC 11/27/06

Printed: 11/22/2006 14:16:52
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R025.D
Lab ID: KWG0620056-6
RunType: CCV
Matrix: LIQUID

Date Acquired: 11/22/2006 04:16
Date Quantitated: 11/22/2006 11:41
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/22/06

Secondary Review: 11/27/06

Printed: 11/22/2006 14:16:55
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/21/2006

Analysis Lot:	KWG0620056	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F025.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R025.D			**Vial:**	96
Acqu Date:	11/22/2006 04:16	**Quant Date:**	11/22/2006 11:37	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0620056-6				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.26	4.94	533923m	605740m	108.94	104.29			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	16.70	18.18	537773	565777	106.87	111.62			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	1,063	1,033			
Aroclor 1016 {1}	6.08	6.08	117236m	173567m	1,138	1,020			
Aroclor 1016 {2}	6.44	7.06	497259m	349753m	1,004	1,004			
Aroclor 1016 {3}	6.62	7.12	218213m	224578m	1,029	982.20			
Aroclor 1016 {4}	6.93	7.52	189450m	141298m	1,077	1,072			
Aroclor 1016 {5}	7.44	7.62	156485m	160119m	1,065	1,085			
Aroclor 1260			0	0	1,030	1,094			
Aroclor 1260 {1}	9.37	10.25	234402	276886m	999.70	1,039			
Aroclor 1260 {2}	9.98	10.77	349986	313817m	997.78	1,029			
Aroclor 1260 {3}	10.75	11.38	357561	396157m	1,064	1,106			
Aroclor 1260 {4}	11.45	11.57	225963	214055m	1,038	1,187			
Aroclor 1260 {5}	11.93	12.08	470605	256128m	1,052	1,111			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL5763
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F025.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					1,063	1,000	6.3
Aroclor 1260		MS	NA	15					1,030	1,000	3.0
Tetrachloro-m-xylene		SURR	AverageRF	15		4.9E+3	5.3E+3	8.9			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.0E+2	1.2E+2	13.8			
Aroclor 1016 {2}		MULTI	AverageRF	100		5.0E+2	5.0E+2	0.4			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.1E+2	2.2E+2	2.9			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.8E+2	1.9E+2	7.7			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.5E+2	1.6E+2	6.5			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.3E+2	2.3E+2	0.0			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.5E+2	3.5E+2	-0.2			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.4E+2	3.6E+2	6.4			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.2E+2	2.3E+2	3.8			
Aroclor 1260 {5}		MULTI	AverageRF	100		4.5E+2	4.7E+2	5.2			
Decachlorobiphenyl		SURR	AverageRF	15		5.0E+3	5.4E+3	6.9			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	5.2

Calibration Verification Report

Calibration ID: CAL5763
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R025.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					1,033	1,000	3.3
Aroclor 1260		MS	NA	15					1,094	1,000	9.4
Tetrachloro-m-xylene		SURR	AverageRF	15		5.8E+3	6.1E+3	4.3			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.7E+2	1.7E+2	2.0			
Aroclor 1016 {2}		MULTI	AverageRF	100		3.5E+2	3.5E+2	0.4			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.3E+2	2.2E+2	-1.8			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.3E+2	1.4E+2	7.2			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.5E+2	1.6E+2	8.5			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.7E+2	2.8E+2	3.9			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.1E+2	3.1E+2	2.9			
Aroclor 1260 {3}		MULTI	AverageRF	100		3.6E+2	4.0E+2	10.6			
Aroclor 1260 {4}		MULTI	AverageRF	100		1.8E+2	2.1E+2	18.7			
Aroclor 1260 {5}		MULTI	AverageRF	100		2.3E+2	2.6E+2	11.1			
Decachlorobiphenyl		SURR	AverageRF	15		5.1E+3	5.7E+3	11.6			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	6.9

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F025.D
Report Date: 22-Nov-2006 11:37

Laboratory Name

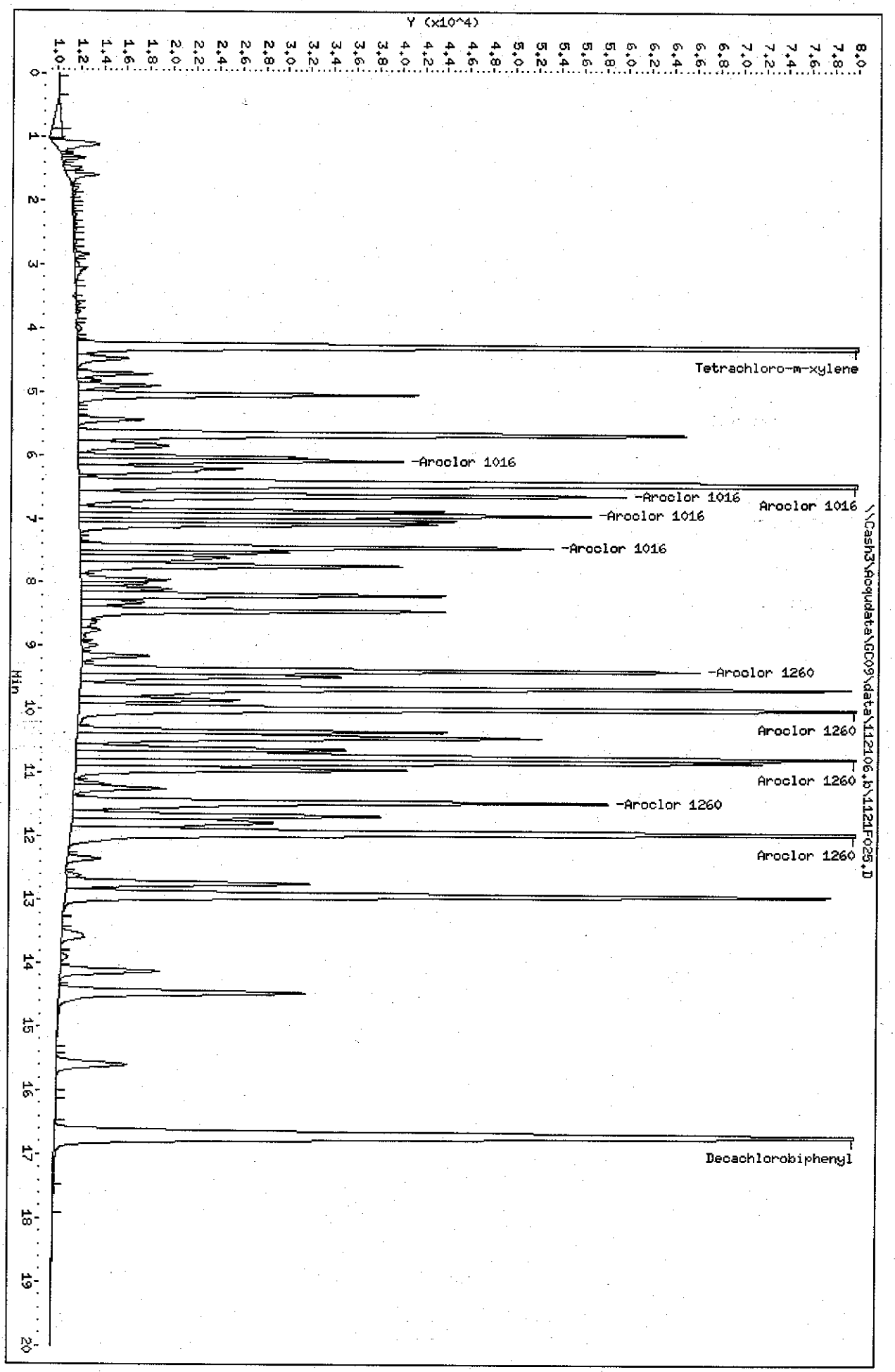
Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F025.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R025.D
Inj Date : 22-NOV-2006 04:16
Sample Info: 1660 @ 1000ppb | PCB4-80H | KWG0620056-6
Misc Info : SEMIVOA GC\W0620056\6-CCV.H
Cal Date : 22-NOV-2006 09:28
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.260	4.940	533923	605740	109	104		100.00(M)
Aroclor 1016	6.083	6.077	117236	173567	1140	1020	80.00- 120.00	100.00(M)
	6.443	7.060	497259	349753	1000	1000	339.32- 508.98	424.15(M)
	6.623	7.117	218213	224578	1030	982	148.90- 223.36	186.13(M)
	6.933	7.520	189450	141298	1080	1070	129.28- 193.92	161.60(M)
	7.437	7.620	156485	160119	1060	1080	106.78- 160.17	133.48(M)
		Average of Peak Amounts =			1060	1030		
Aroclor 1260	9.373	10.247	234402	276886	1000	1040	80.00- 120.00	100.00
	9.980	10.773	349986	313817	998	1030	119.45- 179.17	149.31
	10.750	11.377	357561	396157	1060	1100	122.03- 183.05	152.54
	11.453	11.567	225963	214055	1040	1190	77.12- 115.68	96.40
	11.930	12.080	470605	256128	1050	1110	160.61- 240.92	200.77
		Average of Peak Amounts =			1030	1090		
Decachlorobiphenyl	16.700	18.180	537773	565777	107	112		100.00

QC Flag Legend

M - Compound response manually integrated.


Data File: \\Cash3\Acqudata\GC09\data\112106,b\1121F025.D
Date : 22-NOV-2006 04:16
Client ID:
Sample Info: 1660 @ 1000ppb I PCB4-80H I KWG0620056-6
Column phase: DB-35MS
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
-Aroclor 1016
Aroclor 1016
-Aroclor 1016
-Aroclor 1016
-Aroclor 1016
-Aroclor 1260
Aroclor 1260
Aroclor 1260
-Aroclor 1260
Aroclor 1260
Decachlorobiphenyl
\\Cash3\Acqudata\GC09\data\112106,b\1121F025.D

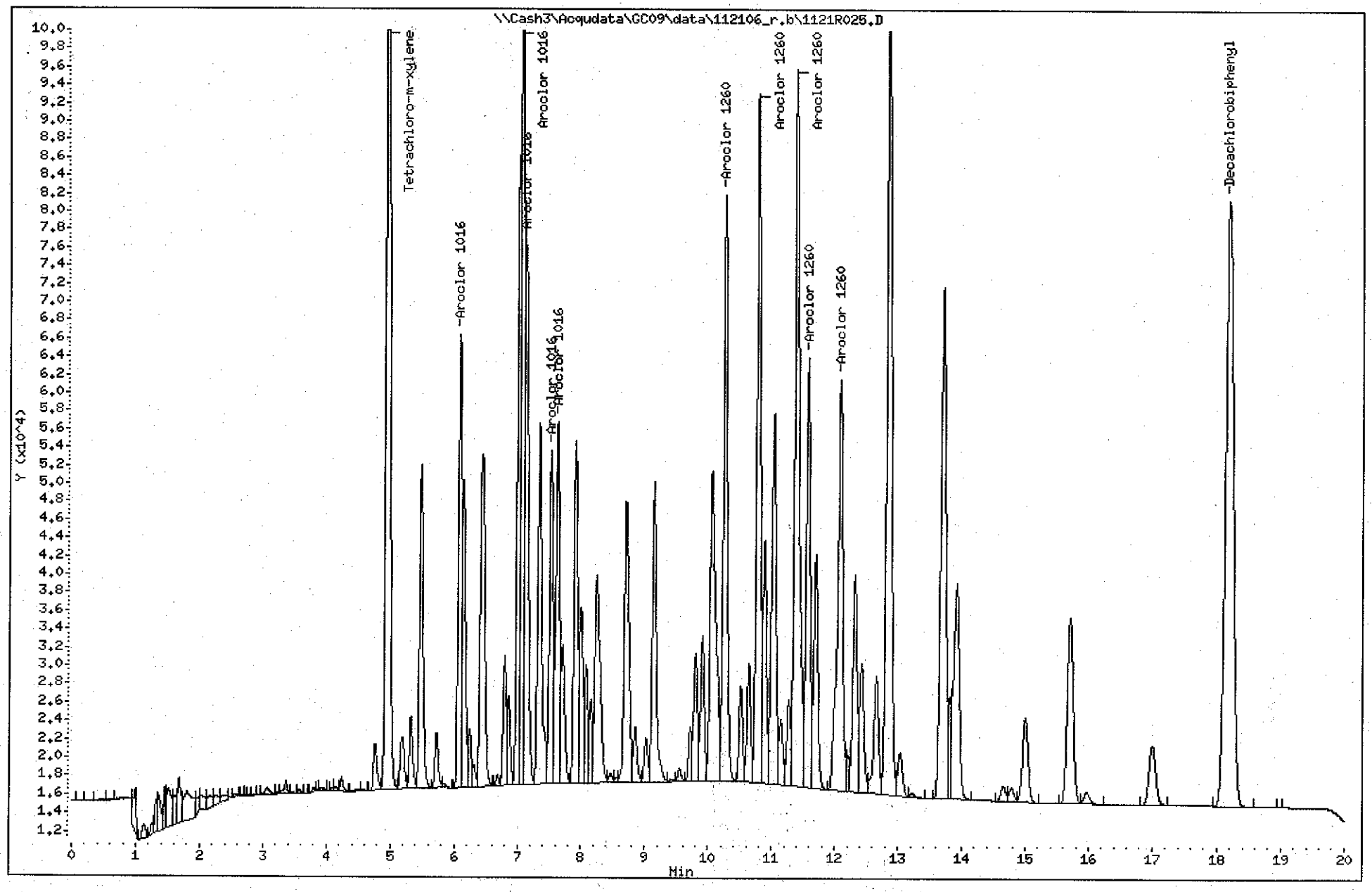
Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R025.D
Date : 22-NOV-2006 04:16
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80H | KWG0620056-6

Instrument: GC09.i

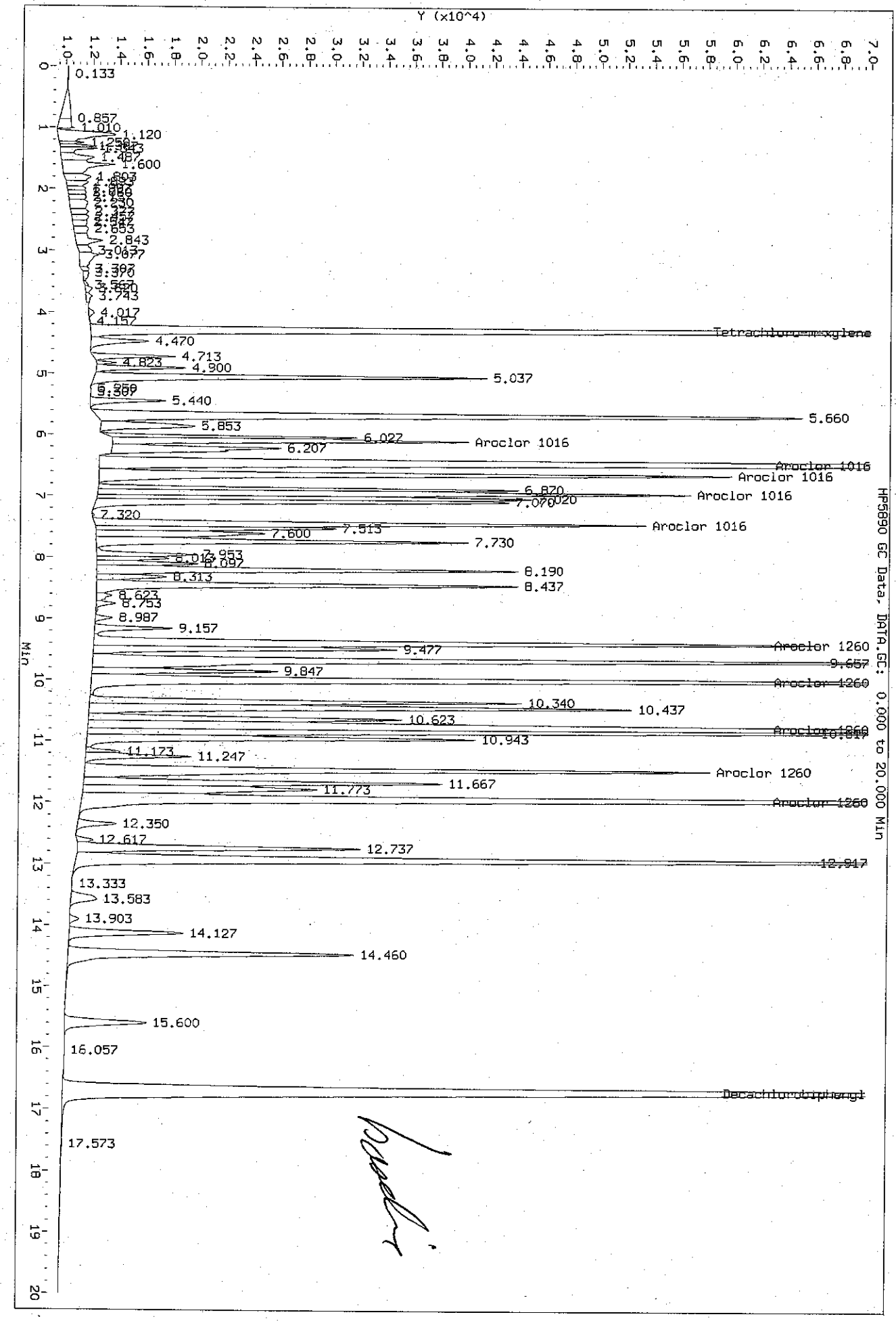
Operator: LHarris

Column phase: DB-XLB

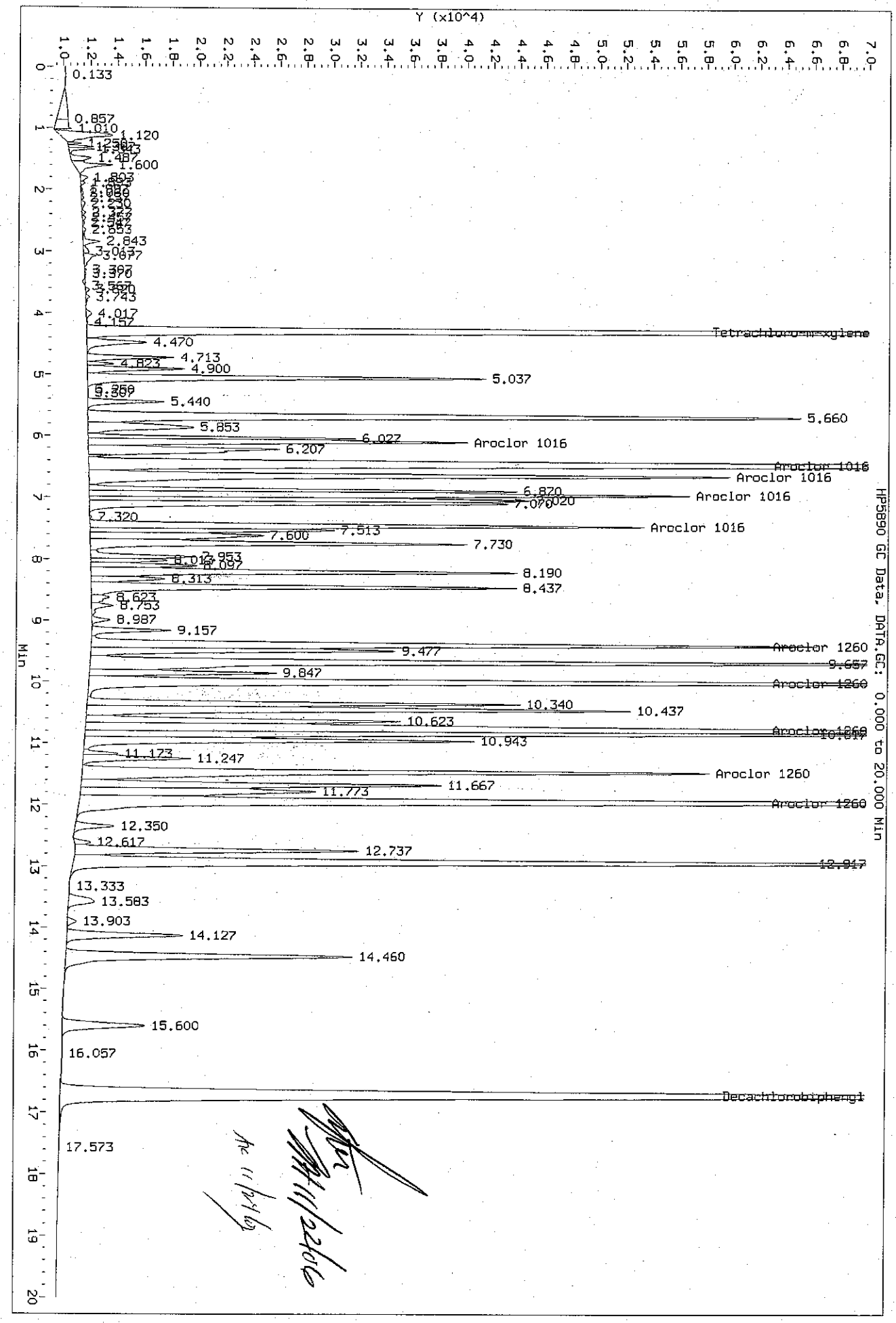
Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F025.D
Injection Date: 22-NOV-2006 04:16
Instrument: GC09.1
Client Sample ID:

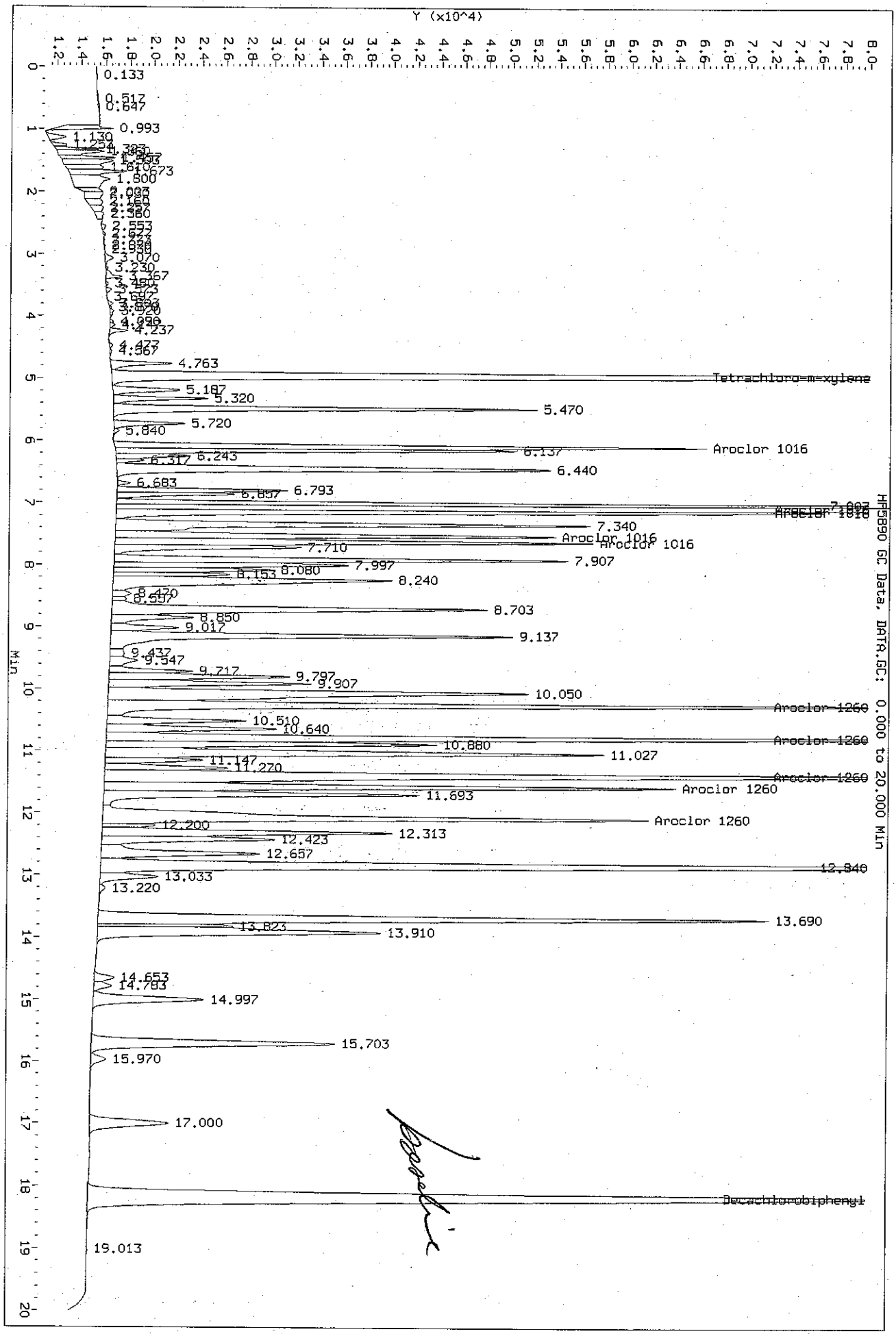


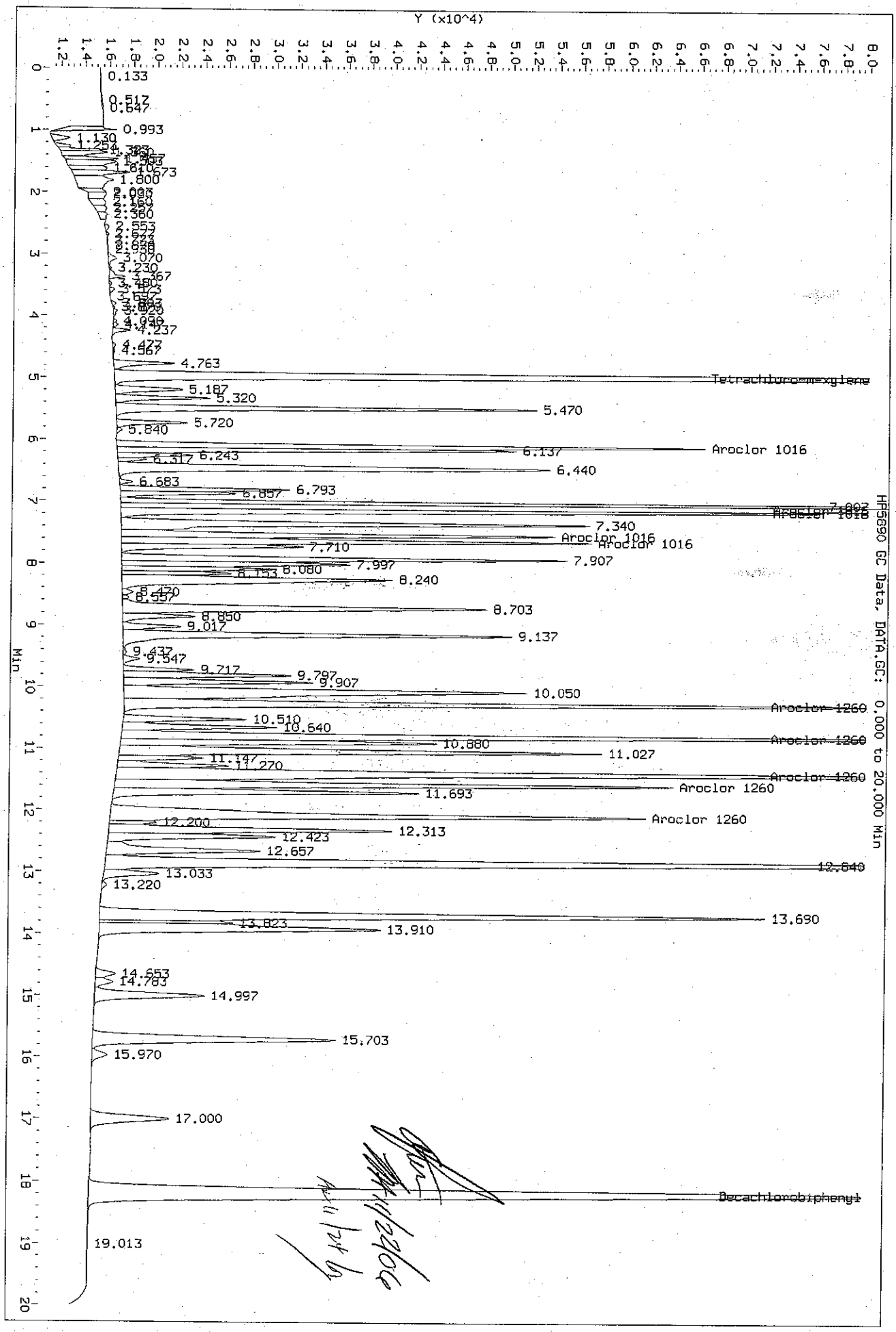
Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F025.D
Injection Date: 22-NOV-2006 04:16
Instrument: GC09.i
Client Sample ID:



11/22/06

Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R025.D
Injection Date: 22-NOV-2006 04:16
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R025.D
Injection Date: 22-NOV-2006 04:16
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 20.000 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Decachlorobiphenyl

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Sample Prep and Screen Data

Preparation Information

Group ID:	KWG0619267	**Prep Method:**	EPA 3540C	**Prep Date:**	11/10/06 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K0608915-001	SCTISS29	8082 PCB	ANIMAL T	10.00g	2ml	
K0608915-002	SCTIBC32a	8082 PCB	ANIMAL T	10.03g	2ml	
K0608915-005	SCTIBC34	8082 PCB	ANIMAL T	10.02g	2ml	
K0608915-007	SCTIBC36	8082 PCB	ANIMAL T	10.01g	2ml	
KWG0619267-1	Matrix Spike	8082 PCB	ANIMAL T	10.03g	2ml	
KWG0619267-2	Duplicate Matrix Spike	8082 PCB	ANIMAL T	10.04g	2ml	
KWG0619267-3	Lab Control Sample	8082 PCB	ANIMAL T	10.02g	2ml	
KWG0619267-4	Method Blank	8082 PCB	ANIMAL T	10.04g	2ml	

Lab Code	Parent Lab Code	Comments
KWG0619267-1	K0608915-002	
KWG0619267-2	K0608915-002	

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K0608915-001	548424	GCPS5-82-C	100uL			MBlack
K0608915-002	548425	GCPS5-82-C	100uL			MBlack
K0608915-005	548426	GCPS5-82-C	100uL			MBlack
K0608915-007	548427	GCPS5-82-C	100uL			MBlack
KWG0619267-1	548428	GCPS5-82-C	100uL	PCB4-79-C	50uL	MBlack
KWG0619267-2	548429	GCPS5-82-C	100uL	PCB4-79-C	50uL	MBlack
KWG0619267-3	548430	GCPS5-82-C	100uL	PCB4-79-C	50uL	MBlack
KWG0619267-4	548431	GCPS5-82-C	100uL			MBlack

Comments:

Started By: ABradbur Assisted By: Training Yes No

Completed By: KMiller Assisted By: Yes No

Reviewed By: Date: Storage:

Chain of Custody

Relinquished By: Date: 11-20-6

Received By: Date: 11/21/06

Extracts Examined Yes No

Preparation Information

Group ID: KWG0619267 **Prep Method:** EPA 3540C **Prep Date:** 11/10/06 00:00
Department: Semivoa GC

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext.	pH	Int. Vol.	Final Vol.	Surr. Added	Spike Added
1	K0608915-001	SCTISS29		✓	8082 PCB	ANIMAL TISSUE	10.00	NA	10ml	2ml	100ul	—
2	K0608915-002	SCTIBC32a		✓	8082 PCB	ANIMAL TISSUE	10.03					—
3	K0608915-005	SCTIBC34		✓	8082 PCB	ANIMAL TISSUE	10.02					—
4	K0608915-007	SCTIBC36		✓	8082 PCB	ANIMAL TISSUE	10.01					—
5	KWG0619267-1	Matrix Spike 2 MS			8082 PCB	ANIMAL TISSUE	10.03					50uL
6	KWG0619267-2	Duplicate Matrix Spike 2 DMS			8082 PCB	ANIMAL TISSUE	10.04					
7	KWG0619267-3	Lab Control Sample			8082 PCB	ANIMAL TISSUE	10.02					
8	KWG0619267-4	Method Blank			8082 PCB	ANIMAL TISSUE	10.04					—

Comments: Prep Run # 40656

Surrogate ID: GCPS5-82-C, 2 PPM, 100 ul, Exp. 5-10-07, Epp. 8C AB 11/10/06
Spike ID: PCB4-79-C, 40 PPM, 50 ul, Exp. 3-29-07, Epp. "Little Dipper"
Witness: Matt Rbe 11/10/06

Started By: ABradbur Assisted By:
Completed By: Kn Assisted By:

ABC GPC BENCHSHEET

Analyst: km

Matrix: Tissue / Reg. Soil / Low Level Soil / Water / Oil

Date: 11-17-06

Work Order: K8915

A. GPC Calibrated on this date: 11-17-06

B. (1) Intermediate Volume before GPC: 10 (ml)

(2) Aliquot taken from intermediate volume: 8 (ml)

(3) Aliquot diluted up to..... 8 (ml)

(4) Volume injected onto column: 5 (ml)

(5) GPC'd Extract brought to the Final Volume of 1 (ml)

(6) Calculate the True Final Volume 2 (ml) $\frac{(1) \times (3)}{(2) \times (4)} \times (5) = (6)$

C. Does a split for PCB's or PAH's need to be done? YES NO

Checklist for the GPC Run:

____ 1. Is the column reservoir full?
____ 2. Is the rinse reservoir full?
____ 3. Is the waste bottle empty?
____ 4. Did you check the flow rate?
____ 5. Is there a collection vessel for each extract tube?
____ 6. Do the extract tube labels correspond to the collection vessel labels?
____ 7. Are the extracts diluted properly, if needed?
____ 8. Are all extracts filtered? (They **MUST** be)
____ 9. Did you record where you put the remaining extract?
____ 10. Is the correct method/collection window programmed?
____ 11. Is the By-pass valve set to **In-line**?
____ 12. Is the run log filled out?
____ 13. Is sample load time set correctly for extract with lowest volume? **(VERY IMPORTANT)**
____ 14. Is the nitrogen tank valve open?
____ 15. Is there enough nitrogen (at least 500lb/23 extracts)?
____ 16. Did you double check your GPC setup?

Operator date and initial km 11-17-06

Additional Prep Information For PCB Tissues

Service Request # K0608915 Work Group # PCB: KW60619267

Solvents/Reagents used:

DCM Lot # 46210 Hexane Lot # 46139 Sulfate Lot # 46016635

Florisil Lot # SP3471

Soxhlet Start (Time/Date/Initial): 17:30 / 11-10-06 / AB

Soxhlet Stop (Time/Date/Initial): 1000 11/11/06 MT

Solvent Exchanged To Hexane (Date/Initial) ☑ yes: 11-20-06 Km S-Evap Temp: 74°C

Cleanups:

GPC Clean-up (3640): 11-17-06 Km (all samples)

Florisil Clean-up (3620): 11-20-06 Km (all samples)

Sulfuric Acid Clean-up (3665): 11-20-06 Km (all samples)

Clean-up #4: — ☐ all samples ☐ some samples:

Clean-up #5: — ☐ all samples ☐ some samples:

PCB Vial: Green Vial Storage: Goofy E1-8

Archived Extract Storage: NA

Comments/Observations: All need 2 mL TFV

Bench Sheet Review Check List
☐ Hold Times Met (if no, Reason:)
☐ Prep date, dept, method, product code correct in stealth
☐ Spike Information correct
☐ Weights/Volumes and units correct on raw and final bench sheets
☐ Sample IDs have been checked—Bottle numbers appended if required
☐ Names present for: Started by, Completed by, relinquished by, and witnessed by.
☐ Training has been circled
☐ Extract Storage recorded
☐ Additional Prep Sheet completely filled out (NA or line out Blanks)
☐ All clean-ups have been noted on additional prep sheet
☐ Signed service request with Form V, if applicable, has been attached

Sequence Name: D:\GC09\SEQUENCE\112106.S
Comment:
Operator: LHarris
Data Path: D:\GC09\DATA\112106.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

ICAL 5763

Run # 71940

	Line	Type	Vial	DataFile	Method	Sample Name
	1	DeleteGC				
	2	MaskName -	----r---			
	3	IB	1	1121F001	PCB1	IB
	4	IB	1	1121F002	PCB1	IB
	5	IB	2	1121F003	PCB1	KWG0620056-1 | IB | 8082 PCB
OK,OK	6	CCV	96	1121F004	PCB1	1660 @ 1000ppb | PCB4-80H | KWG062005
	7	MB	3	1121F005	PCB1	KWG0618183-4 | MB | 8082 PCB_CONGENER
	8	SMPL	4	1121F006	PCB1	K0608639-002 | PFB-2 @10X
	9	SMPL	5	1121F007	PCB1	K0608639-005 | MC-1A @10X
	10	SMPL	6	1121F008	PCB1	K0609093-003 @10X
	11	Pause				
	12	SMPL	7	1121F009	PCB1	K0609093-004 @10X
	13	SMPL	8	1121F010	PCB1	K0609093-005 @10X
	14	SMPL	9	1121F011	PCB1	K0609094-010 @10X
	15	SMPL	90	1121FA11	PCB1	K0609094-011 @10X
	16	IB	1	1121F012	BAKE	BAKE
	17	IB	2	1121F013	PCB1	KWG0620056-3 | IB | 8082 PCB
OK,OK	18	CCV	96	1121F014	PCB1	1660 @ 1000ppb | PCB4-80H | KWG062005
	19	MB	10	1121F015	PCB1	KWG0619267-4 | MB | 8082 PCB | ANIMAL
	20	LCS	11	1121F016	PCB1	KWG0619267-3 | LCS | 8082 PCB | ANIMA
	21	SMPL	12	1121F017	PCB1	K0608915-001 | SCTISS29
	22	SMPL	13	1121F018	PCB1	K0608915-002 | SCTIBC32a
	23	MS	14	1121F019	PCB1	KWG0619267-1 | K0608915-002MS | 8082
	24	DMS	15	1121F020	PCB1	KWG0619267-2 | K0608915-002DMS | 8082
	25	SMPL	16	1121F021	PCB1	K0608915-005 | SCTIBC34
	26	SMPL	17	1121F022	PCB1	K0608915-007 | SCTIBC36
	27	MB	40	1121FA22	PCB1	KWG0619825-4 | MB | 8082 PCB | SOIL
	28	LCS	41	1121FA23	PCB1	KWG0619825-3 | LCS | 8082 PCB | SOIL
	29	SMPL	42	1121FA24	PCB1	K0609405-001
	30	SMPL	43	1121FA25	PCB1	K0609984-001
	31	MS	44	1121FA26	PCB1	K0609984-001MS
	32	DMS	45	1121FA27	PCB1	K0609984-001DMS
	33	IB	1	1121F023	BAKE	BAKE
	34	IB	2	1121F024	PCB1	KWG0620056-5 | IB | 8082 PCB
OK,OK	35	CCV	96	1121F025	PCB1	1660 @ 1000ppb | PCB4-80H | KWG062005
	36	MB	18	1121F026	PCB1	KWG0619268-4 | MB | 8082 PCB | ANIMAL
	37	LCS	19	1121F027	PCB1	KWG0619268-3 | LCS | 8082 PCB | ANIMA
	38	SMPL	20	1121F028	PCB1	K0609462-001 | 2006-3369COMP2F
	39	SMPL	21	1121F029	PCB1	K0609462-002 | 2006-3369COMP2B
	40	SMPL	22	1121F030	PCB1	K0609462-003 | 2006-3369COMP3F
	41	SMPL	23	1121F031	PCB1	K0609462-004 | 20063369COMP3B
	42	SMPL	24	1121F032	PCB1	K0609462-005 | 2006-3615COMP1F
	43	MS	25	1121F033	PCB1	KWG0619268-1 | K0609462-005MS | 8082

Sequence Name: D:\GC09\SEQUENCE\112106.S

Line	Type	Vial	DataFile	Method	Sample Name
44	DMS	26	1121F034	PCB1	KWG0619268-2 | K0609462-005DMS | 8082
45	SMPL	27	1121F035	PCB1	K0609462-006 | 2006-3615COMP1B
46	SMPL	28	1121F036	PCB1	K0609462-007 | 2006-3365COMP1F
47	SMPL	29	1121F037	PCB1	K0609462-008 | 2006-3365COMP1B
48	IB	1	1121F038	BAKE	BAKE
49	IB	2	1121F039	PCB1	KWG0620056-7 | IB | 8082 PCB
50	CCV	97	1121F040	PCB1	1660 @ 1000ppb | PCB4-80H | KWG062005
51	SMPL	30	1121F041	PCB1	K0609462-009 | 2006-3365COMP2F
52	SMPL	31	1121F042	PCB1	K0609462-010 | 2006-3365COMP2B
53	SMPL	32	1121F043	PCB1	K0609462-011 | 2006-3365IND1F
54	SMPL	33	1121F044	PCB1	K0609462-012 | 2006-3365IND1B
55	SMPL	34	1121F045	PCB1	K0609462-013 | 2006-3624COMP1
56	SMPL	35	1121F046	PCB1	K0609462-014 | 2006-3624COMP2
57	SMPL	36	1121F047	PCB1	K0609462-015 | 2006-3623COMP1
58	SMPL	37	1121F048	PCB1	K0609462-016 | 2006-2109COMP1
59	SMPL	38	1121F049	PCB1	K0609462-017 | 2006-2106COMP1
60	SMPL	39	1121F050	PCB1	K0609462-018 | 2006-2108COMP1
61	IB	1	1121F051	BAKE	BAKE
62	IB	2	1121F052	PCB1	KWG0620056-9 | IB | 8082 PCB
63	CCV	97	1121F053	PCB1	1660 @ 1000ppb | PCB4-80H | KWG062005

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106.B\1121F024.D
Lab ID: KWG0620056-5
RunType: IB
Matrix: LIQUID

Date Acquired: 11/22/2006 03:52
Date Quantitated: 11/22/2006 11:37
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/22/06

Secondary Review: 11/24/06

Printed: 11/22/2006 14:16:46
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\112106_R.B\1121R024.D
Lab ID: KWG0620056-5
RunType: IB
Matrix: LIQUID

Date Acquired: 11/22/2006 03:52
Date Quantitated: 11/22/2006 11:41
Batch ID: KWG0620056
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 11/22/06

Secondary Review: 11/22/06

Printed: 11/22/2006 14:16:49
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	11/21/2006

Analysis Lot:	KWG0620056	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\112106.B\110106_F.M	**Calibration ID:**	CAL5763
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\112106.B\1121F024.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R024.D			**Vial:**	2
Acqu Date:	11/22/2006 03:52	**Quant Date:**	11/22/2006 11:37	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0620056-5				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0d	0d	0.0000	0.0000			
Aroclor 1016 {2}			0d	0d	0.0000	0.0000			
Aroclor 1016 {3}			0d	0d	0.0000	0.0000			
Aroclor 1016 {4}			0d	0d	0.0000	0.0000			
Aroclor 1016 {5}			0d	0d	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0d	0d	0.0000	0.0000			
Aroclor 1221 {2}			0d	0d	0.0000	0.0000			
Aroclor 1221 {3}			0d	0d	0.0000	0.0000			
Aroclor 1221 {4}			0d	0d	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0d	0d	0.0000	0.0000			
Aroclor 1232 {2}			0d	0d	0.0000	0.0000			
Aroclor 1232 {3}			0d	0d	0.0000	0.0000			
Aroclor 1232 {4}			0d	0d	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\112106.B\1121F024.D			**Instrument:**	GC09.i
Data File #2:	\\Cash3\Acqudata\GC09\data\112106_r.b\1121R024.D			**Vial:**	2
Acqu Date:	11/22/2006 03:52	**Quant Date:**	11/22/2006 11:37	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0620056-5				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:**

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000			
Aroclor 1242 {3}			0d	0d	0.0000	0.0000			
Aroclor 1242 {4}			0d	0d	0.0000	0.0000			
Aroclor 1242 {5}			0d	0d	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0d	0	0.0000	0.0000			
Aroclor 1248 {2}			0d	0	0.0000	0.0000			
Aroclor 1248 {3}			0d	0	0.0000	0.0000			
Aroclor 1248 {4}			0d	0	0.0000	0.0000			
Aroclor 1248 {5}			0d	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0d	0	0.0000	0.0000			
Aroclor 1254 {2}			0d	0	0.0000	0.0000			
Aroclor 1254 {3}			0d	0	0.0000	0.0000			
Aroclor 1254 {4}			0d	0	0.0000	0.0000			
Aroclor 1254 {5}			0d	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F024.D
Report Date: 22-Nov-2006 11:37

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\112106.b\1121F024.D
Sample #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\1121R024.D
Inj Date : 22-NOV-2006 03:52
Sample Info: KWG0620056-5 | IB | 8082 PCB
Misc Info : SEMIVOA GC\W0620056\5-IB.H
Cal Date : 22-NOV-2006 09:26
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\112106.b\110106_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\112106_r.b\110106_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

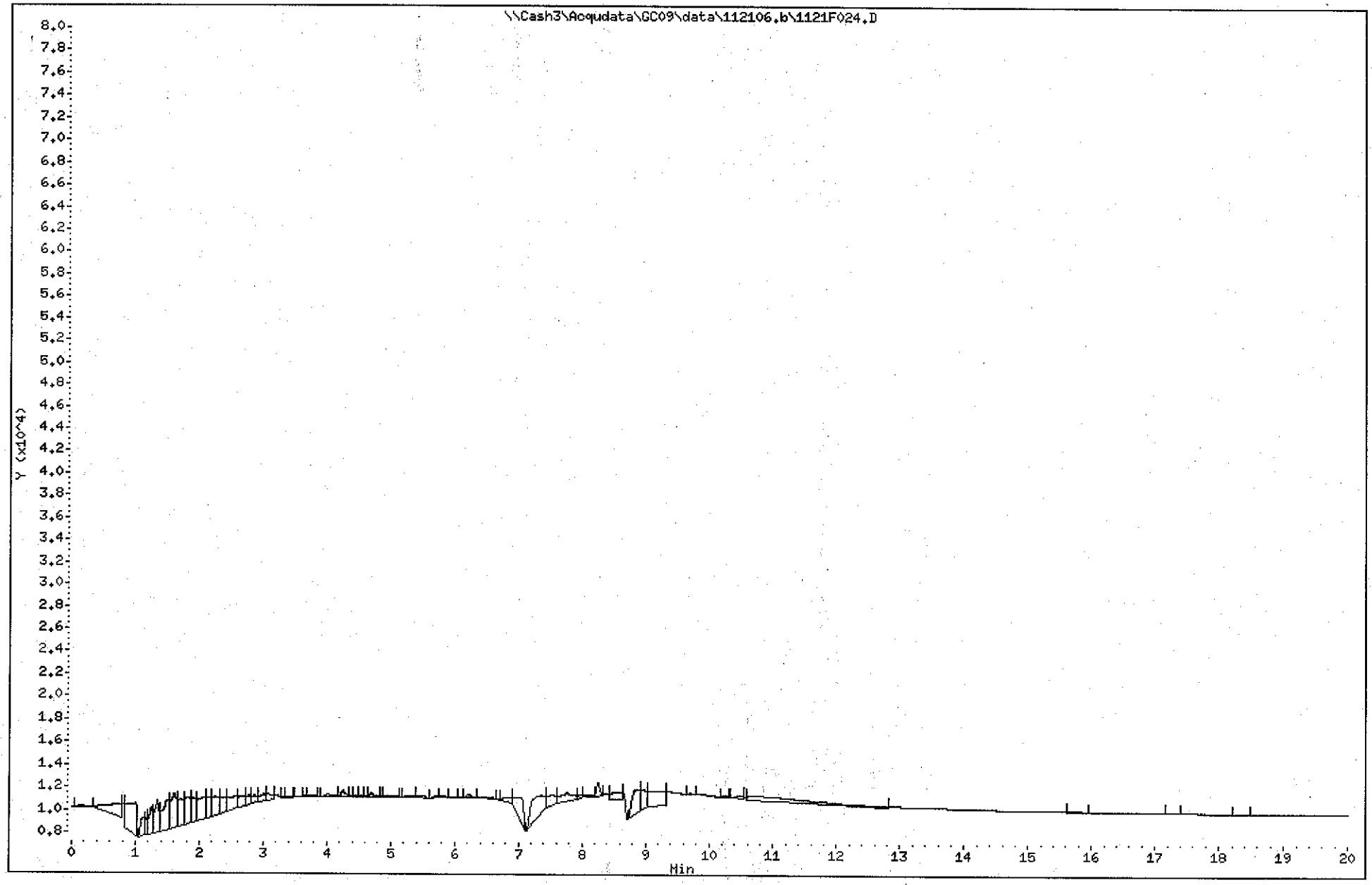
Data File: \\Cash3\Acqudata\GC09\data\112106.b\1121F024.D
Date : 22-NOV-2006 03:52
Client ID:
Sample Info: KWG0620056-5 | IB | 8082 PCB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

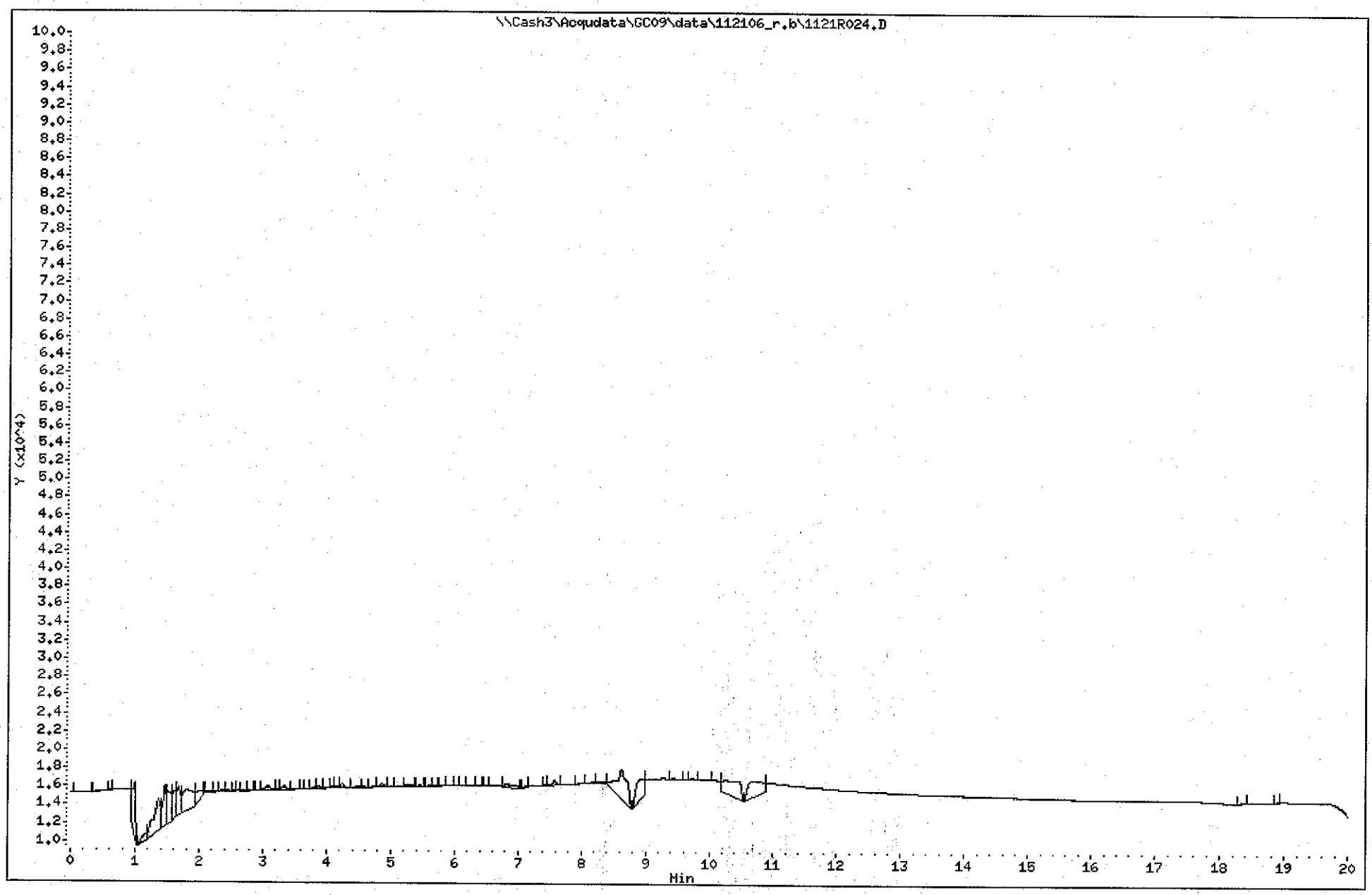


Data File: \\Cash3\Acqudata\GC09\data\112106_r.b\1121R024.D
Date : 22-NOV-2006 03:52
Client ID:
Sample Info: KWG0620056-5 | IB | 8082 PCB

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Arsenic Speciation

BROOKS RAND LLC

For
Columbia Analytical
Arsenic Speciation
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BROOKS RAND LLC

CASE NARRATIVE
For
Columbia Analytical Services
Arsenic Speciation of Clams

BRL Tracking #: 06BR1745 BRL Project #: COL048

All samples were received, stored, prepared and analyzed according to Brooks Rand LLC (BRL) standard operating procedures (SOPs).

Shipping and Receiving
Four animal tissue samples were received by Brooks Rand LLC (BRL) on October 31, 2006 at a temperature of 0.4 °C. The requested analysis for the samples was arsenic speciation, contractually defined as trivalent arsenic [As(III)], inorganic arsenic [(As(In)], with pentavalent arsenic [As(V)] determined by the difference between As(III) and As(In). All samples were stored in a freezer in a locked storage room until further processing.

Holding Time and Preservation
All method holding time and preservation requirements were satisfied.

Homogenization
All samples were homogenized by the client prior to being shipped to BRL.

Inorganic Arsenic by EPA Draft Method 1632 (BRL SOP #BR-0021)
Biota samples are digested with hydrochloric acid (HCl) and heated for sixteen hours. Samples are then analyzed by hydride generation (HG) with sodium borohydride ($NaBH_4$) addition, cryogenic trap pre-collection, hydrogen/air flame quartz furnace decomposition, and detection by atomic absorption spectroscopy (AAS). All sample results for As(In) analysis are blank corrected.

Batch #06-1017

Calibration: The system was calibrated on 11/7/06 and verified prior to sample analysis.

Analysis: The samples were analyzed on 11/7/06.

Quality Assurance: Please refer to the Quality Assurance Summary for QA results. Sample results may have been evaluated using detection limits that were adjusted to account for sample aliquot size; please refer to the Quality Assurance Summary for a list of the sample specific the method detection limits (MDLs) and practical quantitation limits (PQLs). There are no certified reference

materials (CRMs) available for arsenic species in tissue; therefore, no CRM was analyzed in this batch.

A matrix spike/matrix spike duplicate (MS/MSD) set performed on another clients sample, 06BR1730-22, was spiked at levels less than one-tenth the native sample concentration; therefore, the recoveries were not a valid indicator of bias. A post-preparation spike (PPS) was analyzed using this sample and the recovery met the acceptance criterion (70-130%). Although the PPS concentration used was also less than the native sample concentration (due to the risk of the result exceeding the instrument's calibration limit), the spiked concentration was just less than one-half of the native value and provided a more meaningful recovery.

The sample result above the MDL and less than or equal to the PQL has been qualified "B" and should be considered an estimate. All QA criteria were met and no further qualification of the data was necessary.

Dry Weight Correction: Final results reported in "mg/kg (dry)" units are dry-weight corrected.

Trivalent Arsenic-by EPA Draft Method 1632 (BRL SOP #BR-0021)
Biota samples are digested with hydrochloric acid (HCl), heated for sixteen hours, and adjusted to a pH of 6.2. Samples are then analyzed by hydride generation with $NaBH_4$ addition, cryogenic trap pre-collection, hydrogen/air flame quartz furnace decomposition, and HGAAS. All sample results for As(III) analysis are blank corrected.

Batch #06-1016-2

Calibration: The system was calibrated on 11/7/06 and verified prior to sample analysis.

Analysis: The samples were analyzed on 11/7/06.

Quality Assurance: Please refer to the Quality Assurance Summary for QA results. There are no Crams available for arsenic species in tissue; therefore, no CRM was analyzed in this batch.

Two laboratory fortified blanks (LFBs) were prepared at different concentrations and analyzed with the batch. The "low level" LFB (LFB1) was spiked at 0.200 mg/kg and the "high level" LFB (LFB2) was spiked at 5.00 mg/kg. The recovery of LFB2 met the acceptance criterion, but the recovery of LFB1 failed low (40%). LFB1 was reanalyzed and again failed low (37%) confirming the initial result.

Two matrix spike (MS) sets were also prepared with the batch. The spiking level used for sample "SCTIBC36" (06BR1745-04) corresponded to the level of LFB1 and the spiking level used for sample 06BR1730-22 (another client's sample) corresponded to the level of LFB2. All four MSs met recovery and precision criteria.

It has been assumed that an error was made during the preparation of LFB1. The acceptable recovery of all matrix spikes demonstrates that the client samples were properly prepared and that no interferences were present. On this basis, no corrective action was required. All other QA criteria were met, including the analysis of an independent calibration verification (ICV) standard

and several continuing calibration verification (CCV) standards; all with recoveries ranging from 106% to 113%.

The result less than or equal to the MDL was qualified "U" for non-detect and was reported at the MDL. The result above the MDL and less than or equal to the PQL has been qualified "B" and should be considered an estimate. No additional qualification of the data was required.

Dry Weight Correction: Final results reported in "mg/kg (dry)" units are dry-weight corrected.

Pentavalent Arsenic by Calculation

The concentration of As(V) in a sample is determined by subtracting the As(III) result from the As(In) result. The MDL and PQL for As(V) are equal to the adjusted MDL and PQL for As(In). The result less than or equal to the MDL was qualified "U" for non-detect and was reported at the MDL; all As(In) in this sample should be presumed to be in the As(III) form. The results less above the MDL and less than or equal to the PQL have been qualified "B" and should be considered estimates. No additional qualification of the data was required.

We certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. In addition, we certify that to the best of our knowledge and belief, the data as reported are true and accurate. The Laboratory Director or her designee, as verified by the following signature has authorized release of the data contained in this data package.

Amanda Fawley
Project Manager
amanda@brooksrand.com

Elizabeth Madonick
Project Manager
elizabeth@brooksrand.com

Reported by

Brooks Rand LLC

Contact: Elizabeth Madonick

3958 6th Avenue NW
Seattle, WA 98107
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Summary of Results for

Columbia Analytical Services

Contact: Loan Vo

1317 South 13th Ave
Kelso WA 98626
Tel: 360-501-3281

Lab Project # COL048
Lab Tracking # 06BR1745

Quote COL048a
Client Project ID K0608915

Sample/Sampling/Receiving Info

Columbia Analytical Services		*BRL*	
Sample Identification	**Sampling Date**	**Sample Number**	**Receiving Date**
SCTISS29	09/28/06	06BR1745 - 01	10/31/2006
SCTIBC32a	10/05/06	06BR1745 - 02	10/31/2006
SCTIBC33	10/05/06	06BR1745 - 03	10/31/2006
SCTIBC36	10/06/06	06BR1745 - 04	10/31/2006

Thursday, November 30, 2006

Elizabeth Madonick
Project Manager

Reported by

Brooks Rand LLC

Contact: Elizabeth Madonick

3958 6th Avenue NW
Seattle, WA 98107
Tel: 206-632-6206 Fax: 206-632-6017

Summary of Results for

Columbia Analytical Services

Contact: Loan Vo

1317 South 13th Ave
Kelso WA 98626
Tel: 360-501-3281

Lab Project # COL048
Lab Tracking # 06BR1745

Quote COL048a
Client Project ID K0608915

As(Inorganic)

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
SCTISS29	06BR1745 - 01	T	11/6/2006	11/7/2006	06-1017	1.272	mg/kg (dry)	
SCTIBC32a	06BR1745 - 02	T	11/6/2006	11/7/2006	06-1017	0.091	mg/kg (dry)	B
SCTIBC33	06BR1745 - 03	T	11/6/2006	11/7/2006	06-1017	0.162	mg/kg (dry)	
SCTIBC36	06BR1745 - 04	T	11/6/2006	11/7/2006	06-1017	0.265	mg/kg (dry)	

Wednesday, November 29, 2006

Elizabeth Madonick
Project Manager

Reported by

Brooks Rand LLC

Contact: Elizabeth Madonick

3958 6th Avenue NW
Seattle, WA 98107
Tel: 206-632-6206 *Fax: 206-632-6017*

Summary of Results for

Brooks Rand Report #06BR1745

Columbia Analytical Services

Contact: Loan Vo

1317 South 13th Ave
Kelso WA 98626
Tel: 360-501-3281

Lab Project # COL048
Lab Tracking # 06BR1745

Quote COL048a
Client Project ID K0608915

As(III)

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
SCTISS29	06BR1745 - 01	T	11/19/2006	11/20/2006	06-1016-2	0.773	mg/kg (dry)	
SCTIBC32a	06BR1745 - 02	T	11/19/2006	11/20/2006	06-1016-2	0.014	mg/kg (dry)	U
SCTIBC33	06BR1745 - 03	T	11/19/2006	11/20/2006	06-1016-2	0.052	mg/kg (dry)	B
SCTIBC36	06BR1745 - 04	T	11/19/2006	11/20/2006	06-1016-2	0.233	mg/kg (dry)	

Wednesday, November 29, 2006

Elizabeth Madonick
Project Manager

Reported by

Brooks Rand LLC

Contact: Elizabeth Madonick

3958 6th Avenue NW
Seattle, WA 98107
Tel: 206-632-6206 *Fax: 206-632-6017*

Summary of Results for

Brooks Rand Report #06BR1745

Columbia Analytical Services

Contact: Loan Vo

1317 South 13th Ave
Kelso WA 98626
Tel: 360-501-3281

Lab Project # COL048
Lab Tracking # 06BR1745

Quote COL048a
Client Project ID K0608915

As(V)

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
SCTISS29	06BR1745 - 01	T			06-1020	0.489	mg/kg (dry)	
SCTIBC32a	06BR1745 - 02	T			06-1020	0.077	mg/kg (dry)	B
SCTIBC33	06BR1745 - 03	T			06-1020	0.110	mg/kg (dry)	B
SCTIBC36	06BR1745 - 04	T			06-1020	0.038	mg/kg (dry)	U

Wednesday, November 29, 2006

Elizabeth Madonick
Project Manager

Reported by

Brooks Rand LLC

Contact: Elizabeth Madonick

3958 6th Avenue NW
Seattle, WA 98107
Tel: 206-632-6206 Fax: 206-632-6017

Summary of Results for

Columbia Analytical Services

Contact: Loan Vo

1317 South 13th Ave
Kelso WA 98626
Tel: 360-501-3281

Lab Project # COL048
Lab Tracking # 06BR1745

Quote COL048a
Client Project ID K0608915

% Solids

Sample Identification	BRL Number	Total or Dissolved	Preparation date	Analysis date	Batch #	Result	Units	Qualifier (Q)
SCTISS29	06BR1745 - 01	T	11/19/2006	11/20/2006	06-1023	10.220	% Solids	
SCTIBC32a	06BR1745 - 02	T	11/19/2006	11/20/2006	06-1023	20.850	% Solids	
SCTIBC33	06BR1745 - 03	T	11/19/2006	11/20/2006	06-1023	19.080	% Solids	
SCTIBC36	06BR1745 - 04	T	11/19/2006	11/20/2006	06-1023	15.860	% Solids	

Wednesday, November 29, 2006

Elizabeth Madonick
Project Manager

QUALITY ASSURANCE SUMMARY

BROOKSRAND
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW
Seattle, WA 98107
Voice: 206-632-6206
Fax: 206-632-6017

Batch #: **06-1017** ***Method #:*** **BR-0021**

Analyte: **As(In)** ***Matrix:*** **Biota**

BIAS *Criteria: Recovery = 70-130%*
Independent Calibration Verification (ICV)
Continuing Calibration Verification (CCV)

QCS ID	*Certified Value µg/L*	*Measured Value µg/L*	*Recovery %*
ICV1	5.000	5.555	111%
CCV1	5.000	5.244	105%

BIAS *Criteria: Recovery = 70-130%*
Laboratory Fortified Blank (LFB)

QCS ID	*Certified Value µg/L*	*Measured Value µg/L*	*Recovery %*
LFB	0.200	0.170	85%
LFB	0.200	0.173	87%

BIAS *Criteria: Recovery = 65-135%, RPD<35%*
Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)

		Matrix Spike			*Matrix Spike Duplicate*				
Sample ID	*Sample Value mg/kg*	*Spiked Value mg/kg*	*Measured Value mg/kg*	*MS Recovery %*	*Spiked Value mg/kg*	*Measured Value mg/kg*	*MSD Recovery %*	*Duplicate RPD*	
06BR1730-22	2.249	0.189	2.173	n/a	0.189	1.962	n/a	10%	*
06BR1745-04	0.042	0.203	0.213	84%	0.193	0.197	80%	8%	

*MS/MSD samples were spiked at a level less than the native sample concentration. A post-preparation spike was prepared with an appropriate spike concentration (calculated not to exceed the instrument's calibration), and the recovery met the acceptance criterion.

BIAS *Criteria: Recovery = 70-130%*
Post-Preparation Spikes (PPS)

		Post-Preparation Spike		
Sample ID	*Sample Value mg/kg*	*Spiked Value mg/kg*	*Measured Value mg/kg*	*PPS Recovery %*
06BR1730-22	2.249	0.965	3.270	106%

PRECISION *Criteria: RPD<35% or +/-2xPQL if <5xPQL*
Method Duplicate Analysis (MD)

Sample ID	*Native Value mg/kg*	*Duplicate Value mg/kg*	*Average Value mg/kg*	*RPD*
06BR1730-22	2.249	2.355	2.302	5%
06BR1745-04	0.042	0.037	0.040	12%

Method Blanks (MB)
Criteria: Avg. < 2x MDL & StDev < 2/3 MDL or < 1/10th sample

MB1 mg/kg	*MB2 mg/kg*	*MB3 mg/kg*	*Average mg/kg*	*StDev mg/kg*
0.001	0.002	0.001	0.001	0.000

Sample Specific Detection Limits

Sample ID	*MDL mg/kg*	*PQL mg/kg*
06BR1730-21	0.057	0.189
06BR1730-22	0.058	0.193
06BR1745-01	0.006	0.018
06BR1745-02	0.006	0.019
06BR1745-03	0.006	0.021
06BR1745-04	0.006	0.020

Method Detection Limits

MDL mg/kg	*PQL mg/kg*
0.003	0.010

Jenni Fagell 11/16/06
Quality Assurance Officer

Elizabeth Mednick 11/30/06
Project Manager

	Batch:	06-1017	Analyte:	As (In)			Date:	11/07/06				MDL:	0.003	µg/g
	Analyst:	BZ	Matrix:	Biota			Instrument ID:	HGAA2				PQL:	0.010	µg/g

Run No.	Run Type	Tracking #	Sample ID	Sample Wt. (mg)	Dilution Vol. (mL)	Analyzed Vol. (mL)	PA	As(In) ng	As(In) µg/g	TV/ Spike	Recovery		MDL	PQL	Comments
1	CB						20	0.082	0.004			23.33			= avg PA of CB
2	CB						35	0.143	0.007			0.095			= avg ng of CB
3	CB						15	0.061	0.003			0.043			= std dev ng CB
4	CS						162			0.50	113%	0.0041			= avg cal coeff
5	CS						587			2.00	115%	20%			= RSD cal coeff
6	CS						2565			10.00	104%	0.9937			= R Value
7	CS						5734			30.00	78%				
8	ICV						1383	5.555		5	111%				
9	MB		1	500	10	2.00	54	0.125	0.001			0.749			= tng used for corr
10	MB		2	500	10	2.00	73	0.203	0.002			0.001			= avg MB µg/g
11	MB		3	500	10	2.00	53	0.121	0.001			0.000			= std dev MB µg/g
12	QCS	LFB-1	As(III)+As(V)	500	10.00	1.00	2118	8.558	0.170	0.200	85%				
13	QCS	LFB-2	As(III)+As(V)	500	10.00	1.00	2159	8.725	0.173	0.200	87%				
14	S	06BR1745	04	505	10.00	2.00	1134	4.54	*0.043*				0.003	0.010	Reanalyzed at a dilution.
15	S	06BR1730	22	518	10.00	2.00	12888	52.56	*0.506*				0.003	0.010	Above calibration. Reanalyzed.
16	CB						39	0.159	0.008						
17	S	06BR1730	22R	518	10.00	0.20	5183	21.08	*2.033*				0.029	0.097	High result. Reanalyzed.
18	S	06BR1730	22R2	518	10.00	0.10	2877	11.66	2.249				0.058	0.193	
19	MR	06BR1730	22MD	516	10.00	0.10	3000	12.16	2.355			5%	0.058	0.194	= RPD MD
20	MS	06BR1730	22MS*	528	10.00	0.10	2833	11.48	2.173	0.189	-40%		0.057	0.189	
21	MSD	06BR1730	22MSD*	530	10.00	0.10	2570	10.40	1.962	0.189	-152%	10%	0.057	0.189	= % Rec RPD MS/MSD
22	MS	06BR1730	22PPS	518	10.00	0.10	4171	16.95	3.270	0.965	106%		0.058	0.193	
23	S	06BR1730	21	529	10.00	0.10	2861	11.59	2.190				0.057	0.189	
24	S	06BR1730	23	503	10.00	2.00	72	0.20	0.000				0.003	0.010	See QA notes concerning sample vol.
25	S	06BR1730	24	505	10.00	2.00	54	0.13	0.000				0.003	0.010	
26	S	06BR1745	01	543	10.00	1.00	1767	7.12	0.130				0.006	0.018	
27	S	06BR1745	02	527	10.00	1.00	291	1.09	0.019				0.006	0.019	
28	S	06BR1745	03	470	10.00	1.00	397	1.53	0.031				0.006	0.021	
29	S	06BR1745	04R	505	10.00	1.00	562	2.20	0.042				0.006	0.020	
30	MR	06BR1745	04MD	489	10.00	1.00	490	1.91	0.037			12%	0.006	0.020	= RPD MD
31	MS	06BR1745	04MS*	493	10.00	1.00	2611	10.57	0.213	0.203	84%		0.006	0.020	
32	MSD	06BR1745	04MSD*	518	10.00	1.00	2542	10.29	0.197	0.193	80%	8%	0.006	0.019	= % Rec RPD MS/MSD
33	CCV						1307	5.244		5	105%				
34	CB						0	0.000	0.000						

*Sample spiked with As(III) and As(V)

3^+, In, MMA, DMA

As-T / As Species _____ / Se-T / Se Species _____
Methods BR-0020 (HGAAS) & EPA 1632 (HGAAS)

Matrix: Water / Sediment / Biota / Other _____

Batch #: 06 - 1016, 1017, 1018, 1019 Preparation Date: 11/06/06
Tracking #(s): C02048, MW2001 Prepared By: BZ
Project #(s): 06BR1745, 06BR1730 Page 1 of 1

Flask #	Sample I.D.	Sample Wt. / Vol. (mg) / (mL)	Flask #	Sample I.D.	Sample Wt. / Vol. (mg) / (mL)
1	MB - 1	—	18	06BR1730 - 23	.503 *
2	- 2	—	19	- 24	.505 *
3	- 3	—			
4	LFB - 1	—			
5	~~06B~~ LFB - 2	—			
6	06BR 1745 - 01	543			
7	- 02	527			
8	- 03	470			
9	- 04	505			
10	- 04 MD	489			
11	- 04 MS	493			
12	- 04 MSD	518			
* 13	06BR1730 - 21	529			
* 14	- 22	518			
* 15	- 22 MD	516			
* 16	- 22 MS	528			
* 17	- 22 MSD	530			

Matrix Spike/Matrix Spike Duplicate

Sample I.D.	Spike I.D.	Spike std. Conc.	Spike Vol. (mL)	Spike Conc. (µg/g) ~~/ (µg/L)~~
06BR1745 - 04 MS	MMA, DMA, As^{3+}, As^{5+}	100 ng/mL	0.50	~0.100
- 04 MSD				
06BR1730 - 22 MS				
- 22 MSD				

Sample was pippetted.

MMA : 06 - 310 - 01 MMA
DMA : 06 - 310 - 01 DMA
As(III) : 06 - 310 - 01 As(III)
As(V) : 06 - 310 - 01 As(V)

As ☑ Se ☐ Analysis Sheet

Page 1 of 2

Batch: 06-1017 Matrix: Biota

Analyst: BZ Calibration Blank $\bar{X}$: Blank Corr. Calib. Coef. $\bar{X}$: 0.0041 0.00410

Date: 11/7/06 Method Blank $\bar{X}$: 6M HCl 06-311 RSD: 19.5%

Standards: Cal Std 10 ng /mL: 06-310-01 ~~30% NH_2OHHCl~~: N=: 4

QA: Full☐ Standard☐ ~~ICV Std~~: 06-311-01 4% $NaBH_4$: 7 r: 0.9937

Noise: 4% $NaBH_4$ add. & purge time (m:s)

Run #	Trap #	Sample ID	Analyzed volume (mL)	PA	Sample Specific Notes
1	N	cal BLK-1	—	20	
2		-2	—	35	
3		-3	—	15	
4		0.5 ng cal	0.050	162	
5		2.0	0.200	587	
6		10	0.100	2565	
7		30	0.300	~~2735~~	5734 JLF 11/15/06
8		ICV	0.050	1383	
9		MB-1	2.0	~~55~~	54 JLF 11/15/06
10		-2		73	
11		-3		53	
12		LFB-1	1.0	2118	
13		-2	1.0	2159	
14		06BR1745-04	2.0	1134	
15		06BR1730-22	2.0	12888	
16		CCB	—	39	
17		06BR1730-22R	0.200	5183	
18		-22R2	0.100	2877	
19		-22MD		3000	
20		-22MS		7833	As(III), As(V), MMA, DMA
21		-22MSD		2570	
22		-22 DPS		4171	
23		-21		2861	
24		-23	~~0.200~~	72	Analyzed vol = 2.00 mL

Comments: See QA Notes JLF 11/16/06

Method SRM:

As ☑ Se ☐ Analysis Sheet

Batch: 06-1017 Matrix: Biota

Analyst: BZ Date: 11/7/06

Run #	Trap #	Sample ID	Analyzed volume (mL)	PA	Sample Specific Notes
25	M	06BR1730-24	2.00	54	
26		06BR1745-01	1.00	1767	
27		-02		291	
28		-03		397	
29		-04R		562	
30		-04MD		4910	
31		-04MS		2611	
32		-04MSD		2542	
33		CCV	0.500	1307	
34		CCB	—	0	
					JLF 11/15/06

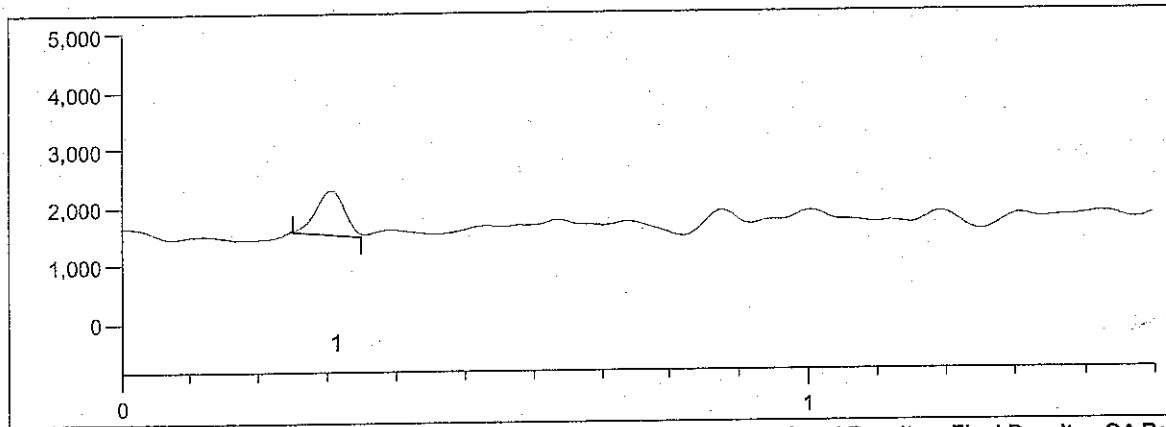
Comments:

Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

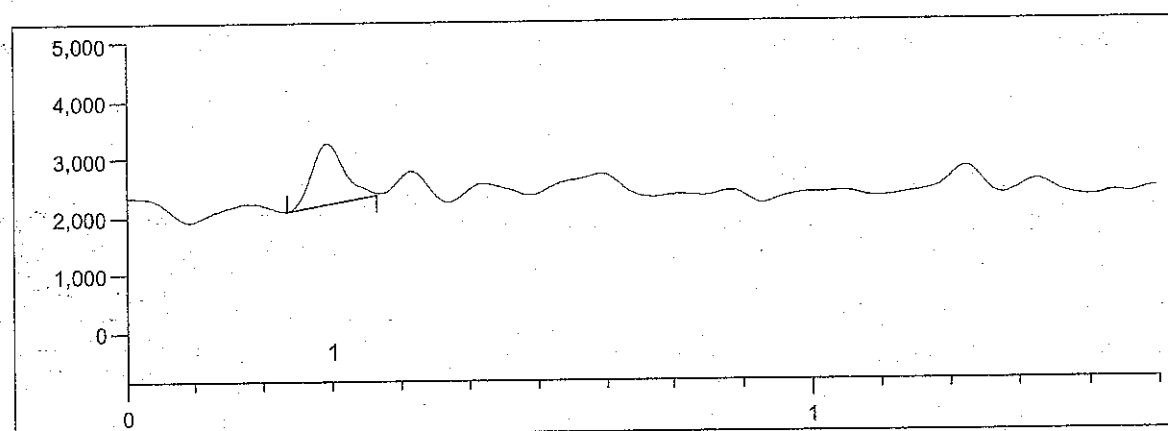


Date: 11/7/06
Time: 9:09 AM

Peak	rt	Area
1	0.30	19,954

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	CB	CB-1		1	19,954	0.0815		0.0815	< 1.5	accept

Notes

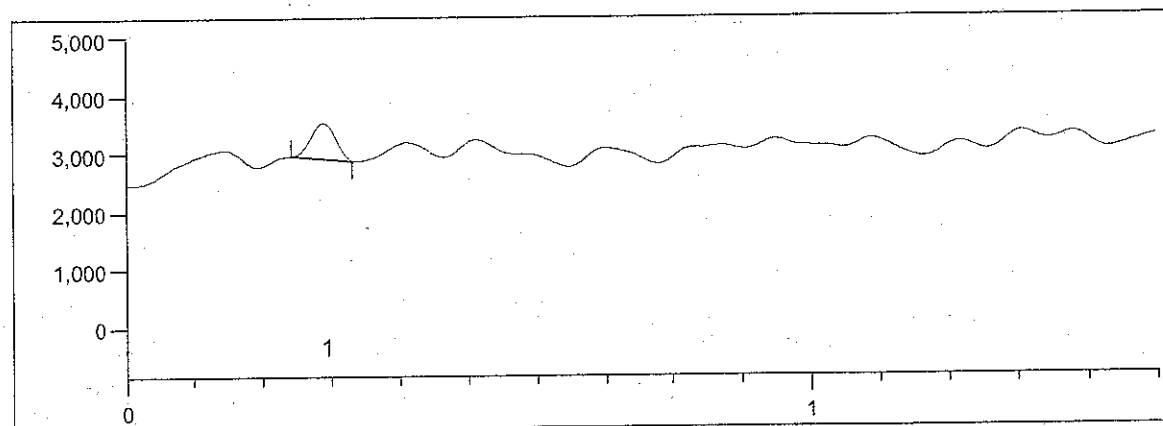


Date: 11/7/06
Time: 9:15 AM

Peak	rt	Area
1	0.29	34,628

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	CB	CB-2		1	34,628	0.141		0.141	< 1.5	accept

Notes



Date: 11/7/06
Time: 9:23 AM

Peak	rt	Area
1	0.28	15,296

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	CB	CB-3		1	15,296	0.0625		0.0625	< 1.5	accept

Notes

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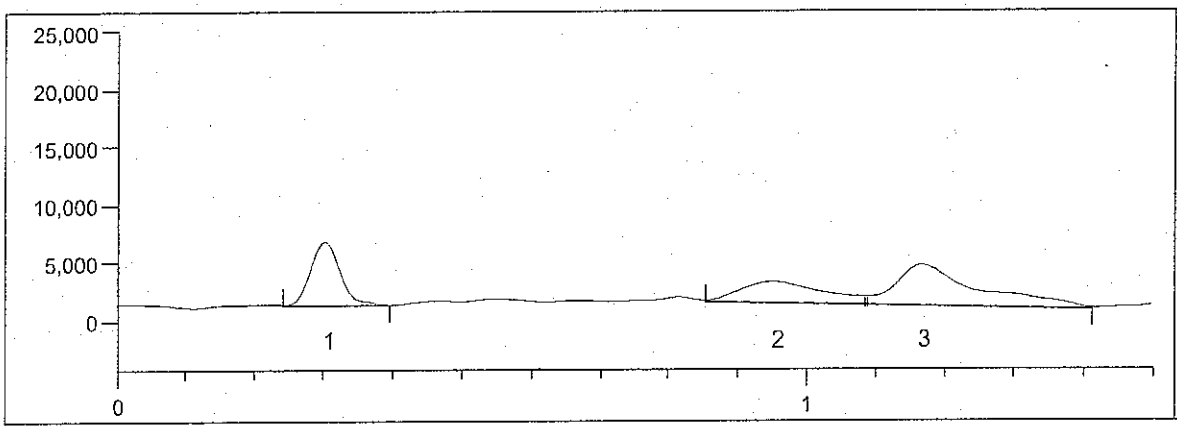
Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

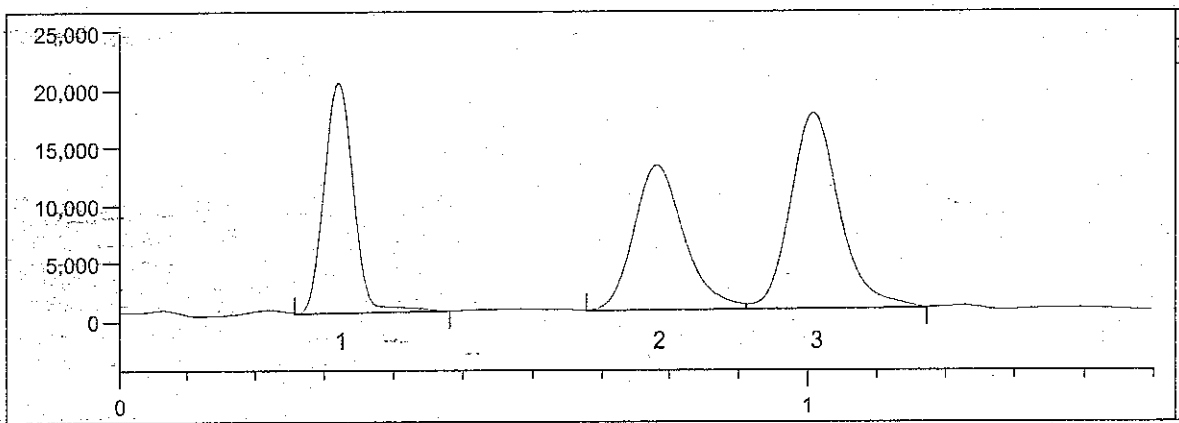


Date: 11/7/06
Time: 9:40 AM

Peak	rt	Area
1	0.30	161,890
2	0.95	136,900
3	1.16	264,258

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	STD	0.5 ng		1	161,890	0.566		113	75-125	accept

Notes

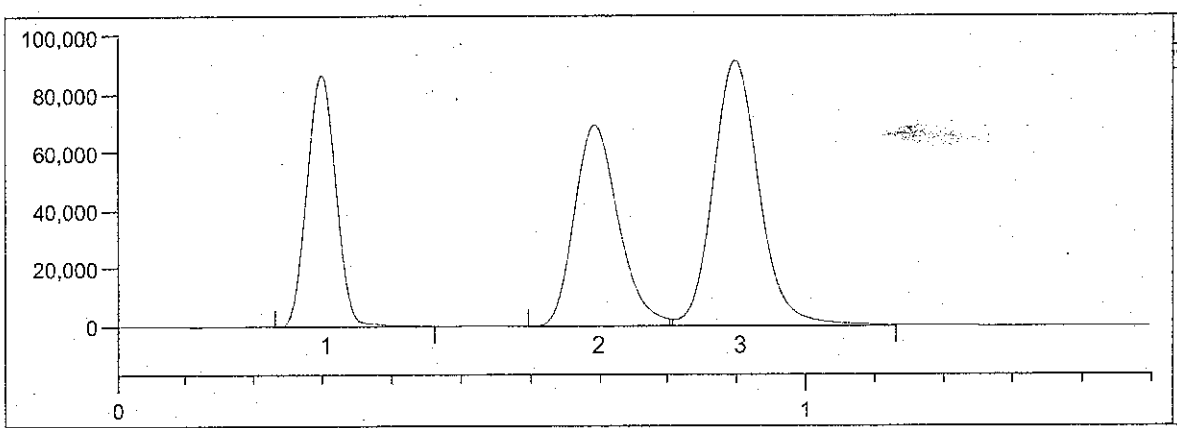


Date: 11/7/06
Time: 9:47 AM

Peak	rt	Area
1	0.32	586,803
2	0.78	630,355
3	1.00	835,542

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	STD	2.0 ng		1	586,803	2.30		115	75-125	accept

Notes



Date: 11/7/06
Time: 10:04 AM

Peak	rt	Area
1	0.30	2,565,237
2	0.69	3,099,029
3	0.89	4,266,171

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	STD	10 ng		1	2,565,237	10.4		104	75-125	accept

Notes

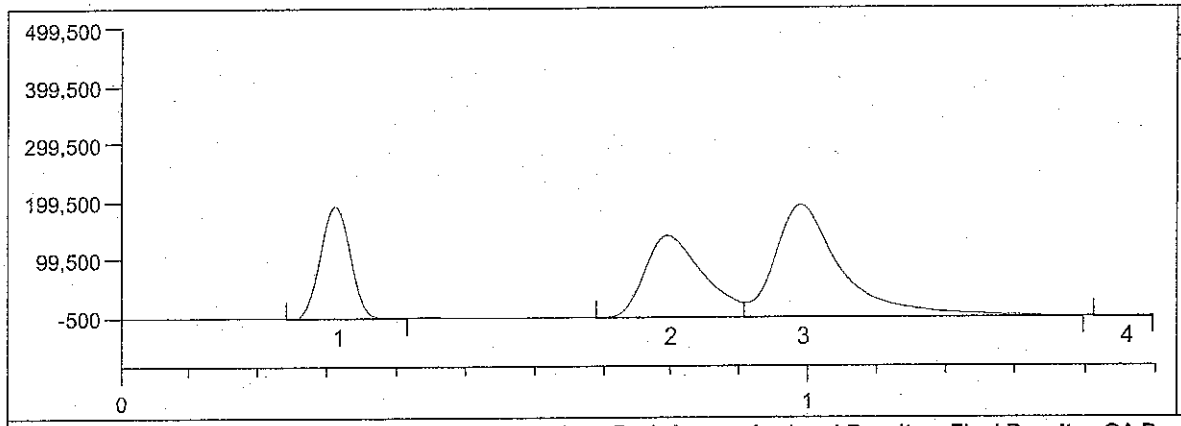
Peak Report

Brooks Rand Report #06BR1745

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

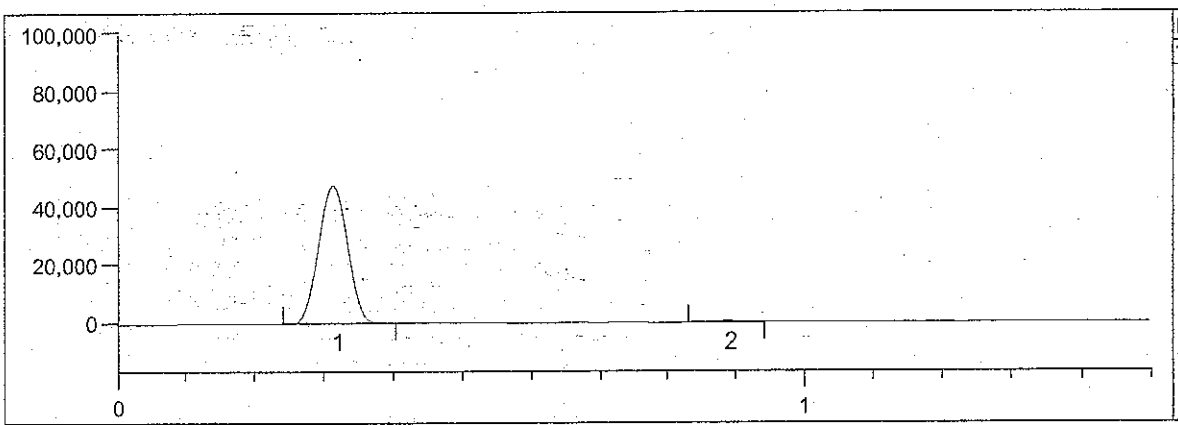
Date Analyzed: 11/7/06
Analyst Name: BZ



Date: 11/7/06
Time: 10:11 AM

Peak	rt	Area
1	0.31	5,734,136
2	0.79	8,345,677
3	0.98	12,891,752
4	1.45	3,521

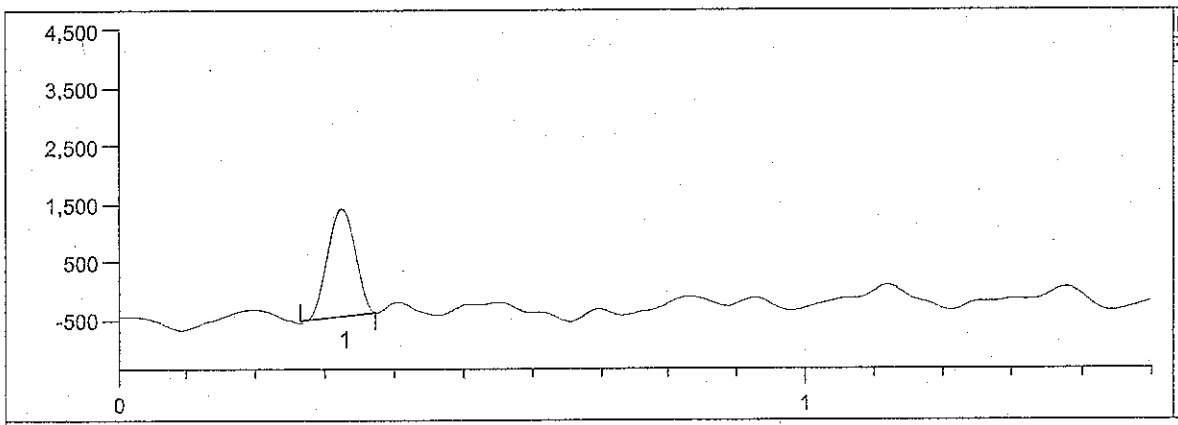
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	STD	30 ng		1	5,734,136	23.3		77.8	75-125	accept
Notes										



Date: 11/7/06
Time: 10:19 AM

Peak	rt	Area
1	0.31	1,383,218
2	0.88	23,541

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	OPR	As(III) CCV		1	1,383,218	5.56		111	80-120	accept
Notes										



Date: 11/7/06
Time: 10:30 AM

Peak	rt	Area
1	0.32	53,515

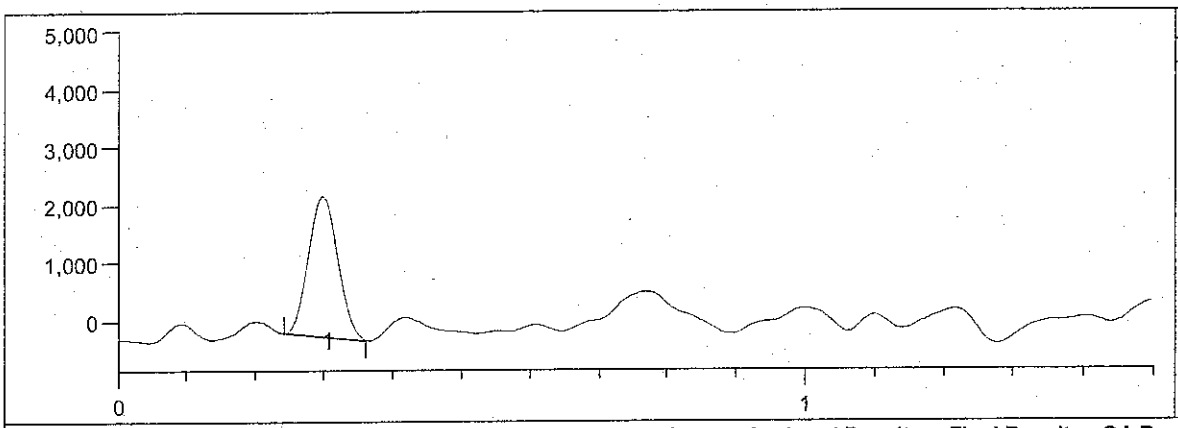
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	MBA	MB-1		1	53,515	0.123	0.00123	0.00123	< 0.006	accept
Notes										

Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

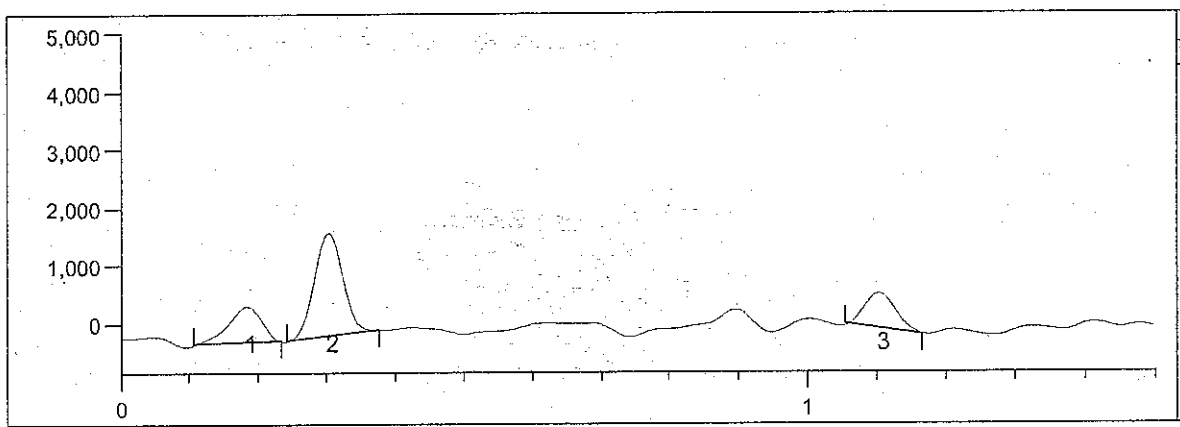


Date: 11/7/06
Time: 10:37 AM

Peak	rt	Area
1	0.30	73,353

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	MBA	MB-2		1	73,353	0.205	0.00205	0.00205	< 0.006	accept

Notes

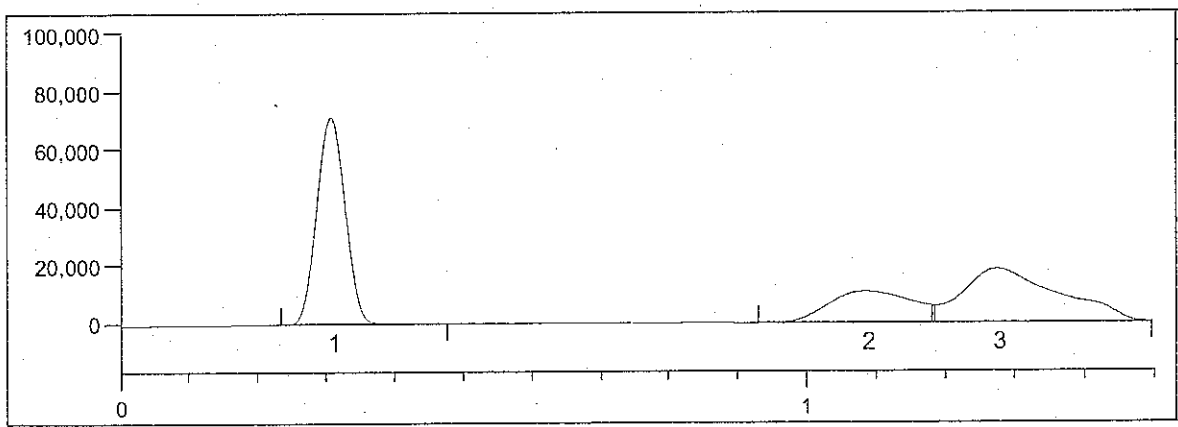


Date: 11/7/06
Time: 10:45 AM

Peak	rt	Area
1	0.18	22,048
2	0.30	53,264
3	1.10	19,465

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	MBA	MB-3		2	53,264	0.122	0.00122	0.00122	< 0.006	accept

Notes



Date: 11/7/06
Time: 10:54 AM

Peak	rt	Area
1	0.30	2,117,806
2	1.08	964,534
3	1.27	1,799,865

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	QCS	LFB-1	MBA	1	2,117,806	8.56	0.170	84.8	65-135	accept

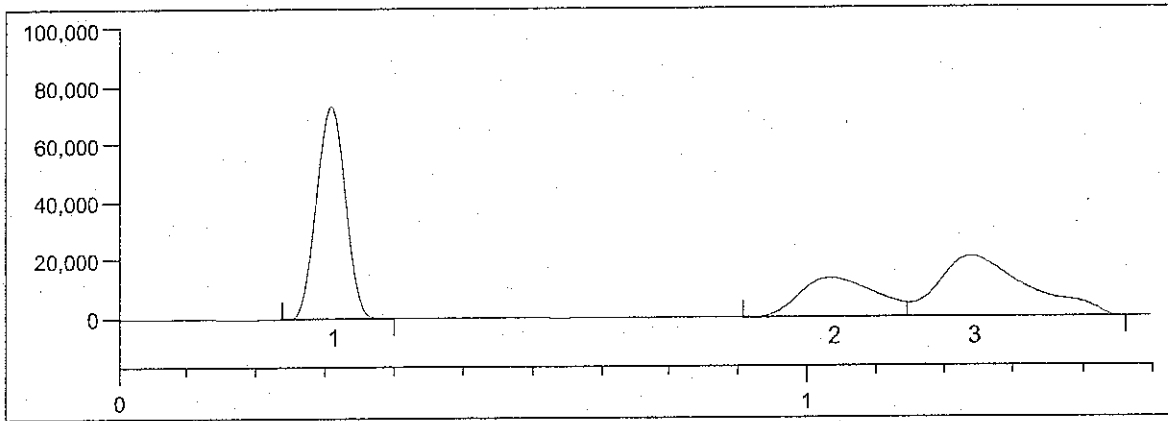
Notes

Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

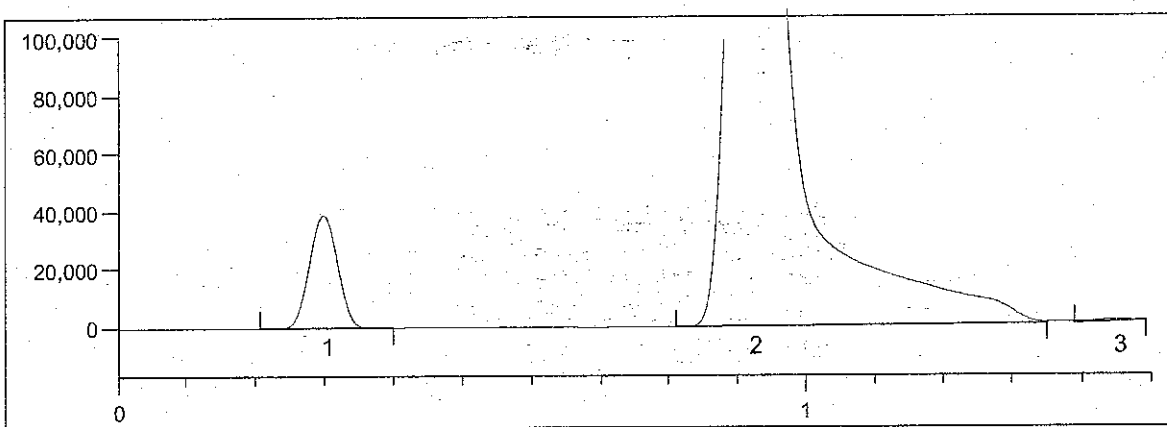


Date: 11/7/06
Time: 11:04 AM

Peak	rt	Area
1	0.30	2,159,337
2	1.03	1,086,675
3	1.24	1,908,732

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	QCS	LFB-2	MBA	1	2,159,337	8.73	0.173	86.5	65-135	accept

Notes

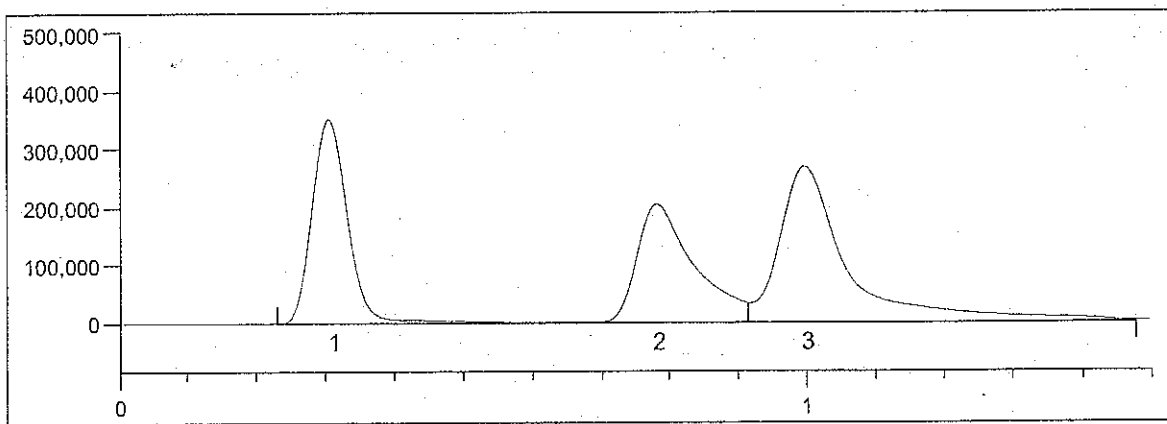


Date: 11/7/06
Time: 11:17 AM

Peak	rt	Area
1	0.30	1,134,260
2	0.92	18,522,356
3	1.45	15,913

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	S	06BR1745-04x	MBA	1	1,134,260	4.54	0.0434		< HS	accept

Notes



Date: 11/7/06
Time: 11:26 AM

Peak	rt	Area
1	0.30	12,887,571
2	0.78	11,846,884
3	0.99	18,083,234

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	S	06BR1730-22x	MBA	1	12,887,571	52.6	0.506		< HS	reject

Notes

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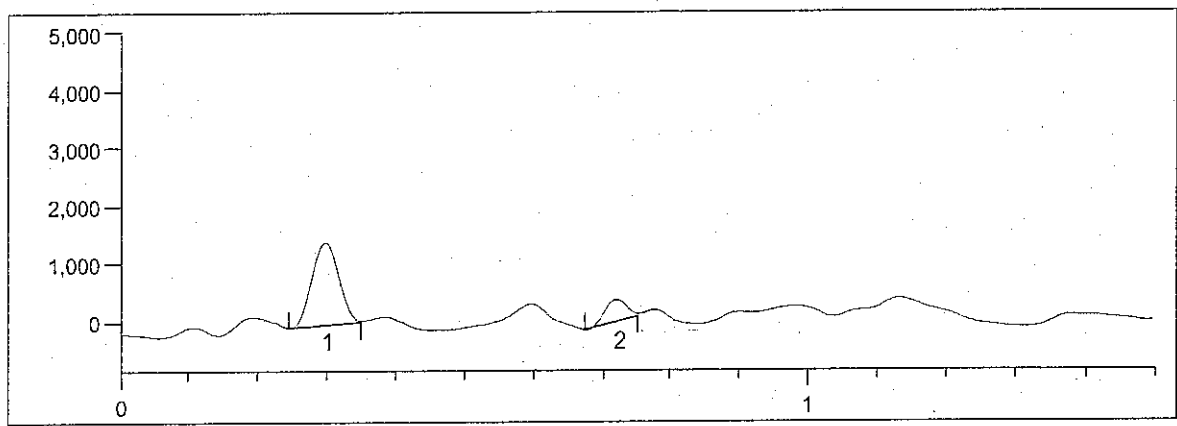
Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

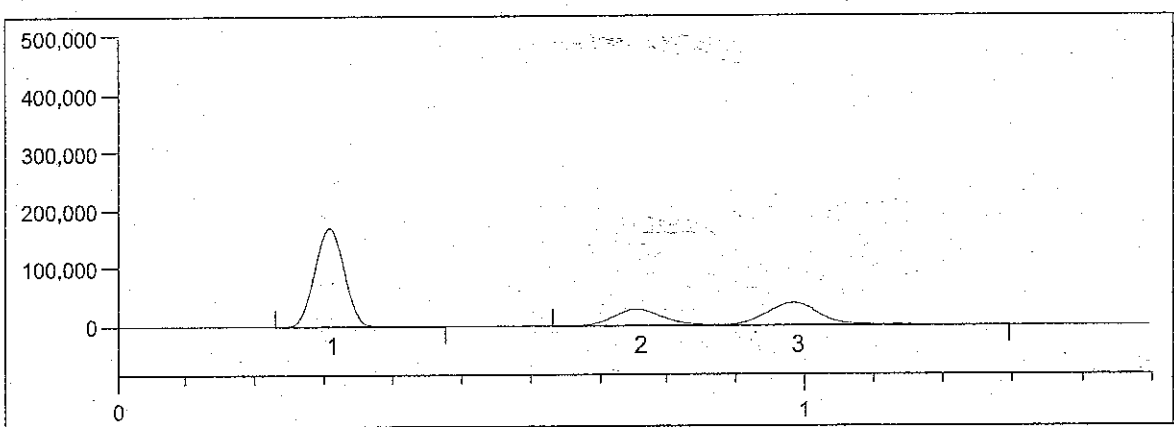


Date: 11/7/06
Time: 11:33 AM

Peak	rt	Area
1	0.29	39,183
2	0.72	8,326

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	CCB	CCB		1	39,183	0.160		0.160	<1.5	accept

Notes

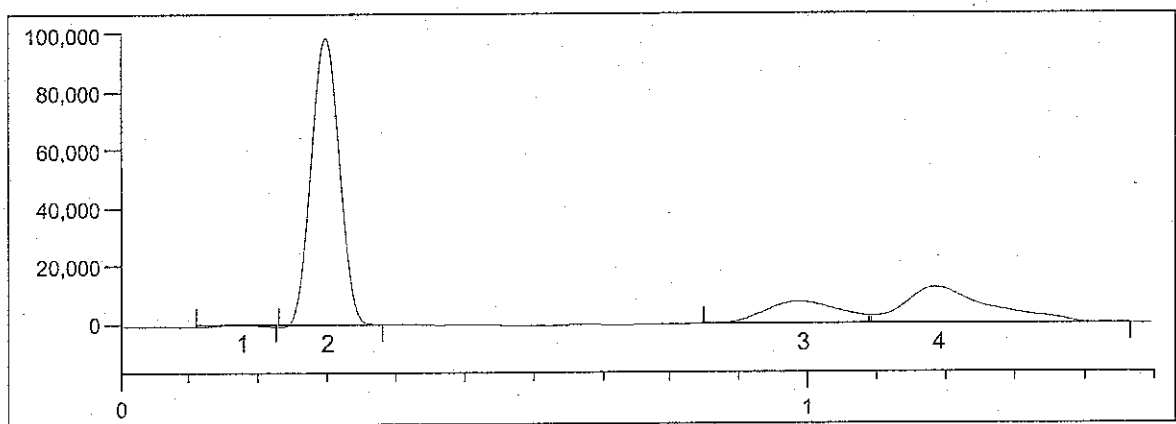


Date: 11/7/06
Time: 11:40 AM

Peak	rt	Area
1	0.30	5,183,342
2	0.75	1,512,196
3	0.98	2,238,195

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	S	06BR1730-22y	MBA	1	5,183,342	21.1	2.03		< HS	reject

Notes



Date: 11/7/06
Time: 11:49 AM

Peak	rt	Area
1	0.17	21,735
2	0.29	2,877,130
3	0.98	616,762
4	1.18	1,149,420

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	S	06BR1730-22	MBA	2	2,877,130	11.7	2.25		< HS	accept

Notes

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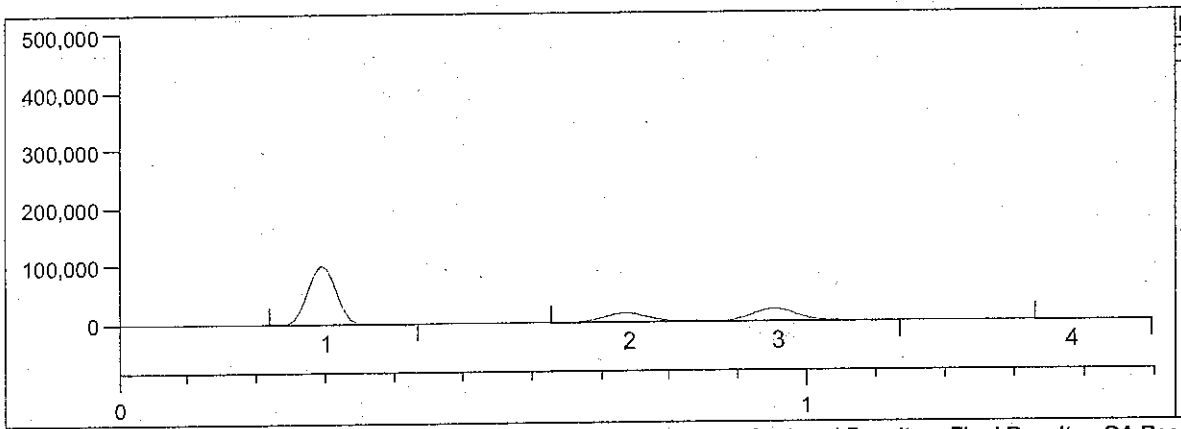
Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

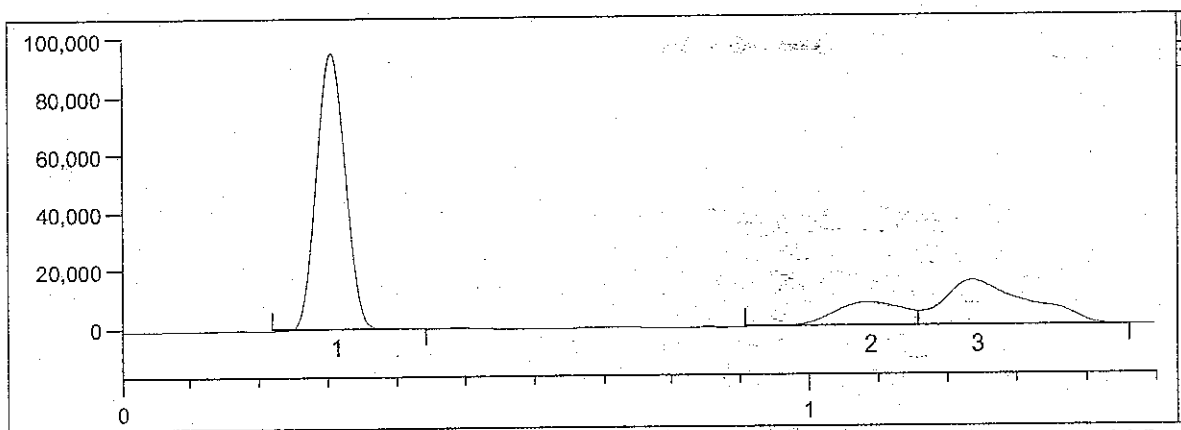


Date: 11/7/06
Time: 11:55 AM

Peak	rt	Area
1	0.29	3,000,187
2	0.73	797,325
3	0.95	1,076,625
4	1.38	23,134

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	MD	06BR1730-22	MBA	1	3,000,187	12.2	2.36	4.67	< 35	accept

Notes

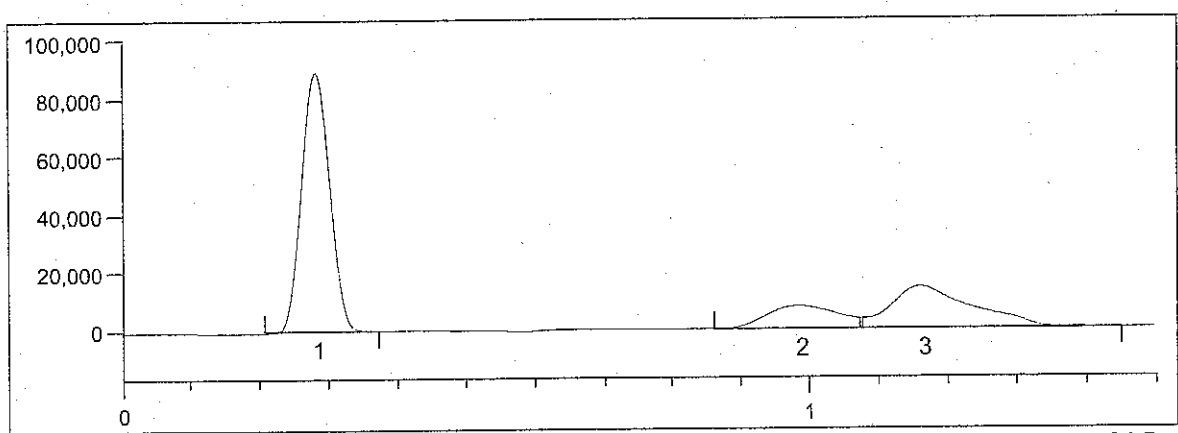


Date: 11/7/06
Time: 12:06 PM

Peak	rt	Area
1	0.30	2,833,142
2	1.08	608,302
3	1.23	1,339,217

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	MS	06BR1730-22	MBA	1	2,833,142	11.5	2.17	-40.6	65-135	reject

Notes



Date: 11/7/06
Time: 12:13 PM

Peak	rt	Area
1	0.28	2,570,282
2	0.98	609,087
3	1.16	1,242,099

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	MSD	06BR1730-22	MBA	1	2,570,282	10.4	1.96	-,152	65-135	reject

Notes

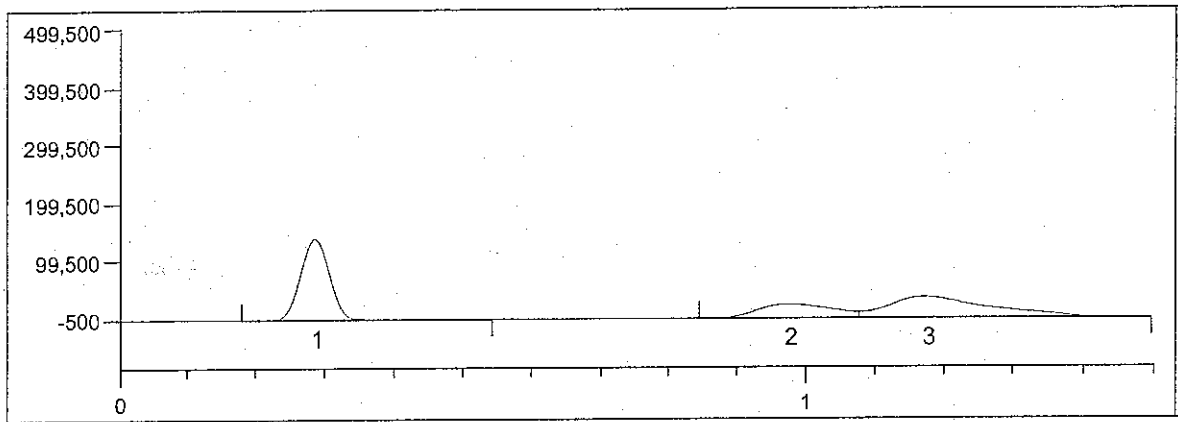
Peak Report

Brooks Rand Report #06BR1745

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

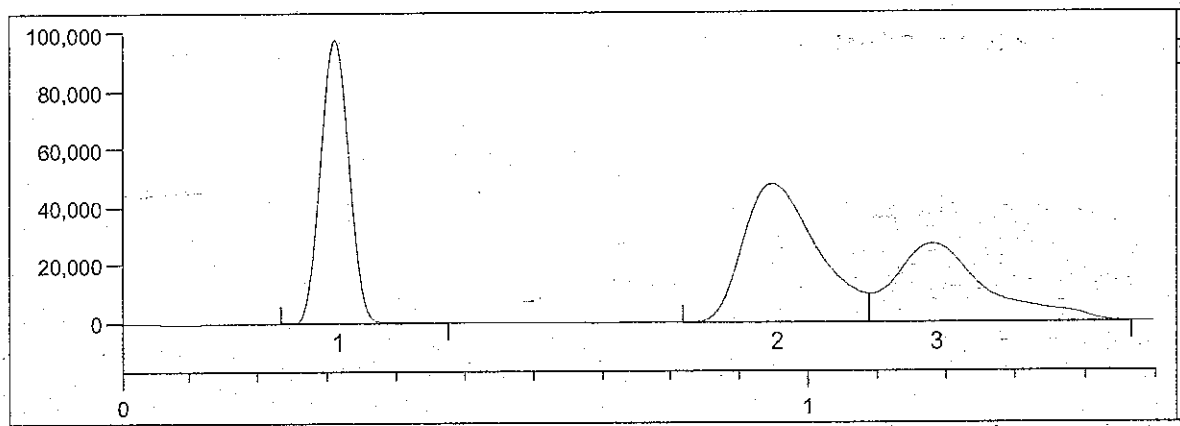
Date Analyzed: 11/7/06
Analyst Name: BZ



Date: 11/7/06
Time: 12:25 PM

Peak	rt	Area
1	0.28	4,170,663
2	0.97	1,845,109
3	1.17	3,669,243

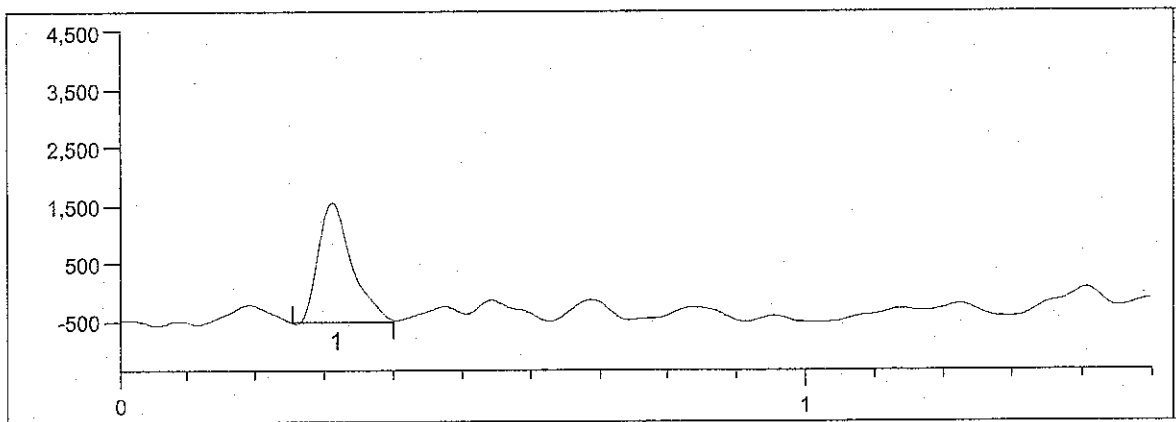
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	MS	06BR1730-22	MBA	1	4,170,663	16.9	3.27	106	65-135	accept
Notes										



Date: 11/7/06
Time: 1:13 PM

Peak	rt	Area
1	0.31	2,860,509
2	0.94	3,614,074
3	1.18	2,462,722

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	S	06BR1730-21	MBA	1	2,860,509	11.6	1.09		< HS	accept
Notes										



Date: 11/7/06
Time: 1:23 PM

Peak	rt	Area
1	0.31	72,216

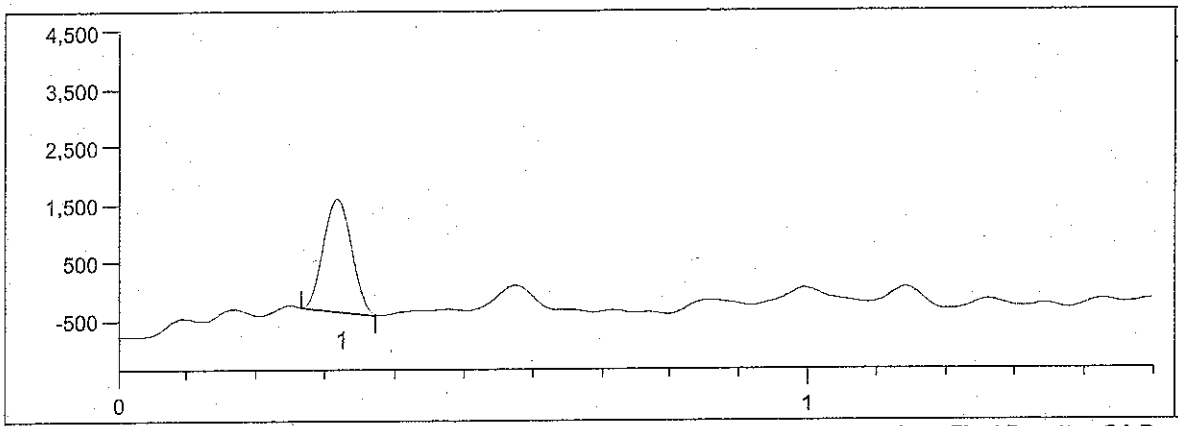
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	S	06BR1730-23	MBA	1	72,216	0.200	0.000485		< HS	accept
Notes										

Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

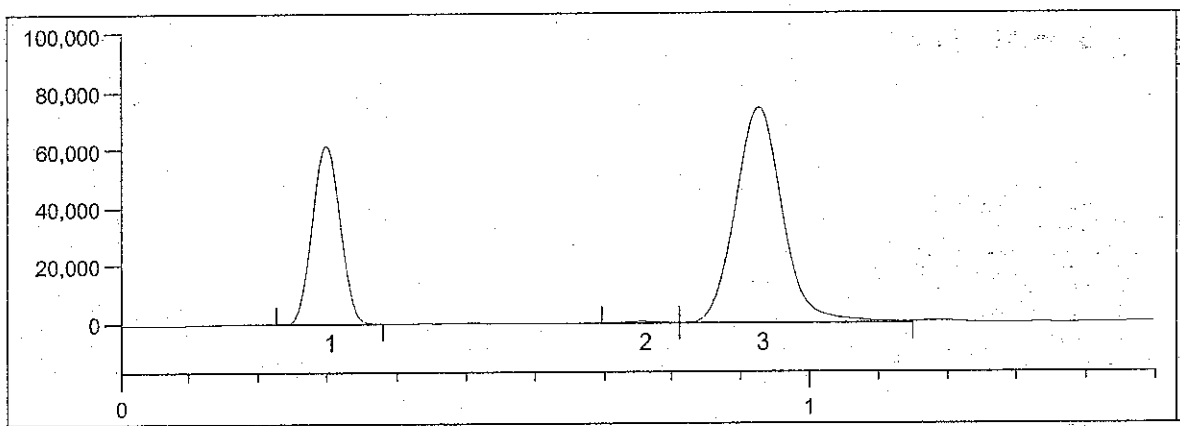


Date: 11/7/06
Time: 1:31 PM

Peak	rt	Area
1	0.31	54,385.

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	S	06BR1730-24	MBA	1	54,385	0.127	-0.000244		< HS	accept

Notes

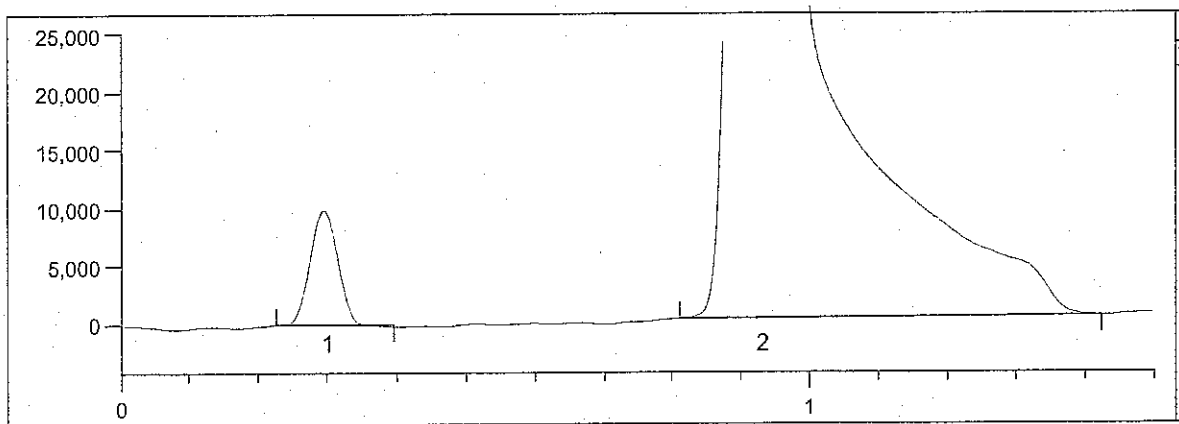


Date: 11/7/06
Time: 1:38 PM

Peak	rt	Area
1	0.30	1,766,968
2	0.75	23,477
3	0.92	3,512,321

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	S	06BR1745-01	MBA	1	1,766,968	7.12	0.130		< HS	accept

Notes



Date: 11/7/06
Time: 1:46 PM

Peak	rt	Area
1	0.29	290,853
2	0.92	11,950,997

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	S	06BR1745-02	MBA	1	290,853	1.09	0.0192		< HS	accept

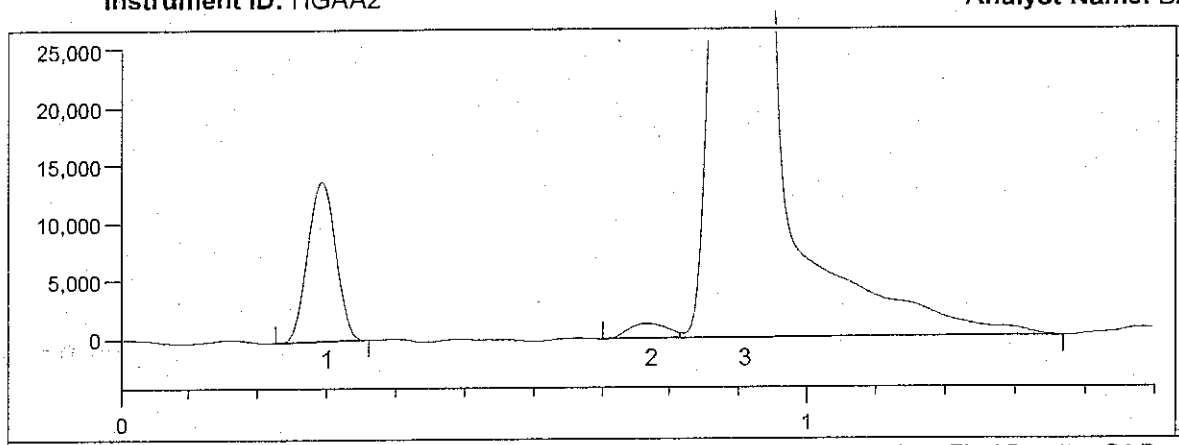
Notes

Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

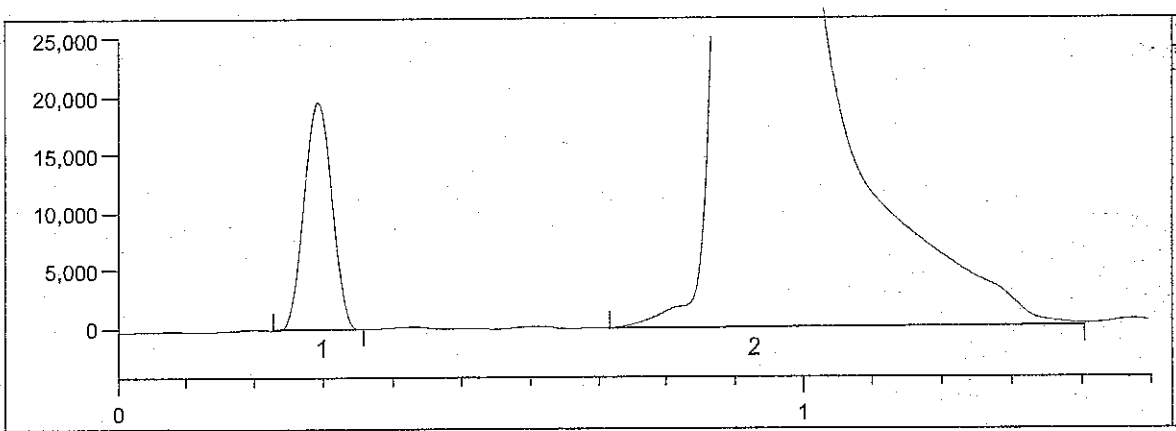


Date: 11/7/06
Time: 1:54 PM

Peak	rt	Area
1	0.29	396,886
2	0.76	56,847
3	0.90	8,920,067

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	S	06BR1745-03	MBA	1	396,886	1.53	0.0310		< HS	accept

Notes

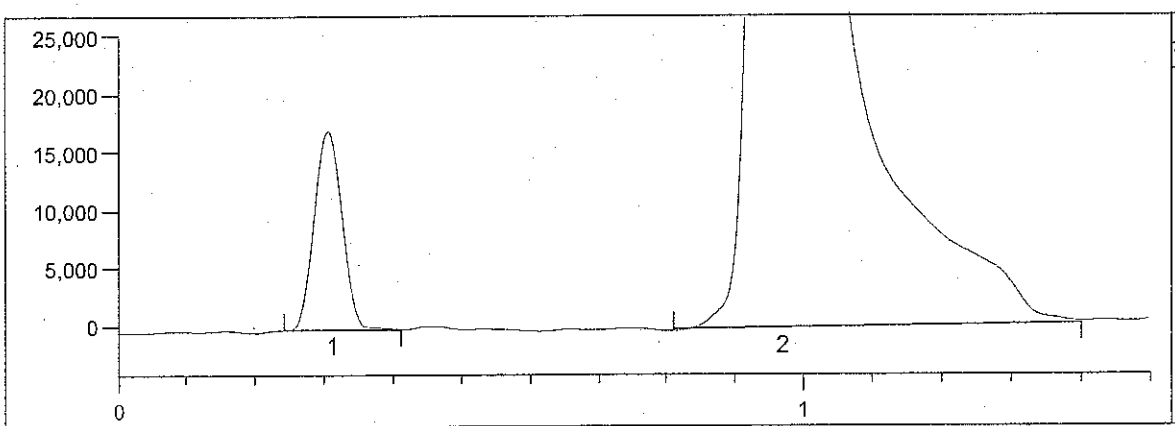


Date: 11/7/06
Time: 2:01 PM

Peak	rt	Area
1	0.29	562,032
2	0.92	13,149,406

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	S	06BR1745-04	MBA	1	562,032	2.20	0.0421		< HS	accept

Notes



Date: 11/7/06
Time: 2:34 PM

Peak	rt	Area
1	0.30	489,700
2	0.96	11,156,639

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	MD	06BR1745-04	MBA	1	489,700	1.91	0.0390	7.69	< 35	accept

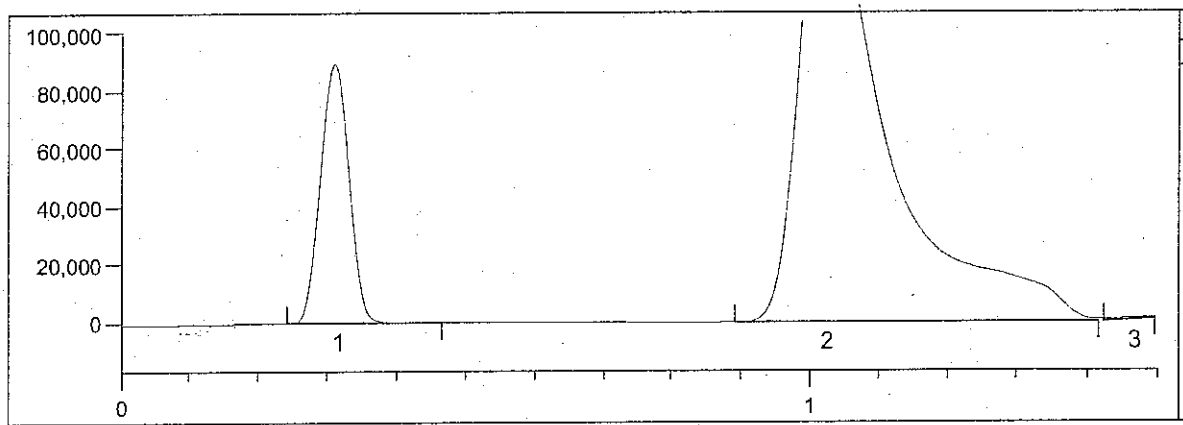
Notes

Peak Report

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ

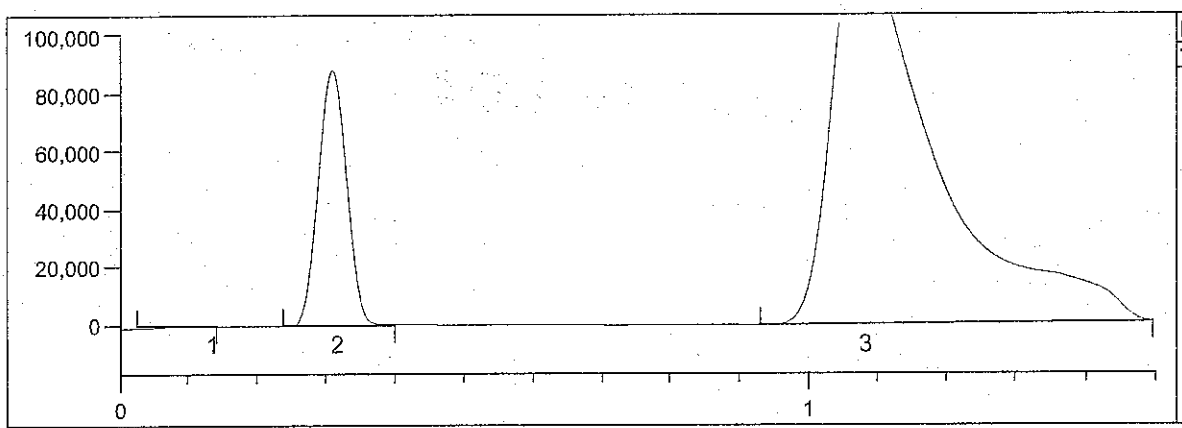


Date: 11/7/06
Time: 2:44 PM

Peak	rt	Area
1	0.31	2,611,044
2	1.02	14,052,955
3	1.46	5,840

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	MS	06BR1745-04	MBA	1	2,611,044	10.6	0.213	84.2	65-135	accept

Notes

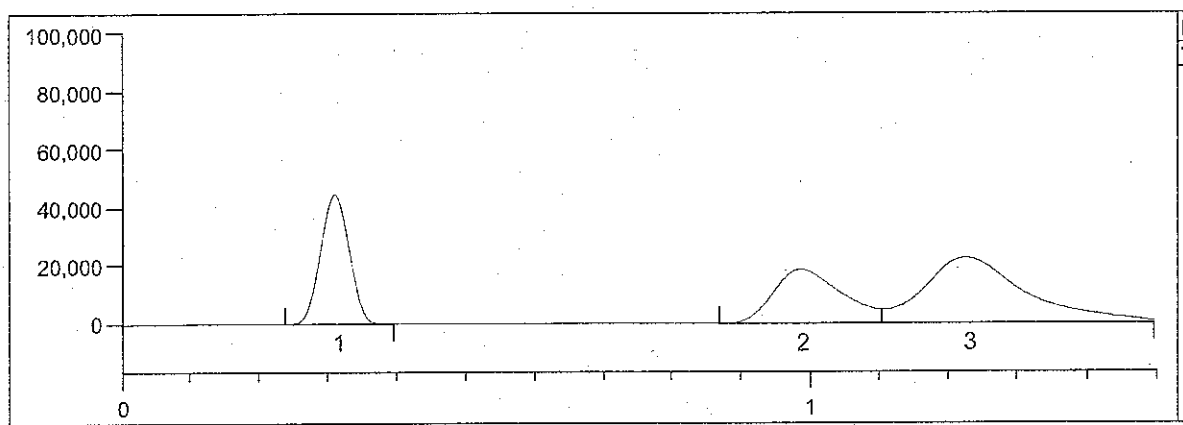


Date: 11/7/06
Time: 2:54 PM

Peak	rt	Area
1	0.13	10,258
2	0.31	2,541,569
3	1.07	14,120,372

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	MSD	06BR1745-04	MBA	2	2,541,569	10.3	0.197	80.3	65-135	accept

Notes



Date: 11/7/06
Time: 3:27 PM

Peak	rt	Area
1	0.31	1,306,534
2	0.98	1,320,490
3	1.22	2,250,002

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	OPR	CCV		1	1,306,534	5.24		105	80-120	accept

Notes

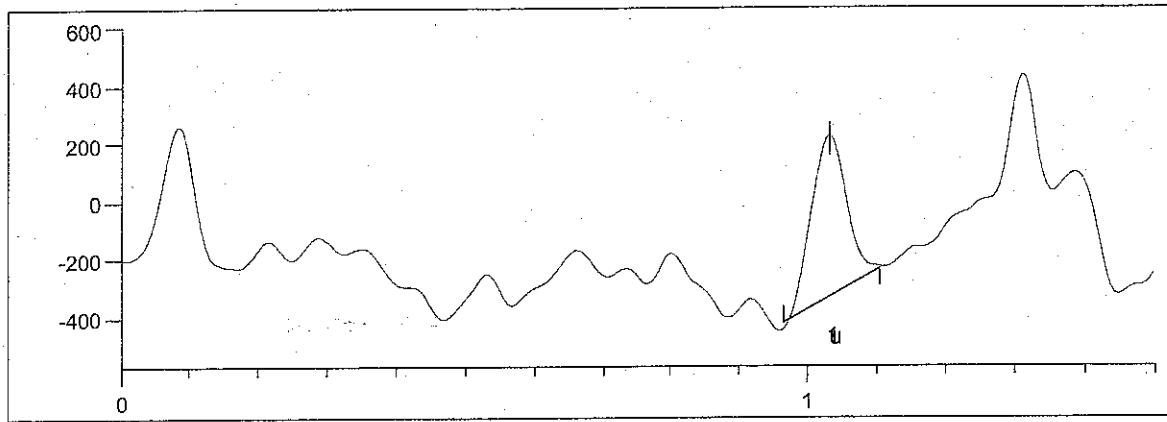
Peak Report

Brooks Rand Report #06BR1745

Batch Number: 06-1017
Method Number: BR-0021

Project Number(s): MLW001, COL048
Instrument ID: HGAA2

Date Analyzed: 11/7/06
Analyst Name: BZ



Date:	11/7/06
Time:	3:32 PM

Peak	rt	Area
1	1.03	20,570
u	1.03	0

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	CCB	CCB		u	0	0.00		0.00	<1.5	accept
Notes										

JRF 11/15/06

QUALITY ASSURANCE SUMMARY

BROOKSRAND
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW
Seattle, WA 98107
Voice: 206-632-6206
Fax: 206-632-6017

Batch #: **06-1016-2** ***Method #:*** **BR-0021**

Analyte: **As(III)** ***Matrix:*** **Biota (Clams)**

BIAS *Criteria: Recovery = 70-130%*
Independent Calibration Verification (ICV)
Continuing Calibration Verification (CCV)

QCS ID	*Certified Value µg/L*	*Measured Value µg/L*	*Recovery %*
ICV1	5.000	5.324	106%
CCV1	5.000	5.453	109%
CCV2	5.000	5.446	109%
CCV3	5.000	5.65	113%

BIAS *Criteria: Recovery = 65-135%*
Laboratory Fortified Blank (LFB)

QCS ID	*Expected Value mg/kg*	*Measured Value mg/kg*	*Recovery %*
LFB1	0.200	0.080	40%
LFB1r	0.200	0.074	37%
LFB2	5.000	4.663	93%

BIAS *Criteria: Recovery = 65-135%, RPD<35%*
Matrix Spike and Matrix Spike Duplicate Analysis (MS/MSD)

		Matrix Spike			*Matrix Spike Duplicate*			
Sample ID	*Sample Value mg/kg*	*Spiked Value mg/kg*	*Measured Value mg/kg*	*MS Recovery %*	*Spiked Value mg/kg*	*Measured Value mg/kg*	*MSD Recovery %*	*Duplicate RPD*
06BR1730-22	1.861	4.892	5.895	82%	4.980	6.881	101%	15%
06BR1745-04	0.037	0.196	0.217	92%	0.198	0.214	89%	1%

PRECISION *Criteria: RPD<35%*
Method Duplicate Analysis (MD)

Sample ID	*Sample Value mg/kg*	*Duplicate Value mg/kg*	*Average Value mg/kg*	*RPD*
06BR1730-22	1.861	1.883	1.872	1%
06BR1745-04	0.037	0.032	0.035	16%

Method Blanks (MB)
Criteria: Avg. <2x MDL & StDev <2/3 MDL or <1/10th sample

MB1 mg/kg	*MB2 mg/kg*	*MB3 mg/kg*	*Average mg/kg*	*StDev mg/kg*
0.000	0.000	0.000	0.000	0.000

Sample Specific Reporting Limits

Sample ID	*MDL mg/kg*	*PQL mg/kg*
06BR1730-21	0.015	0.049
06BR1730-22	0.12	0.39

Standard Detection Limits

MDL mg/kg	*PQL mg/kg*
0.003	0.010

11/28/06
Quality Assurance Officer

11/30/06
Project Manager

	Batch:	06-1016-2	Analyte:	As (III)			Date:	11/20/06				MDL:	0.003	µg/g		
	Analyst:	BZ/MP	Matrix:	Biota			Instrument ID:	HGAA2				PQL:	0.010	µg/g		
Run No.	Run Type	Tracking #	Sample ID	Sample Wt. (mg)	Dilution Vol. (mL)	Analyzed Vol. (mL)	PA	As(III) ng	As(III) µg/g	TV/ Spike	Recovery		MDL	PQL	Comments	Cal. Coeff.
1	CB						0	0.000	0.000			0.00			= avg PA of CB	
2	CB						0	0.000	0.000			0.000			= avg ng of CB	
3	CB						0	0.000	0.000			0.000			= std dev ng CB	
4	CS**						94			0.50	66%	0.0062			= avg cal coeff	0.0053
6	CS**						44			0.50	31%	0.0058			= avg cal coeff	0.0114
7	CS**						102			0.50	71%	0.0038			= avg cal coeff	0.0049
11	CS						161			0.50	112%	0.0035			= avg cal coeff	0.0031
5	CS						551			2.00	96%	9%			= RSD cal coeff	0.0036
8	CS						2962			10.00	103%	0.9989			= R Value	0.0034
9	CS						7824			30.00	91%					0.0038
10	ICV						1527	5.324		5	106%					
12	CCV						1564	5.453		5	109%					
13	CB						0	0.000	0.000							
14	MB		1	500	10	2.000	0	0.000	0.000			0.000			= tng used for corr	
15	MB		2	500	10	2.000	0	0.000	0.000			0.000			= avg MB µg/g	
16	MB		3	500	10	2.000	0	0.000	0.000			0.000			= std dev MB µg/g	
17	QCS	LFB	1*	500	10	1.000	565	1.970	0.0394	0.200	20%					
18	QCS	LFB	2	500	10	0.025	1672	5.829	4.663	5.000	93%					
19	QCS	LFB	1R	500	10	1.000	1152	4.016	0.0803	0.200	40%					
20	S	06BR1730	21	513	10	0.200	595	2.07	0.2022				0.015	0.049		
21	S	06BR1730	22*	508	10	0.025	398	1.39	1.093				0.12	0.39		
22	S#	06BR1730	22R	508	10	0.025	678	2.36	1.861							
23	MR#	06BR1730	22MD	511	10	0.025	690	2.41	1.883			1%	0.12	0.39	= RPD MD	
24	MS#	06BR1730	22MS	511	10	0.025	2160	7.53	5.8949	4.892	82%		0.12	0.39		
25	MSD	06BR1730	22MSD*	502	10	0.025	764	2.66	2.122	4.980	5%		0.12	0.40	= %RPD MS/MSD	
26	MSD	06BR1730	22MSD*	502	10	0.025	373	1.30	1.036	4.980	-17%		0.12	0.40	= %RPD MS/MSD	
27	MSD	06BR1730	22MSD	502	10	0.025	2477	8.64	6.881	4.980	101%	15%	0.12	0.40	= %RPD MS/MSD	
28	QCS	LFB	1R2	500	10	1.000	1054	3.675	0.0735	0.200	37%					
29	S	06BR1730	23	501	10	2.000	14	0.05	0.00049				0.001	0.005		
30	S	06BR1730	24	501	10	2.000	0	0.00	0.0000				0.001	0.005		
31	S	06BR1745	01	506	10	2.000	2305	8.04	0.0794				0.001	0.005		
32	S	06BR1745	02	515	10	2.000	88	0.31	0.0030				0.001	0.005		
33	S	06BR1745	03	510	10	2.000	292	1.02	0.0100				0.001	0.005		
34	S	06BR1745	04	511	10	2.000	1092	3.81	0.0373				0.001	0.005		
35	MR	06BR1745	04MD	498	10	2.000	905	3.16	0.0317			16%	0.002	0.005	= RPD MD	
36	MS	06BR1745	04MS	510	10	0.500	1585	5.53	0.2167	0.196	92%		0.006	0.020		
37	MSD	06BR1745	04MSD	504	10	0.500	1550	5.40	0.2144	0.198	89%	1%	0.006	0.020	= %RPD MS/MSD	
38	CCV						1562	5.446		5	109%					
39	MR	06BR1730	22MDR	511	10	0.025	767	2.67	2.093			12%	0.12	0.39	= RPD MD	
40	CCV						1621	5.652		5	113%					
41	CB						0	0.000								

*Sample was not properly neutralized prior to adding TRIS buffer and purging.

** Instrument had not been stabilized. See subsequent runs later on.

Odd shaped peaks. TRIS was remade. Subsequent peaks were good. See rerun for 22MS for consistency in peak area integrated.

As-T / As Species (III) / Se-T / Se Species _____
Methods BR-0020 (HGAAS) & EPA 1632 (HGAAS)

Matrix: Water / Sediment / Biota / Other _____

Batch #: 06-1016-7 Preparation Date: 11/19/06

Tracking #(s): 06BR1745, 1730 Prepared By: MP

Project #(s): CO1048, MW1001 Page 1 of 1

Flask #	Sample I.D.	Sample Wt. / Vol. (mg) / (mL)	Flask #	Sample I.D.	Sample Wt. / Vol. (mg) / (mL)
1	MB-1	-	18	06BR1730-22MSD	502
2	MB-2	-	19	↓ -23	501
3	MB-3	-	20	↓ -24	501
4	MB-4	-			
5	LFB-1	-			
6	LFB-2	-			
7	06BR1745-01	506			
8	↓ -02	515			
9	↓ -03	510			
10	↓ -04	511			
11	↓ -04 MD	498			
12	↓ -04 MS	510			
13	↓ -04 MSD	504			
14	06BR1730-21	513			
15	↓ -22	508			
16	↓ -22 MD	511			
17	↓ -22 MS	511			

Matrix Spike/Matrix Spike Duplicate

Sample I.D.	Spike I.D.	Spike std. Conc.	Spike Vol. (mL)	Spike Conc. (µg/g) / (µg/L)
LFB1	06-323-01	1 ug/mL	0.100	0.2 ug/g
1745-04 MS/MSD	↓	↓	↓	↓
LFB2	↑	↑	↑	↑
1730-22 MS/MSD	06-310-01	10 ug/mL	0.250	5 ug/g

As-T / As Species (III) / Se-T / Se Species _____
Methods BR-0020 (HGAAS) & EPA 1632 (HGAAS)

Matrix: Water / Sediment / Biota / Other _____

Batch #: 06-10116-2 Preparation Date: 11/19/06

Prepared By: MP Page 1 of 1

Ongoing Precision and Recovery Sample (OPR) or Certified reference Material (CRM)

OPR / CRM I.D.	Certified Conc. (µg/g) / (µg/L)	Source I.D. (for OPR)

REAGENTS: *Volume & ID #*

HNO_3: _____

$HClO_4$: _____

H_2SO_4: _____

HCl: 2 M 10 mL

$H_3PO_4/NH_2OH{\bullet}HCl$: _____

DIGESTION:

Temperature	Time	
83°C	1215 11/19/06	(IN)
80°C	830 11/20/06	(OUT)

DILUTION INFORMATION:

Final Volume of Preparation: 10 mL

Volume of Prep Subsampled: _____

Dilution Media: _____

Final Dilution Volume: _____

ADDITIONAL COMMENTS: _____

As ☒ Se ☐ Analysis Sheet

Batch: 06-1016-2 Matrix: BIOTA

Analyst: BZ/MP Calibration Blank $\bar{X}$: 0 Blank Corr. Calib. Coef. $\bar{X}$: 0.0035

Date: 11/20/06 Method Blank $\bar{X}$: 0 RSD: 9%

Standards: Cal Std 10 ng /mL: 06-324-01 (AS111) 30% NH_2OHHCl: 06-324 N=: 4

QA: Full☐ Standard☐ ICV Std: 06-324-02 AS(111) 4% $NaBH_4$: 06-324 r: 0.9989

Noise: 4% $NaBH_4$ add. & purge time (m:s)

Run #	Trap #	Sample ID	Analyzed volume (mL)	PA	Sample Specific Notes
1	4	CB-1	—	0	
2		CB-2	—	0	
3		CB-3	—	0	
4		CAL 0.5 ng STD	0.050	94	
5		CAL 2 ng STD	0.200	551	
6		CAL 0.5ng STD	0.050	44	
7		CAL 0.5ng STD	0.050	102	
8		CAL 10 ng STD	1.000	2962	
9		CAL 30 ng STD	3.000	7824	
10		ICV 5ng	0.050	1528	
11		CAL 0.5ng STD	0.050	161	
12		CCV 5ng	0.050	1564	
13		CCB	—	0	
14		MB-1	2.000	0	
15		MB-2	2.000	0	
16		MB-3	2.000	0	
17		LFB-1	1.000	565	
18		LFB-2	0.025	1672	
19		LFB-1	1.000	1152	
20		06BR1730-21	0.200	595	
21		-22	0.025	398	
22		-22R	0.025	678	
23		-22MD	0.025	690	
24		-22MS	0.025	2160	

Comments:

Method SRM:

As ☒ Se ☐ Analysis Sheet

Page 2 of 2

Batch: 06-1016-2 Matrix: BIOTA

Analyst: MP Date: 11/20/06

Run #	Trap #	Sample ID	Analyzed volume (mL)	PA	Sample Specific Notes
25	H	06BR1730-22 MSD	0.025	1074	Neutralization problem
26		-22 MSD	0.025	373	
27		22MSDR2	0.025	2477	
28		LFB-1R2	1.00	1054	
29		06BR1730-23	2.00	14	
30		-24		0	
31		06BR1745-01		2305	
32		-02		88	
33		-03		292	
34		-04		1092	
35		-04MD		905	
36		-04 MS	0.500	1585	
37		-04 MSD	0.500	1550	
38		CCV	0.100	1563	
39		CCB			

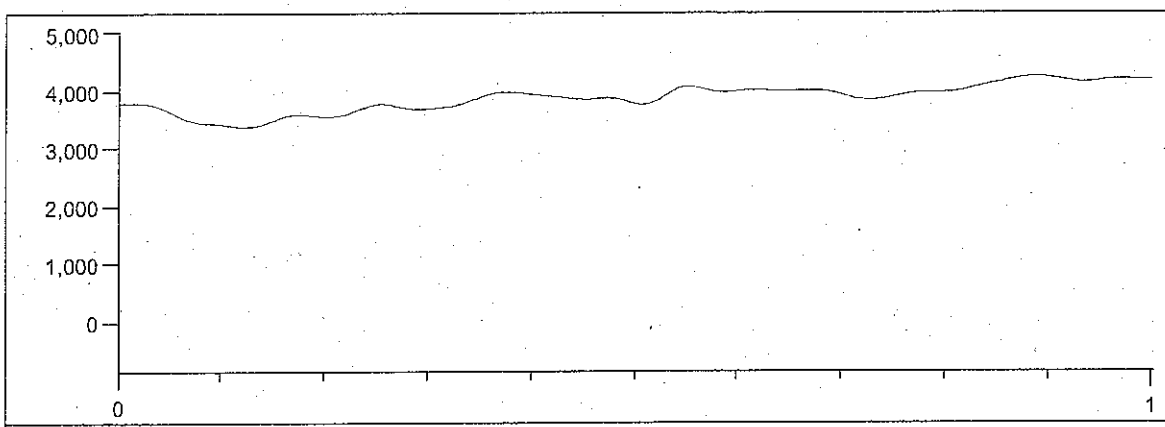
Comments:

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

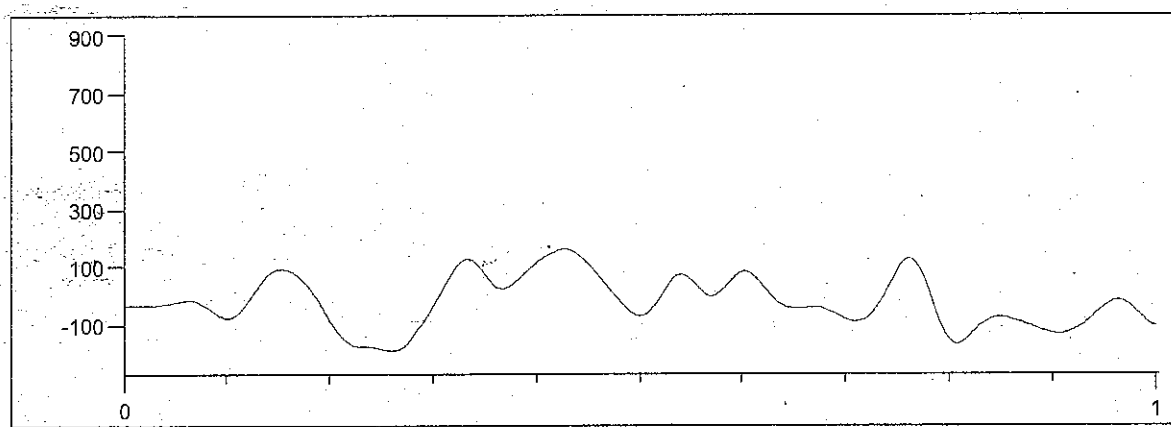


Date: 11/20/06
Time: 9:35 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	CB	CB-1			0	0.00		0.00	< 0.15	accept

Notes

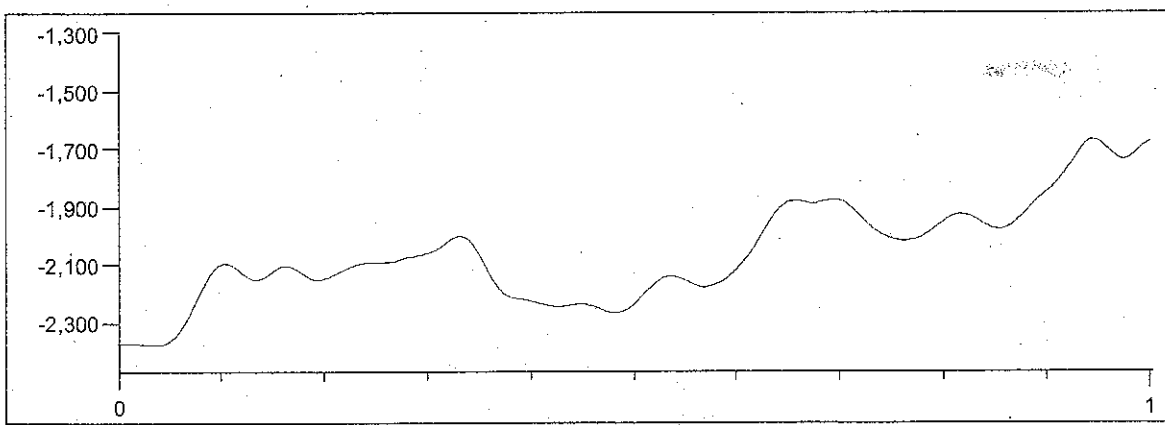


Date: 11/20/06
Time: 9:43 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	CB	CB-2			0	0.00		0.00	< 0.15	accept

Notes



Date: 11/20/06
Time: 9:51 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	CB	CB-3			0	0.00		0.00	< 0.15	accept

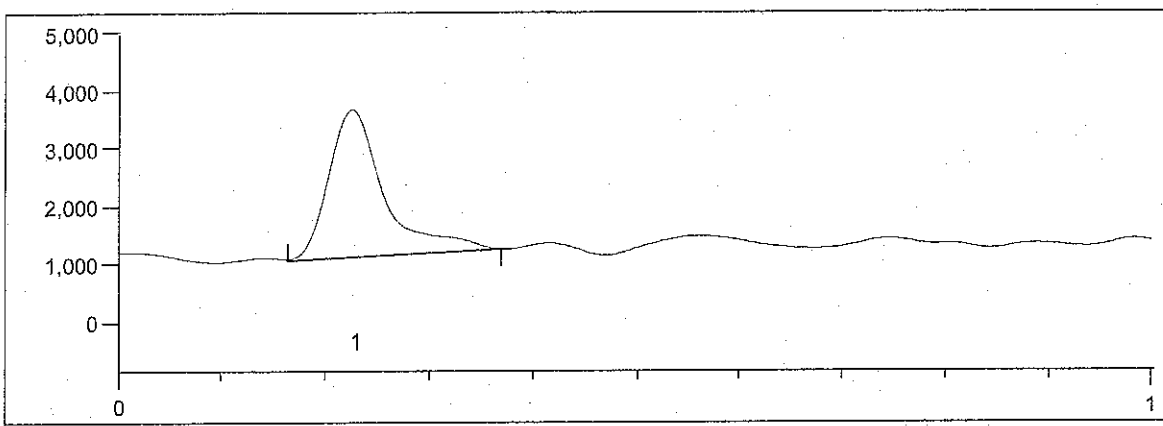
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

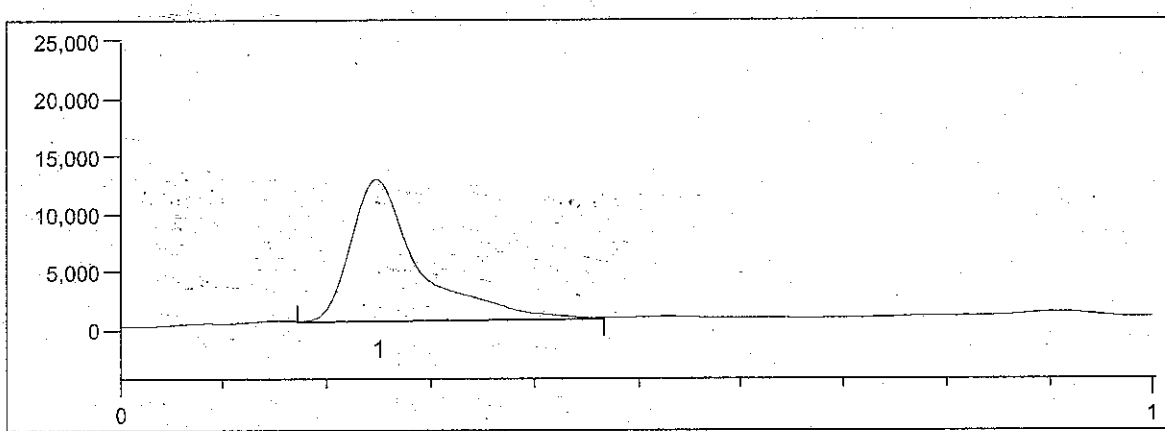


Date: 11/20/06
Time: 9:58 AM

Peak	rt	Area
1	0.22	94,150

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	STD	0.5 ng Cal		1	94,150	0.328		65.6	75-125	reject

Notes

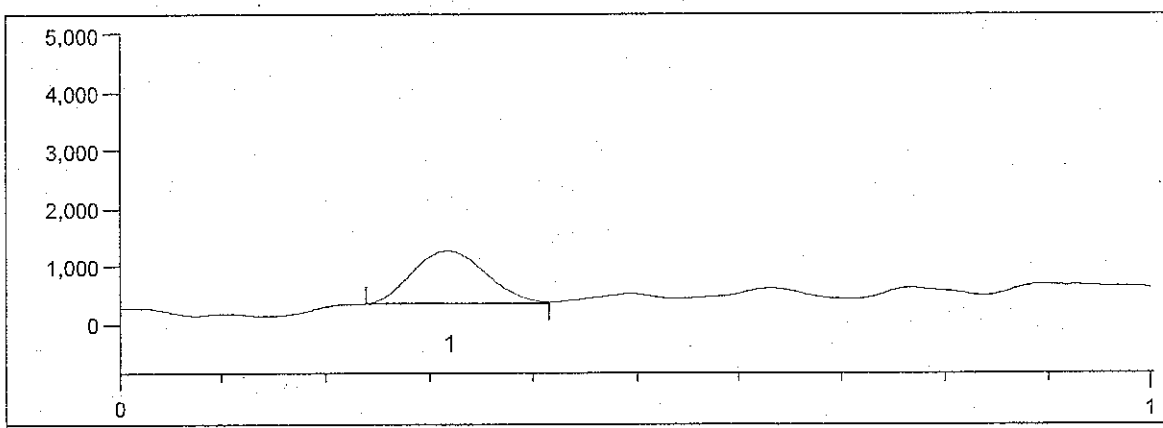


Date: 11/20/06
Time: 10:05 AM

Peak	rt	Area
1	0.24	551,009

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	STD	2.0 ng Cal		1	551,009	1.92		96.0	75-125	accept

Notes



Date: 11/20/06
Time: 10:13 AM

Peak	rt	Area
1	0.31	44,499

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	STD	0.5 ng Cal		1	44,499	0.155		31.0	75-125	reject

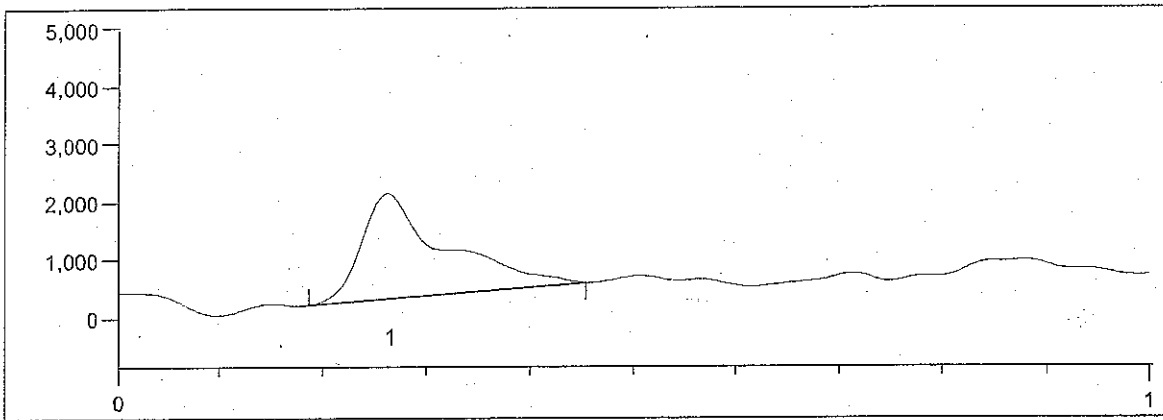
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

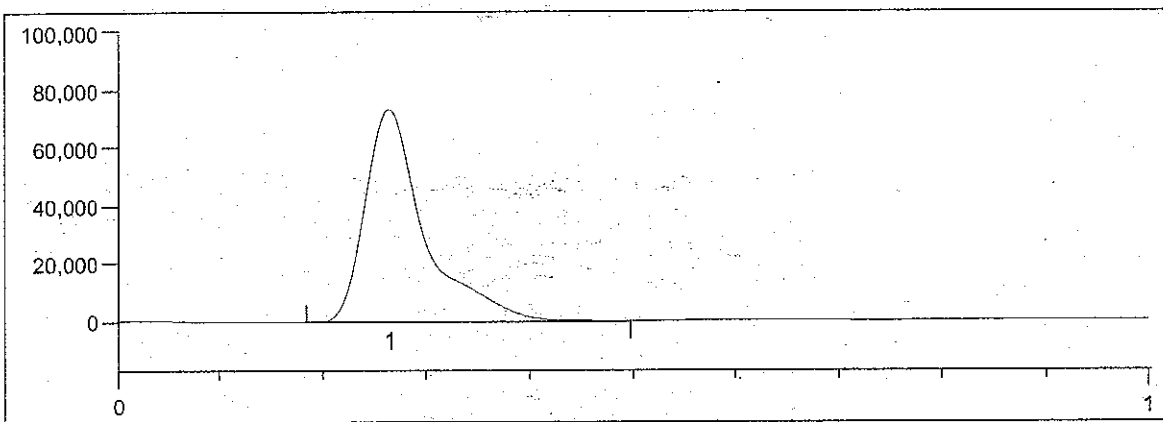


Date: 11/20/06
Time: 10:19 AM

Peak	rt	Area
1	0.26	101,853

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	STD	0.5 ng Cal		1	101,853	0.355		71.0	75-125	reject

Notes

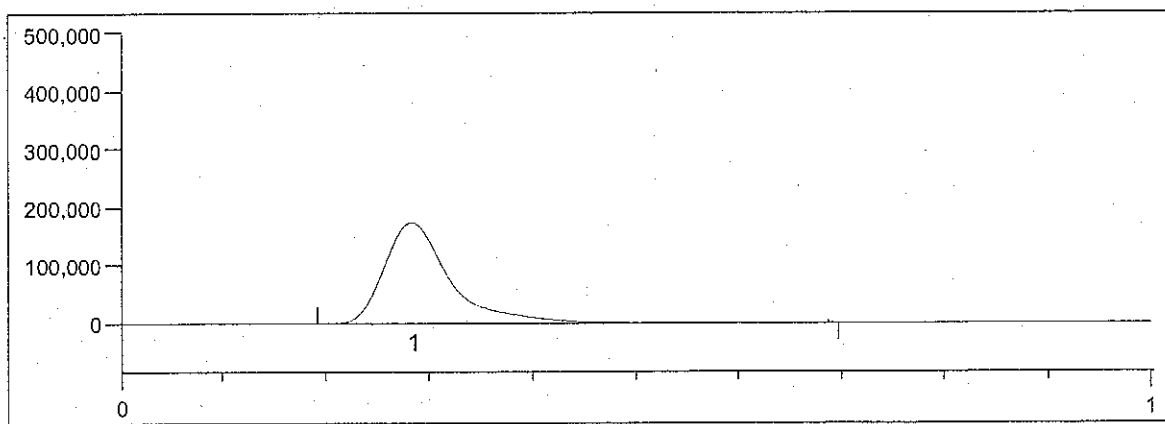


Date: 11/20/06
Time: 10:24 AM

Peak	rt	Area
1	0.26	2,961,935

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	STD	10 ng Cal		1	2,961,935	10.3		103	75-125	accept

Notes



Date: 11/20/06
Time: 10:31 AM

Peak	rt	Area
1	0.28	7,823,805

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	STD	30 ng Cal		1	7,823,805	27.3		90.9	75-125	accept

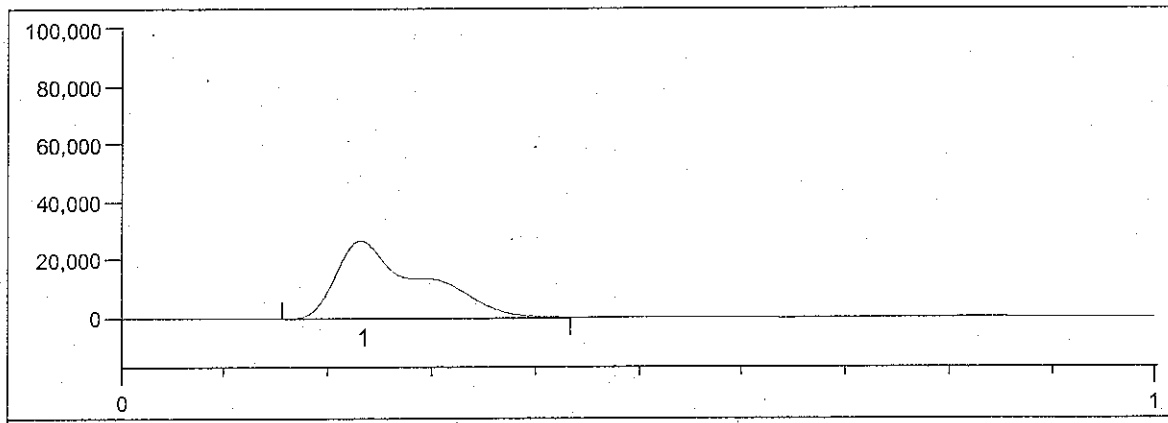
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

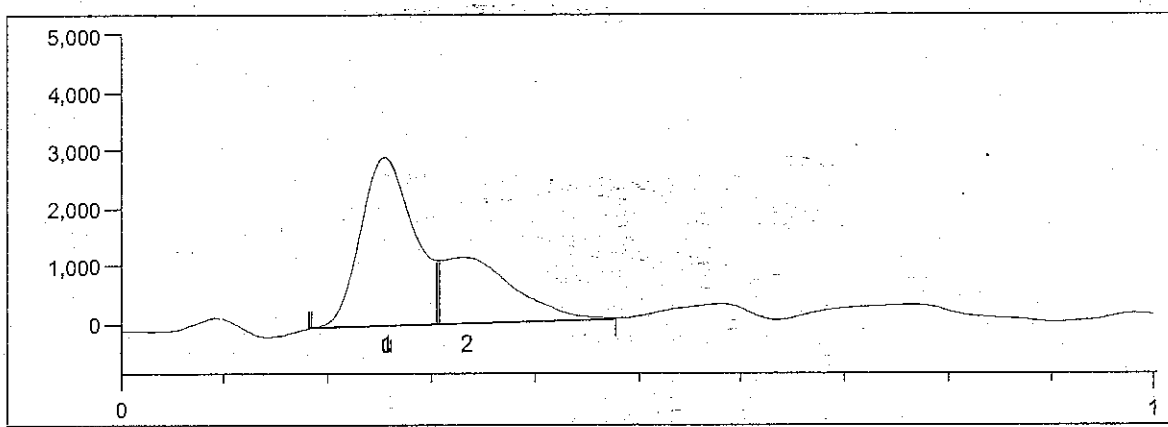


Date: 11/20/06
Time: 10:37 AM

Peak	rt	Area
1	0.23	1,527,686

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	QCS	ICV		1	1,527,686	5.33		107	70-130	accept

Notes

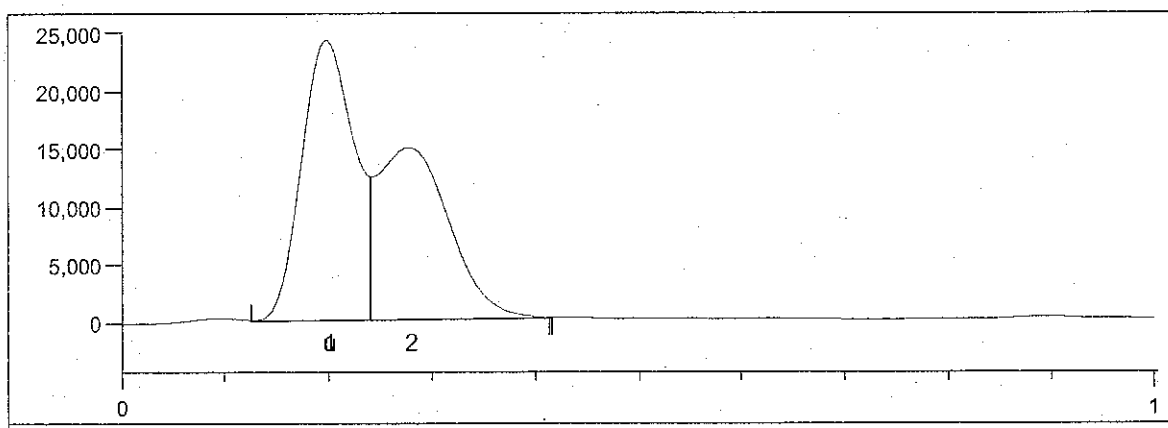


Date: 11/20/06
Time: 10:43 AM

Peak	rt	Area
1	0.25	108,693
2	0.33	51,906
u	0.25	161,136

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	STD	0.5 ng Cal		u	161,136	0.562		112	75-125	accept

Notes



Date: 11/20/06
Time: 10:51 AM

Peak	rt	Area
1	0.20	880,629
2	0.28	683,476
u	0.19	1,564,017

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	OPR	CCV		u	1,564,017	5.45		109	70-130	accept

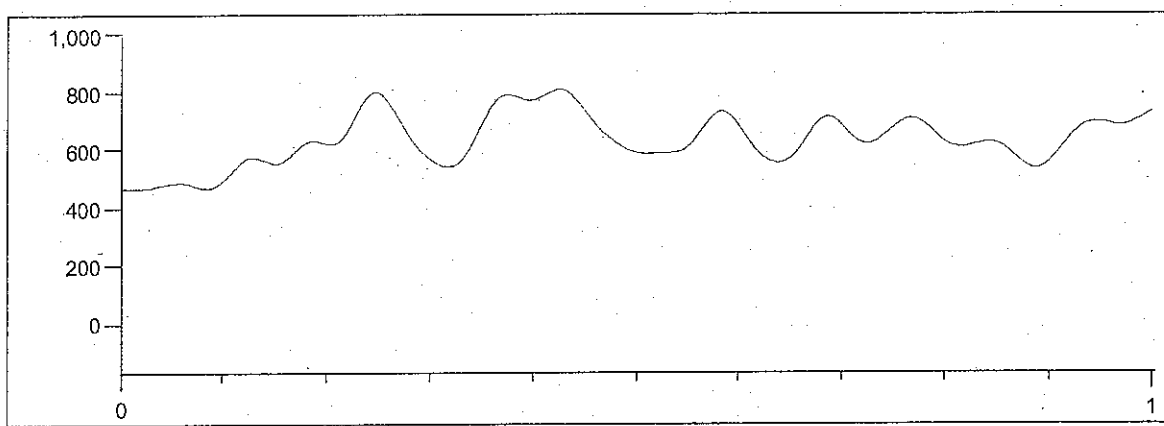
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

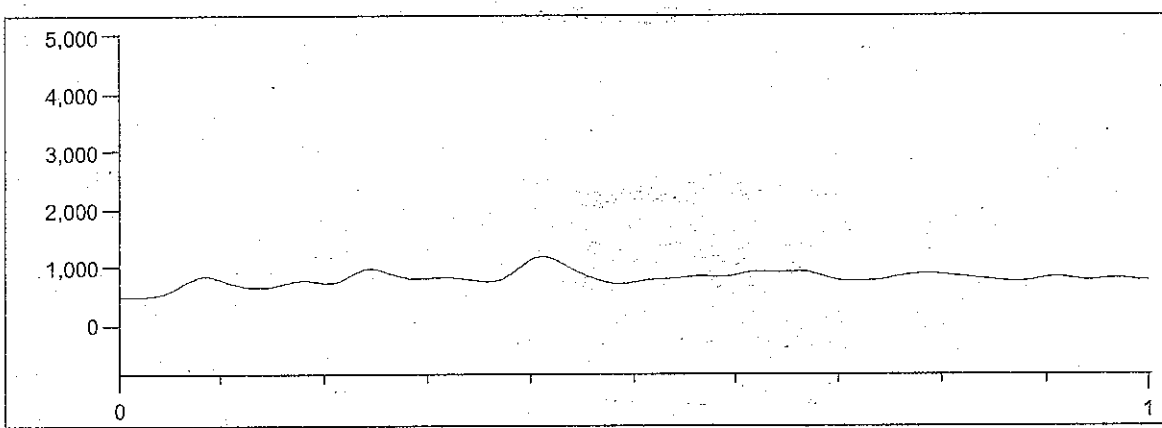


Date: 11/20/06
Time: 10:59 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	CCB	CCB			0	0.00		0.00	< 0.15	accept

Notes

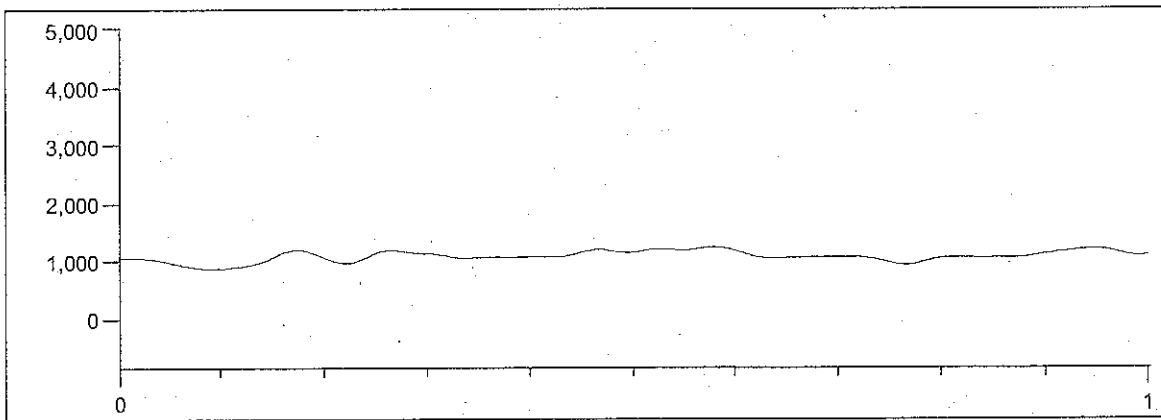


Date: 11/20/06
Time: 11:06 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	MBA	MB-1			0	0.00	0.00	0.00	< 0.06	accept

Notes



Date: 11/20/06
Time: 11:14 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	MBA	MB-2			0	0.00	0.00	0.00	< 0.06	accept

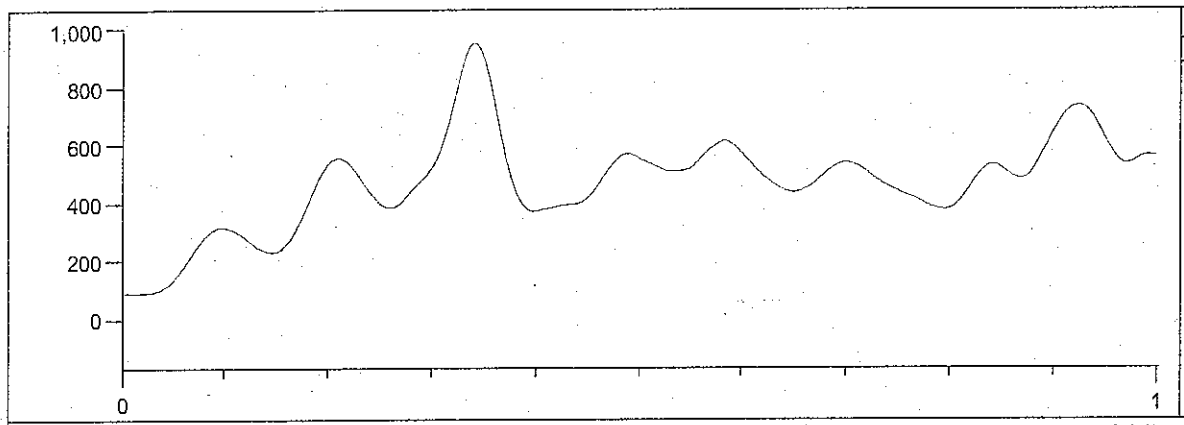
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

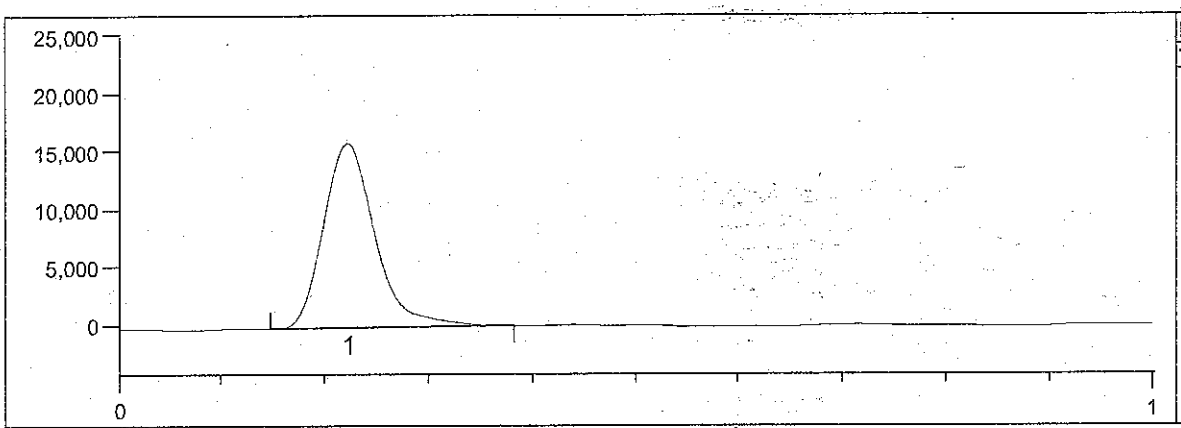


Date: 11/20/06
Time: 11:21 AM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	MBA	MB-3			0	0.00	0.00	0.00	< 0.06	accept

Notes

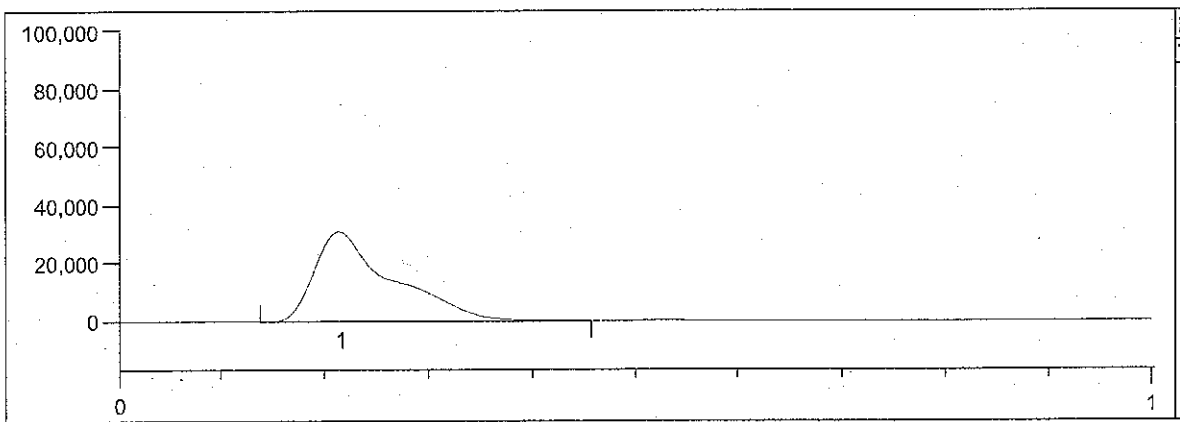


Date: 11/20/06
Time: 11:36 AM

Peak	rt	Area
1	0.22	565,392

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	QCS	LFB-1	MBA	1	565,392	1.97	0.0394	19.7	70-130	reject

Notes



Date: 11/20/06
Time: 11:44 AM

Peak	rt	Area
1	0.21	1,671,865

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	QCS	LFB-2	MBA	1	1,671,865	5.83	4.66	93.2	70-130	accept

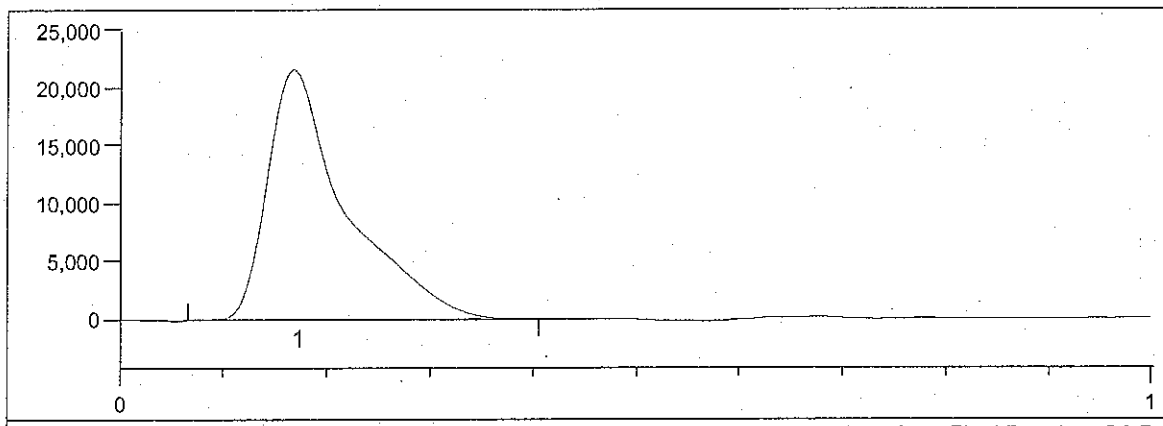
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

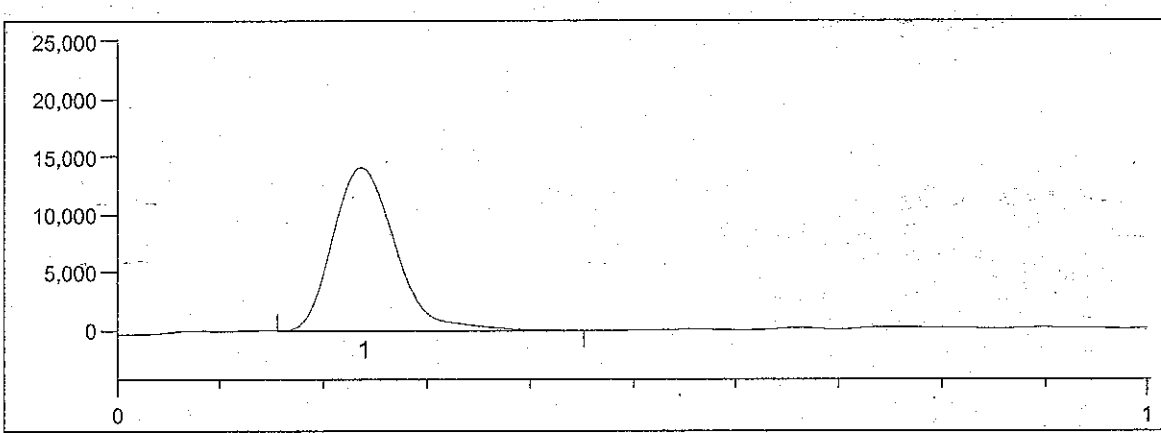
Date Analyzed: 11/20/06
Analyst Name: BZ/MP



Date: 11/20/06
Time: 11:58 AM

Peak	rt	Area
1	0.16	1,151,615

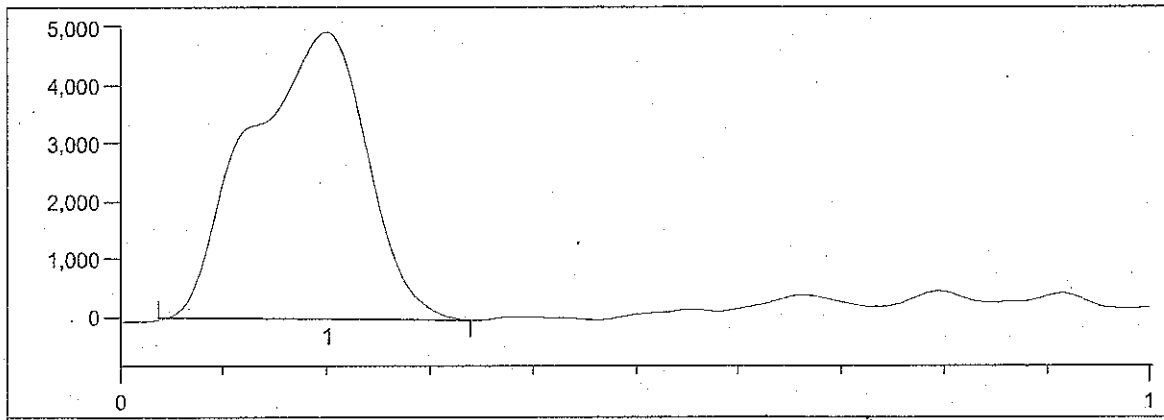
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	QCS	LFB-1R	MBA	1	1,151,615	4.01	0.0803	40.1	70-130	reject
Notes										



Date: 11/20/06
Time: 12:10 PM

Peak	rt	Area
1	0.23	595,394

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	S	0BBR1730-21	MBA	1	595,394	2.08	0.202		< HS	accept
Notes										



Date: 11/20/06
Time: 12:22 PM

Peak	rt	Area
1	0.20	398,486

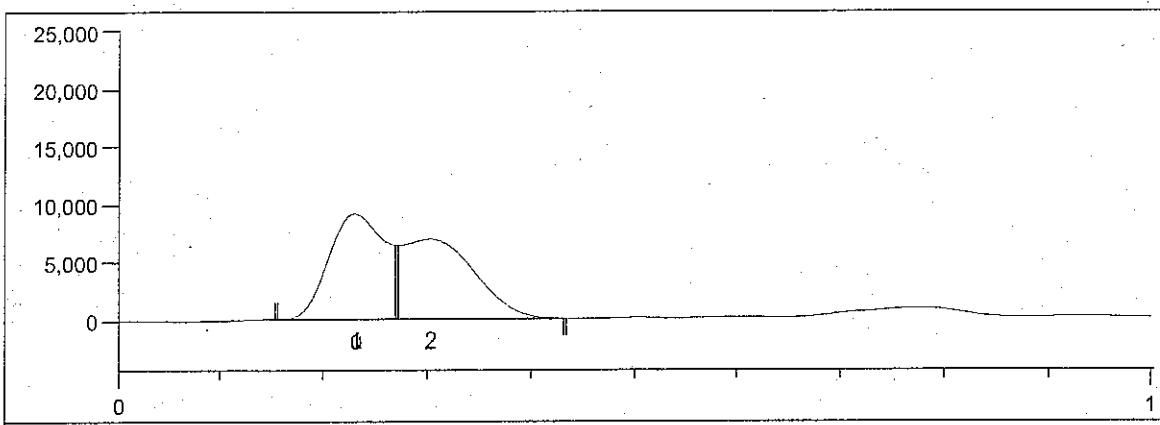
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	S	0BBR1730-22x	MBA	1	398,486	1.39	1.09		< HS	reject
Notes										

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

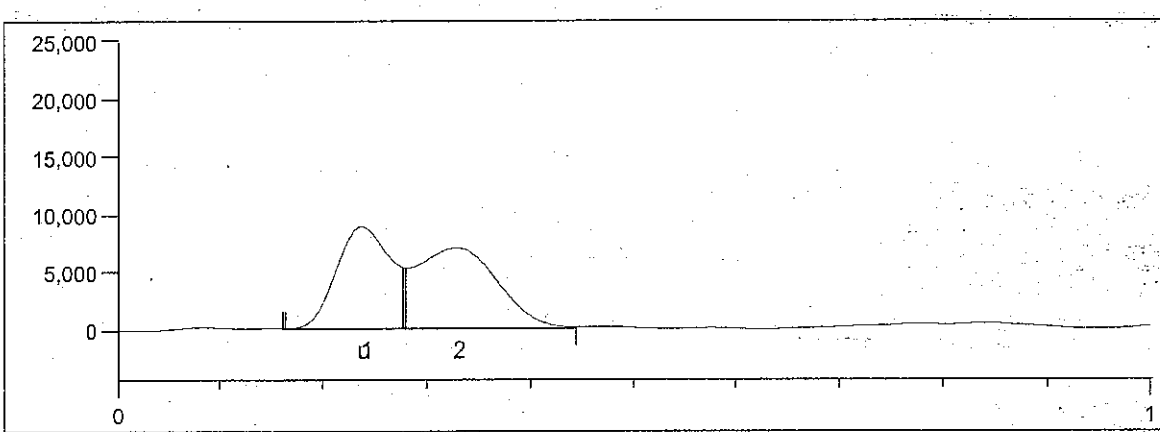


Date: 11/20/06
Time: 12:31 PM

Peak	rt	Area
1	0.23	357,448
2	0.30	320,151
u	0.23	677,649

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	S	0BBR1730-22	MBA	u	677,649	2.36	1.86		< HS	accept

Notes

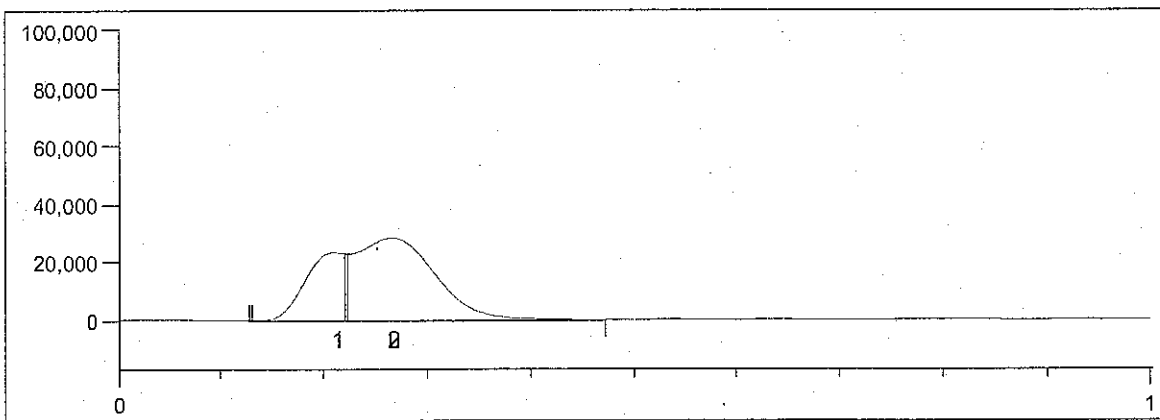


Date: 11/20/06
Time: 12:40 PM

Peak	rt	Area
1	0.24	331,285
2	0.32	358,863
u	0.23	690,269

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	MD	0BBR1730-22	MBA	u	690,269	2.41	1.88	1.26	< 35	accept

Notes



Date: 11/20/06
Time: 12:52 PM

Peak	rt	Area
1	0.21	657,815
2	0.26	1,502,701
u	0.26	2,160,220

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	MS	0BBR1730-22	MBA	u	2,160,220	7.53	5.89	82.5	50-150	accept

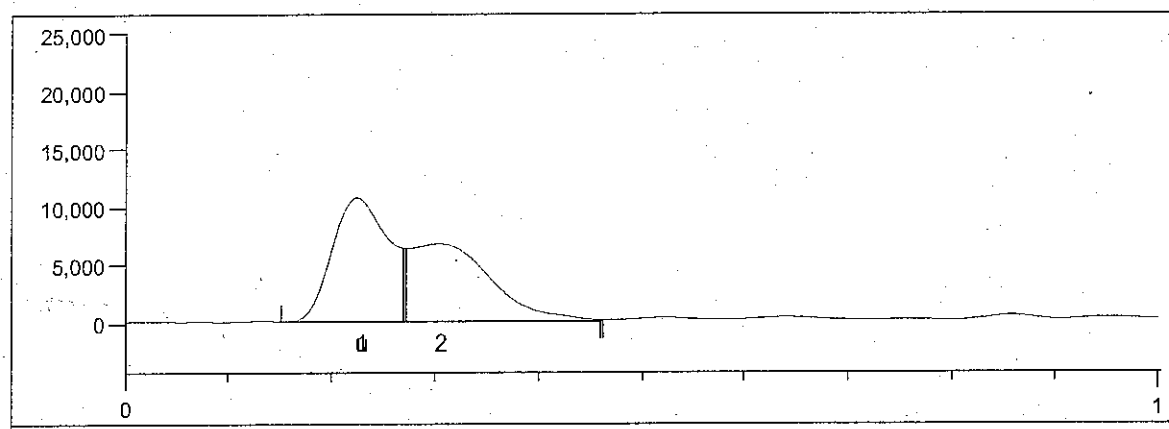
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

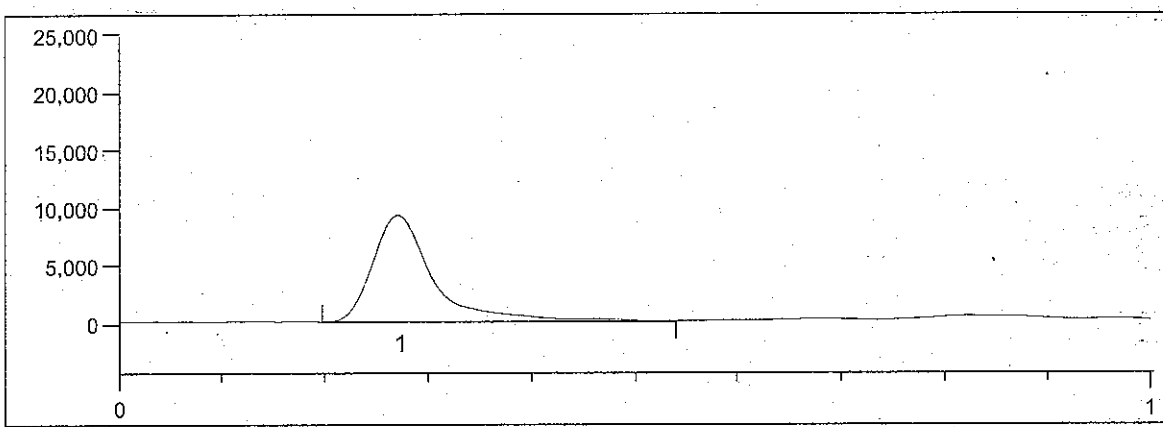
Date Analyzed: 11/20/06
Analyst Name: BZ/MP



Date: 11/20/06
Time: 1:02 PM

Peak	rt	Area
1	0.22	418,250
2	0.30	346,093
u	0.22	763,810

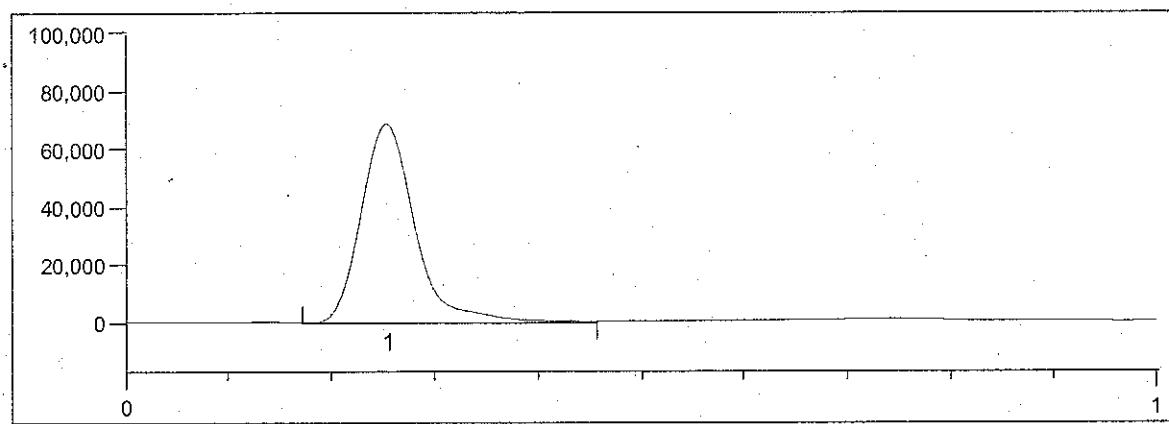
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	MSD	0BBR1730-22x	MBA	u	763,810	2.66	2.12	0.00	50-150	reject
Notes										



Date: 11/20/06
Time: 1:28 PM

Peak	rt	Area
1	0.27	373,131

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	MSD	06BR1730-22x	MBA	1	373,131	1.30	1.04	0.00	50-150	reject
Notes										



Date: 11/20/06
Time: 1:34 PM

Peak	rt	Area
1	0.25	2,477,037

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	MSD	06BR1730-22	MBA	1	2,477,037	8.63	6.88	0.00	50-150	reject
Notes										

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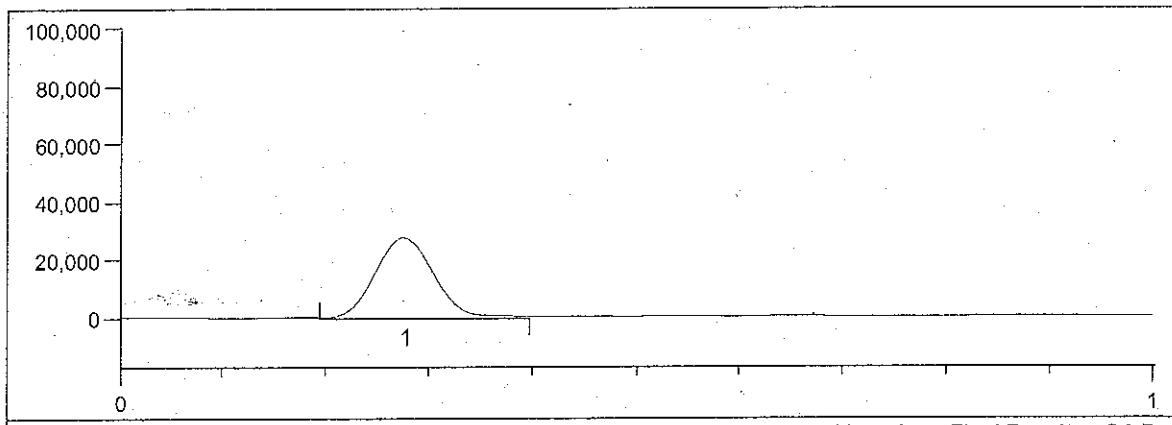
Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

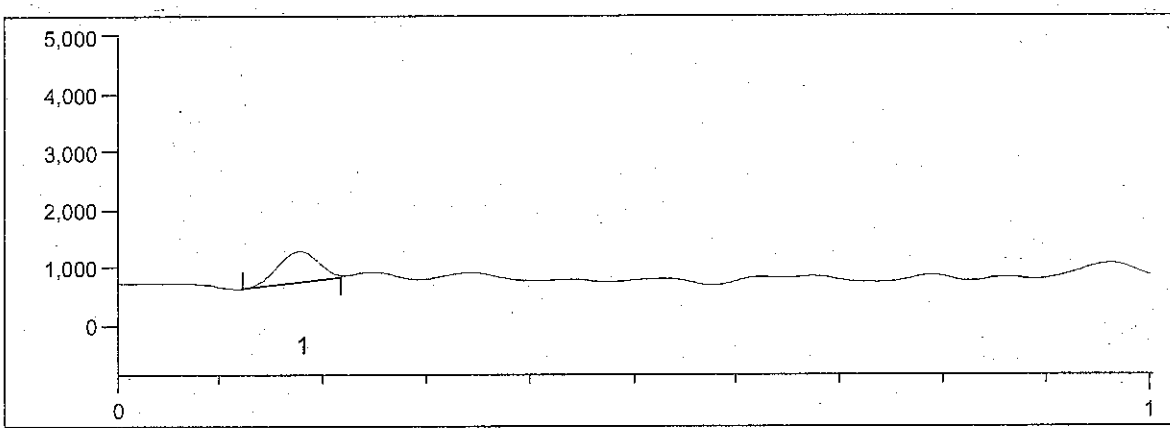
Date Analyzed: 11/20/06
Analyst Name: BZ/MP



Date: 11/20/06
Time: 1:44 PM

Peak	rt	Area
1	0.27	1,054,209

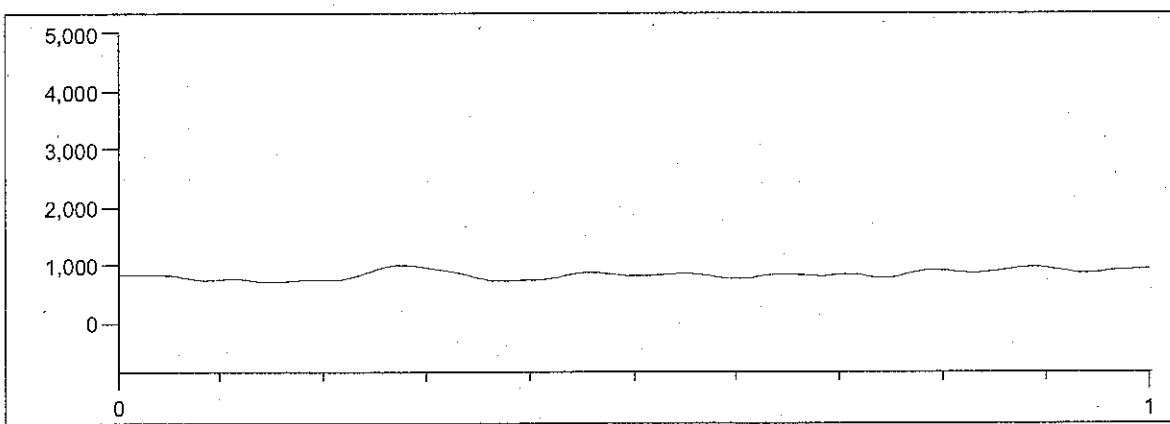
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	QCS	LFB-1R2	MBA	1	1,054,209	3.67	0.0735	36.7	70-130	reject
Notes										



Date: 11/20/06
Time: 1:51 PM

Peak	rt	Area
1	0.17	14,074

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	S	06BR1730-23	MBA	1	14,074	0.0491	0.000490		< HS	accept
Notes										



Date: 11/20/06
Time: 1:58 PM

Peak	rt	Area

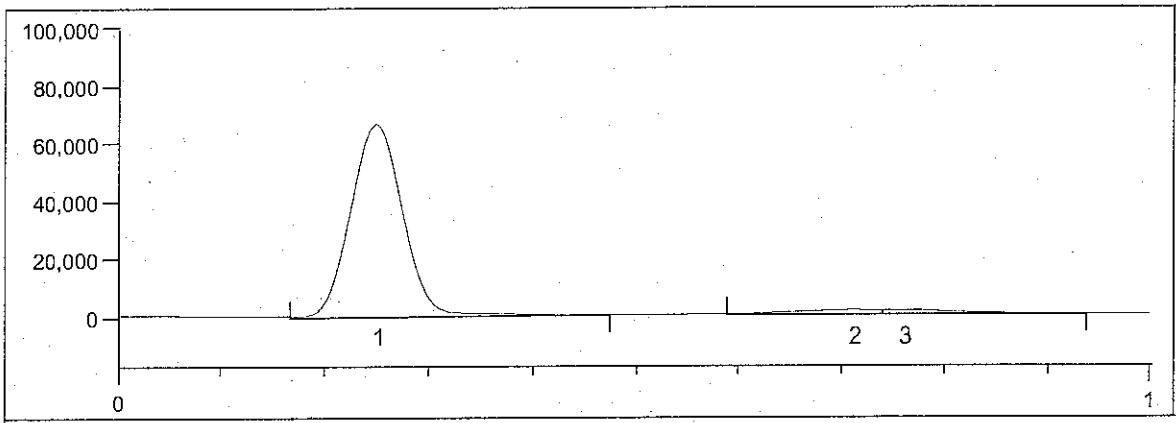
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	S	0BBR1730-24	MBA		0	0.00	0.00		< HS	accept
Notes										

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

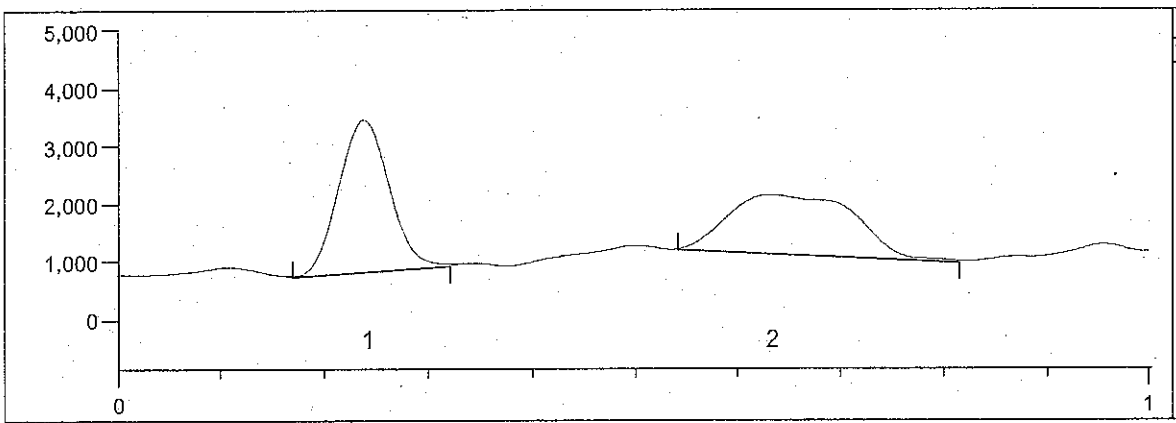
Date Analyzed: 11/20/06
Analyst Name: BZ/MP



Date: 11/20/06
Time: 2:05 PM

Peak	rt	Area
1	0.25	2,305,283
2	0.71	79,029
3	0.76	66,351

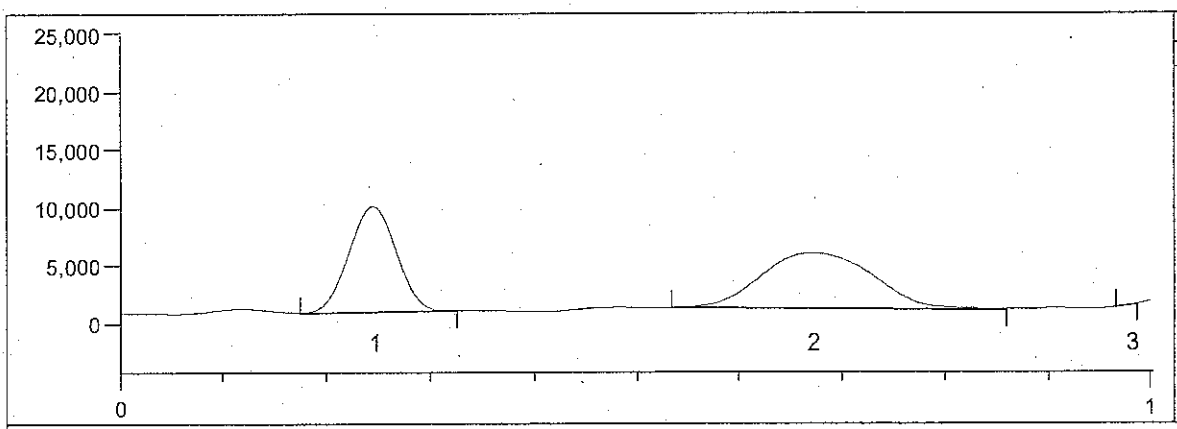
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	S	06BR1745-01	MBA	1	2,305,283	8.04	0.0794		< HS	accept
Notes										



Date: 11/20/06
Time: 2:10 PM

Peak	rt	Area
1	0.24	87,750
2	0.63	83,776

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	S	06BR1745-02	MBA	1	87,750	0.306	0.00297		< HS	accept
Notes										



Date: 11/20/06
Time: 2:16 PM

Peak	rt	Area
1	0.24	291,816
2	0.67	357,119
3	0.98	-159

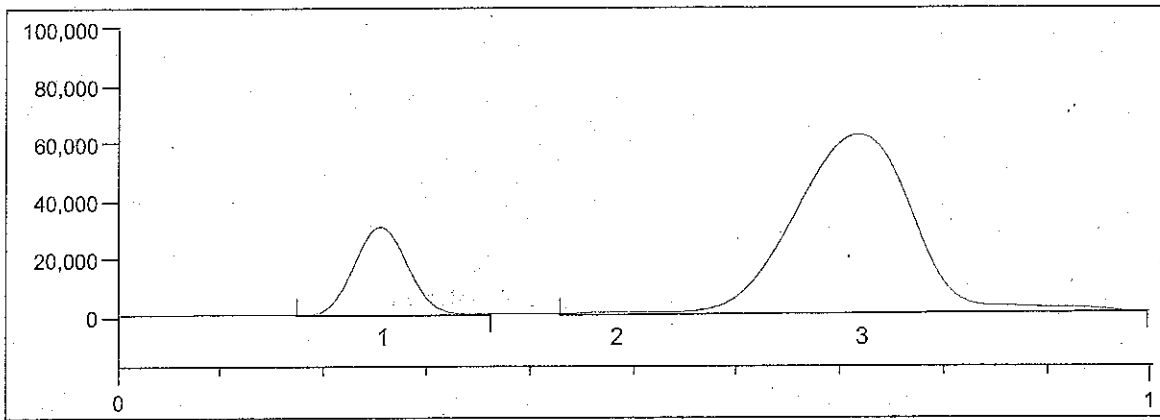
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	S	06BR1745-03	MBA	1	291,816	1.02	0.00997		< HS	accept
Notes										

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

Date Analyzed: 11/20/06
Analyst Name: BZ/MP

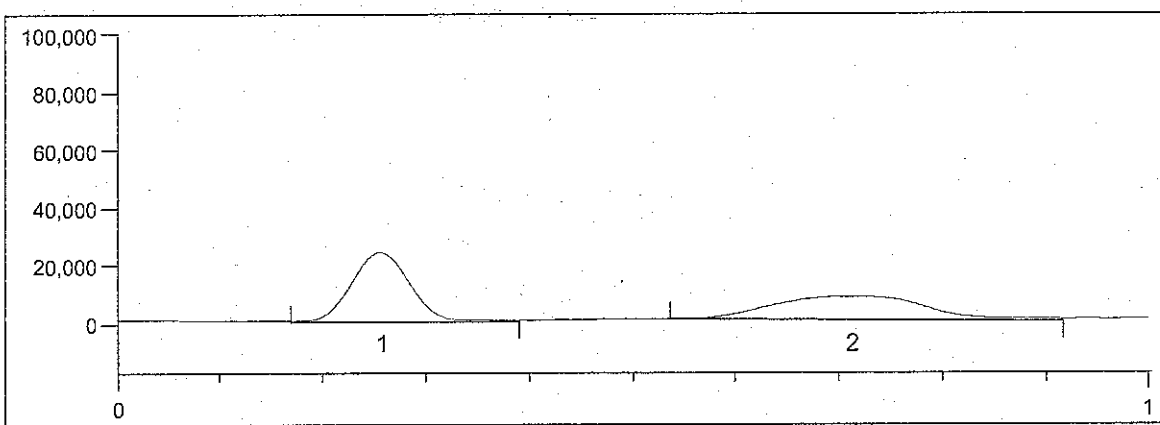


Date: 11/20/06
Time: 2:21 PM

Peak	rt	Area
1	0.25	1,091,591
2	0.48	18,247
3	0.72	4,833,536

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	S	06BR1745-04	MBA	1	1,091,591	3.81	0.0372		< HS	accept

Notes

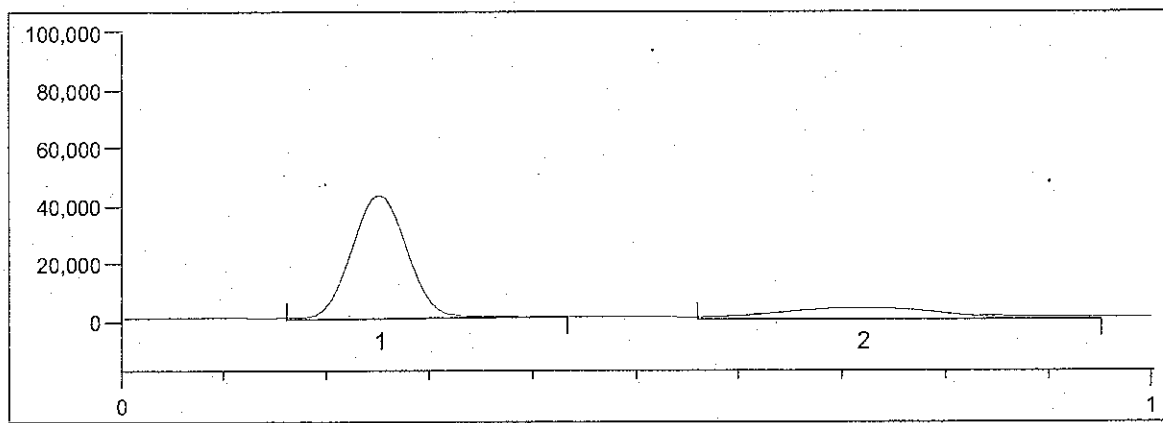


Date: 11/20/06
Time: 2:35 PM

Peak	rt	Area
1	0.25	905,181
2	0.71	744,816

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
35	MD	06BR1745-04	MBA	1	905,181	3.16	0.0317	16.1	< 35	accept

Notes



Date: 11/20/06
Time: 2:45 PM

Peak	rt	Area
1	0.25	1,584,880
2	0.72	289,608

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
36	MS	06BR1745-04	MBA	1	1,584,880	5.52	0.217	91.5	50-150	accept

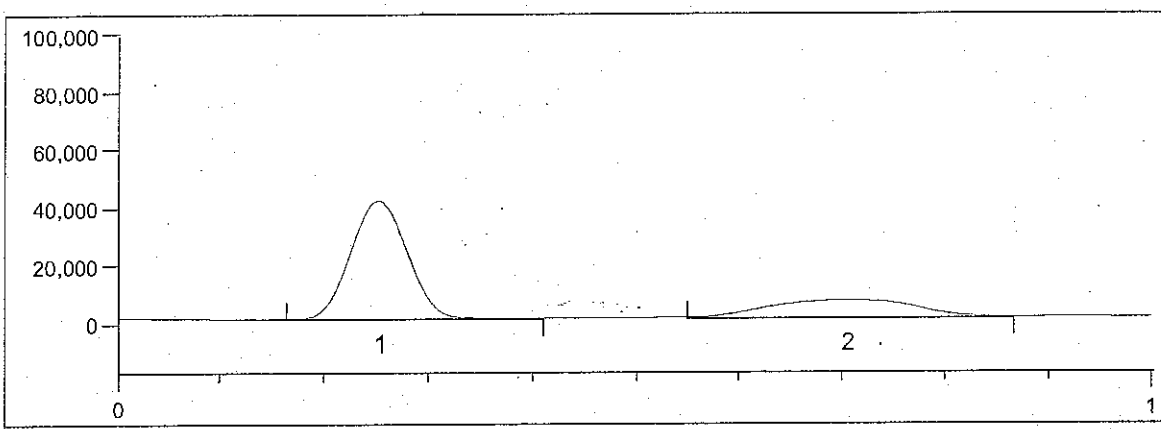
Notes

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

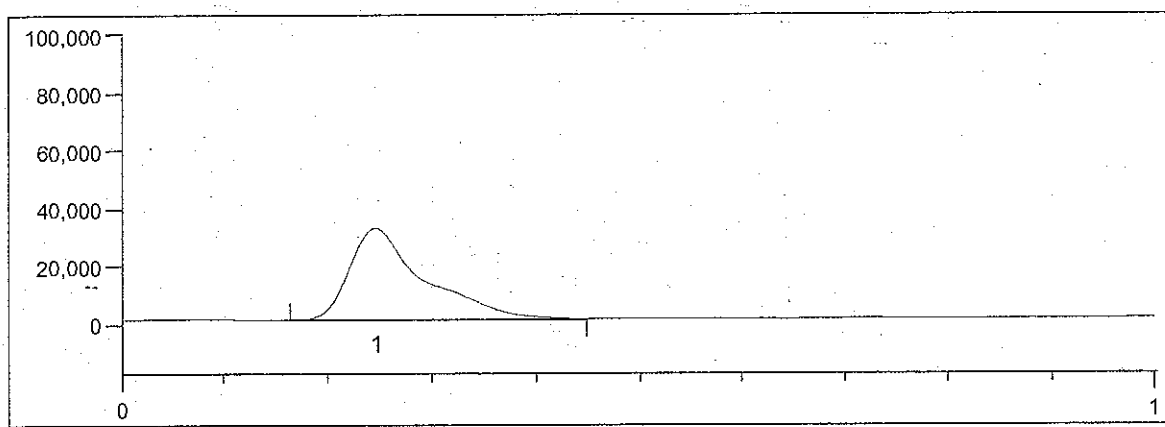
Date Analyzed: 11/20/06
Analyst Name: BZ/MP



Date: 11/20/06
Time: 2:57 PM

Peak	rt	Area
1	0.25	1,550,262
2	0.70	545,109

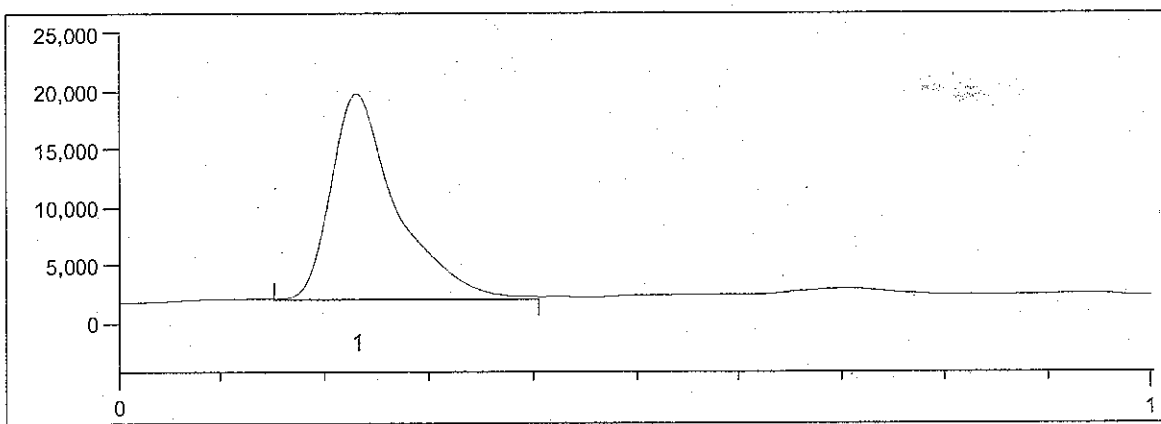
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
37	MSD	06BR1745-04	MBA	1	1,550,262	5.40	0.214	89.5	50-150	accept
Notes										



Date: 11/20/06
Time: 3:02 PM

Peak	rt	Area
1	0.24	1,562,838

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
38	OPR	CCV		1	1,562,838	5.45		109	70-130	accept
Notes										



Date: 11/20/06
Time: 3:17 PM

Peak	rt	Area
1	0.23	766,887

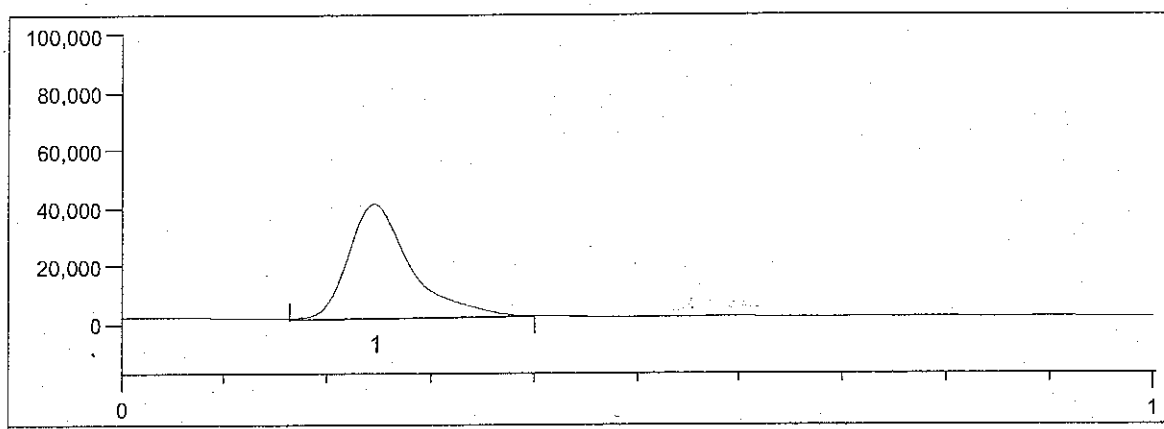
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
39	MD	0BBR1730-22	MBA	1	766,887	2.67	2.09	11.8	< 35	accept
Notes										

Peak Report

Batch Number: 06-1016-2
Method Number: BR-0021

Project Number(s): COL048, MWL001
Instrument ID: HGAA2

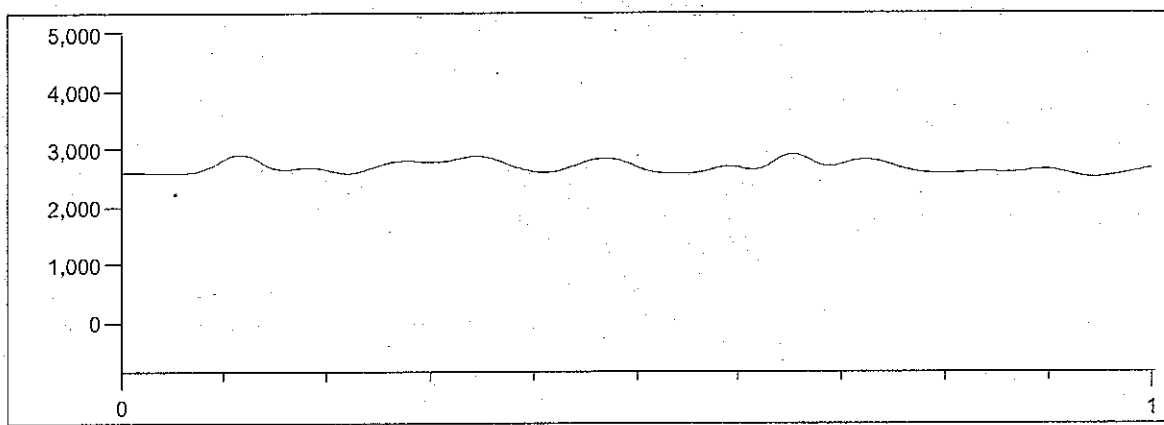
Date Analyzed: 11/20/06
Analyst Name: BZ/MP



Date: 11/20/06
Time: 3:29 PM

Peak	rt	Area
1	0.24	1,621,362

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
40	OPR	CCV		1	1,621,362	5.65		113	70-130	accept
Notes										



Date: 11/20/06
Time: 3:35 PM

Peak	rt	Area

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
41	CCB	CCB			0	0.00		0.00	< 0.15	accept
Notes										

QUALITY ASSURANCE SUMMARY

BROOKSRAND
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW
Seattle, WA 98107
Voice: 206-632-6206
Fax: 206-632-6017

Batch #: **06-1023** ***Method #:*** **EPA 160.3**

Analyte: **% Solids** ***Matrix:*** **Biota (Clams)**

PRECISION *Criteria: RPD<15% or +/-2xPQL if results <5xPQL*
Method Duplicate Analysis (MD)

Sample ID	*Sample Value % Solids*	*Duplicate Value % Solids*	*Average Value % Solids*	*RPD*
06BR1745-04	15.86	15.56	15.71	2%

Method Blanks (MB)
Criteria: < MDL or < 1/10th sample

MB1 % Solids	*MB2 % Solids*	*Average % Solids*	*StDev % Solids*
0.00	0.00	0.00	0.00

Detection Limits	
MDL % Solids	*PQL % Solids*
0.30	1.00

Note: MDL/PQL is based on representative weight used in the analysis of the samples.

Jenny Fry 11/20/06
Quality Assurance Officer

Elizabeth Mabrito 11/30/06
Project Manager

Batch:	06-1023		Analyte:	%TS		Date:	11/19/06			
Analyst:	MP		Matrix:	Biota						
Tracking #	Sample ID	Dish ID	Tare Wt. (g)	Gross Wet Wt. (g)	Gross Dry Wt. (g)	Net Wet Wt. (g)	Net Dry Wt. (g)	Dry Wt. %		Comments
MB-1			1.024		1.025		0.001	0.00		
MB-2			1.040		1.040		0.000	0.00		
06BR1745	01		1.030	2.371	1.167	1.341	0.137	10.22		
06BR1745	02		1.021	2.388	1.306	1.367	0.285	20.85		
06BR1745	03		0.986	2.558	1.286	1.572	0.300	19.08		
06BR1745	04		0.991	2.183	1.180	1.192	0.189	15.86		
06BR1745	04MD		0.997	2.520	1.234	1.523	0.237	15.56	15.71	= MD Avg
									2%	= MD RPD
									1	= Rep. Wt.

Dry Weight Determination Bench Sheet

Batch #: 06 - 1023 Performed by: MP

Sample ID #	Dish # (if diff. from Sample ID)	Tare Wt. (g)	Gross Wet Wt. (g)	Initial Gross Dry Wt. (g)	Verification Gross Dry Wt. #1 (g)	Verification Gross Dry Wt. #2 (g)
MB-1		1.024	–	1.025	1.025	
MB-2		1.040	–	1.040	1.041	
06BR1745-01		1.030	2.371	1.167~~0~~ MP	1.166	
-02		1.021	2.388	1.306	1.305	
-03		0.986	2.558	1.286	1.284	
-04		0.991	2.183	1.180	1.180	
-04 MD		0.997	2.520	1.234	1.233	

JLF 11/20/06

Scale ID PL363 Oven ID BR03

1) Time/Date in 11/19/06 @ 1215 Oven temp 85 °C Time/Date out 11/20/06 @ 830 Oven temp 85 °C

2) Time/Date in 11/20/06 @ 840 Oven temp 85 °C Time/Date out 11/20/06 @ 1400 Oven temp 85 °C

3) Time/Date in _____ Oven temp _____ °C Time/Date out _____ Oven temp _____ °C (if necessary)

BROOKSRAND
TRACE METALS ANALYSIS & PRODUCTS

3958 6th Avenue NW
Seattle, WA 98107
www.brooksrand.com

Phone: 206-632-6206
Fax: 206-632-6017
Email: brl@brooksrand.com

Sample Receiving Log

Tracking # **06BR1745**

Customer: Columbia Analytical Services
Contact: Loan Vo
Project Ref. #: COL048

BRL Project Manager: Elizabeth Madonick

QA Level: Full

Sample Condition: Intact
Shipping container intact?: Yes

Shipping container type: Cooler
Shipping container temp: 0.4 °C
Shipping container coolant: Blue ice

Sample Turnaround Time:
Contract Turnaround Time: 28 days

Due Date: 11/28/2006
Receiving Date: 10/31/2006
Receiving Time: 1:26 PM

Logged-in by: Nicole Mead
Log-in Date: 10/31/2006
Log-in Time: 5:25 PM

Airbill present?: Yes
Airbill #: 1Z9736591346636802
Courier: UPS

Custody seal present?: Yes
Custody seal intact?: Yes
COC Present?: Yes
COC/Sample tag agree?: Yes

COC Number: N/A
Subcontract or PO Number: Not Provided

Comments:

Lab ID:

01

Sample Tag #: SCTISS29
Collection Date/Time: 09/28/06, 11:00:00 AM
ContainerType and Lot #: Glass jar,
Size: 4 oz.

Matrix/Sub-Matrix: Biota, Clams
Preservation: None
Acid Lot#:
pH:
Filtered?: No
Sample Storage Location: Freezer #4

Comments:

Analysis / Method:	% Solids	EPA 160.3
Analysis / Method:	As(III)	EPA 1632 (HGAA)
Analysis / Method:	As(Inorganic)	EPA 1632 (HGAA)
Analysis / Method:	As(V)	EPA 1632 (HGAA)

02

Sample Tag #: SCTIBC32a
Collection Date/Time: 10/05/06, 5:35:00 PM
ContainerType and Lot #: Glass jar,
Size: 4 oz.

Matrix/Sub-Matrix: Biota, Clams
Preservation: None
Acid Lot#:
pH:
Filtered?: No
Sample Storage Location: Freezer #4

Comments:

Analysis / Method:	% Solids	EPA 160.3
Analysis / Method:	As(III)	EPA 1632 (HGAA)
Analysis / Method:	As(Inorganic)	EPA 1632 (HGAA)
Analysis / Method:	As(V)	EPA 1632 (HGAA)

03

Sample Tag #:	SCTIBC33	Matrix/Sub-Matrix:	Biota, Clams
Collection Date/Time:	10/05/06, 5:00:00 PM	Preservation:	None
ContainerType and Lot #:	Glass jar,	Acid Lot#:	
Size:	4 oz.	pH:	Filtered?: No
		Sample Storage Location:	Freezer #4

Comments:

Analysis / Method:	% Solids	EPA 160.3
Analysis / Method:	As(III)	EPA 1632 (HGAA)
Analysis / Method:	As(Inorganic)	EPA 1632 (HGAA)
Analysis / Method:	As(V)	EPA 1632 (HGAA)

04

Sample Tag #:	SCTIBC36	Matrix/Sub-Matrix:	Biota, Clams
Collection Date/Time:	10/06/06, 6:35:00 PM	Preservation:	None
ContainerType and Lot #:	Glass jar,	Acid Lot#:	
Size:	4 oz.	pH:	Filtered?: No
		Sample Storage Location:	Freezer #4

Comments:

Analysis / Method:	% Solids	EPA 160.3
Analysis / Method:	As(III)	EPA 1632 (HGAA)
Analysis / Method:	As(Inorganic)	EPA 1632 (HGAA)
Analysis / Method:	As(V)	EPA 1632 (HGAA)

Nicole C. Mead 10/31/06
Sample Custodian signature Date

Amy Dindle 11/2/06.
Reviewed By signature Date

Company:
Bill to: P.O. Box 479
Kelso, WA 98626

PURCHASE REQUEST/ORDER

☐ THIS IS A RUSH ORDER - PLEASE EXPEDITE

Purchase Order #: K06D8915
EAR #:
(Required for all fixed asset purchases)

Today's Date: 10/30/06 ☐ RUSH--AM Delivery
Date Needed: RTAT ☐ RUSH--PM Delivery
(Regular turnaround is 14 days)

Order Desk:
Date Ordered:
By:
Ship Date:
Ship Method:
Terms:
Order Ref #:
Taxable Purchase?: ☐ Yes ☐ No
Comments:

Page ____ of ____
Location: Kelso
Dept: SMO
Category:
Additional chargeout instructions:

Vendor Name: Brooks Rand
Address:
Telephone:
Fax:

Requested by: Loan Vo Phd #3081
(Type full name and telephone extension number)
Approved by:
(Proper approval is required on all purchases)

(Complete if different from location selected above)
Ship to:

Special Instructions:

Date Rec'd	Qty	U/M	Vendor Item Number	Item Description	Catalog Price	Request Total	Our Cost	Extended Cost
	4		TISSUE			-		
						-		
						-		
						-		
						-		
						-		
						-		
						-		
						-		
						-		
				Order Total		-		

Brooks Rand Report #06BR1745

B - 627

- 53 -

G:\Group\Forms\PurchaseRequestForm082520041

Revised Dec-2002

Columbia Analytical Services, Inc. Chain of Custody

1317 South 13th Avenue • Kelso, WA 98626 • 360-577-7222 • FAX 360-636-1068

CAS Contact: Loan Vo, Ph.D.

LV 10/16/06

Project Number: K0608915
Project Manager: Loan Vo, Ph.D.

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	MISC_OUT_1 None
K0608915-001	SCTISS29	1	Animal Tissue	09/28/06	1100	Brooks Rand	X
K0608915-002	SCTIBC32a	1	Animal Tissue	10/05/06	1735	Brooks Rand	X
K0608915-004	SCTIBC33	1	Animal Tissue	10/05/06	1700	Brooks Rand	X
K0608915-007	SCTIBC36	1	Animal Tissue	10/06/06	1835	Brooks Rand	X

Test Comments

MISC_OUT_1 - None K0608915-001,2,4,7 Sub to Brooks Rand. By pH adjusted extraction with hydride analysis Inorg As is quantified as total inorg As and As3+; As5+ is determined by subtraction

628

B - 628

Special Instructions/Comments	Turnaround Requirements	Report Requirements	Invoice Information
	____RUSH (Surcharges Apply) PLEASE CIRCLE WORK DAYS 1 2 3 4 5 ____ STANDARD Requested FAX Date: _____ Requested Report Date: 11/11/06	____ I. Results Only ____ II. Results + QC Summaries ____ III. Results + QC and Calibration Summaries ____ IV. Data Validation Report with Raw Data PQL/MDL/J Y EDD Y URS Corporation	PO# K0608915 Bill to

Brooks Rand Report #06BR1745

Relinquished By: Amanda Jewell 10/20/06 1200 CAS/Kelso

Received By: _____

Airbill Number: _____

1317 South 13th Avenue P.O. Box 479 Kelso, Washington 98626 (360) 577-7222 (360) 636-1068 fax

Columbia Analytical Services INC.
An Employee - Owned Company

December 18, 2006 Service Request No: K0608882

Elsie King
URS Corporation
2700 Gambell Street
Suite 200
Anchorage, AK 99503

RE: Alaska Salt Chuck Mine/26219784

Dear Elsie:

Enclosed are the results of the sample(s) submitted to our laboratory on October 13, 2006. For your reference, these analyses have been assigned our service request number K0608882.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAC standards. Exceptions are noted in the case narrative report where applicable. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report.

Please call if you have any questions. My extension is 3281. You may also contact me via Email at LVo@kelso.caslab.com.

Respectfully submitted,

Columbia Analytical Services, Inc.

Loan Vo, Ph.D.
Project Chemist

LV/lmb

NELAP Accredited ACIL Seal of Excellence Award 100% Recycled

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Inorganic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a matrix interference.
X	See case narrative.

Metals Data Qualifiers

#	The control limit criteria is not applicable. See case narrative.
B	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
E	The percent difference for the serial dilution was greater than 10%, indicating a possible matrix interference in the sample.
M	The duplicate injection precision was not met.
N	The Matrix Spike sample recovery is not within control limits. See case narrative.
S	The reported value was determined by the Method of Standard Additions (MSA).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
W	The post-digestion spike for furnace AA analysis is out of control limits, while sample absorbance is less than 50% of spike absorbance.
i	The MRL/MDL has been elevated due to a matrix interference.
X	Sec case narrative.
*	The duplicate analysis not within control limits. See case narrative.
+	The correlation coefficient for the MSA is less than 0.995.

Organic Data Qualifiers

*	The result is an outlier. See case narrative.
#	The control limit criteria is not applicable. See case narrative.
A	A tentatively identified compound, a suspected aldol-condensation product.
B	The analyte was found in the associated method blank at a level that is significant relative to the sample result.
C	The analyte was qualitatively confirmed using GC/MS techniques, pattern recognition, or by comparing to historical data.
D	The reported result is from a dilution.
E	The result is an estimate amount because the value exceeded the instrument calibration range.
J	The result is an estimated concentration that is less than the MRL but greater than or equal to the MDL.
N	The result is presumptive. The analyte was tentatively identified, but a confirmation analysis was not performed.
P	The GC or HPLC confirmation criteria was exceeded. The relative percent difference is greater than 40% between the two analytical results (25% for CLP Pesticides).
U	The compound was analyzed for, but was not detected ("Non-detect") at or above the MRL/MDL.
i	The MRL/MDL has been elevated due to a chromatographic interference.
X	See case narrative.

Additional Petroleum Hydrocarbon Specific Qualifiers

F	The chromatographic fingerprint of the sample matches the elution pattern of the calibration standard.
L	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of lighter molecular weight constituents than the calibration standard.
H	The chromatographic fingerprint of the sample resembles a petroleum product, but the elution pattern indicates the presence of a greater amount of heavier molecular weight constituents than the calibration standard.
O	The chromatographic fingerprint of the sample resembles an oil, but does not match the calibration standard.
Y	The chromatographic fingerprint of the sample resembles a petroleum product eluting in approximately the correct carbon range, but the elution pattern does not match the calibration standard.
Z	The chromatographic fingerprint does not resemble a petroleum product.

Columbia Analytical Services, Inc.
Kelso, WA
State Certifications, Accreditations, and Licenses

Program	Number
Alaska DEC UST	UST-040
Arizona DHS	AZ0339
Arkansas - DEQ	88-0637
California DHS	2286
Colorado DPHE	-
Florida DOH	E87412
Hawaii DOH	-
Idaho DHW	-
Indiana DOH	C-WA-01
Louisiana DEQ	3016
Louisiana DHH	LA050010
Maine DHS	WA0035
Michigan DEQ	9949
Minnesota DOH	053-999-368
Montana DPHHS	CERT0047
Nevada DEP	WA35
New Jersey DEP	WA005
New Mexico ED	-
North Carolina DWQ	605
Oklahoma DEQ	9801
Oregon - DHS	WA200001
South Carolina DHEC	61002
Utah DOH	COLU
Washington DOE	C1203
Wisconsin DNR	998386840
Wyoming (EPA Region 8)	-

MEMBER ACIL

nelac

Case Narrative

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	URS Corporation	**Service Request No.:**	K0608882
Project:	Alaska Salt Chuck Mine	**Date Received:**	10/13/2006
Sample Matrix:	Soil, Sediment, and Water		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier III validation deliverables including summary forms and all of the associated raw data for each of the analyses. When appropriate to the method, method blank results have been reported with each analytical test.

Sample Receipt

Thirteen soil samples, nine sediment samples, and ten water samples were received for analysis at Columbia Analytical Services on 10/13/2006. The samples were received in good condition and consistent with the accompanying chain of custody form. Additional instruction was provided separately on sample analysis. The samples were stored in a refrigerator at 4°C upon receipt at the laboratory.

General Chemistry Parameters

No anomalies associated with the analysis of these samples were observed.

Total and Dissolved Metals

General Comments:
Careful review of the Reductive Precipitation / Inductively Coupled Plasma – Mass Spectroscopy (ICP-MS) data revealed the presence of an unidentified matrix interference which inhibited the Reductive Precipitation reaction mechanism in a number of samples. As a result samples SCSW7, SCSW9, SCSW10, SCSW11, and SCSW12 required analysis by alternative methodologies. Arsenic was analyzed and reported via Hydride Atomic Absorption Spectroscopy (method 7062), Copper via Graphite Furnace Atomic Absorption Spectroscopy (method 7211), and Nickel via Inductively Coupled Plasma Atomic Emission Spectroscopy (method 6010B). Identification of the matrix interference would require lengthy analysis and additional sample volume. No further corrective action was appropriate.

Matrix Spike Recovery Exceptions:
The matrix spike recovery of Mercury for sample SCSS26 9/27 was outside the CAS control criteria as a result of the heterogeneous character of the sample. Since the unspiked sample contained a high analyte concentration relative to the amount spiked, the variability between replicates was sufficient to bias the percent recovery outside normal CAS control criteria. The associated QA/QC results (e.g. duplicate matrix spike, control sample, calibration standards, etc.) indicate the analysis was in control. No further corrective action was appropriate.

No other anomalies associated with the analysis of these samples were observed.

PCB Aroclors by EPA Method 8082

No anomalies associated with the analysis of these samples were observed.

Approved by LJ **Date** 12.18.06

Chain of Custody Documentation

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CHAIN OF CUSTODY

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SR#: 10608882

PAGE 1 OF 2 COC # SCSD1

PROJECT NAME: Salt Chuck EE/CA
PROJECT NUMBER: 26219784
PROJECT MANAGER: Bill LaSkota PE
COMPANY/ADDRESS: URS
2700 Gambell Street
CITY/STATE/ZIP: Anchorage, AK 99503
E-MAIL ADDRESS:
PHONE #: (907) 562-3366 FAX#:
SAMPLER'S SIGNATURE: Mark Vanno

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐	Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐ ☐ Fuel Fingerprint (FIQ) ☐ NW-HCID Screen	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCB's Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081A☐ 8141A☐ 8151A☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	PAHS 8310☐ SIM☐	Metals, Total or Dissolved (See list below)	Cyanide☐	Hex-Chrom☐	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020☐ AOX 1650☐ 506☐					REMARKS	
SCIT6	9/27/06	1108	1	Soil	1									X												16
SCIT7	9/27/06	1125	2	"	1									X												16
SCIT8	9/27	1128	3	"	1									X												16
~~SCIT9~~	~~9/29~~	~~1040~~		~~"~~	~~1~~																					
SCIT10	9/29	1122	4	"	1									X												16
SCSD23	9/30/06	1250	5	"	1									X											As	4
SCSD24	9/30/06	1308	6	"	1									X											As	4
SCSD25	9/30/06	1347	7	"	1									X											As	4
~~SCSD14~~	~~9/30/06~~	~~1425~~		~~Water~~	~~3~~																					

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
___ II. Report Dup., MS, MSD as required
X III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
___ V. EDD

INVOICE INFORMATION
P.O.# 142653 US
Bill To: URS

TURNAROUND REQUIREMENTS
___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results
Requested Report Date

Circle which metals are to be analyzed:
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS: See Project Instructions for Metals

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Mark Vanno	Signature: Elsie M King	Signature: Elsie M King	Signature: [illegible]
Date/Time: 10/4/06 1200	Date/Time: 10/11/06 1200	Date/Time: 10/11/06 ~~1300~~ 1300	Date/Time: 10/13/06 1030
Printed Name: MARK VANNO	Printed Name: Elsie M King	Printed Name: Elsie M King	Printed Name: FRANK ACK
Firm: URS	Firm: URS	Firm: URS	Firm: CAS

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SR#: K0608882

PAGE 2 OF 2 COC # SC501

PROJECT NAME: Salt Chuck EE/CA
PROJECT NUMBER: 28219784
PROJECT MANAGER: Bill Lustofin
COMPANY/ADDRESS: URS
2700 Gambell Street
CITY/STATE/ZIP: Anchorage AK 99503
E-MAIL ADDRESS:
PHONE #: (907) 562-3366 FAX#:
SAMPLER'S SIGNATURE:

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐	Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐ ☐ Fuel Fingerprint (FIQ) ☐ NW-HCID Screen	Oil & Grease/TRPH 1664 HEM☐ 1664 SGT☐	PCB's Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081A☐ 8141A☐ 8151A☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	PAHS 8310☐ SIM☐	Metals, Total or Dissolved (See list below)	Cyanide☐	pH; Cond., Cl, SO_4, PO_4, F, NO_2, NO_3, BOD, TSS, TDS (circle)	Hex-Chrom☐	NH_3-N, COD, Total-P, TKN, TOC, DOC (circle) NO_2+NO_3	TOX 9020☐ AOX 1650☐ 506☐	TCLP metals				REMARKS	
SCUT7	9/27/06	1315	8	Soil	1														X						8
SCSS25	9/27	1340	9	"	1														X						8
SCSS26	9/27	1406	10	"	1									X											16
SCSS26	9/28	0928	11	"	1									X											4
SCSS27	9/27	1425	12	"	2									X											2-4
SCSS27	9/28	0925	13	"	1									X											4
SCSD20	9/28	1043	14	"	1									X											8
SCSD21	9/28	1125	15	"	1									X											8
SCSD22	9/28	1210	16	"	1									X											8
SCSS27	9/27	1425	17	"	1									X											

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
___ II. Report Dup., MS, MSD as required
X III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
___ V. EDD

INVOICE INFORMATION
P.O. # 142653-US
Bill To: URS

TURNAROUND REQUIREMENTS
___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results
___ Requested Report Date

Circle which metals are to be analyzed:
Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg
Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS: See project instructions for metals

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Mark Vania	Signature: Elsie M King	Signature: Elsie M King	Signature: [illegible]
Date/Time: 10/4/06 1200	Date/Time: 10/11/2006 1200	Date/Time: 10/11/2006 1300	Date/Time: 10/13/06 1030
Printed Name: MARK VANIA	Printed Name: Elsie M King	Printed Name: Elsie M King	Printed Name: [illegible]
Firm: URS	Firm: URS	Firm: URS	Firm: CAS

RCOC #1 06/03

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SGS CAS - Kelso

CHAIN OF CUSTODY RECORD
CT&E Environmental Services Inc.
Laboratory Division

Locations Nationwide
- Alaska
- Maryland
- New Jersey
- Hawaii
- Louisiana
- Michigan
- West Virginia

www.sgsenvironmental.com

KC608882

024013

(1)

CLIENT: URS

CONTACT: Bill Loskutoff PHONE NO:(907) 562-3366

PROJECT: Salt Chuck EE/CA SITE/PWSID#:

REPORTS TO: 2700 Gambell Suite 200 Anch AK 99503 FAX NO.:( )

INVOICE TO: URS Seattle QUOTE #

P.O. NUMBER 142653 US

CT&E Reference:

PAGE 1 OF 1

(2)

LAB NO.	SAMPLE IDENTIFICATION	DATE	TIME	MATRIX	No CONTAINERS	SAMPLE TYPE (C= COMP, G= GRAB)	PCB 5480/82	Metals	SPLP-Mod	AVS-SEM						REMARKS
Preservatives Used																
Analysis Required (3)																
17	SCS026	10/4/06	1645	Soil	1	—	X	X								
18	SCS028	10/6/06	1835	Soil	2	—	X	X								
19	SCIT11	9/29/06	1410	Soil	1	—			X							
~~20~~	SCIT11	9/29/06	1410	Water	3	—			X							Use for SPLP
20	SCIT13	10/6/06	1740	Soil	2			X	X	X						
~~22~~	SCIT13	10/6/06	1740	Water	3				X							Use for SPLP

(5)

Collected/Relinquished By:(1)	Date	Time	Received By:
Essie M King	10/11/06	1400	[signature] 10/13/06 1030
Relinquished By: (2)	Date	Time	Received By:
Relinquished By: (3)	Date	Time	Received By:
Relinquished By: (4)	Date	Time	Received By:

(4)

Shipping Carrier:

Shipping Ticket No:

Samples Received Cold? (Circle) YES NO

Temperature °C:

Special Deliverable Requirements: ADEC

Chain of Custody Seal: (Circle) INTACT BROKEN ABSENT

Requested Turnaround Time and Special Instructions: See Project Instr for Metals

CHAIN OF CUSTODY

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An Employee - Owned Company

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SR#: _____

PAGE 1 OF 1 COC # SCSW1

PROJECT NAME: Salt Chuck EE/CA
PROJECT NUMBER: 26219784
PROJECT MANAGER: Bill Lustokuff
COMPANY/ADDRESS: URS
2700 Gambell Street
CITY/STATE/ZIP: Anch. AK 99503
E-MAIL ADDRESS:
PHONE #: (907) 562-3366 FAX#:
SAMPLER'S SIGNATURE: Mark Vania

SAMPLE I.D.	DATE	TIME	LAB I.D.	MATRIX	NUMBER OF CONTAINERS	Semivolatile Organics by GC/MS 625☐ 8270☐ 8270LL☐	Volatile Organics 624☐ 8260☐ 8021☐ BTEX☐	Hydrocarbons (*see below) Gas☐ Diesel☐ Oil☐ ☐ Fuel Fingerprint (FIQ) ☐ NW-HCID Screen	Oil & Grease/TRPH 1664 SGT☐ 1664 HEM☐	PCB's Aroclors☐ Congeners☐	Pesticides/Herbicides 608☐ 8081A☐ 8141A☐ 8151A☐	Chlorophenolics - 8151M Tri☐ Tetra☐ PCP☐	PAHS 8310☐ SIM☐	Metals, Total or Dissolved (See list below)	Cyanide☐ Hex-Chrom☐	pH, Cond., Cl, SO4, PO4, F, NO2, NO3, BOD, TSS, TDS (circle)	NH3-N, COD, Total-P, TKN, TOC, DOC (circle) NO2+NO3	TOX 9020☐ AOX 1650☐ 506☐					REMARKS
SCSW7	9/29/06	0924	21	W	4									X										
SCSW8	9/29/06	1035	22	"	3									X										
SCSW9	9/29/06	1230	23	"	3									X										
SCSW10	9/29/06	1230	24	"	3									X										
SCSW11	9/29/06	1248	25	"	3									X										
SCSW12	9/30/06	1310	26	"	3									X										
SCSW13	10/4/06 9/30/06	~~1347~~ 1750	27	"	3									X										10/4/06 17
SCSW14	9/30/06 10/5/06	1425	28	W	3									X										9/30/06
SCSW15	10/5/06	1710	29	W	3									X										
SCSW16	10/6/06	1823	30	W	3									X										

REPORT REQUIREMENTS

___ I. Routine Report: Method Blank, Surrogate, as required
___ II. Report Dup., MS, MSD as required
X III. Data Validation Report (includes all raw data)
___ IV. CLP Deliverable Report
___ V. EDD

INVOICE INFORMATION
P.O. # 142653 US
Bill To: URS

TURNAROUND REQUIREMENTS
___ 24 hr. ___ 48 hr.
___ 5 Day
X Standard (10-15 working days)
___ Provide FAX Results
Requested Report Date

Circle which metals are to be analyzed:

Total Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

Dissolved Metals: Al As Sb Ba Be B Ca Cd Co Cr Cu Fe Pb Mg Mn Mo Ni K Ag Na Se Sr Tl Sn V Zn Hg

*INDICATE STATE HYDROCARBON PROCEDURE: AK CA WI NORTHWEST OTHER:_____ (CIRCLE ONE)

SPECIAL INSTRUCTIONS/COMMENTS: See Project Instructions for Metals Methods

RELINQUISHED BY:	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:
Signature: Mark Vania — Date/Time: 10/4/06 1200	Signature: [illegible] — Date/Time: 10/3/06 1030	Signature: — Date/Time:	Signature: — Date/Time:
Printed Name: MARK VANIA — Firm: URS	Printed Name: [illegible] — Firm: URS	Printed Name: — Firm:	Printed Name: — Firm:

RCOC #1 06/03

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Columbia Analytical Services Inc.
Cooler Receipt and Preservation Form

PC LOAN

Project/Client URS Service Request K06 0 8882

Cooler received on 10/13/06 and opened on 10/13/06 by

1. Were custody seals on outside of coolers? Y (N)
   If yes, how many and where? —
2. Were custody seals intact? Y N
3. Were signature and date present on the custody seals? Y N
4. Is the shipper's airbill available and filed? If no, record airbill number: 7 9901881716 MPS 8093 9257 2711 Y (N)
5. COC#

Temperature of cooler(s) upon receipt: (°C)	3.9	0.1	0.6	3.6
Temperature Blank: (°C)	1.0	1.0	N/p	2.1

Were samples hand delivered on the same day as collection? ~~Y~~ N

6. Were custody papers properly filled out (ink, signed, etc.)? (Y) N
7. Type of packing material present Bubble, MESH, G-ICE
8. **Did all bottles arrive in good condition (unbroken)?** (Y) N
9. Were all bottle labels complete (i.e analysis, preservation, etc.)? (Y) N
10. Did all bottle labels and tags agree with custody papers? Y (N)
11. **Were the correct types of bottles used for the tests indicated?** (Y) N
12. Were all of the preserved bottles received at the lab with the appropriate pH? ~~Y~~ ~~N~~
13. Were VOA vials checked for absence of air bubbles, and if present, noted below? ~~Y~~ N
14. Were the 1631 Mercury bottles checked for absence of air bubbles, and if present, noted below? ~~Y~~ ~~N~~
15. Did the bottles originate from CAS/K or a branch laboratory? Y (N)
16. **Are CWA Microbiology samples received with >1/2 the 24hr. hold time remaining from collection?** ~~Y~~ ~~N~~
17. Was C12/Res negative? ~~Y~~ N

Explain any discrepancies: REC'D 2 16oz SAMPLES NOT ON COC: (1) SCSD27 10/4/06 1745.
(2) SCIT12 10/4/06 1618

RESOLUTION:

Samples that required preservation or received out of temperature:

Sample ID	Reagent	Volume	Lot Number	Bottle Type	Rec'd out of Temperature	Initials

Total Solids

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Alaska Salt Chuck Mi/26219784
Sample Matrix: Soil

Service Request: K0608882

Total Solids

Prep Method: NONE
Analysis Method: 160.3M
Test Notes:

Units: PERCENT
Basis: Wet

Sample Name	Lab Code	Date Collected	Date Received	Date Analyzed	Result	Result Notes
SCIT6	K0608882-001	09/27/2006	10/13/2006	10/16/2006	75.5	
SCIT7	K0608882-002	09/27/2006	10/13/2006	10/16/2006	75.5	
SCIT8	K0608882-003	09/27/2006	10/13/2006	10/16/2006	72.5	
SCIT10	K0608882-004	09/29/2006	10/13/2006	10/16/2006	76.1	
SCSD23	K0608882-005	09/30/2006	10/13/2006	10/16/2006	75.5	
SCSD24	K0608882-006	09/30/2006	10/13/2006	10/16/2006	76.0	
SCSD25	K0608882-007	09/30/2006	10/13/2006	10/16/2006	70.1	
SCSS26 9/27	K0608882-010	09/27/2006	10/13/2006	10/16/2006	73.1	
SCSS26 9/28	K0608882-011	09/28/2006	10/13/2006	10/16/2006	71.5	
SCSS27 9/27	K0608882-012	09/27/2006	10/13/2006	10/16/2006	59.9	
SCSS27 9/28	K0608882-013	09/28/2006	10/13/2006	10/16/2006	80.2	
SCSD20	K0608882-014	09/28/2006	10/13/2006	10/16/2006	78.4	
SCSD21	K0608882-015	09/28/2006	10/13/2006	10/16/2006	80.9	
SCSD22	K0608882-016	09/30/2006	10/13/2006	10/16/2006	69.6	
SCSD26	K0608882-017	10/04/2006	10/13/2006	10/16/2006	70.0	
SCSD28	K0608882-018	10/06/2006	10/13/2006	10/16/2006	77.3	
SCIT13	K0608882-020	10/06/2006	10/13/2006	10/16/2006	76.6	
SCSD27 10/4	K0608882-031	10/04/2006	10/13/2006	10/16/2006	74.8	
SCIT12 10/4	K0608882-032	10/04/2006	10/13/2006	10/16/2006	76.4	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mi/26219784	**Date Collected:**	09/28/2006
Sample Matrix:	Soil	**Date Received:**	10/13/2006
		Date Analyzed:	10/16/2006

Duplicate Sample Summary

Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SCSD20	K0608882-014	78.4	83.5	81.0	6	

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mi/26219784	**Date Collected:**	09/27/2006
Sample Matrix:	Soil	**Date Received:**	10/13/2006
		Date Analyzed:	10/16/2006

Duplicate Sample Summary
Total Solids

Prep Method:	NONE	**Units:**	PERCENT
Analysis Method:	160.3M	**Basis:**	Wet
Test Notes:			

Sample Name	Lab Code	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
SCIT6	K0608882-001	75.5	79.3	77.4	5	

Group ID:	KWG0617436				
Analyst:	JSanders			**Reviewed By:**	
Date Acquired:	10/16/2006 16:37	**Oven TempStart:**	103 DEG C	**Date Reviewed:**	10/17/06
Date Completed:	10/17/2006 09:13	**Oven TempEnd:**	103 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
X 56	K0608862-001	SL-23-H22-01-126	SOIL	1.29g	14.18g	13.02g	91.0		
57	K0608862-002	SL-23-H23-01-126	SOIL	1.29g	8.99g	8.56g	94.4		
58	K0608862-003	SL-23-I16-01-126	SOIL	1.29g	8.02g	7.56g	93.2		
59	K0608862-004	SL-23-I16-04-126	SOIL	1.29g	10.81g	9.99g	91.4		
60	K0608862-005	SL-23-K16-01-126	SOIL	1.29g	10.82g	10.18g	93.3		
61	K0608862-006	SL-23-K17-01-126	SOIL	1.29g	9.05g	8.67g	95.1		
62	K0608862-007	SL-23-K18-01-126	SOIL	1.29g	10.62g	10.10g	94.4		
63	K0608862-008	SL-23-K19-01-126	SOIL	1.29g	9.18g	8.82g	95.4		
64	K0608862-009	SL-23-J16-01-126	SOIL	1.28g	8.96g	8.56g	94.8		
65	K0608862-010	SL-23-J17-01-126	SOIL	1.29g	12.30g	11.44g	92.2		
66	K0608862-011	SL-23-J18-01-126	SOIL	1.29g	9.33g	8.96g	95.4		
67	K0608862-012	SL-23-J19-01-126	SOIL	1.29g	12.09g	11.50g	94.5		
68	K0608862-013	SL-23-I17-01-126	SOIL	1.28g	10.56g	10.05g	94.5		
69	K0608862-014	SL-23-I18-01-126	SOIL	1.30g	9.05g	8.67g	95.1		
70	K0608862-015	SL-23-I19-01-126	SOIL	1.28g	10.61g	10.21g	95.7		
71	K0608862-016	SL-23-F16-01-126	SOIL	1.29g	12.69g	12.09g	94.7		
72	K0608862-017	SL-23-F17-01-126	SOIL	1.28g	11.41g	10.98g	95.8		
73	K0608862-018	SL-23-F18-01-126	SOIL	1.29g	11.78g	10.99g	92.5		
74	K0608862-019	SL-23-F18-04-126	SOIL	1.29g	9.67g	9.17g	94.0		
75	K0608862-020	SL-23-F19-01-126	SOIL	1.29g	9.84g	9.48g	95.8		
76	K0608862-021	SL-23-G16-01-126	SOIL	1.30g	11.04g	10.37g	93.1		
77	K0608862-022	SL-23-G17-01-126	SOIL	1.29g	10.61g	10.06g	94.1		
78	K0608862-023	SL-23-G18-01-126	SOIL	1.29g	10.53g	10.07g	95.0		
79	K0608862-024	SL-23-G19-01-126	SOIL	1.28g	15.69g	15.11g	96.0		
80	K0608862-025	SL-23-H16-01-126	SOIL	1.28g	14.12g	12.91g	90.6		
81	K0608862-026	SL-23-H17-01-126	SOIL	1.28g	15.41g	14.54g	93.8		
82	K0608862-027	SL-23-H18-01-126	SOIL	1.30g	12.60g	12.08g	95.4		
83	K0608862-028	SL-23-H19-01-126	SOIL	1.30g	14.14g	13.58g	95.6		
X 84	K0608882-001	SCIT6	SOIL	1.29g	11.73g	9.17g	75.5		
85	K0608882-002	SCIT7	SOIL	1.30g	28.30g	21.68g	75.5		
86	K0608882-003	SCIT8	SOIL	1.29g	23.54g	17.43g	72.5		

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Group ID:	KWG0617436				
Analyst:	JSanders			**Reviewed By:**	
Date Acquired:	10/16/2006 16:37	**Oven TempStart:**	103 DEG C	**Date Reviewed:**	10/17/06
Date Completed:	10/17/2006 09:13	**Oven TempEnd:**	103 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
87	K0608882-004	SCIT10	SOIL	1.29g	18.59g	14.45g	76.1		
88	K0608882-005	SCSD23	SEDIMENT	1.29g	14.54g	11.29g	75.5		
89	K0608882-006	SCSD24	SEDIMENT	1.29g	14.27g	11.16g	76.0		
90	K0608882-007	SCSD25	SEDIMENT	1.30g	15.19g	11.03g	70.1		
91	K0608882-010	SCSS26 9/27	SOIL	1.29g	10.65g	8.13g	73.1		
92	K0608882-011	SCSS26 9/28	SOIL	1.29g	6.56g	5.06g	71.5		
93	K0608882-012	SCSS27 9/27	SOIL	1.29g	8.94g	5.87g	59.9		
94	K0608882-013	SCSS27 9/28	SOIL	1.29g	12.88g	10.58g	80.2		
95	K0608882-014	SCSD20	SEDIMENT	1.29g	19.52g	15.58g	78.4		
96	K0608882-015	SCSD21	SEDIMENT	1.29g	12.64g	10.47g	80.9		
97	K0608882-016	SCSD22	SEDIMENT	1.30g	15.90g	11.46g	69.6		
98	K0608882-017	SCSD26	SEDIMENT	1.28g	8.97g	6.66g	70.0		
99	K0608882-018	SCSD28	SEDIMENT	1.29g	16.15g	12.77g	77.3		
100	K0608882-020	SCIT13	SOIL	1.28g	18.17g	14.22g	76.6		
101	K0608882-031	SCSD27 10/4	SEDIMENT	1.28g	20.90g	15.96g	74.8		
102	K0608882-032	SCIT12 10/4	SOIL	1.28g	21.52g	16.74g	76.4		
103	KWG0617436-1	Duplicate Client Sample	SOIL	1.29g	9.63g	6.21g	59.0	K0608543-001	
104	KWG0617436-10	Duplicate Client Sample	SOIL	1.29g	19.95g	16.87g	83.5	K0608882-014	
105	KWG0617436-11	Duplicate Client Sample	SOIL	1.29g	11.82g	11.17g	93.8	K0608862-027	
106	KWG0617436-2	Duplicate Client Sample	SOIL	1.30g	9.54g	8.47g	87.0	K0608825-001	
107	KWG0617436-3	Duplicate Client Sample	SOIL	1.29g	8.90g	8.26g	91.6	K0608825-011	
108	KWG0617436-4	Duplicate Client Sample	SOIL	1.27g	11.17g	10.74g	95.7	K0608825-025	
109	KWG0617436-5	Duplicate Client Sample	SOIL	1.30g	8.10g	7.77g	95.1	K0608825-031	
110	KWG0617436-6	Duplicate Client Sample	SOIL	1.30g	7.32g	6.95g	93.9	K0608862-003	
111	KWG0617436-7	Duplicate Client Sample	SOIL	1.29g	11.17g	10.55g	93.7	K0608862-018	
112	KWG0617436-8	Duplicate Client Sample	SOIL	1.29g	13.71g	13.16g	95.6	K0608862-028	
113	KWG0617436-9	Duplicate Client Sample	SOIL	1.29g	14.73g	11.95g	79.3	K0608882-001	

COLUMBIA ANALYTICAL SERVICES, INC.

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EPA Method 160.3 - Total Solids

Group ID:	KWG0617436				
Analyst:	JSanders			**Reviewed By:**	
Date Acquired:	10/16/2006 16:37	**Oven TempStart:**	103 DEG C	**Date Reviewed:**	10/17/06
Date Completed:	10/17/2006 09:13	**Oven TempEnd:**	103 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
X 1	K0608189-001	FL180-BARK-COMP-091506	SOLID FUEL	1.28g	5.26g	4.97g	92.7		Air Dried and Ground
X 2	K0608543-001	PB009-1SC011-N	SEDIMENT	1.30g	9.40g	6.06g	58.8		
3	K0608543-002	PB009-1SC031-N	SEDIMENT	1.29g	9.81g	6.32g	59.0		
4	K0608543-003	PB009-1SC062-N	SEDIMENT	1.29g	11.44g	6.02g	46.6		
5	K0608543-004	PB009-1SC093-N	SEDIMENT	1.29g	10.51g	5.89g	49.9		
6	K0608543-005	PB009-1SC124-N	SEDIMENT	1.29g	14.94g	10.32g	66.2		
7	K0608543-006	PB003-1SC011-N	SEDIMENT	1.29g	11.29g	5.22g	39.3		
8	K0608543-007	PB003-1SC041-N	SEDIMENT	1.29g	11.95g	5.78g	42.1		
9	K0608543-008	PB003-1SC071-N	SEDIMENT	1.29g	14.48g	8.54g	55.0		
10	K0608543-009	PB003-1SC101-N	SEDIMENT	1.29g	8.48g	5.03g	52.0		
11	K0608543-010	PB003-1SC131-N	SEDIMENT	1.29g	11.81g	6.60g	50.5		
12	K0608543-011	PB003-1SC161-N	SEDIMENT	1.28g	10.48g	5.63g	47.3		
13	K0608543-012	PB003-1SC191-N	SEDIMENT	1.28g	10.74g	5.67g	46.4		
X 14	K0608787-002	#4 Riley Sub-Bituminous	SOLID FUEL	1.28g	6.68g	6.21g	91.3		Air Dried
X 15	K0608825-001	SL-23-I14-01-126	SOIL	1.28g	9.15g	8.15g	87.3		
16	K0608825-002	SL-23-J14-01-126	SOIL	1.30g	7.68g	6.92g	88.1		
17	K0608825-003	SL-23-K14-01-126	SOIL	1.28g	7.95g	7.19g	88.6		
18	K0608825-004	SL-23-F15-01-126	SOIL	1.28g	11.01g	10.26g	92.3		
19	K0608825-005	SL-23-G15-01-126	SOIL	1.29g	12.34g	11.44g	91.9		
20	K0608825-006	SL-23-H15-01-126	SOIL	1.29g	9.81g	9.30g	94.0		
21	K0608825-007	SL-23-I15-01-126	SOIL	1.29g	11.61g	10.95g	93.6		
22	K0608825-008	SL-23-J15-01-126	SOIL	1.30g	13.99g	13.27g	94.3		
23	K0608825-009	SL-23-K15-01-126	SOIL	1.29g	13.54g	12.62g	92.5		
24	K0608825-010	SL-23-N17-01-126	SOIL	1.29g	8.42g	7.69g	89.8		
25	K0608825-011	SL-23-N16-01-126	SOIL	1.29g	8.77g	8.23g	92.8		

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Group ID:	KWG0617436				
Analyst:	JSanders			**Reviewed By:**	Jul
Date Acquired:	10/16/2006 16:37	**Oven TempStart:**	103 DEG C	**Date Reviewed:**	10/17/02
Date Completed:	10/17/2006 09:13	**Oven TempEnd:**	103 DEG C		

#	Lab Code	Client ID	Matrix	Tare	Tare+Wet	Tare+Dry	% Solids	QC Ref Sample	Comments
26	K0608825-012	SL-23-N15-01-126	SOIL	1.28g	11.61g	10.12g	85.6		
27	K0608825-013	SL-23-B05-01-126	SOIL	1.28g	10.42g	9.53g	90.3		
28	K0608825-014	SL-23-B04-01-126	SOIL	1.27g	10.58g	9.62g	89.7		
29	K0608825-015	SL-23-F21-01-126	SOIL	1.28g	10.63g	10.18g	95.2		
30	K0608825-016	SL-23-F22-01-126	SOIL	1.27g	10.81g	10.38g	95.5		
31	K0608825-017	SL-23-K20-01-126	SOIL	1.29g	11.66g	11.02g	93.8		
32	K0608825-018	SL-23-K21-01-126	SOIL	1.28g	9.90g	9.55g	95.9		
33	K0608825-019	SL-23-K22-01-126	SOIL	1.30g	8.96g	8.64g	95.8		
34	K0608825-020	SL-23-K23-01-126	SOIL	1.27g	7.44g	7.21g	96.3		
35	K0608825-021	SL-23-L20-01-126	SOIL	1.28g	15.89g	14.12g	87.9		
36	K0608825-022	SL-23-L21-01-126	SOIL	1.28g	10.64g	9.89g	92.0		
37	K0608825-023	SL-23-L22-01-126	SOIL	1.27g	12.43g	10.62g	83.8		
38	K0608825-024	SL-23-F20-01-126	SOIL	1.29g	12.33g	11.85g	95.7		
39	K0608825-025	SL-23-H20-01-126	SOIL	1.29g	11.75g	11.26g	95.3		
40	K0608825-026	SL-23-H20-04-126	SOIL	1.28g	10.14g	9.36g	91.2		
41	K0608825-027	SL-23-J20-01-126	SOIL	1.29g	10.29g	9.70g	93.4		
42	K0608825-028	SL-23-J21-01-126	SOIL	1.29g	14.94g	13.79g	91.6		
43	K0608825-029	SL-23-J22-01-126	SOIL	1.29g	11.60g	11.21g	96.2		
44	K0608825-030	SL-23-J23-01-126	SOIL	1.30g	15.22g	13.57g	88.1		
45	K0608825-031	SL-23-I20-01-126	SOIL	1.29g	6.76g	6.50g	95.2		
46	K0608825-032	SL-23-I21-01-126	SOIL	1.30g	8.95g	8.59g	95.3		
47	K0608825-033	SL-23-I22-01-126	SOIL	1.30g	10.51g	10.03g	94.8		
48	K0608825-034	SL-23-I23-01-126	SOIL	1.29g	14.85g	14.27g	95.7		
49	K0608825-035	SL-23-G20-01-126	SOIL	1.30g	9.29g	8.94g	95.6		
50	K0608825-036	SL-23-G21-01-126	SOIL	1.29g	11.72g	11.26g	95.6		
51	K0608825-037	SL-23-G22-01-126	SOIL	1.29g	12.51g	11.95g	95.0		
52	K0608825-038	SL-23-H21-01-126	SOIL	1.29g	8.23g	7.87g	94.8		
53	K0608845-001	CESAGAC 100906	MISC. SOLID	1.29g	6.58g	3.31g	38.2		
54	K0608860-001	CLM01GB	SOIL	1.28g	21.87g	16.78g	75.3		
55	K0608860-003	LWM01GB	SOIL	1.28g	9.19g	3.77g	31.5		

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General Chemistry Parameters

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client : URS Corporation
Project Name : Alaska Salt Chuck Mine
Project Number : 26219784
Sample Matrix : SOIL

Service Request : K0608882
Date Collected : 10/06/06
Date Received : 10/13/06

Sulfide, Acid-Volatile

Prep Method : Method
Analysis Method : Draft 1991
Test Notes :

Units : mg/Kg (ppm)
Basis : Dry

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Prepared	Date Analyzed	Result	Result Notes
SCIT13	K0608882-020	2.8	0.8	4	10/17/06	10/17/06	46.9	
Method Blank	K0608882-MB	0.7	0.2	1	10/17/06	10/17/06	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Alaska Salt Chuck Mine
Project Number : 26219784
Sample Matrix : SOIL

Service Request : K0608882
Date Collected : 10/06/06
Date Received : 10/13/06
Date Prepared : 10/17/06
Date Analyzed : 10/17/06

Duplicate Summary
Inorganic Parameters

Sample Name : SCIT13
Lab Code : K0608882-020DUP
Test Notes :

Units : mg/Kg (ppm)
Basis : Dry

Analyte	Prep Method	Analysis Method	MRL	Sample Result	Duplicate Sample Result	Average	Relative Percent Difference	Result Notes
Sulfide, Acid-Volatile	Method	Draft 1991	2.8	46.9	43.3	45.1	8	

Report By:Agreer

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project Name : Alaska Salt Chuck Mine
Project Number : 26219784
Sample Matrix : SOIL

Service Request : K0608882
Date Collected : 10/06/06
Date Received : 10/13/06
Date Prepared : 10/17/06
Date Analyzed : 10/17/06

Matrix Spike Summary
Inorganic Parameters

Sample Name : SCIT13
Lab Code : K0608882-020MS
Test Notes :

Units : mg/Kg (ppm)
Basis : Dry

Analyte	Prep Method	Analysis Method	MRL	Spike Level	Sample Result	Spiked Sample Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Acid-Volatile	Method	Draft 1991	70	906	46.9	926	97	60-130	

Report By:Agreer

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client :	URS Corporation	**Service Request :**	K0608882
Project Name :	Alaska Salt Chuck Mine	**Date Collected :**	NA
Project Number :	26219784	**Date Received :**	NA
Sample Matrix :	SOIL	**Date Prepared :**	10/17/06
		Date Analyzed :	10/17/06

Laboratory Control Sample Summary
Inorganic Parameters

Sample Name :	Laboratory Control Sample	Units :	mg/Kg (ppm)
Lab Code :	K0608882-LCS	Basis :	Dry
Test Notes :			

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Sulfide, Acid-Volatile	Method	Draft 1991	8.0	7.5	94	60-130	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client : URS Corporation
Project : Alaska Salt Chuck Mine

Service Request : K0608882
Date Collected : NA
Date Received : NA

Sulfide, Acid-Volatile
Draft 1991
Units: mg/Kg (ppm)

CONTINUING CALIBRATION VERIFICATION (CCV)

	Date Analyzed	True Value	Measured Value	Percent Recovery
CCV1 Result	10/17/06	2.00	2.01	101
CCV2 Result	10/17/06	2.00	2.01	101
CCV3 Result	10/17/06	2.00	2.00	100

CONTINUING CALIBRATION BLANK (CCB)

	Date Analyzed	MRL	Blank Value
CCB1 Result	10/17/06	0.05	ND
CCB2 Result	10/17/06	0.05	ND
CCB3 Result	10/17/06	0.05	ND

Work Request # : Original (K8882)

Tier: V

Date Analyzed: 10/17/06

Analyst: J. Hopkins

Analysis: AVS-SEM

DATA QUALITY REPORT
INORGANICS

Explain any "no" responses to questions below, and any corrective actions in the comments section below.

1.	Is the method name and number correct and appropriate?		yes/no/NA
2.	Holding times met for all analyses and for all samples?		yes/no/NA
3.	Are calculations correct?		yes/no/NA
4.	Is the reporting basis correct? (Dry Weight)		yes/no/NA
5.	All quality control criteria met?		yes/no/NA
	a.	Is the calibration curve correlation coefficient ≥ 0.995?	yes/no/NA
	b.	MBs, CCVs, CCBs, LCSs, Dups, and Spikes, analyzed at proper frequency?	yes/no/NA
	c.	Are ICVs, CCVs, and CCBs all within acceptance limits?	yes/no/NA
	d.	Are results for methods blanks all ND?	yes/no/NA
	e.	Are all QC samples within acceptance criteria? (LCS % rec, MS/DMS % rec, DUP or MS/DMS RPDs, etc.)	yes/no/NA
	f.	Are all exceptions explained?	yes/no/NA
6.	Are all service requests that apply attached?		yes/no/NA
7.	Are all samples labelled correctly?		yes/no/NA
8.	Have all instructions on the service request been followed? (e.g. Special MRLs, QC on a specific sample)		yes/no/NA
9.	Are detection limits and units reported correctly?		yes/no/NA
10.	Are proper Analysis/Extraction stickers included on report?		yes/no/NA
11.	Is the unused space on the benchsheet crossed out?		yes/no/NA
12.	Was analysis turned in by the due date? (n-2) (If not record SR#)		yes/no/NA

COMMENTS:

Final Approved by: [signature] Date: 10/18/06

DQREPORT

COLUMBIA ANALYTICAL SERVICES, INC.

68147

Work Order #.: K8882 Method: Draft 12/91

Analysis: Analysis for Acid Volatile Sulfide (AVS)

	STD1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7					
											(R) =	0.9990
Conc. (mg/L)	0.000	0.050	0.500	1.000	1.500	2.000	2.500				Slope =	0.6821
Absorbance	0.000	0.039	0.378	0.746	1.079	1.396	1.690				Y Int. =	0.0255

Date Prep'd	Sample #	Dil. Factor	Absorb. @ 670 nm	Conc. from Curve (mg/L)	Actual Conc. (mg/L)	Initial Wt./Vol. (g) / (ml)	Final Vol. (ml)	A Tower mg/L (solution)	B Tower mg/L (solution)	A & B mg/L - mg/kg as rec'd	% Solid	mg/kg Dry Wt.
10/17/2006	ICV	1	1.535	2.2132	2.2132	40	40	2.21		2.21		
10/17/2006	ICB	1	0.000	-0.0374	<0.05	40	40	<0.05		<0.05		
10/17/2006	CCV	1	1.396	2.0094	2.0094	40	40	2.01		2.01		
10/17/2006	CCB	1	-0.003	-0.0418	<0.05	40	40	<0.05		<0.05		
10/17/2006	MB	1	0.001	-0.0359	<0.05	50	40	<0.05	-0.03	<0.05		
10/17/2006	LCS	1	1.302	1.8716	1.8716	10.023	40	7.47	-0.11	7.5		
10/17/2006	K8882-20	4	0.774	1.0974	4.3897	4.885	40	35.94	-0.32	35.94	76.6	46.9
10/17/2006	8882-20d	4	0.888	1.2646	5.0583	6.095	40	33.20	-0.21	33.20	76.6	43.3
10/17/2006	8882-20ms	100	0.723	1.0226	102.2648	5.765	40	709.56	-0.24	709.56	76.6	926
10/17/2006	8882-20msd	100	0.664	0.9361	93.6144	6.270	40	597.22	-0.07	597.22	76.6	780
10/17/2006	CCV2	1	1.396	2.0094	2.0094	40	40	2.01		2.01		
10/17/2006	CCB2	1	-0.001	-0.0389	<0.05	40	40	<0.05		<0.05		
10/17/2006	CCV3	1	1.392	2.0035	2.0035	40	40	2.00		2.00		
10/17/2006	CCB3	1	-0.001	-0.0389	<0.05	40	40	<0.05		<0.05		

CCV =2ml*40.0mg/l/40ml=2.00mg/l %REC = 101, 101, 100 ✓

LCS =2ml*40.0mg/l/10.023g = 8.0mg/kg %REC = 94

ICV = 2.25ml*40.0mg/L/40ml = 2.25mg/L %REC = 98 ✓

MS = 1ml*4000mg/L/5.765g/0.766 = 906mg/kg %REC = 97 K8882-20/20d x = 45.1 RPD = 8%

MSD = 1ml*4000mg/L/6.270g/0.766 = 833mg/kg %REC = 88

STD ID# s2/2-1-E CONC. = 4000

Distilled by:	SAW	Date Distilled:	10/17/06 0720
Analyzed By:	SAW	Date Analyzed:	10/17/06
Reviewed By:		Date Reviewed:	10/18/06

Work Order #.:

Analysis: Analysis for Acid Volatile Sulfide (AVS)

Method: Draft 12/91

Prep Date : 10/17/2006

	STD1	STD 2	STD 3	STD 4	STD 5	STD 6	STD 7					
Conc. (mg/L)	0.000	0.050	0.500	1.000	1.500	2.000	2.500					
Absorbance	0.000	0.039	0.378	0.746	1.079	1.396	1.690					

Sample Name Lab Code	Initial Wt./Vol. (g) or (ml)	Dilution Factor	Abs of A tower @ 670 nm	Abs of B tower @ 670 nm	% Solids
ICV	40	1	1.535		
ICB	40	1	0.000		
CCV	40	1	1.396		
CCB	40	1	-0.003		
MB	50	1	0.001	0.003	
LCS	10.023	1	1.302	0.006	
K8882-20	4.885	4	0.774	-0.001	76.6
8882-20d	6.095	4	0.888	0.004	76.6
8882-20ms	5.765	100	0.723	0.002	76.6
8882-20msd	6.27	100	0.664	0.018	76.6
CCV2	40	1	1.396		
CCB2	40	1	-0.001		
CCV3	40	1	1.392		
CCB3	40	1	-0.001		

Sample Name Lab Code	Initial Wt./Vol. (g) or (ml)	Dilution Factor	Abs of A tower @ 670 nm	Abs of B tower @ 670 nm	% Solids
		1			
		1			
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		1			

SAN 10/17/06

[illegible] 10/18/06

AVS-SEM 376.2
K0608882 P0600108, 0115

DU520 S/N: 0112U2001732 1.03
17-OCT-06 13:04:41 SCA
Wavelength: 670.0 nm
Formula: A=a+bC a: 0.0254 b: 0.6821

10/17/06

r2=0.998 Var=0.0011

mg/L	Net A
0.0000	-0.000
0.0500	0.039
0.5000	0.378
1.0000	0.746
1.5000	1.079
2.0000	1.396
2.5000	1.690

#68147

10/17/06

10/18/06

DU520 S/N: 0112U2001732 1.03
17-OCT-06 13:05:15 SCA Group 1872
Wavelength: 670.0 nm
Formula: A=a+bC a: 0.0254 b: 0.6821

Sample		Net A	Dil X	mg/L
0001	ICB	-0.000	1.0000	-0.04
0002	ICV	1.535	1.0000	2.21
0003	CCV	1.396	1.0000	2.01
0004	CCB	0.003	1.0000	-0.04
0005	MB	0.001	1.0000	-0.04
0006	LCS	1.302	1.0000	1.87
0007	K8882-20	0.774 5/20	1.0000	1.10
0008	20d	0.888 5/20	1.0000	1.26
0009	20ms	0.723 0.2/20	1.0000	1.02
0010	20msd	0.664 0.2/20	1.0000	0.94
0011	CCV2	1.396	1.0000	2.01
0012	CCB2	0.001	1.0000	-0.04
0013	MB	0.003	1.0000	-0.03
0014	LCS	0.006	1.0000	-0.03
0015	K8882-20	0.001	1.0000	-0.04
0016	20d	0.004	1.0000	-0.03
0017	20ms	0.002	1.0000	-0.03
0018	20msd	0.018	1.0000	-0.01
0019	CCV3	1.392	1.0000	2.00
0020	CCB3	0.001	1.0000	-0.04
0021		0.000	1.0000	-0.04
0022		1.343	1.0000	1.93
0023		0.011	1.0000	-0.02
0024		0.015	1.0000	-0.02
0025		1.276	1.0000	1.83
0026		1.296	1.0000	1.86
0027		0.078	1.0000	0.08
0028		0.060	1.0000	0.05
0029		1.393	1.0000	2.01
0030		-0.003	1.0000	-0.04

AVS ATowers

BTowers

10/17/06 10/18/06

COLUMBIA ANALYTICAL SERVICES, INC.

Work Order #.: K8882

EPA Draft, Aug. 1991
Method: Methylene Blue Colorimetric

Analysis: AVS/SEM

Date Prepared	Sample Name Lab Code	Initial Wt./Vol. (g) or (ml)	AVS - Final Volume (mL)	mLs 50% HCl added	SEM - Final Volume (mL)	Sample description:
10/17/06	MB	50ml	90ml	10ml	100ml	
	LCS	10.023				
	K8882-20	4.885				mud, sand, big rocks, shells
	-20d	6.095				
	-20ms	5.765				
	-20msd	6.270				

LCS 1 = % REC =
LCS 2 = % REC =
Spike = % REC =
Spike Dup.= % REC =

x =
STD ID# = RPD =

Prepared By:		Date Prepared:	10/17/06 0720
Analyzes By:		Date Analyzed:	10/17/06
Reviewed By:		Date Reviewed:	10/18/06

Metals

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	09/27/06
Sample Matrix:	Soil	**Date Received:**	10/13/06

Mercury, Total

Prep Method:	METHOD	Units:	ng/g
Analysis Method:	1631E	Basis:	Dry
Test Notes:			

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
SCSS26 9/27	K0608882-010	2.0	0.2	40	11/09/06	11/10/06	212	
SCSS26 9/28	K0608882-011	2.0	0.2	40	11/09/06	11/10/06	143	
SCSS27 9/27	K0608882-012	2.0	0.2	40	11/09/06	11/10/06	20700	
SCSS27 9/28	K0608882-013	2.0	0.2	40	11/09/06	11/10/06	318	
Method Blank	K0608882-MB1	1.0	0.08	20	11/09/06	11/10/06	ND	
Method Blank	K0608882-MB2	1.0	0.08	20	11/09/06	11/10/06	ND	
Method Blank	K0608882-MB3	1.0	0.08	20	11/09/06	11/10/06	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	09/27/06
Sample Matrix:	Soil	**Date Received:**	10/13/06
		Date Extracted:	11/09/06
		Date Analyzed:	11/10/06

Matrix Spike/Duplicate Matrix Spike Summary
Total Metals

Sample Name:	SCSS26 9/27	Units:	ng/g
Lab Code:	K0608882-010MS, K0608882-010MSD	Basis:	Dry
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Mercury	METHOD	1631E	2.0	123	116	212	394	332	148	103	70-130	17	N

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/09/06
		Date Analyzed:	11/10/06

Ongoing Precision and Recovery (OPR) Sample Summary
Total Metals

Sample Name: Ongoing Precision and Recovery (Initial)

Units: ng/g
Basis: NA

Test Notes:

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	METHOD	1631E	5.00	4.51	90	70-130	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	11/09/06
		Date Analyzed:	11/10/06

Ongoing Precision and Recovery (OPR) Sample Summary

Total Metals

Sample Name: Ongoing Precision and Recovery (Final)

Units: ng/g

Basis: NA

Test Notes:

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	METHOD	1631E	5.00	4.36	87	70-130	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
LCS Matrix:	Soil	**Date Received:**	NA
		Date Extracted:	11/09/06
		Date Analyzed:	11/10/06

Quality Control Sample (QCS) Summary
Total Metals

Sample Name: Quality Control Sample

Units: ng/g
Basis: Dry

Test Notes:

Source: MESS-3

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	METHOD	1631E	91.0	79.6	87	70-130	

Service Request # K8882, K8582, K8787, K9119
MS/MSD with # K8882
StarLims # 70606

1631 Soil Data Review Form

	Yes	No	NA
1. 20 samples (or less) in batch	X		
2. MS/MSD every 10 samples	X		
3. Current Calibration factor used	X		
4. Calibration data included	X		
5. Method blank below MRL	X		
6. Verification Standards ran	X		
7. Mean of Bubbler Blanks less than 25 pg	X		
8. OPR, QCS in control (70-130%)	X		
9. MS/MSD recovery 70-130%	X	X	
10. Spike RPD within 30%	X	X	
11. All samples within the linear range	X		
12. Dilution factors calculated	X		
13. Bench sheet signed	X		
14. Reagent Blank below 20 pg	X		
15. Verification Standards Passed (75-123%)	X		

Comments

Sample K8882-10 appears to not be homogenized well, however, samples should still be reported.

Primary Reviewed by [signature] Date 11/10/06

Secondary Reviewed by JDB Date 11/10/06

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

Run Duration:	2.25	Integration Mode:	Total Hg
Heating Time:	1.75	Integration Type:	Peak Area
Retention Start Time:	.75	Result Units:	µg/Kg
Retention Stop Time:	1.75		
Calibration File:	Curve 10-31-06.brd		

11/10/06
Analytical Batch
KA0502183

Reagents

Name	Lot Number
BrCl	RE2-4-G
SnCl+HCl	AF1-24-K

Standards

Name	Concentration	Lot Number
VER STD	10000ppb	AF1-24-A
OPR STD	40000ppb	AF1-24-C

Comments
PMT: 616 OFFSET: 5,058 NOISE: 441

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

Run	Run Type	Name/ID	Method Blank	Peak	Peak Area	Analyzed Result (pg)	Final Result (µg/Kg)	QA Results	Criteria	Notes
1	QCS	VER-1		1	4,412,990	429	4.29	85.9	77-123	accept
2	MBA	MB-1		1	27,105	-0.879	-0.0176	-0.0176	< 1	accept
3	MBA	MB-2		1	25,043	-1.08	-0.0216	-0.0216	< 1	accept
4	OPR	OPR-1		1	2,353,813	226	4.51	90.2	70-130	accept
5	IPR	QCS-1		1	2,337,951	224	4.48	89.6	70-130	accept
6	IPR	MESS-3		1	25,053,150	2,430	79.6	87.4	70-130	accept
7	S	K8882-10		1	46,327,916	4,500	Dry 212 155 Ashed		< HS	accept
8	MS	K8882-10		1	82,623,492	8,040	394 288	149	70-130	reject
9	MSD	K8882-10		1	74,003,915	7,200	332 243	105	70-130	accept
10	CB	BB (VER)		1	43,575	4.24		4.24	< 50	accept
11	S	K8882-11		1	32,258,428	3,140	143 102		< HS	accept
12	S	K8882-12		1	168,422,702	16,400	2070 12,400		< HS	accept
13	S	K8882-13		1	71,747,483	6,980	318 255		< HS	accept
14	S	K8285-02		1	3,943,554	380	14.5		< HS	accept
15	S	K8787-01		1	3,405,455	328	12.8		< HS	accept
16	S	K8787-02		1	23,769,602	2,310	76.5		< HS	accept
17	S	K9119-01		1	5,450,296	527	19.1		< HS	accept
18	S	K9119-02		1	13,525,484	1,310	52.1		< HS	accept
~~19~~	~~MS~~	~~K8882-10~~		~~1~~	~~84,836,146~~	~~8,250~~	~~296~~	~~158~~	~~70-130~~	~~reject~~
~~20~~	~~MS~~	~~K8882-10~~		~~1~~	~~85,110,178~~	~~8,280~~	~~297~~	~~159~~	~~70-130~~	~~reject~~
21	MBA	MB-3		2	43,771	0.743	0.0149	0.0149	< 1	accept
22	OPR	OPR-2		1	2,277,654	218	4.36	87.3	70-130	accept
23	QCS	VER-3		1	4,348,804	423	4.23	84.6	77-123	accept
24	CB	BB (VER)		1	28,694	2.79		2.79	< 50	accept

AH 11/10/06

Comments

PMT: 616
OFFSET: 5,058
NOISE: 441

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

Bias and Precision

Run Type	Name/ID	Final Result	Units	Spike Level	Source Result	% REC	% REC Limit	RPD	RPD Limit	Notes
MS	K8882-10	288	µg/Kg	89.7	155	149	70-130			reject
11/10/06	~~K8882-10~~	~~296~~	~~µg/Kg~~	~~89.7~~	~~155~~	~~158~~	~~70-130~~			~~reject~~
	~~K8882-10~~	~~297~~	~~µg/Kg~~	~~89.7~~	~~155~~	~~159~~	~~70-130~~			~~reject~~
MSD	K8882-10	243	µg/Kg	84.6	155	105	70-130			accept
IPR	QCS-1	4.48	µg/Kg	5		89.6	70-130			accept
	MESS-3	79.6	µg/Kg	91		87.4	70-130			accept
OPR	OPR-1	4.51	µg/Kg	5		90.2	70-130			accept
	OPR-2	4.36	µg/Kg	5		87.3	70-130			accept
QCS	VER-1	4.29	µg/Kg	5		85.9	77-123			accept
	VER-3	4.23	µg/Kg	5		84.6	77-123			accept

Calibration

QA Sample Type	Name/ID	Analyzed Result	Units	Spike Level	% REC	% REC Limit	RSD	RSD Limit	Notes
Calibration	20	19.8	pg	20	99.0	75-125			accept
	500	531	pg	500	106	75-125			accept
	2000	2,030	pg	2000	101	75-125			accept
	5000	5,410	pg	5000	108	75-125			accept
	20000	19,400	pg	20000	97.0	75-125			accept
	10	9.75	pg	10	97.5	75-125			accept
	50	47.6	pg	50	95.2	75-125			accept
	200	195	pg	200	97.5	75-125			accept
Calibration Factor		0.0000973	pg/PA				4.50	< 15	accept
Calibration Date		10/31/06							

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

Blank Summary

QA Sample Type	Name/ID	Analyzed Result	Units	Criteria	StDev	StDev Limit	Notes
CB	BB (VER)	4.24	pg	< 50			accept
	BB (VER)	2.79	pg	< 50			accept
Average		3.52	pg	< 25	1.02	< 10	accept
MBA	MB-1	-0.0176	µg/Kg	< 1			accept
	MB-2	-0.0216	µg/Kg	< 1			accept
	MB-3	0.0149	µg/Kg	< 1			accept
Average		-0.00810	µg/Kg		0.0200		

Comments

PMT: 616
OFFSET: 5,058
NOISE: 441

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

Run	Name/ID	Final Result (µg/Kg)	Notes
14	K8285-02	14.5	accepted
15	K8787-01	12.8	accepted
16	K8787-02	76.5	accepted
7	K8882-10	155	accepted
11	K8882-11	102	accepted
12	K8882-12	12,400	accepted
13	K8882-13	255	accepted
17	K9119-01	19.1	accepted
18	K9119-02	52.1	accepted

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

Run	Run Type	Name/ID	Method Blank	Sample Vol/Wt	Dilution Vol (ml)	Analyzed Vol (ml)	Expected Value	Notes
1	QCS	VER-1		100	100	100	5	
2	MBA	MB-1		400	40	5		
3	MBA	MB-2		400	40	5		
4	OPR	OPR-1		400	40	5	5	
5	IPR	QCS-1		400	40	5	5	
6	IPR	MESS-3		306	40	4	91	
7	S	K8882-10		466	40	2.5		
8	MS	K8882-10		446	40	2.5	89.7	
9	MSD	K8882-10		473	40	2.5	84.6	
10	CB	BB (VER)		100	100	100		
11	S	K8882-11		491	40	2.5		
12	S	K8882-12		106	40	0.5		
13	S	K8882-13		438	40	2.5		
14	S	K8285-02		420	40	2.5		
15	S	K8787-01		411	40	2.5		
16	S	K8787-02		483	40	2.5		
17	S	K9119-01		442	40	2.5		
18	S	K9119-02		403	40	2.5		
~~19~~	~~MS~~	~~K8882-10~~		~~446~~	~~40~~	~~2.5~~	~~89.7~~	
~~20~~	~~MS~~	~~K8882-10~~		~~446~~	~~40~~	~~2.5~~	~~89.7~~	11/10/06
21	MBA	MB-3		400	40	5		
22	OPR	OPR-2		400	40	5	5	
23	QCS	VER-3		100	100	100	5	
24	CB	BB (VER)		100	100	100		

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Columbia Analytical Services
Metals Digestion Sheet

StarLims Number:			
Method :	**1631EApp.**	Analysis for :	**CVAFS**

Sample	Matrices	Dry	Wet	Initial Weight (g)	Final Volume (ml)	Matrix
VER-1	Water		x	100ml	100ml	0.5% BrCl
VER-2	Water		x	100ml	100ml	0.5% BrCl
Method Blank		x		0.4000	40	0.02N BrCl
Method Blank		x		0.4000	40	0.02N BrCl
Method Blank		x		0.4000	40	0.02N BrCl
OPR-1		x		0.4000	40	0.02N BrCl
QCS-1		x			11/9/06 40	0.02N BrCl
MESS-3				~~0.302~~	0.306 40	0.02N BrCl
K8882-10			X	0.466	40	0.02N BrCl
K8882-10MS				0.446	40	0.02N BrCl
K8882-10DMS				0.473	40	0.02N BrCl
K8882-11				0.491	40	0.02N BrCl
K8882-12				0.106	40	0.02N BrCl
K8882-13				0.436	40	0.02N BrCl
K8582-02				0.420	40	0.02N BrCl
K8787-01				0.411	40	0.02N BrCl
K8787-02				0.483	40	0.02N BrCl
K9119-01				0.442	40	0.02N BrCl
K9119-02				0.403	40	0.02N BrCl
OPR-2				0.4000	40	0.02N BrCl
VER-3	Water		x	100ml	100ml	0.5% BrCl

H_2SO_4= 43212 **HNO3=** MS6 - 9 - F **BrCl** = RE1 - 3 - D

AF1 - 24 - J *(40ppm)* **OPR: 0.05ml** **QCS: 0.2ml (10ppm)** AF1-24-I

1st MS / DMS: 1.0ml
2nd MS / DMS: 1.0ml

Comments:

Time Digestion Started:

Analyst Jessa Jorta **Date** 11/9/06

1631Dig.XLS
6/17/2004

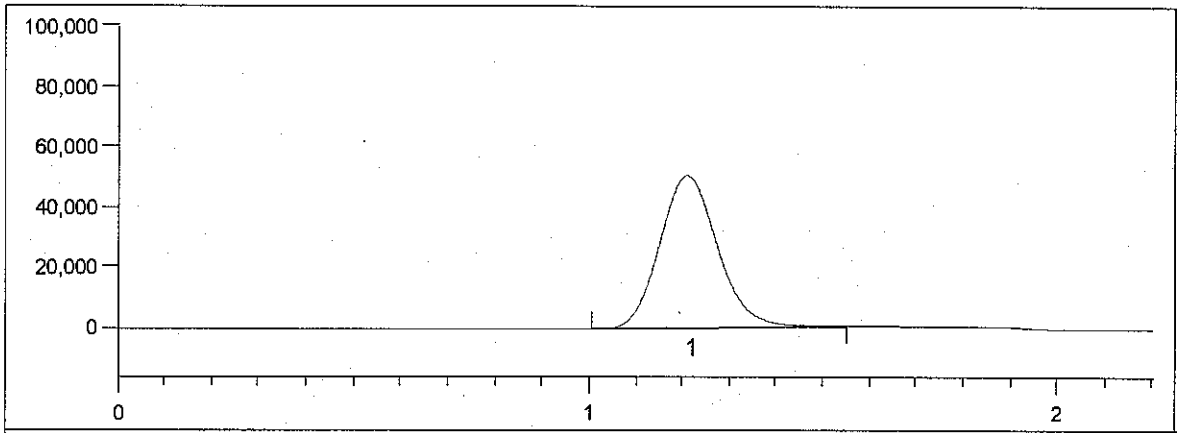
Sample ID	Wet Weight (g)	Precent Solids (%)	Dry Weight (g)
K8882-10	0.466	73.1	.341
K8882-10MS	0.446		.326
K8882-10DMS	0.473	71.5	.346
K8882-11	0.491	59.9	.063
K8882-12	0.106	80.2	.351
K8882-13	0.438		
K8582-02	0.420	93.8	0.394
K8787-01	0.411		
K8787-02	0.483		
K1991-01	0.442		
K1991-02	0.403		

.351

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

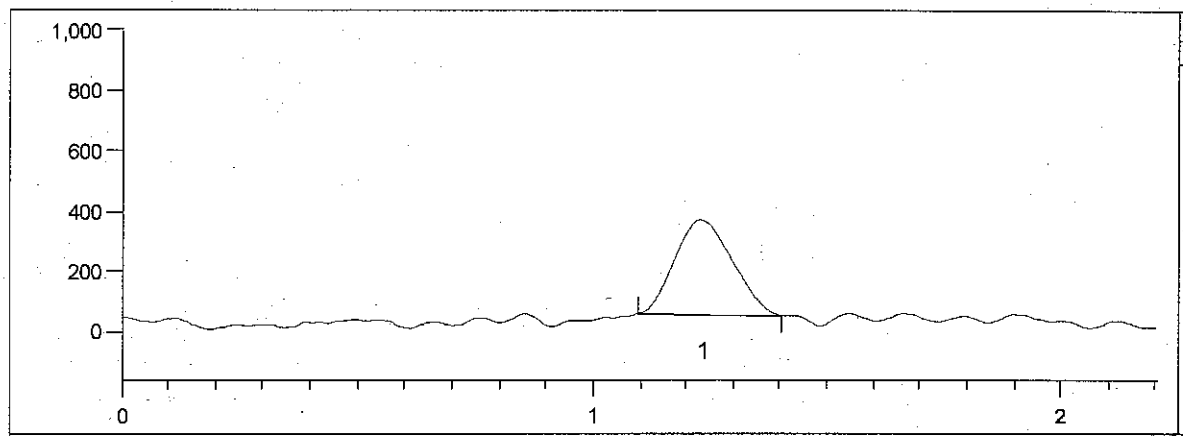


Date:	11/10/06
Time:	8:52 AM

Peak	rt	Area
1	1.23	4,412,990

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	QCS	VER-1		1	4,412,990	429	4.29	85.9	77-123	accept

Notes:

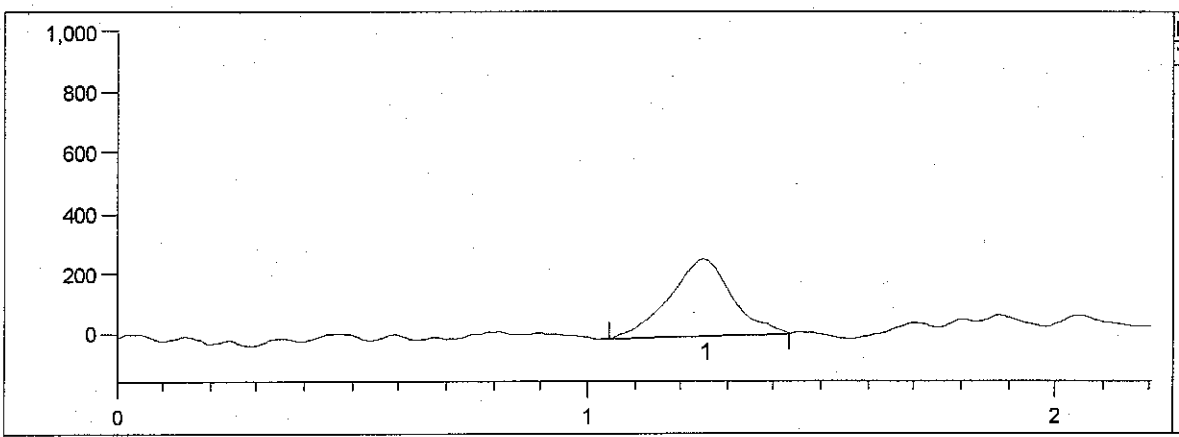


Date:	11/10/06
Time:	8:55 AM

Peak	rt	Area
1	1.25	27,105

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	MBA	MB-1		1	27,105	-0.879	-0.0176	-0.0176	< 1	accept

Notes:



Date:	11/10/06
Time:	8:58 AM

Peak	rt	Area
1	1.27	25,043

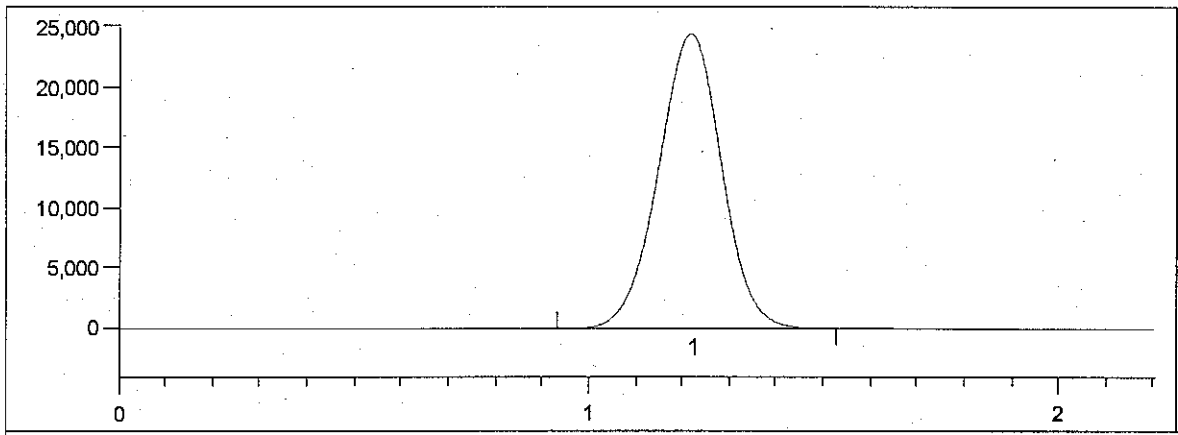
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	MBA	MB-2		1	25,043	-1.08	-0.0216	-0.0216	< 1	accept

Notes:

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

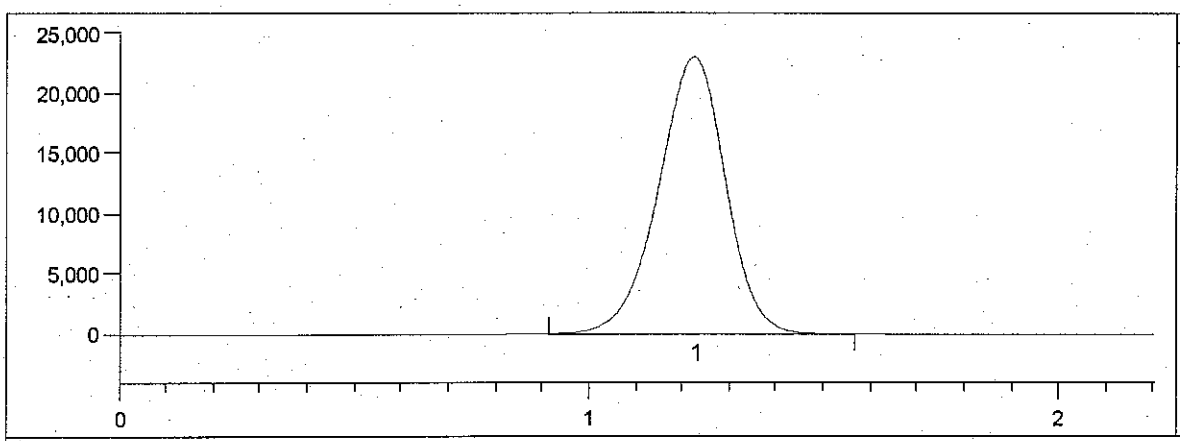


Date: 11/10/06
Time: 9:01 AM

Peak	rt	Area
1	1.24	2,353,813

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	OPR	OPR-1		1	2,353,813	226	4.51	90.2	70-130	accept

Notes:

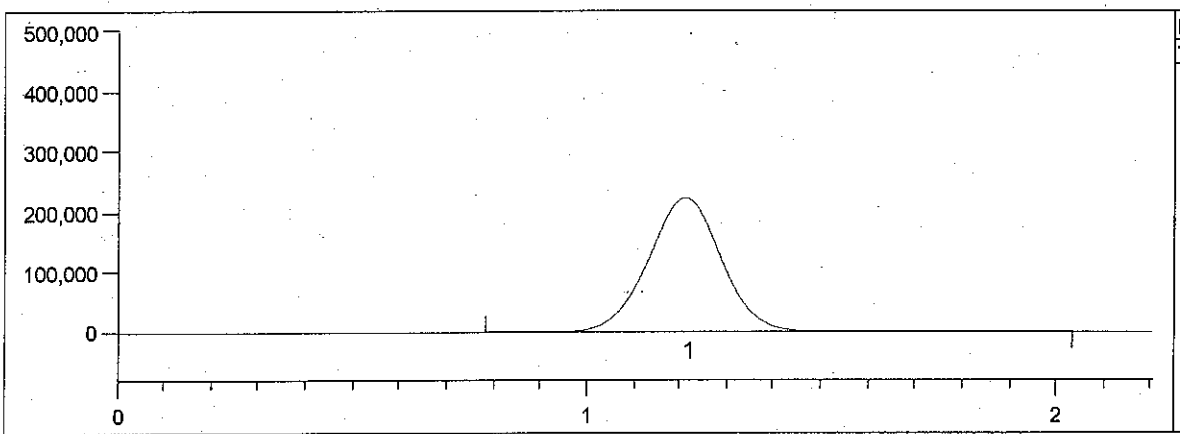


Date: 11/10/06
Time: 9:04 AM

Peak	rt	Area
1	1.25	2,337,951

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	IPR	QCS-1		1	2,337,951	224	4.48	89.6	70-130	accept

Notes:



Date: 11/10/06
Time: 9:07 AM

Peak	rt	Area
1	1.23	25,053,150

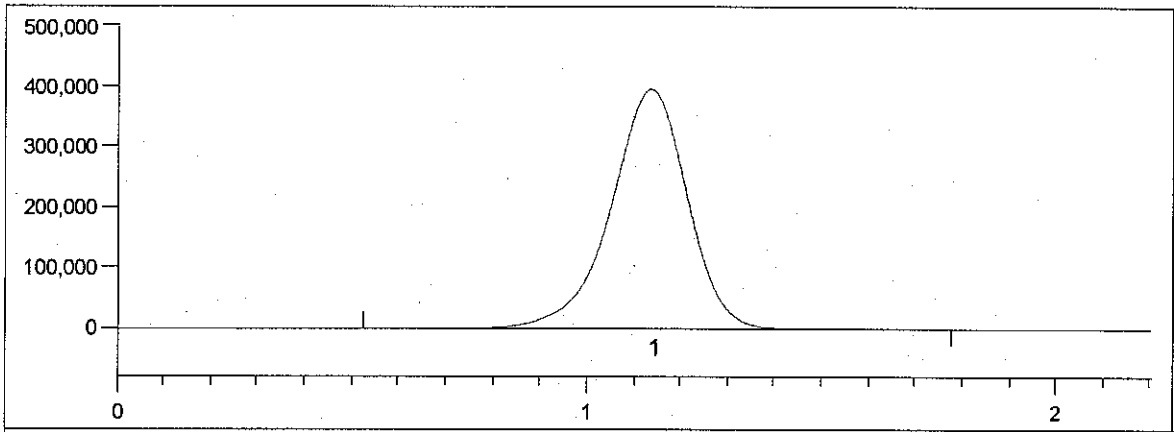
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	IPR	MESS-3		1	25,053,150	2,430	79.6	87.4	70-130	accept

Notes:

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

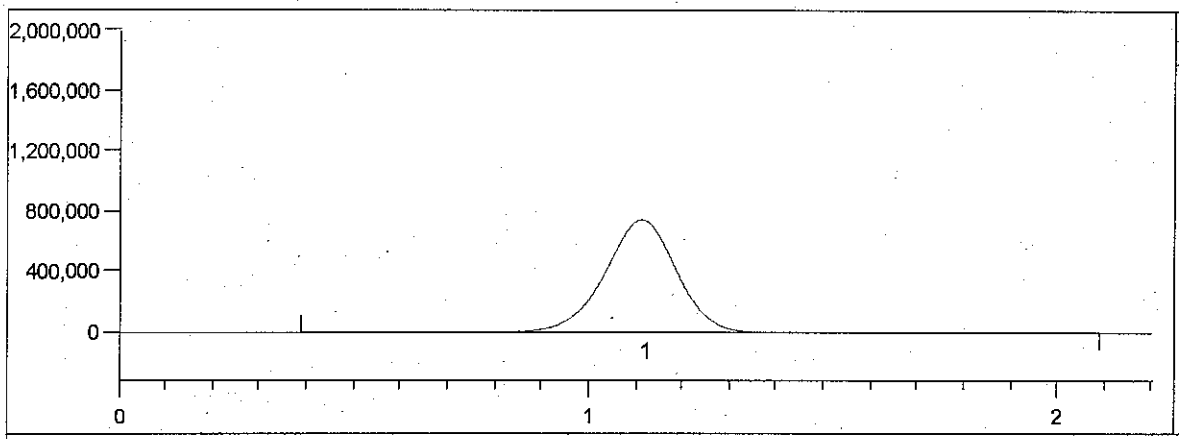


Date: 11/10/06
Time: 9:10 AM

Peak	rt	Area
1	1.16	46,327,916

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	S	K8882-10		1	46,327,916	4,500	155		< HS	accept

Notes:

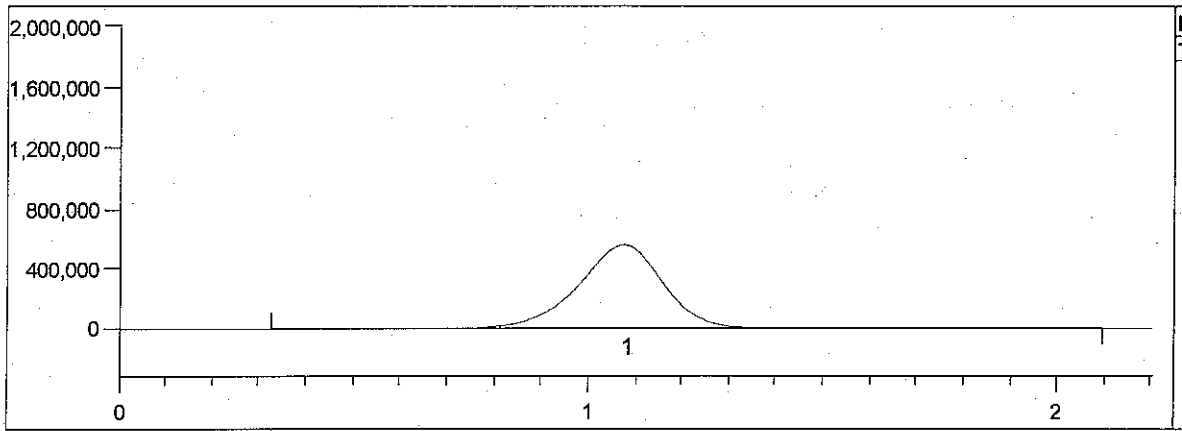


Date: 11/10/06
Time: 9:13 AM

Peak	rt	Area
1	1.13	82,623,492

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	MS	K8882-10		1	82,623,492	8,040	288	149	70-130	reject

Notes:



Date: 11/10/06
Time: 9:16 AM

Peak	rt	Area
1	1.09	74,003,915

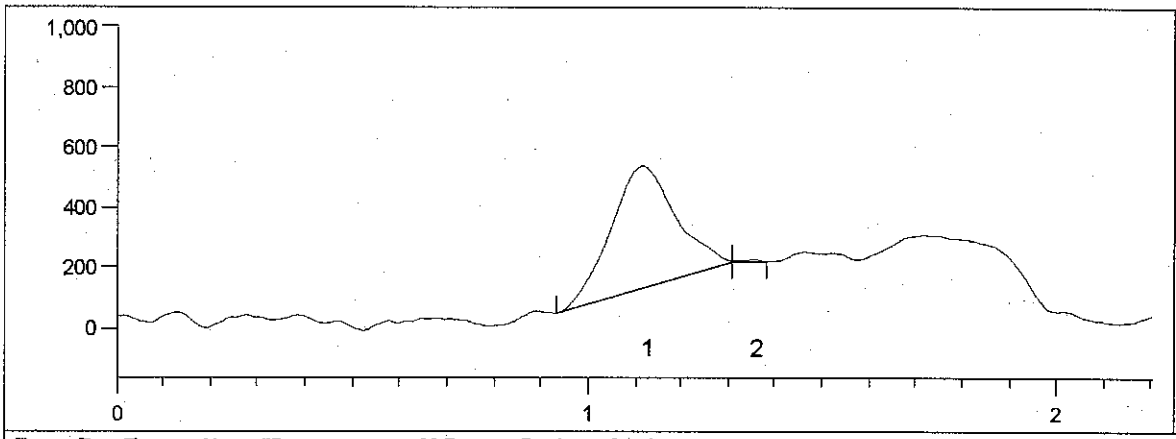
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	MSD	K8882-10		1	74,003,915	7,200	243	105	70-130	accept

Notes:

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

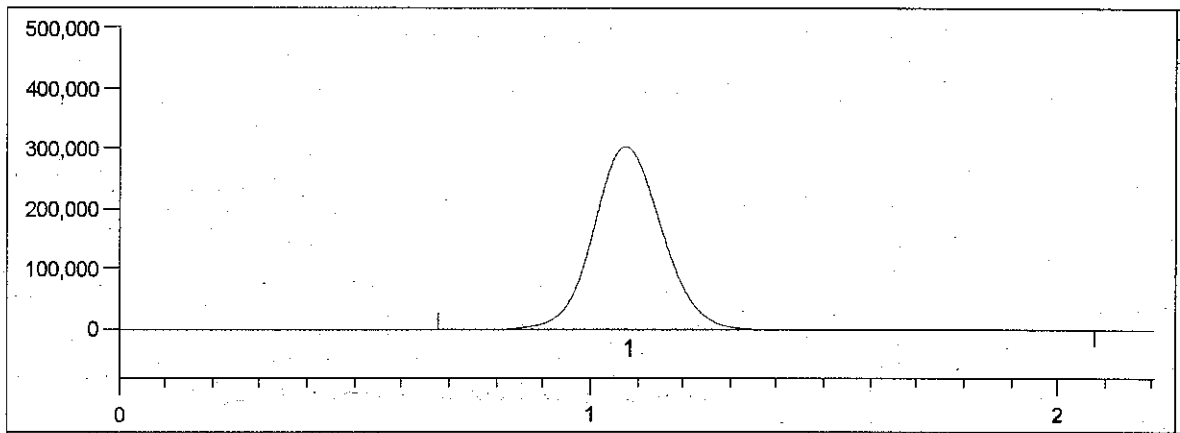


Date: 11/10/06
Time: 9:24 AM

Peak	rt	Area
1	1.14	43,575
2	1.38	841

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	CB	BB (VER)		1	43,575	4.24		4.24	< 50	accept

Notes:

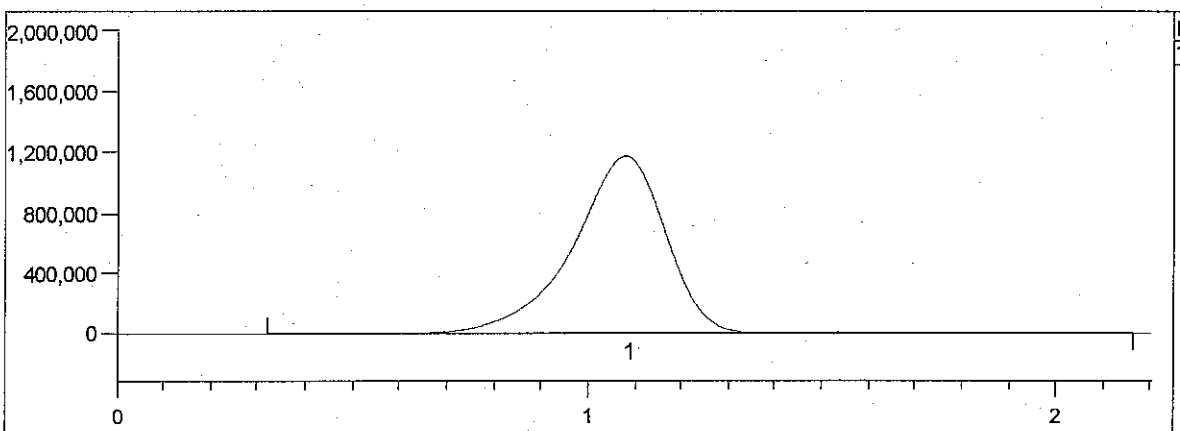


Date: 11/10/06
Time: 9:27 AM

Peak	rt	Area
1	1.10	32,258,428

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	S	K8882-11		1	32,258,428	3,140	102		< HS	accept

Notes:



Date: 11/10/06
Time: 9:30 AM

Peak	rt	Area
1	1.10	168,422,702

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	S	K8882-12		1	168,422,702	16,400	12,400		< HS	accept

Notes:

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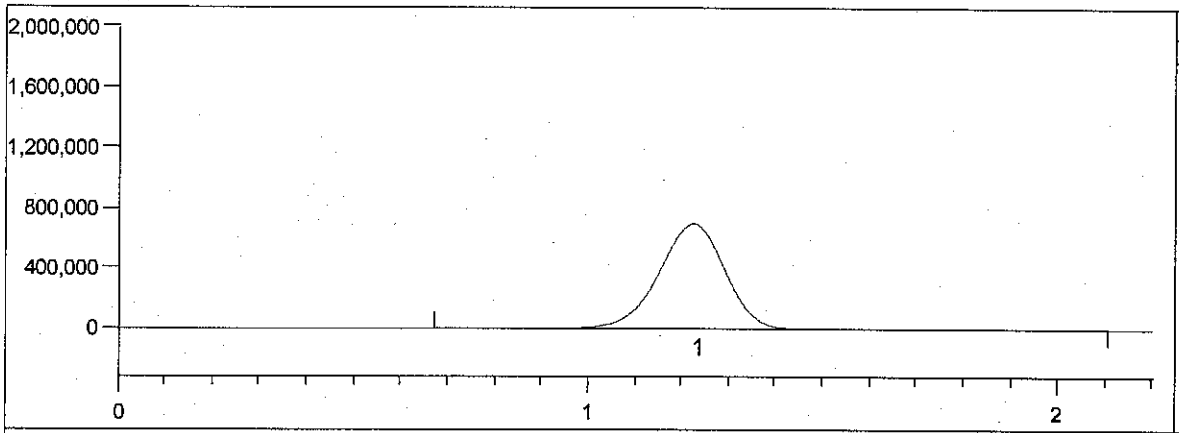
Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

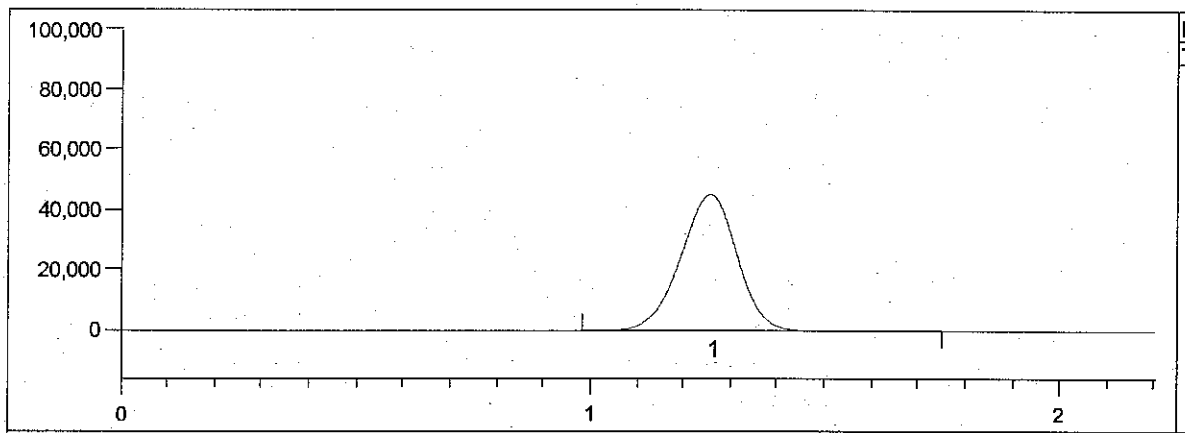


Date: 11/10/06
Time: 9:33 AM

Peak	rt	Area
1	1.25	71,747,483

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	S	K8882-13		1	71,747,483	6,980	255		< HS	accept

Notes:

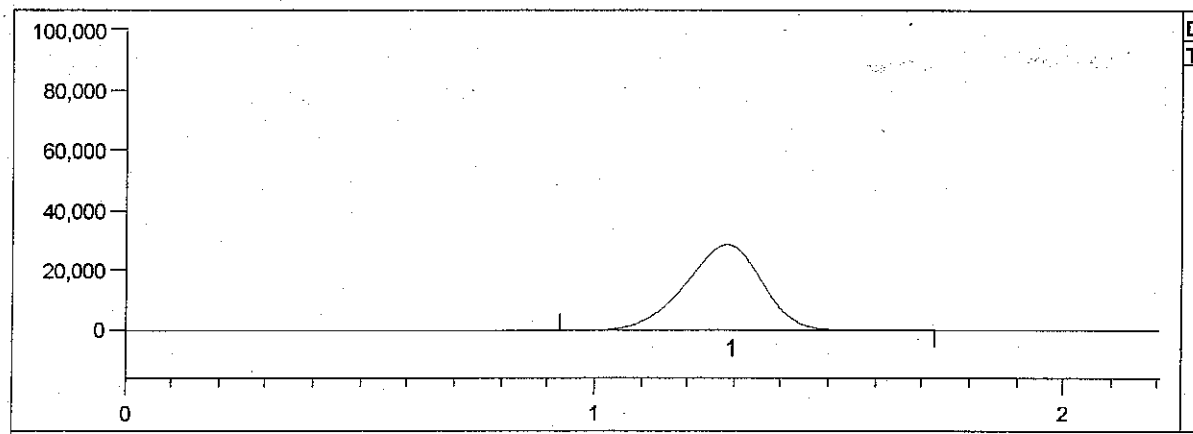


Date: 11/10/06
Time: 9:36 AM

Peak	rt	Area
1	1.28	3,943,554

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	S	K8285-02		1	3,943,554	380	14.5		< HS	accept

Notes:



Date: 11/10/06
Time: 9:38 AM

Peak	rt	Area
1	1.31	3,405,455

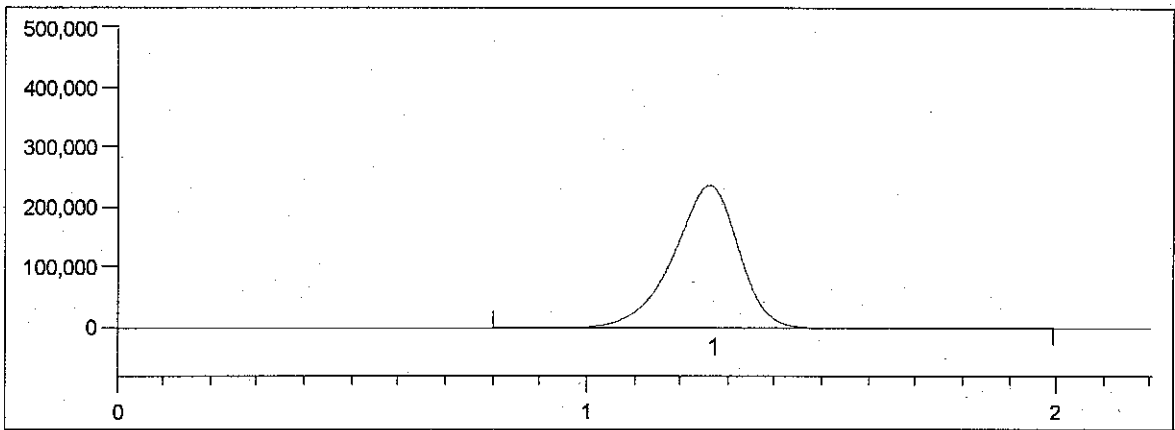
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	S	K8787-01		1	3,405,455	328	12.8		< HS	accept

Notes:

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

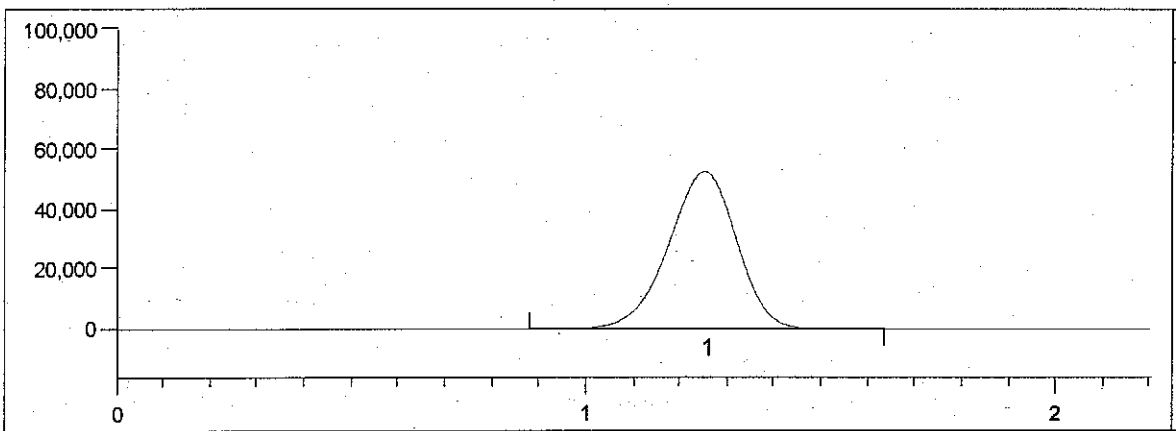


Date: 11/10/06
Time: 9:43 AM

Peak	rt	Area
1	1.28	23,769,602

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	S	K8787-02		1	23,769,602	2,310	76.5		< HS	accept

Notes:

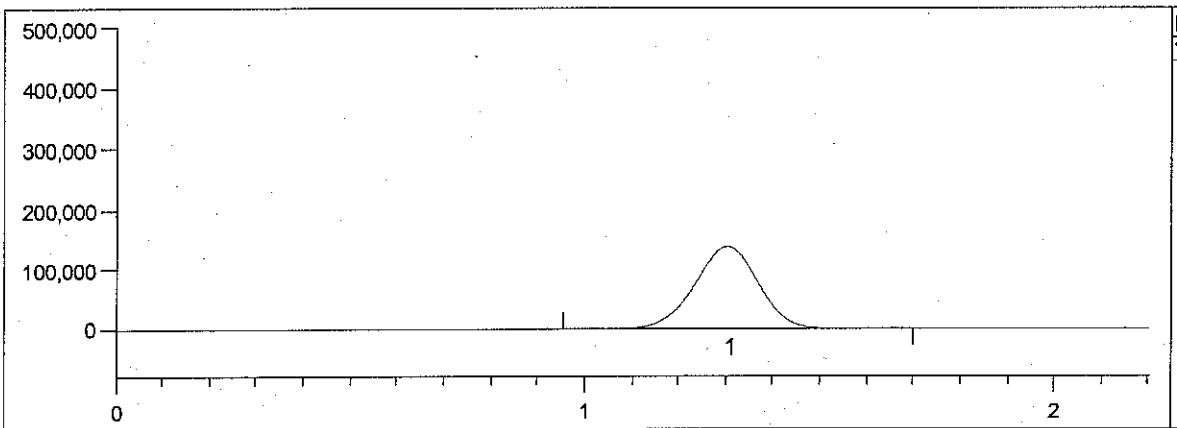


Date: 11/10/06
Time: 9:49 AM

Peak	rt	Area
1	1.28	5,450,296

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	S	K9119-01		1	5,450,296	527	19.1		< HS	accept

Notes:



Date: 11/10/06
Time: 9:52 AM

Peak	rt	Area
1	1.33	13,525,484

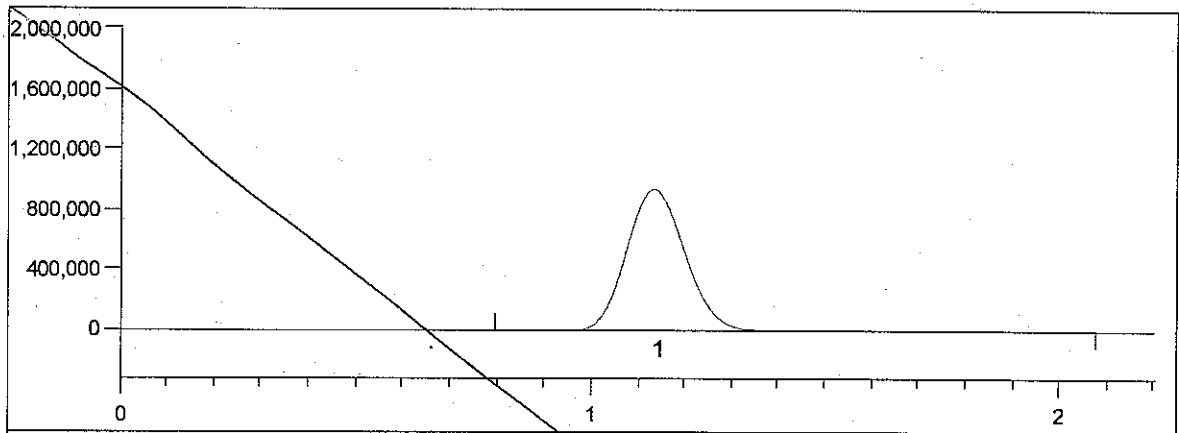
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	S	K9119-02		1	13,525,484	1,310	52.1		< HS	accept

Notes:

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena



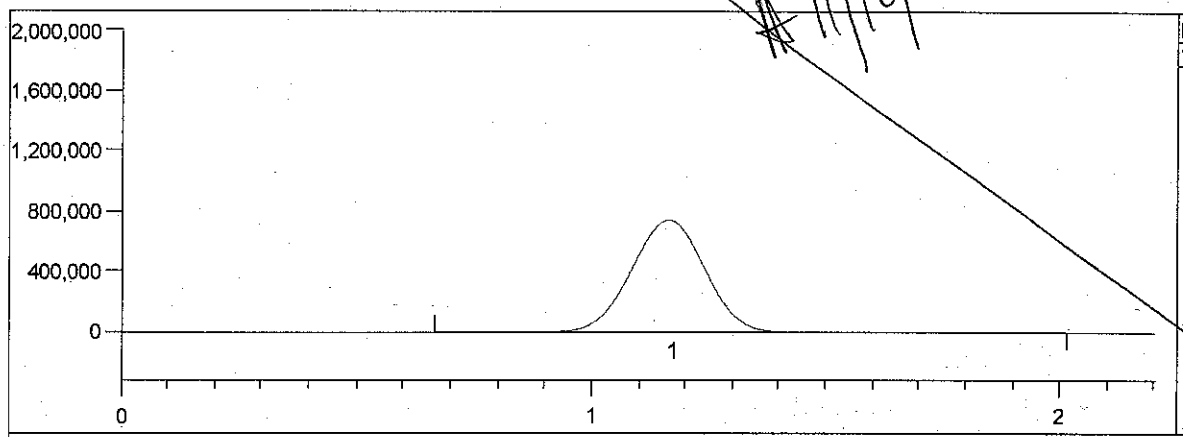
Date: 11/10/06
Time: 10:03 AM

Peak	rt	Area
1	1.16	84,836,146

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	MS	K8882-10		1	84,836,146	8,250	296	158	70-130	reject

Notes:

11/10/06

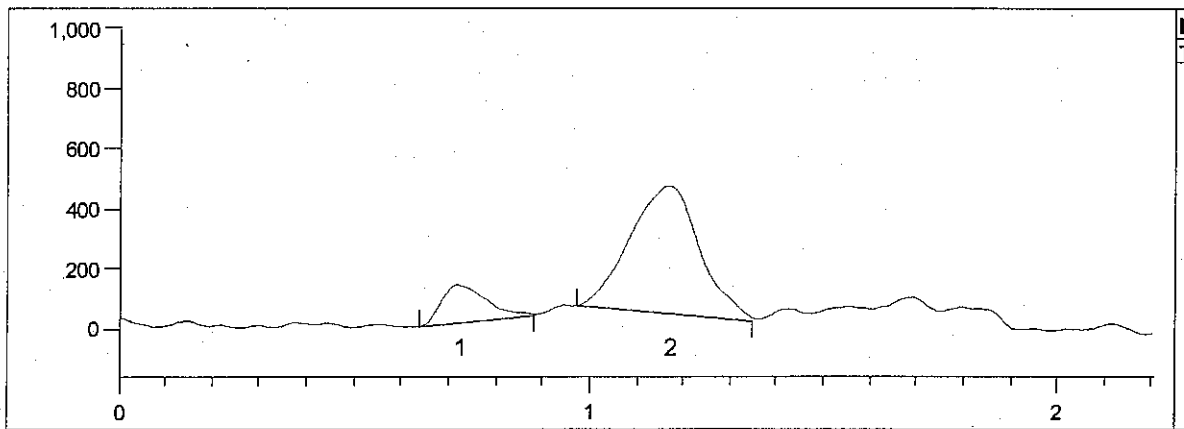


Date: 11/10/06
Time: 10:25 AM

Peak	rt	Area
1	1.18	85,110,178

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	MS	K8882-10		1	85,110,178	8,280	297	159	70-130	reject

Notes:



Date: 11/10/06
Time: 10:28 AM

Peak	rt	Area
1	0.73	8,412
2	1.19	43,771

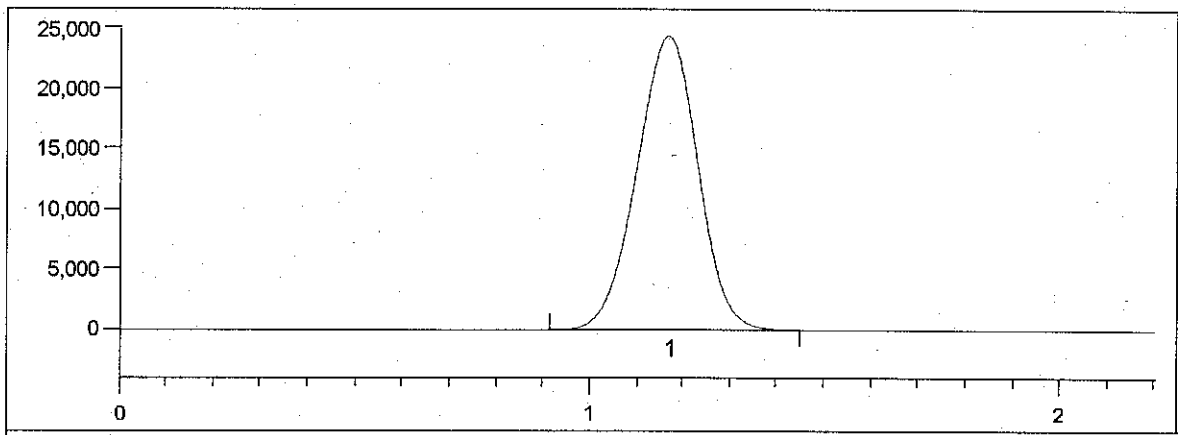
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	MBA	MB-3		2	43,771	0.743	0.0149	0.0149	< 1	accept

Notes:

Batch Number: KA0502183
Method Number: EPA 1631 Appdx

Project Number(s): Soils
Instrument ID: K-AFS-01

Date Analyzed: 11/10/06
Analyst Name: Dena

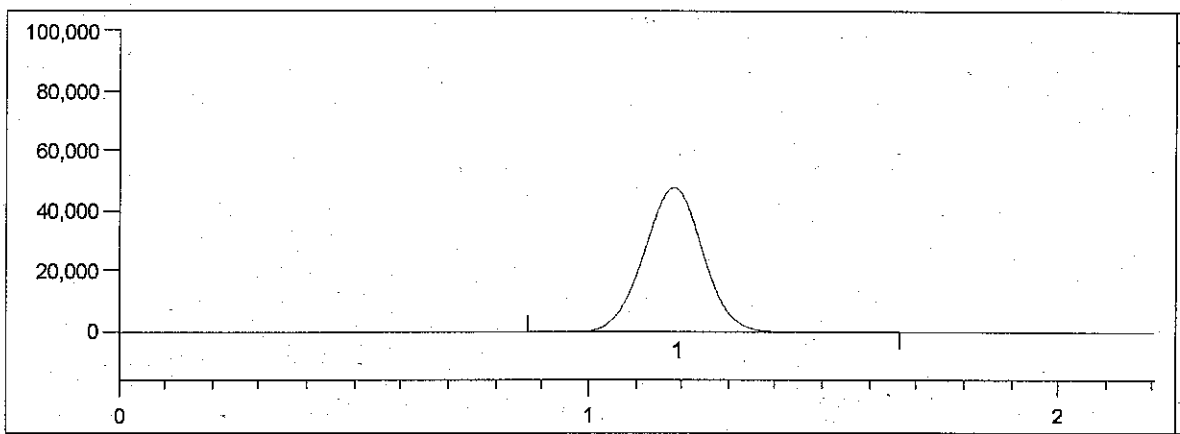


Date: 11/10/06
Time: 10:32 AM

Peak	rt	Area
1	1.19	2,277,654

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	OPR	OPR-2		1	2,277,654	218	4.36	87.3	70-130	accept

Notes:

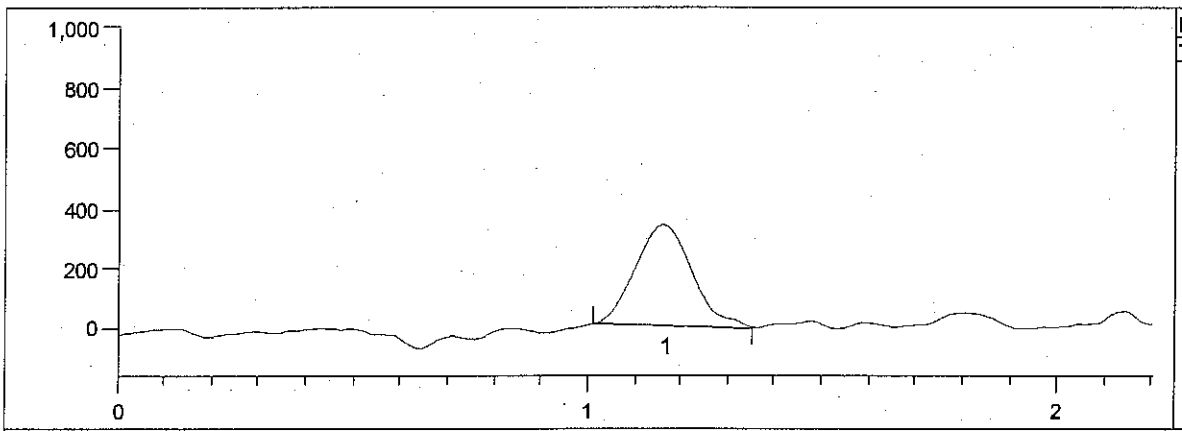


Date: 11/10/06
Time: 10:35 AM

Peak	rt	Area
1	1.20	4,348,804

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	QCS	VER-3		1	4,348,804	423	4.23	84.6	77-123	accept

Notes:



Date: 11/10/06
Time: 10:38 AM

Peak	rt	Area
1	1.18	28,694

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	CB	BB (VER)		1	28,694	2.79		2.79	< 50	accept

Notes:

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCIT6	K0608882-001
SCIT7	K0608882-002
SCIT7D	K0608882-002D
SCIT7S	K0608882-002S
SCIT8	K0608882-003
SCIT10	K0608882-004
SCSD23	K0608882-005
SCSD24	K0608882-006
SCSD25	K0608882-007
SCSS26 9/27	K0608882-010
SCSS26 9/27D	K0608882-010D
SCSS26 9/27S	K0608882-010S
SCSS26 9/28	K0608882-011
SCSS27 9/27	K0608882-012
SCSS27 9/28	K0608882-013
SCSD20	K0608882-014
SCSD21	K0608882-015
SCSD22	K0608882-016
SCSD26	K0608882-017
SCSD28	K0608882-018
SCIT13	K0608882-020
SCSD27 10/4	K0608882-031
SCIT12 10/4	K0608882-032

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:

Signature: [signature]

Date: 11/20/06

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
Method Blank	K0608882-MB

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:

Signature: _____ Date: _____

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT6 Lab Code: K0608882-001

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.23	0.27	20	10/19/06	10/23/06	5.97		
Cadmium	6020	0.223	0.013	20	10/19/06	10/23/06	0.075	B	
Copper	6020	0.45	0.27	20	10/19/06	10/23/06	177		
Lead	6020	0.22	0.09	20	10/19/06	10/23/06	2.05		
Mercury	7471A	0.018	0.003	1	10/23/06	10/24/06	0.052		
Nickel	6020	0.89	0.22	20	10/19/06	10/23/06	10.6		
Selenium	6020	4.5	0.9	20	10/19/06	10/23/06	1.3	B	
Silver	6020	0.022	0.007	5	10/19/06	10/23/06	0.437		
Vanadium	6020	0.89	0.09	20	10/19/06	10/23/06	92.9		
Zinc	6020	2.2	1.3	20	10/19/06	10/23/06	41.0		

% Solids: 75.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT7 Lab Code: K0608882-002

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.21	0.27	20	10/19/06	10/23/06	2.40		
Cadmium	6020	0.221	0.013	20	10/19/06	10/23/06	0.055	B	
Copper	6020	4.42	2.65	200	10/19/06	10/23/06	1580		
Lead	6020	0.22	0.09	20	10/19/06	10/23/06	1.47		
Mercury	7471A	0.020	0.004	1	10/23/06	10/24/06	0.086		
Nickel	6020	0.88	0.22	20	10/19/06	10/23/06	12.6		
Selenium	6020	4.4	0.9	20	10/19/06	10/23/06	1.2	B	
Silver	6020	0.022	0.007	5	10/19/06	10/23/06	0.950		
Vanadium	6020	0.88	0.09	20	10/19/06	10/23/06	160		
Zinc	6020	2.2	1.3	20	10/19/06	10/23/06	175		

% Solids: 75.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT8 Lab Code: K0608882-003

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.32	0.28	20	10/19/06	10/23/06	2.65		
Cadmium	6020	0.232	0.014	20	10/19/06	10/23/06	0.065	B	
Copper	6020	4.64	2.78	200	10/19/06	10/23/06	1590		
Lead	6020	0.23	0.09	20	10/19/06	10/23/06	1.60		
Mercury	7471A	0.020	0.004	1	10/23/06	10/24/06	0.103		
Nickel	6020	0.93	0.23	20	10/19/06	10/23/06	12.4		
Selenium	6020	4.6	0.9	20	10/19/06	10/23/06	1.3	B	
Silver	6020	0.023	0.007	5	10/19/06	10/23/06	1.010		
Vanadium	6020	0.93	0.09	20	10/19/06	10/23/06	165		
Zinc	6020	2.3	1.4	20	10/19/06	10/23/06	43.1		

% Solids: 72.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/29/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT10 Lab Code: K0608882-004

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.17	0.26	20	10/19/06	10/23/06	5.42		
Cadmium	6020	0.217	0.013	20	10/19/06	10/23/06	0.045	B	
Copper	6020	0.43	0.26	20	10/19/06	10/23/06	22.0		
Lead	6020	0.22	0.09	20	10/19/06	10/23/06	1.58		
Mercury	7471A	0.019	0.004	1	10/23/06	10/24/06	0.011	B	
Nickel	6020	0.87	0.22	20	10/19/06	10/23/06	8.66		
Selenium	6020	4.3	0.9	20	10/19/06	10/23/06	0.9	U	
Silver	6020	0.022	0.007	5	10/19/06	10/23/06	0.152		
Vanadium	6020	0.87	0.09	20	10/19/06	10/23/06	79.0		
Zinc	6020	2.2	1.3	20	10/19/06	10/23/06	37.2		

% Solids: 76.1

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD23 Lab Code: K0608882-005

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.19	0.26	20	10/19/06	10/23/06	2.28		

% Solids: 75.5

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD24 Lab Code: K0608882-006

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.21	0.27	20	10/19/06	10/23/06	3.13		

% Solids: 76.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD25 Lab Code: K0608882-007

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.40	0.29	20	10/19/06	10/23/06	3.54		

% Solids: 70.1

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSS26 9/27 Lab Code: K0608882-010

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.057	0.046	5	10/19/06	10/23/06	0.164		
Arsenic	6020	2.28	0.27	20	10/19/06	10/23/06	4.31		
Copper	6020	0.46	0.27	20	10/19/06	10/23/06	59.3		
Lead	6020	0.23	0.09	20	10/19/06	10/23/06	13.8		
Selenium	7742	0.11	0.02	2	10/19/06	11/9/06	0.13		
Vanadium	6020	0.91	0.09	20	10/19/06	10/23/06	138		
Zinc	6020	2.3	1.4	20	10/19/06	10/23/06	38.6		

% Solids: 73.1

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/28/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSS26 9/28 Lab Code: K0608882-011

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.059	0.047	5	10/19/06	10/23/06	0.122		
Arsenic	6020	2.31	0.28	20	10/19/06	10/23/06	4.51		
Copper	6020	0.46	0.28	20	10/19/06	10/23/06	72.3		
Lead	6020	0.23	0.09	20	10/19/06	10/23/06	17.0		
Selenium	7742	0.12	0.02	2	10/19/06	11/9/06	0.25		
Vanadium	6020	0.93	0.09	20	10/19/06	10/23/06	138		
Zinc	6020	2.3	1.4	20	10/19/06	10/23/06	38.9		

% Solids: 71.5

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSS27 9/27 Lab Code: K0608882-012

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.047	0.037	5	10/19/06	10/23/06	2.360		
Arsenic	6020	1.84	0.22	20	10/19/06	10/23/06	3.83		
Copper	6020	18.40	11.10	1000	10/19/06	10/23/06	7260		
Lead	6020	0.18	0.07	20	10/19/06	10/23/06	351		
Selenium	7742	0.09	0.02	2	10/19/06	11/9/06	1.88		
Vanadium	6020	0.74	0.07	20	10/19/06	10/23/06	188		
Zinc	6020	1.8	1.1	20	10/19/06	10/23/06	68.0		

% Solids: 59.9

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/28/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSS27 9/28 Lab Code: K0608882-013

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.062	0.049	5	10/19/06	10/23/06	0.342		
Arsenic	6020	2.49	0.30	20	10/19/06	10/23/06	1.64	B	
Copper	6020	9.98	5.99	400	10/19/06	10/23/06	4270		
Lead	6020	0.25	0.10	20	10/19/06	10/23/06	16.7		
Selenium	7742	0.13	0.02	2	10/19/06	11/9/06	1.32		
Vanadium	6020	1.00	0.10	20	10/19/06	10/23/06	219		
Zinc	6020	2.5	1.5	20	10/19/06	10/23/06	61.2		

% Solids: 80.2

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/28/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD20 Lab Code: K0608882-014

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.11	0.25	20	10/19/06	10/23/06	3.60		
Copper	6020	0.42	0.25	20	10/19/06	10/23/06	18.6		
Mercury	7471A	0.019	0.004	1	10/23/06	10/24/06	0.023		
Nickel	6020	0.84	0.21	20	10/19/06	10/23/06	7.08		
Selenium	7742	0.11	0.02	2	10/19/06	11/9/06	0.17		
Vanadium	6020	0.84	0.08	20	10/19/06	10/23/06	49.0		

% Solids: 78.4

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/28/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD21 Lab Code: K0608882-015

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.47	0.30	20	10/19/06	10/23/06	7.87		
Copper	6020	0.49	0.30	20	10/19/06	10/23/06	76.5		
Mercury	7471A	0.020	0.004	1	10/23/06	10/24/06	0.036		
Nickel	6020	0.99	0.25	20	10/19/06	10/23/06	23.1		
Selenium	7742	0.12	0.02	2	10/19/06	11/9/06	0.23		
Vanadium	6020	0.99	0.10	20	10/19/06	10/23/06	156		

% Solids: 80.9

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD22 Lab Code: K0608882-016

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.07	0.25	20	10/19/06	10/23/06	2.45		
Copper	6020	0.41	0.25	20	10/19/06	10/23/06	14.4		
Mercury	7471A	0.019	0.004	1	10/23/06	10/24/06	0.009	B	
Nickel	6020	0.83	0.21	20	10/19/06	10/23/06	8.46		
Selenium	7742	0.10	0.02	2	10/19/06	11/9/06	0.17		
Vanadium	6020	0.83	0.08	20	10/19/06	10/23/06	59.3		

% Solids: 69.6

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/04/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD26 Lab Code: K0608882-017

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.36	0.28	20	10/19/06	10/23/06	3.49		
Copper	6020	0.47	0.28	20	10/19/06	10/23/06	136		
Mercury	7471A	0.018	0.004	1	10/23/06	10/24/06	0.047		
Nickel	6020	0.95	0.24	20	10/19/06	10/23/06	9.30		
Selenium	7742	0.12	0.02	2	10/19/06	11/9/06	0.27		
Vanadium	6020	0.95	0.09	20	10/19/06	10/23/06	100		

% Solids: 70.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/06/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD28 Lab Code: K0608882-018

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.16	0.26	20	10/19/06	10/23/06	3.65		
Copper	6020	0.43	0.26	20	10/19/06	10/23/06	205		
Mercury	7471A	0.020	0.004	1	10/23/06	10/24/06	0.045		
Nickel	6020	0.86	0.22	20	10/19/06	10/23/06	8.46		
Selenium	7742	0.11	0.02	2	10/19/06	11/9/06	0.25		
Vanadium	6020	0.86	0.09	20	10/19/06	10/23/06	96.7		

% Solids: 77.3

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/06/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT13 Lab Code: K0608882-020

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.18	0.26	20	10/19/06	10/23/06	2.87		
Cadmium	6020	0.218	0.013	20	10/19/06	10/23/06	0.246		
Copper	6020	0.44	0.26	20	10/19/06	10/23/06	153		
Lead	6020	0.22	0.09	20	10/19/06	10/23/06	1.55		
Mercury	7471A	0.019	0.004	1	10/23/06	10/24/06	0.072		
Nickel	6020	0.87	0.22	20	10/19/06	10/23/06	10.7		
Selenium	6020	4.4	0.9	20	10/19/06	10/23/06	0.9	U	
Silver	6020	0.022	0.006	5	10/19/06	10/23/06	0.163		
Vanadium	6020	0.87	0.09	20	10/19/06	10/23/06	82.4		
Zinc	6020	2.2	1.3	20	10/19/06	10/23/06	35.6		

% Solids: 76.6

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/04/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SEDIMENT	Units:	MG/KG
		Basis:	Dry

Sample Name: SCSD27 10/4 Lab Code: K0608882-031

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.25	0.27	20	10/19/06	10/23/06	5.15		
Copper	6020	0.45	0.27	20	10/19/06	10/23/06	50.1		
Mercury	7471A	0.020	0.004	1	10/23/06	10/24/06	0.014	B	
Nickel	6020	0.90	0.23	20	10/19/06	10/23/06	16.5		
Selenium	7742	0.11	0.02	2	10/19/06	11/9/06	0.28		
Vanadium	6020	0.90	0.09	20	10/19/06	10/23/06	92.1		

% Solids: 74.8

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/04/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT12 10/4 Lab Code: K0608882-032

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	2.16	0.26	20	10/19/06	10/23/06	2.21		
Cadmium	6020	0.216	0.013	20	10/19/06	10/23/06	0.013	U	
Copper	6020	4.33	2.60	200	10/19/06	10/23/06	1370		
Lead	6020	0.22	0.09	20	10/19/06	10/23/06	1.47		
Mercury	7471A	0.018	0.004	1	10/23/06	10/24/06	0.243		
Nickel	6020	0.87	0.22	20	10/19/06	10/23/06	14.0		
Selenium	6020	4.3	0.9	20	10/19/06	10/23/06	1.3	B	
Silver	6020	0.022	0.007	5	10/19/06	10/23/06	1.260		
Vanadium	6020	0.87	0.09	20	10/19/06	10/23/06	296		
Zinc	6020	2.2	1.3	20	10/19/06	10/23/06	48.5		

% Solids: 76.4

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Matrix: SOIL

Service Request: K0608882

Date Collected:

Date Received:

Units: MG/KG

Basis: Dry

Sample Name: Method Blank

Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Antimony	6020	0.050	0.040	5	10/19/06	10/23/06	0.040	U	
Arsenic	6020	0.50	0.06	5	10/19/06	10/23/06	0.06	U	
Cadmium	6020	0.050	0.003	5	10/19/06	10/23/06	0.003	U	
Copper	6020	0.10	0.06	5	10/19/06	10/23/06	0.06	B	
Lead	6020	0.05	0.02	5	10/19/06	10/23/06	0.02	B	
Mercury	7471A	0.020	0.004	1	10/23/06	10/24/06	0.004	U	
Nickel	6020	0.20	0.05	5	10/19/06	10/23/06	0.05	U	
Selenium	7742	0.10	0.02	2	10/19/06	11/9/06	0.02	U	
Selenium	6020	1.0	0.2	5	10/19/06	10/23/06	0.2	U	
Silver	6020	0.020	0.006	5	10/19/06	10/23/06	0.006	U	
Vanadium	6020	0.20	0.02	5	10/19/06	10/23/06	0.02	U	
Zinc	6020	0.5	0.3	5	10/19/06	10/23/06	0.3	U	

% Solids: 100.0

Comments:

Form I - AF

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony	25.0	26.3	105	25.0	25.2	101	24.9	100	6020
Arsenic	25.0	26.4	106	25.0	25.0	100	24.8	99	6020
Cadmium	12.5	13.0	104	25.0	25.3	101	25.6	102	6020
Copper	12.5	12.7	102	25.0	25.0	100	24.3	97	6020
Lead	25.0	26.5	106	25.0	25.1	100	25.3	101	6020
Mercury	5.0	5.17	103	5.0	5.16	103	5.17	103	7471A
Nickel	25.0	25.6	102	25.0	25.0	100	24.1	96	6020
Selenium	25.0	26.7	107	25.0	24.9	100	25.7	102	6020
Selenium	10.0	10.4	104	10.0	10.3	103	10.7	107	7742
Silver	12.5	12.9	103	25.0	25.3	101	25.0	100	6020
Vanadium	25.0	25.8	103	25.0	25.0	100	24.8	99	6020
Zinc	25.0	25.3	101	25.0	25.0	100	25.2	101	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Antimony				25.0	24.9	100			6020
Arsenic				25.0	25.0	100	25.2	101	6020
Cadmium				25.0	25.1	100	25.7	103	6020
Copper				25.0	24.6	98	24.9	99	6020
Lead				25.0	24.5	98	25.1	100	6020
Mercury				5.0	5.27	105			7471A
Nickel				25.0	24.9	99	25.1	100	6020
Selenium				25.0	25.1	100	25.4	102	6020
Selenium				10.0	10.4	104	10.7	107	7742
Silver				25.0	24.8	99			6020
Vanadium				25.0	25.9	104	26.3	105	6020
Zinc				25.0	25.2	101	25.4	102	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				25.0	25.3	101	25.4	102	6020
Cadmium				25.0	25.5	102	25.5	102	6020
Copper				25.0	25.3	101	24.9	100	6020
Lead				25.0	24.3	97	24.4	98	6020
Nickel				25.0	25.2	101	25.3	101	6020
Selenium				25.0	25.3	101	25.7	102	6020
Selenium				10.0	11.0	110	10.9	109	7742
Vanadium				25.0	26.6	106	26.8	107	6020
Zinc				25.0	25.1	100	25.5	102	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				25.0	25.1	100			6020
Cadmium				25.0	25.4	102			6020
Copper				25.0	24.9	100			6020
Lead				25.0	24.2	97			6020
Nickel				25.0	25.3	101			6020
Selenium				25.0	25.3	101			6020
Selenium				10.0	10.8	108	10.8	108	7742
Vanadium				25.0	26.9	108			6020
Zinc				25.0	25.4	102			6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Selenium				10.0	10.9	109			7742

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Antimony				0.10	0.12	121		
Arsenic				0.50	0.61	121		
Cadmium				0.05	0.021	43		
Copper				0.20	0.14	72		
Lead				0.02	0.02	117		
Mercury	0.20	0.190	95					
Nickel				0.40	0.25	63		
Selenium				1.0	1.31	131		
Selenium	0.50	0.64	129					
Silver				0.04	0.037	93		
Vanadium				0.40	0.18	46		
Zinc				1.0	0.57	57		

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Antimony	0.080	U	0.080	U	0.08	U	0.080	U					6020
Arsenic	0.12	U	0.12	U	0.12	U	0.12	U					6020
Cadmium	0.006	B	0.006	U	0.008	B	0.006	B					6020
Copper	0.12	U	0.12	U	0.12	U	0.12	U					6020
Lead	0.04	U	0.04	U	0.04	U	0.04	U					6020
Mercury	0.040	U	0.040	U	0.04	U	0.040	U					7471A
Nickel	0.10	U	0.10	U	0.10	U	0.10	U					6020
Selenium	0.4	U	0.4	U	0.4	U	0.4	U					6020
Selenium	0.13	B	0.12	B	0.12	B	0.10	U					7742
Silver	0.033	B	0.012	U	0.01	B	0.012	U					6020
Vanadium	0.04	U	0.04	U	0.04	U	0.04	U					6020
Zinc	0.6	U	0.6	U	0.6	U	0.6	U					6020

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Arsenic			0.12	U	0.12	U	0.12	U					6020
Cadmium			0.010	B	0.006	B	0.006	B					6020
Copper			0.12	U	0.17	B	0.12	U					6020
Lead			0.04	U	0.04	U	0.04	U					6020
Nickel			0.10	U	0.10	U	0.10	U					6020
Selenium			0.4	U	0.4	U	0.4	U					6020
Selenium			0.10	B	0.11	B	0.15	B					7742
Vanadium			0.04	U	0.04	U	0.04	U					6020
Zinc			0.6	U	0.6	U	0.6	U					6020

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Arsenic			0.12	U									6020
Cadmium			0.008	B									6020
Copper			0.12	U									6020
Lead			0.04	U									6020
Nickel			0.10	U									6020
Selenium			0.4	U									6020
Selenium			0.10	U	0.10	U	0.10	U					7742
Vanadium			0.04	U									6020
Zinc			0.6	U									6020

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Antimony			0.095	0.093				
Arsenic		20	0.21	22.7	114			
Cadmium		20	0.326	23.8	119			
Copper		20	0.30	21.5	108			
Lead			0.21	0.18				
Nickel		20	0.24	21.7	109			
Selenium			0.3	0.1				
Silver		20	0.069	18.8	94			
Vanadium								
Zinc		20	1.2	24.0	120			

METALS

- 5a -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Service Request: K0608882
Units: mg/kg
Basis: Dry
% Solids: 75.5

Sample Name: SCIT7S
Lab Code: K0608882-002S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Mercury	60 - 128	0.600		0.086		0.482	107		7471A

An empty field in the Control Limit column indicates the control limit is not applicabl

Form V (PART 1) - IN

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Service Request: K0608882
Units: mg/kg
Basis: Dry
% Solids: 73.1

Sample Name: SCSS26 9/27S
Lab Code: K0608882-010S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Antimony	20 - 108	41.2		0.164		113	36		6020
Arsenic	74 - 120	98.0		4.31		114	82		6020
Cadmium	63 - 136	12.5		0.174	B	11.4	108		6020
Copper	52 - 153	122		59.3		57.0	110		6020
Lead	66 - 134	152		13.8		114	121		6020
Nickel	77 - 128	105		7.10		114	86		6020
Selenium	62 - 123	130		0.13		114	114		7742
Selenium	74 - 119	101		0.9	U	114	89		6020
Silver	83 - 107	11.9		0.313		11.3	103		6020
Vanadium	70 - 130	244		138		114	93		6020
Zinc	57 - 156	131		38.6		114	81		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Sample Name: SCSS26 9/27A
Lab Code: K0608882-010A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Antimony	75-125	21.5		0.288		20.0	106		MS
Arsenic	75-125	19.3		1.89		20.0	87		MS
Cadmium	75-125	22.0		0.076	B	20.0	110		MS
Copper	75-125	43.6		26.0		20.0	88		MS
Lead	75-125	27.9		6.03		20.0	109		MS
Nickel	75-125	20.5		3.11		20.0	87		MS
Selenium	75-125	18.4		0.4	U	20.0	92		MS
Silver	75-125	20.6		0.550		20.0	100		MS
Vanadium	75-125	82.9		60.4		20.0	113		MS
Zinc	75-125	33.7		16.9		20.0	84		MS

Comments:

METALS

- 6 -

DUPLICATES

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Units:	mg/kg
Project Name:	Alaska Salt Chuck Mine	Basis:	Dry
Matrix:	SOIL	% Solids:	75.5

Sample Name: SCIT7D Lab Code: K0608882-002D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Mercury		0.086		0.088		3		7471A

An empty field in the Control Limit column indicates the control limit is not applicabl

Form VI - IN

METALS
- 6 -
DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Service Request: K0608882
Units: mg/kg
Basis: Dry
% Solids: 73.1

Sample Name: SCSS26 9/27D
Lab Code: K0608882-010D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Antimony		0.164		0.120		31		6020
Arsenic		4.31		4.69		8		6020
Cadmium		0.174	B	0.156	B	11		6020
Copper	30	59.3		65.5		10		6020
Lead	30	13.8		15.4		11		6020
Nickel	30	7.10		8.40		17		6020
Selenium		0.13		0.13		2		7742
Selenium		0.9	U	0.9	U			6020
Silver	30	0.313		0.364		15		6020
Vanadium	30	138		146		6		6020
Zinc	30	38.6		41.5		7		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source: ERA Lot No. D045540

Analyte	Aqueous mg/L True	Aqueous mg/L Found	Aqueous mg/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits	Solid (mg/kg) %R
Antimony				86.2	76.0	0.0500	192	88
Arsenic				146	139	112	180	95
Cadmium				92.8	96.7	73.9	112	104
Copper				67.0	69.9	53.8	80.2	104
Lead				67.5	75.4	53.1	81.9	112
Mercury				1.77	1.79	1.21	2.34	101
Nickel				80.0	84.7	65.0	95.0	106
Selenium				70.5	68.2	53.3	87.7	97
Selenium				73.0	86.8	55.1	90.8	119
Silver				93.0	95.4	57.0	129	103
Vanadium				136	151	103	169	111
Zinc				380	386	300	460	102

METALS

- 9 -

ICP SERIAL DILUTIONS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Sample Name: SCSS26 9/27L

Lab Code: K0608882-010L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Antimony	0.288		0.400	U			6020
Arsenic	1.89		2.15	B	14		6020
Cadmium	0.076	B	0.067	B	13		6020
Copper	26.0		30.9		19	E	6020
Lead	6.03		6.00		0		6020
Nickel	3.11		3.48		12		6020
Selenium	0.4	U	2.00	U			6020
Silver	0.550		0.844		53		6020
Vanadium	60.4		66.3		10		6020
Zinc	16.9		21.6		28		6020

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #: CETAC-1

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Mercury	253.70	BD	0.200	0.040	7471A

Comments:

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #: PE-1

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Selenium	196.00		0.50	0.10	7742

Comments:

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: X Series

GFAA ID #:

AA ID #:

Analyte	Mass	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Antimony	123		0.100	0.080	6020
Arsenic	75		1.00	0.12	6020
Cadmium	111		0.100	0.006	6020
Copper	65		0.20	0.12	6020
Lead	208		0.10	0.04	6020
Nickel	60		0.40	0.10	6020
Selenium	82		2.0	0.4	6020
Silver	107		0.040	0.012	6020
Vanadium	51		0.40	0.04	6020
Zinc	66		1.0	0.6	6020

Comments:

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Antimony	15.00	200.0	6020
Arsenic	15.00	1000.0	6020
Cadmium	15.00	1000.0	6020
Copper	15.00	400.0	6020
Lead	15.00	1000.0	6020
Nickel	15.00	400.0	6020
Selenium	15.00	1000.0	6020
Silver	15.00	100.0	6020
Vanadium	15.00	1000.0	6020
Zinc	15.00	1000.0	6020

Comments:

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: CV

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSS	10/23/06	METHOD	0.507	100
K0608882-MB	10/23/06	METHOD	1.00	100
K0608882-004	10/23/06	METHOD	1.36	100
K0608882-032	10/23/06	METHOD	1.45	100
K0608882-020	10/23/06	METHOD	1.36	100
K0608882-001	10/23/06	METHOD	1.52	100
K0608882-002	10/23/06	METHOD	1.36	100
K0608882-002D	10/23/06	METHOD	1.38	100
K0608882-002S	10/23/06	METHOD	1.37	100
K0608882-003	10/23/06	METHOD	1.41	100
K0608882-014	10/23/06	METHOD	1.35	100
K0608882-015	10/23/06	METHOD	1.26	100
K0608882-016	10/23/06	METHOD	1.51	100
K0608882-017	10/23/06	METHOD	1.57	100
K0608882-031	10/23/06	METHOD	1.34	100
K0608882-018	10/23/06	METHOD	1.31	100

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: F

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSS	10/19/06	EPA 3050B	1.00	100
K0608882-MB	10/19/06	EPA 3050B	1.00	100
K0608882-014	10/19/06	EPA 3050B	1.20	100
K0608882-015	10/19/06	EPA 3050B	1.00	100
K0608882-016	10/19/06	EPA 3050B	1.39	100
K0608882-017	10/19/06	EPA 3050B	1.21	100
K0608882-031	10/19/06	EPA 3050B	1.20	100
K0608882-018	10/19/06	EPA 3050B	1.20	100
K0608882-010	10/19/06	EPA 3050B	1.20	100
K0608882-010D	10/19/06	EPA 3050B	1.20	100
K0608882-010S	10/19/06	EPA 3050B	1.20	100
K0608882-011	10/19/06	EPA 3050B	1.20	100
K0608882-012	10/19/06	EPA 3050B	1.81	100
K0608882-013	10/19/06	EPA 3050B	1.00	100

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSS	10/19/06	EPA 3050B	1.00	100
K0608882-MB	10/19/06	EPA 3050B	1.00	100
K0608882-004	10/19/06	EPA 3050B	1.21	100
K0608882-032	10/19/06	EPA 3050B	1.21	100
K0608882-020	10/19/06	EPA 3050B	1.20	100
K0608882-001	10/19/06	EPA 3050B	1.19	100
K0608882-002	10/19/06	EPA 3050B	1.20	100
K0608882-003	10/19/06	EPA 3050B	1.19	100
K0608882-014	10/19/06	EPA 3050B	1.21	100
K0608882-015	10/19/06	EPA 3050B	1.00	100
K0608882-016	10/19/06	EPA 3050B	1.39	100
K0608882-005	10/19/06	EPA 3050B	1.21	100
K0608882-006	10/19/06	EPA 3050B	1.19	100
K0608882-007	10/19/06	EPA 3050B	1.19	100
K0608882-017	10/19/06	EPA 3050B	1.21	100
K0608882-031	10/19/06	EPA 3050B	1.19	100
K0608882-018	10/19/06	EPA 3050B	1.20	100
K0608882-010	10/19/06	EPA 3050B	1.20	100
K0608882-010D	10/19/06	EPA 3050B	1.21	100
K0608882-010S	10/19/06	EPA 3050B	1.20	100
K0608882-011	10/19/06	EPA 3050B	1.21	100
K0608882-012	10/19/06	EPA 3050B	1.81	100
K0608882-013	10/19/06	EPA 3050B	1.00	100

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSS	10/19/06	EPA 3050B	1.00	100
K0608882-MB	10/19/06	EPA 3050B	1.00	100
K0608882-004	10/19/06	EPA 3050B	1.21	100
K0608882-032	10/19/06	EPA 3050B	1.19	100
K0608882-020	10/19/06	EPA 3050B	1.21	100
K0608882-001	10/19/06	EPA 3050B	1.21	100
K0608882-002	10/19/06	EPA 3050B	1.21	100
K0608882-003	10/19/06	EPA 3050B	1.20	100
K0608882-010	10/19/06	EPA 3050B	1.20	100
K0608882-010D	10/19/06	EPA 3050B	1.20	100
K0608882-010S	10/19/06	EPA 3050B	1.21	100
K0608882-011	10/19/06	EPA 3050B	1.19	100
K0608882-012	10/19/06	EPA 3050B	1.79	100
K0608882-013	10/19/06	EPA 3050B	1.01	100

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 10/24/06

End Date: 10/24/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	16:51																X									
S0.2	1.00	16:52																X									
S0.5	1.00	16:53																X									
S1	1.00	16:54																X									
S5	1.00	16:55																X									
S10	1.00	16:56																X									
ICV	1.00	16:57																X									
ICB	1.00	16:58																X									
CCV1	1.00	16:59																X									
CCB1	1.00	17:00																X									
CRI	1.00	17:01																X									
K0608882-MB	1.00	17:02																X									
LCSS	1.00	17:03																X									
ZZZZZZ	1.00	17:04																									
K0608882-001	1.00	17:05																X									
K0608882-002	1.00	17:06																X									
K0608882-002D	1.00	17:07																X									
K0608882-002S	1.00	17:08																X									
K0608882-003	1.00	17:09																X									
K0608882-004	1.00	17:10																X									
CCV2	1.00	17:11																X									
CCB2	1.00	17:12																X									
K0608882-014	1.00	17:13																X									
K0608882-015	1.00	17:14																X									
K0608882-016	1.00	17:15																X									
K0608882-017	1.00	17:16																X									
K0608882-018	1.00	17:17																X									
K0608882-020	1.00	17:18																X									
K0608882-031	1.00	17:19																X									
K0608882-032	1.00	17:20																X									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 10/24/06

End Date: 10/24/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	17:21																									
ZZZZZZ	1.00	17:22																									
CCV3	1.00	17:23																X									
CCB3	1.00	17:24																X									
ZZZZZZ	1.00	17:25																									
ZZZZZZ	1.00	17:26																									
ZZZZZZ	1.00	17:27																									
ZZZZZZ	1.00	17:28																									
ZZZZZZ	1.00	17:29																									
ZZZZZZ	1.00	17:30																									
ZZZZZZ	1.00	17:31																									
ZZZZZZ	1.00	17:32																									
ZZZZZZ	1.00	17:33																									
ZZZZZZ	1.00	17:34																									
ZZZZZZ	1.00	17:35																									
ZZZZZZ	1.00	17:36																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/23/06

End Date: 10/23/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	09:39				X			X				X		X				X		X				X	X	
S25	1.00	09:41				X			X				X		X				X		X				X	X	
ICV	1.00	09:51				X			X				X		X				X		X				X	X	
CCV1	1.00	09:54				X			X				X		X				X		X				X	X	
ICB	1.00	09:57				X			X				X		X				X		X				X	X	
CCB1	1.00	10:00				X			X				X		X				X		X				X	X	
CRDL1	1.00	10:02				X			X				X		X				X		X				X	X	
ICSA	1.00	10:05				X			X				X		X				X		X				X	X	
ICSAB	1.00	10:08				X			X				X		X				X		X				X	X	
ZZZZZZ	1.00	10:11																									
ZZZZZZ	1.00	10:13																									
ZZZZZZ	1.00	10:16																									
ZZZZZZ	1.00	10:19																									
ZZZZZZ	5.00	10:22																									
ZZZZZZ	1.00	10:24																									
ZZZZZZ	1.00	10:27																									
CCV2	1.00	10:30				X			X				X		X				X		X				X	X	
CCB2	1.00	10:32				X			X				X		X				X		X				X	X	
ZZZZZZ	1.00	10:35																									
K0608882-MB	5.00	10:38				X			X				X		X				X		X				X	X	
LCSS	50.00	10:46				X			X				X		X				X		X				X	X	
ZK0608882-010	5.00	10:49																									
ZK0608882-010D	5.00	10:51																									
ZK0608882-010L	25.00	10:54																									
ZK0608882-010A	5.00	10:57																									
CCV3	1.00	11:04				X			X				X		X				X		X				X	X	
CCB3	1.00	11:12				X			X				X		X				X		X				X	X	
ZK0608882-010	10.00	11:16																									
ZK0608882-010D	10.00	11:19																									
K0608882-010	20.00	11:36				X							X		X										X	X	

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/23/06

End Date: 10/23/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-010D	20.00	11:39				X			X				X		X				X		X				X	X	
K0608882-010L	100.00	11:41				X			X				X		X				X		X				X	X	
K0608882-010A	20.00	11:44				X			X				X		X				X		X				X	X	
K0608882-010S	20.00	11:47				X			X				X		X				X		X				X	X	
K0608882-001	20.00	11:49				X			X				X		X				X		X				X	X	
CCV4	1.00	11:52				X			X				X		X				X		X				X	X	
CCB4	1.00	11:55				X			X				X		X				X		X				X	X	
K0608882-002	20.00	11:57				X			X						X				X		X				X	X	
K0608882-003	20.00	12:00				X			X						X				X		X				X	X	
K0608882-004	20.00	12:03				X			X				X		X				X		X				X	X	
K0608882-005	20.00	12:06				X																					
K0608882-006	20.00	12:08				X																					
K0608882-007	20.00	12:11				X																					
K0608882-011	20.00	12:14				X							X		X										X	X	
K0608882-012	20.00	12:17				X									X										X	X	
K0608882-013	20.00	12:19				X									X										X	X	
K0608882-014	20.00	12:22				X							X						X						X		
CCV5	1.00	12:29				X			X				X		X				X		X				X	X	
CCB5	1.00	12:37				X			X				X		X				X		X				X	X	
K0608882-015	20.00	12:42				X							X						X						X		
K0608882-016	20.00	12:44				X							X						X						X		
K0608882-017	20.00	12:47				X							X						X						X		
K0608882-018	20.00	12:50				X							X						X						X		
K0608882-020	20.00	12:52				X			X				X		X				X		X				X	X	
K0608882-031	20.00	12:55				X							X						X						X		
K0608882-032	20.00	12:58				X			X						X				X		X				X	X	
K0608882-002	200.00	13:01											X														
K0608882-003	200.00	13:03											X														
K0608882-012	1000.00	13:06											X														
CCV6	1.00	13:09				X			X				X		X				X		X				X	X	

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/23/06

End Date: 10/23/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCB6	1.00	13:25				X			X				X		X				X		X				X	X	
K0608882-013	400.00	13:30											X														
K0608882-032	200.00	13:32											X														
CCV7	1.00	13:35				X			X				X		X				X		X				X	X	
CCB7	1.00	13:42				X			X				X		X				X		X				X	X	

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METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/23/06

End Date: 10/23/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	13:58			X																	X					
S25	1.00	14:00			X																	X					
ICV	1.00	14:03			X																	X					
CCV1	1.00	14:05			X																	X					
ICB	1.00	14:07			X																	X					
CCB1	1.00	14:09			X																	X					
CRDL1	1.00	14:10			X																	X					
ICSA	1.00	14:12			X																	X					
ICSAB	1.00	14:14			X																	X					
K0608882-MB	5.00	14:18			X																	X					
LCSS	50.00	14:19			X																	X					
K0608882-010	5.00	14:21			X																						
K0608882-010D	5.00	14:23			X																	X					
K0608882-010L	25.00	14:24			X																	X					
K0608882-010A	5.00	14:26			X																	X					
K0608882-010S	25.00	14:28			X																	X					
CCV2	1.00	14:30			X																	X					
CCB2	1.00	14:32			X																	X					
K0608882-001	5.00	14:33																				X					
K0608882-002	5.00	14:35																				X					
K0608882-003	5.00	14:37																				X					
K0608882-004	5.00	14:39																				X					
K0608882-011	5.00	14:41			X																						
K0608882-012	5.00	14:43			X																						
K0608882-013	5.00	14:44			X																						
K0608882-020	5.00	14:46																				X					
K0608882-032	5.00	14:48																				X					
CCV3	1.00	14:50			X																	X					
CCB3	1.00	14:52			X																	X					

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	18:56																			X						
S0.5	1.00	18:58																			X						
S1	1.00	19:00																			X						
S5	1.00	19:03																			X						
S10	1.00	19:05																			X						
S15	1.00	19:07																			X						
ICV	1.00	19:10																			X						
ICB	1.00	19:12																			X						
CRI	1.00	19:14																			X						
CCV1	1.00	19:17																			X						
CCB1	1.00	19:19																			X						
ZZZZZZ	2.00	19:21																									
ZZZZZZ	400.00	19:24																									
ZZZZZZ	2.00	19:26																									
ZZZZZZ	2.00	19:28																									
ZZZZZZ	200.00	19:31																									
ZZZZZZ	2.00	19:33																									
ZZZZZZ	2.00	19:35																									
ZZZZZZ	2.00	19:38																									
ZZZZZZ	2.00	19:40																									
ZZZZZZ	400.00	19:43																									
CCV2	1.00	19:45																			X						
CCB2	1.00	19:47																			X						
ZZZZZZ	2.00	19:50																									
ZZZZZZ	2.00	19:52																									
ZZZZZZ	2.00	19:54																									
ZZZZZZ	200.00	19:57																									
ZZZZZZ	2.00	19:59																									
ZZZZZZ	2.00	20:01																									
ZZZZZZ	2.00	20:04																									

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METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	20:06																									
ZZZZZZ	2.00	20:08																									
ZZZZZZ	2.00	20:11																									
CCV3	1.00	20:13																			X						
CCB3	1.00	20:15																			X						
ZZZZZZ	2.00	20:18																									
ZZZZZZ	2.00	20:20																									
ZZZZZZ	2.00	20:23																									
ZZZZZZ	2.00	20:25																									
ZZZZZZ	2.00	20:27																									
ZZZZZZ	2.00	20:30																									
ZZZZZZ	2.00	20:32																									
ZZZZZZ	2.00	20:34																									
ZZZZZZ	2.00	20:36																									
ZZZZZZ	2.00	20:39																									
CCV4	1.00	20:41																			X						
CCB4	1.00	20:44																			X						
ZZZZZZ	2.00	20:46																									
ZZZZZZ	400.00	20:48																									
ZZZZZZ	2.00	20:51																									
ZZZZZZ	2.00	20:53																									
ZZZZZZ	2.00	20:55																									
ZZZZZZ	2.00	20:58																									
ZZZZZZ	2.00	21:00																									
ZZZZZZ	2.00	21:02																									
ZZZZZZ	2.00	21:05																									
ZZZZZZ	2.00	21:07																									
CCV5	1.00	21:09																			X						
CCB5	1.00	21:12																			X						
ZZZZZZ	2.00	21:14																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	21:16																									
ZZZZZZ	200.00	21:19																									
ZZZZZZ	2.00	21:21																									
K0608882-MB	2.00	21:23																			X						
LCSS	200.00	21:26																			X						
K0608882-010	2.00	21:28																			X						
K0608882-010D	2.00	21:30																			X						
K0608882-010S	200.00	21:33																			X						
ZK0608882-011	2.00	21:35																									
CCV6	1.00	21:37																			X						
CCB6	1.00	21:40																			X						
K0608882-012	2.00	21:42																			X						
K0608882-013	2.00	21:44																			X						
K0608882-014	2.00	21:47																			X						
K0608882-015	2.00	21:49																			X						
K0608882-016	2.00	21:52																			X						
K0608882-017	2.00	21:54																			X						
ZK0608882-018	2.00	21:56																									
K0608882-031	2.00	21:59																			X						
ZZZZZZ	2.00	22:01																									
ZZZZZZ	200.00	22:03																									
CCV7	1.00	22:05																			X						
CCB7	1.00	22:10																			X						
ZZZZZZ	2.00	22:13																									
ZZZZZZ	2.00	22:15																									
ZZZZZZ	200.00	22:17																									
ZZZZZZ	2.00	22:20																									
ZZZZZZ	2.00	22:22																									
ZZZZZZ	400.00	22:24																									
ZZZZZZ	2.00	22:27																									

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METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-011	2.00	22:29																			X						
K0608882-018	2.00	22:32																			X						
ZZZZZZ	200.00	22:34																									
CCV8	1.00	22:36																			X						
CCB8	1.00	22:39																			X						
ZZZZZZ	2.00	22:44																									
CCV9	1.00	22:47																			X						
CCV9	1.00	22:50																			X						
CCB9	1.00	22:53																			X						

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Form XIV - IN

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	9/29/06
Sample Matrix:	Water	**Date Received:**	10/13/06

Mercury, Dissolved

Prep Method:	METHOD	Units:	ng/L
Analysis Method:	1631E	Basis:	NA
Test Notes:			

Sample Name	Lab Code	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Result	Result Notes
SCSW7	K0608882-021	1.0	0.06	1	10/17/06	11/15/06	88.1	
SCSW8	K0608882-022	1.0	0.06	1	10/17/06	11/15/06	3.4	
SCSW9	K0608882-023	1.0	0.06	1	10/17/06	11/15/06	4.9	
SCSW10	K0608882-024	1.0	0.06	1	10/17/06	11/15/06	5.5	
SCSW11	K0608882-025	1.0	0.06	1	10/17/06	11/15/06	11.1	
SCSW12	K0608882-026	1.0	0.06	1	10/17/06	11/15/06	6.5	
SCSW13	K0608882-027	1.0	0.06	1	10/17/06	11/15/06	1.5	
SCSW14	K0608882-028	1.0	0.06	1	10/17/06	11/15/06	4.2	
SCSW15	K0608882-029	1.0	0.06	1	10/17/06	11/15/06	1.0	
SCSW16	K0608882-030	1.0	0.06	1	10/17/06	11/15/06	2.1	
Method Blank	K0608882-MB1	1.0	0.06	1	10/17/06	11/15/06	ND	
Method Blank	K0608882-MB2	1.0	0.06	1	10/17/06	11/15/06	ND	
Method Blank	K0608882-MB3	1.0	0.06	1	10/17/06	11/15/06	ND	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	9/29/06
Sample Matrix:	Water	**Date Received:**	10/13/06
		Date Extracted:	10/17/06
		Date Analyzed:	11/15/06

Matrix Spike/Duplicate Matrix Spike Summary
Dissolved Metals

Sample Name:	SCSW8	Units:	ng/L
Lab Code:	K0608882-022MS, K0608882-022MSD	Basis:	NA
Test Notes:			

Analyte	Prep Method	Analysis Method	MRL	Spike Level MS	Spike Level DMS	Sample Result	Spike Result MS	Spike Result DMS	Percent Recovery MS	Percent Recovery DMS	CAS Acceptance Limits	Relative Percent Difference	Result Notes
Mercury	METHOD	1631E	1.0	25	25	3.4	23.8	28.3	82	100	71-125	17	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/17/06
		Date Analyzed:	11/15/06

Ongoing Precision and Recovery (OPR) Sample Summary
Total Metals

Sample Name: Ongoing Precision and Recovery (Initial)

Units: ng/L
Basis: NA

Test Notes:

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	METHOD	1631E	5.00	3.96	79	77-123	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/17/06
		Date Analyzed:	11/15/06

Ongoing Precision and Recovery (OPR) Sample Summary
Total Metals

Sample Name: Ongoing Precision and Recovery (Final)

Units: ng/L
Basis: NA

Test Notes:

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	METHOD	1631E	5.00	4.00	80	77-123	

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
LCS Matrix:	Water	**Date Received:**	NA
		Date Extracted:	10/17/06
		Date Analyzed:	11/15/06

Quality Control Sample (QCS) Summary
Total Metals

Sample Name: Quality Control Sample

Units: ng/L
Basis: NA

Test Notes:

Analyte	Prep Method	Analysis Method	True Value	Result	Percent Recovery	CAS Percent Recovery Acceptance Limits	Result Notes
Mercury	METHOD	1631E	5.00	3.93	79	77-123	

Service Request # K8882, K9417, K9303, K9220
MS/MSD with # K8882, K9417 Water
StarLims Run # 71207

1631 Data Review Form

	Yes	No	NA
1. 20 samples (or less) in batch	X		
2. MS/MSD every 10 samples	X		
3. Current Calibration factor used	X		
4. Calibration data included	X		
5. Method blank below MRL	X		
6. 3 Bubbler Blanks ran	X		
7. Mean of Bubbler Blanks less than 25 pg	X		
8. OPR, QCS in control (77-123%)	X		
9. MS/MSD recovery 71-125%	X		
10. Spike RPD within 24%	X		
11. All samples within the linear range	X		
12. All corresponding charts included	X		
13. Dilution factors calculated	X		
14. Bench sheet signed	X		
15. Reagent Blank below 20 pg	X		

Comments

Primary Reviewed by [signature] Date 11/15/06

Secondary Reviewed by JDB Date 11/15/06

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

Run Duration:	2.25	Integration Mode:	Total Hg
Heating Time:	1.75	Integration Type:	Peak Area
Retention Start Time:	1.0	Result Units:	ng/L
Retention Stop Time:	1.75		
Calibration File:	Curve 10-31-06.brd		

11/15/06
Analytical Batch
KA0502192

Reagents

Name	Lot Number
BrCl	RE2-4-G
SnCl+HCl	AF1-24-K
NH2OH+HCl	AF1-19-E

Standards

Name	Concentration	Lot Number
OPR STD	10000ppb	AF1-24-A
QCS STD	10000ppb	AF1-24-B

Comments

PMT: 611
OFFSET: 5,076
NOISE: 386

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Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

Run	Run Type	Name/ID	Method Blank	Peak	Peak Area	Analyzed Result (pg)	Final Result (ng/L)	QA Results	Criteria	Notes
1	MBD	WB-1		1	134,902	13.1	0.131	0.131	< .5	accept
2	MBA	MB-1	MBD	1	228,881	15.4	0.0229	0.0229	< 1.0	accept
3	MBA	MB-2	MBD	1	234,637	16.0	0.0285	0.0285	< 1.0	accept
4	OPR	OPR-1	MBD	1	4,273,570	409	3.96	79.2	77-123	accept
5	QCS	QCS-1	MBD	1	4,246,810	406	3.93	78.7	77-123	accept
6	S	K8882-22		1	3,509,159	335	3.35		< HS	accept
7	MS	K8882-22		2	24,476,488	2,380	23.8	81.6	71-125	accept
8	MSD	K8882-22		1	29,159,410	2,830	28.3	99.8	71-125	accept
9	S	K8882-21		1	90,559,775	8,810	88.1		< HS	accept
10	S	K8882-23		1	5,139,422	493	4.93		< HS	accept
11	S	K8882-24		1	5,683,519	546	5.46		< HS	accept
12	S	K8882-25		1	11,432,346	1,110	11.1		< HS	accept
13	CB	BB (OPR-1)		1	64,332	6.26		6.26	< 50	accept
14	CB	BB (QCS)		1	50,111	4.88		4.88	< 50	accept
15	S	K8882-26		1	6,788,408	654	6.54		< HS	accept
16	S	K8882-27		1	1,618,727	151	1.51		< HS	accept
17	S	K8882-28		1	4,435,871	425	4.25		< HS	accept
18	S	K8882-29		1	1,103,954	101	1.01		< HS	accept
19	S	K8882-30		1	2,190,550	206	2.06		< HS	accept
20	S	K9417-01		1	1,870,927	175	1.75		< HS	accept
21	MS	K9417-01		1	21,698,415	2,100	21.0	77.2	71-125	accept
22	MSD	K9417-01		1	22,047,668	2,140	21.4	78.5	71-125	accept
23	S	K9417-02		1	44,463,992	4,320	43.2		< HS	accept
24	S	K9417-03		1	2,121,358	200	2.00		< HS	accept
25	S	K9417-04		1	2,812,166	267	2.67		< HS	accept
26	S	K9303-01		1	20,701,770	2,010	20.1		< HS	accept
27	S	K9303-02		1	64,701,722	6,290	62.9		< HS	accept
28	S	K9303-03		1	65,912,814	6,410	64.1		< HS	accept
29	S	K9303-04		1	19,992,519	1,940	19.4		< HS	accept
30	S	K9303-05		1	6,014,276	578	5.78		< HS	accept
31	S	K9220-01		1	3,464,428	330	3.30		< HS	accept
32	MBA	MB-3	MBD	1	204,225	13.0	-0.00108	-0.00108	< 1.0	accept
33	OPR	OPR-2	MBD	1	4,316,635	413	4.00	80.0	77-123	accept
34	CB	BB (OPR)		1	96,854	9.43		9.43	< 50	accept

Comments

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

Bias and Precision

Run Type	Name/ID	Final Result	Units	Spike Level	Source Result	% REC	% REC Limit	RPD	RPD Limit	Notes
MS	K8882-22	23.8	ng/L	25	3.35	81.6	71-125			accept
	K9417-01	21.0	ng/L	25	1.75	77.2	71-125			accept
MSD	K8882-22	28.3	ng/L	25	3.35	99.8	71-125	17.5	< 24	accept
	K9417-01	21.4	ng/L	25	1.75	78.5	71-125	1.60	< 24	accept
OPR	OPR-1	3.96	ng/L	5		79.2	77-123			accept
	OPR-2	4.00	ng/L	5		80.0	77-123			accept
QCS	QCS-1	3.93	ng/L	5		78.7	77-123			accept

Calibration

QA Sample Type	Name/ID	Analyzed Result	Units	Spike Level	% REC	% REC Limit	RSD	RSD Limit	Notes
Calibration	20	19.8	pg	20	99.0	75-125			accept
	500	531	pg	500	106	75-125			accept
	2000	2,030	pg	2000	101	75-125			accept
	5000	5,410	pg	5000	108	75-125			accept
	20000	19,400	pg	20000	97.0	75-125			accept
	10	9.75	pg	10	97.5	75-125			accept
	50	47.6	pg	50	95.2	75-125			accept
	200	195	pg	200	97.5	75-125			accept
Calibration Factor		0.0000973	pg/PA				4.50	< 15	accept
Calibration Date		10/31/06							

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

Blank Summary

QA Sample Type	Name/ID	Analyzed Result	Units	Criteria	StDev	StDev Limit	Notes
CB	BB (OPR-1)	6.26	pg	< 50			accept
	BB (QCS)	4.88	pg	< 50			accept
	BB (OPR)	9.43	pg	< 50			accept
Average		6.85	pg	< 25	2.33	< 10	accept
MBA	MB-1	0.0229	ng/L	< 1.0			accept
	MB-2	0.0285	ng/L	< 1.0			accept
	MB-3	-0.00108	ng/L	< 1.0			accept
Average		0.0168	ng/L		0.0157		
MBD	WB-1	0.131	ng/L	< .5			accept

Comments

PMT: 611
OFFSET: 5,076
NOISE: 386

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

Run	Name/ID	Final Result (ng/L)	Notes
9	K8882-21	88.1	accepted
6	K8882-22	3.35	accepted
10	K8882-23	4.93	accepted
11	K8882-24	5.46	accepted
12	K8882-25	11.1	accepted
15	K8882-26	6.54	accepted
16	K8882-27	1.51	accepted
17	K8882-28	4.25	accepted
18	K8882-29	1.01	accepted
19	K8882-30	2.06	accepted
31	K9220-01	3.30	accepted
26	K9303-01	20.1	accepted
27	K9303-02	62.9	accepted
28	K9303-03	64.1	accepted
29	K9303-04	19.4	accepted
30	K9303-05	5.78	accepted
20	K9417-01	1.75	accepted
23	K9417-02	43.2	accepted
24	K9417-03	2.00	accepted
25	K9417-04	2.67	accepted

HgGuru ver 3.0 (1) 2003 Brooks Rand LLC

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

Run	Run Type	Name/ID	Method Blank	Sample Vol/Wt	Dilution Vol (ml)	Analyzed Vol (ml)	Expected Value	Notes
1	MBD	WB-1		100	100	100		
2	MBA	MB-1	MBD	100	100	100		
3	MBA	MB-2	MBD	100	100	100		
4	OPR	OPR-1	MBD	100	100	100	5	
5	QCS	QCS-1	MBD	100	100	100	5	
6	S	K8882-22		100	100	100		
7	MS	K8882-22		100	100	100	25	
8	MSD	K8882-22		100	100	100	25	
9	S	K8882-21		100	100	100		
10	S	K8882-23		100	100	100		
11	S	K8882-24		100	100	100		
12	S	K8882-25		100	100	100		
13	CB	BB (OPR-1)		100	100	100		
14	CB	BB (QCS)		100	100	100		
15	S	K8882-26		100	100	100		
16	S	K8882-27		100	100	100		
17	S	K8882-28		100	100	100		
18	S	K8882-29		100	100	100		
19	S	K8882-30		100	100	100		
20	S	K9417-01		100	100	100		
21	MS	K9417-01		100	100	100	25	
22	MSD	K9417-01		100	100	100	25	
23	S	K9417-02		100	100	100		
24	S	K9417-03		100	100	100		
25	S	K9417-04		100	100	100		
26	S	K9303-01		100	100	100		
27	S	K9303-02		100	100	100		
28	S	K9303-03		100	100	100		
29	S	K9303-04		100	100	100		
30	S	K9303-05		100	100	100		
31	S	K9220-01		100	100	100		
32	MBA	MB-3	MBD	100	100	100		
33	OPR	OPR-2	MBD	100	100	100	5	
34	CB	BB (OPR)		100	100	100		

Columbia Analytical Services
Metals Digestion Sheet

Service Requests:

Method : **1631E** | Analysis for : **CVAFS**

Sample	StarLims #	Date Prepped	> BrCl	Oxidized Vol. (ml)	Analyzed Vol. (ml)	Analyzed Dil. Vol. (ml)	Matrix
Method Blank		10/23/2006	X	500	100	100	0.5% BrCl
Method Blank		10/23/2006	X	500	100	100	0.5% BrCl
OPR 1			X	500	100	100	0.5% BrCl
QCS			X	500	100	100	0.5% BrCl
K8882-21	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-22	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-22MS	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-22DMS	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-23	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-24	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-25	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-26	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-27	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-28	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-29	39139	10/17/2006	X	500	100	100	0.5% BrCl
K8882-30	39139	10/17/2006	X	500	100	100	0.5% BrCl
K9417-01	40057	11/1/2006	X	500	100	100	0.5% BrCl
K9417-01MS	40057	11/1/2006	X	500	100	100	0.5% BrCl
K9417-01DMS	40057	11/1/2006	X	500	100	100	0.5% BrCl
K9417-02	40057	11/1/2006	X	500	100	100	0.5% BrCl
K9417-03	40057	11/1/2006	X	500	100	100	0.5% BrCl
K9417-04	40057	11/1/2006	X	500	100	100	0.5% BrCl
K9303-01	39740	10/26/2006	X	500	100	100	0.5% BrCl
K9303-02	39740	10/26/2006	X	500	100	100	0.5% BrCl
K9303-03	39740	10/26/2006	X	500	100	100	0.5% BrCl
K9303-04	39740	10/26/2006	X	500	100	100	0.5% BrCl
K9303-05	39740	10/26/2006	X	500	100	100	0.5% BrCl
K9220-01	39457	10/25/2006	X	500	100	100	0.5% BrCl
Method Blank		10/30/2006	X	500	100	100	0.5% BrCl
OPR-2			X	500	100	100	0.5% BrCl

RE2 - 4 - **BrCl**

AF1 - 24 - I *(10 ng/mL)* **QCS:** 50uL

AF1 - 24 - H *(10 ng/mL)* **OPR:** 50uL

1st MS / DMS: 0.25mL
2nd MS / DMS: 0.25mL

Comments: Samlpes diluted due to particulate and organic matter.

Time Digestion Started:

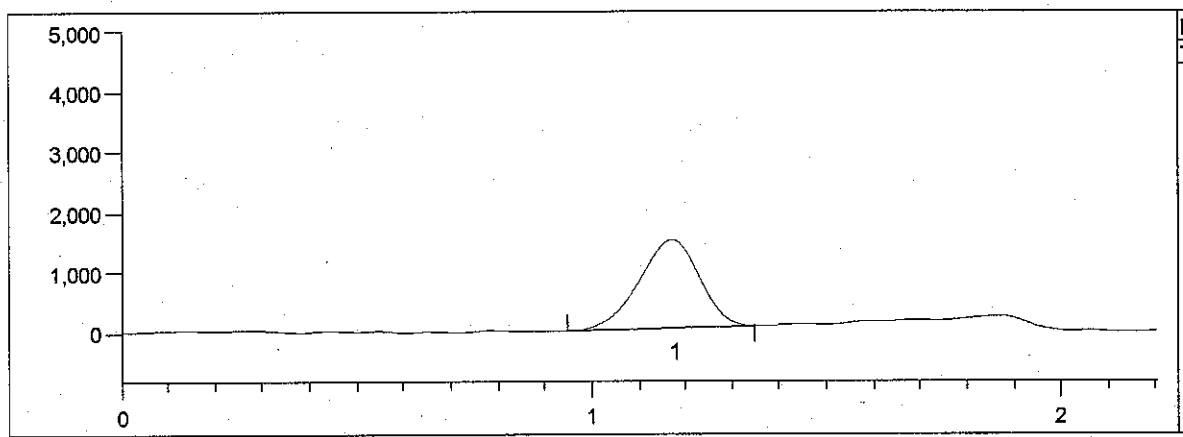
Analyst

1631Dig.XLS
3/1/2006

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

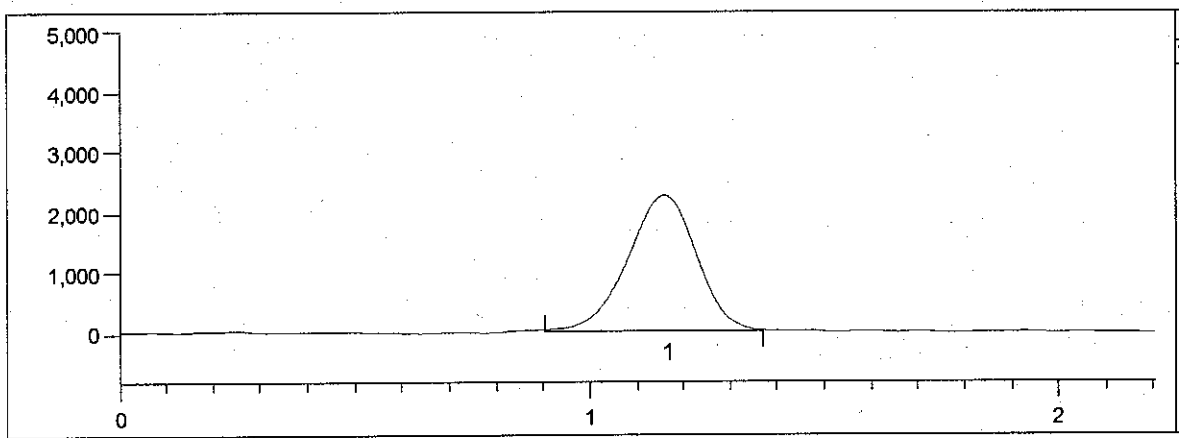


Date: 11/15/06
Time: 2:24 PM

Peak	rt	Area
1	1.19	134,902

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
1	MBD	WB-1		1	134,902	13.1	0.131	0.131	< .5	accept

Notes:

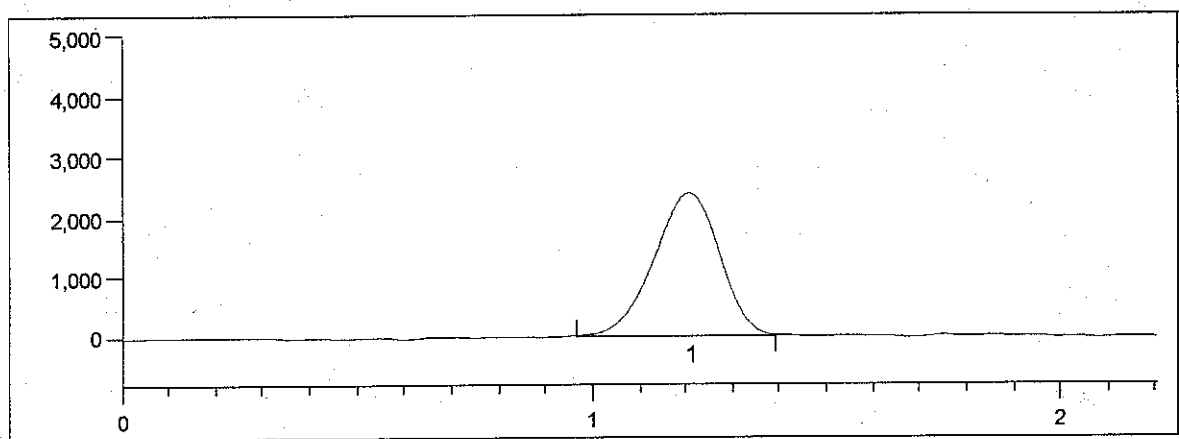


Date: 11/15/06
Time: 2:27 PM

Peak	rt	Area
1	1.18	228,881

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
2	MBA	MB-1	MBD	1	228,881	15.4	0.0229	0.0229	< 1.0	accept

Notes:



Date: 11/15/06
Time: 2:30 PM

Peak	rt	Area
1	1.23	234,637

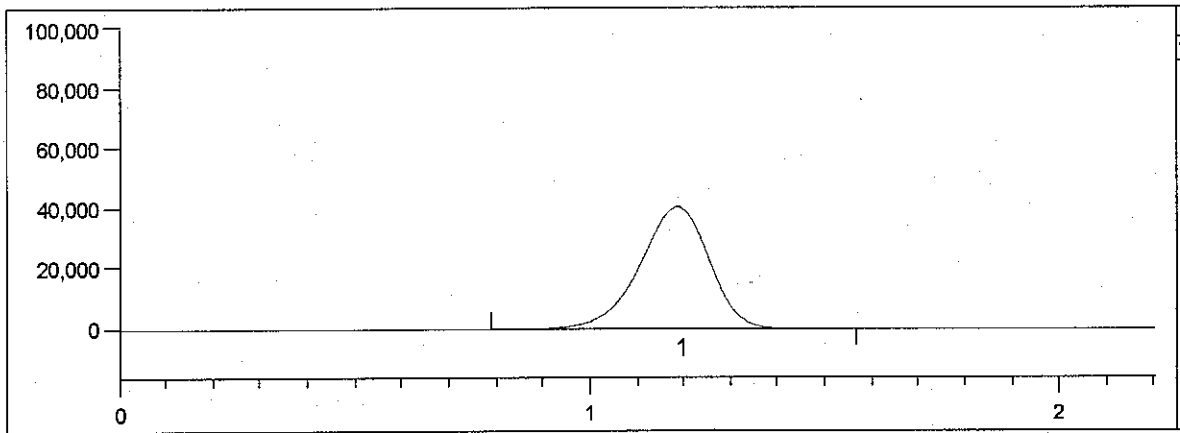
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
3	MBA	MB-2	MBD	1	234,637	16.0	0.0285	0.0285	< 1.0	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena



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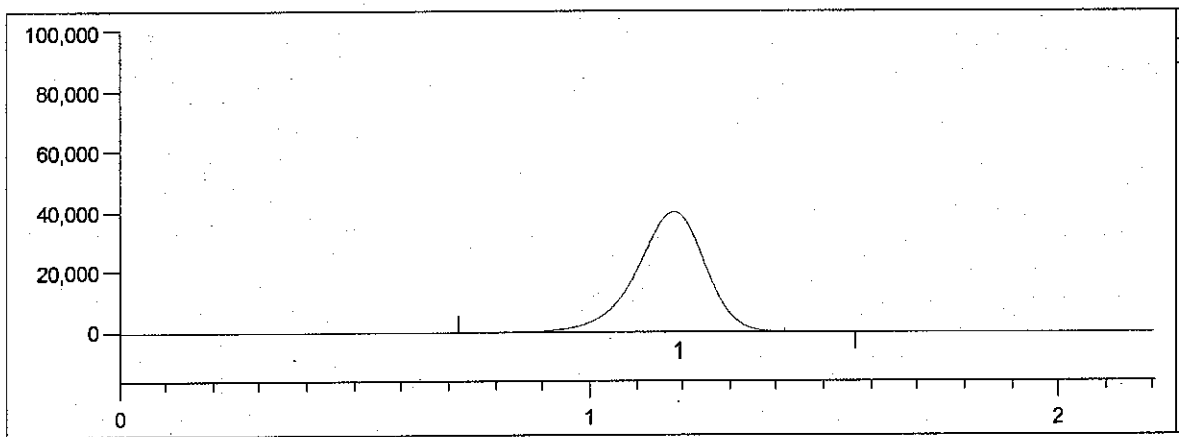
Peak	rt	Area
1	1.21	4,273,570

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
4	OPR	OPR-1	MBD	1	4,273,570	409	3.96	79.2	77-123	accept

Notes:



Date: 11/15/06
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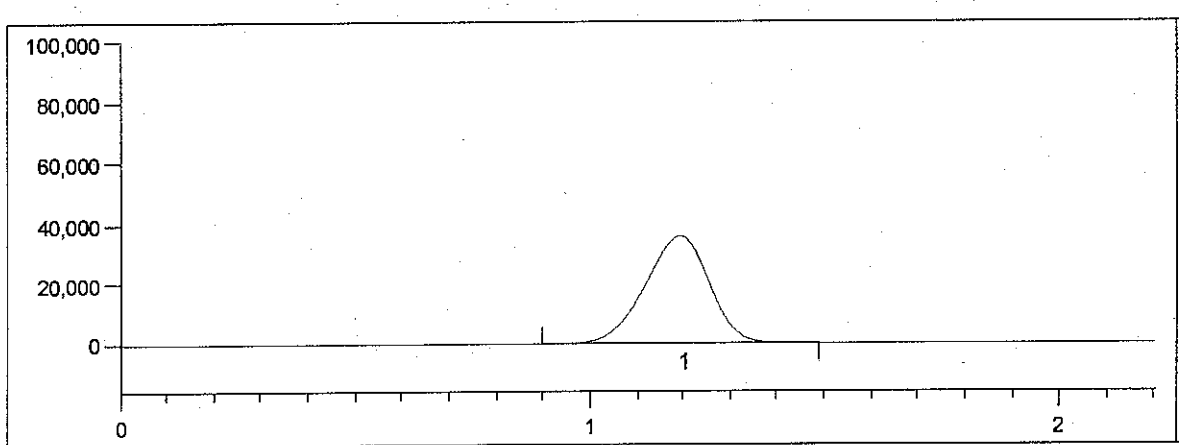
Peak	rt	Area
1	1.20	4,246,810

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
5	QCS	QCS-1	MBD	1	4,246,810	406	3.93	78.7	77-123	accept

Notes:



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Time: 2:47 PM

Peak	rt	Area
1	1.22	3,509,159

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
6	S	K8882-22		1	3,509,159	335	3.35		< HS	accept

Notes:

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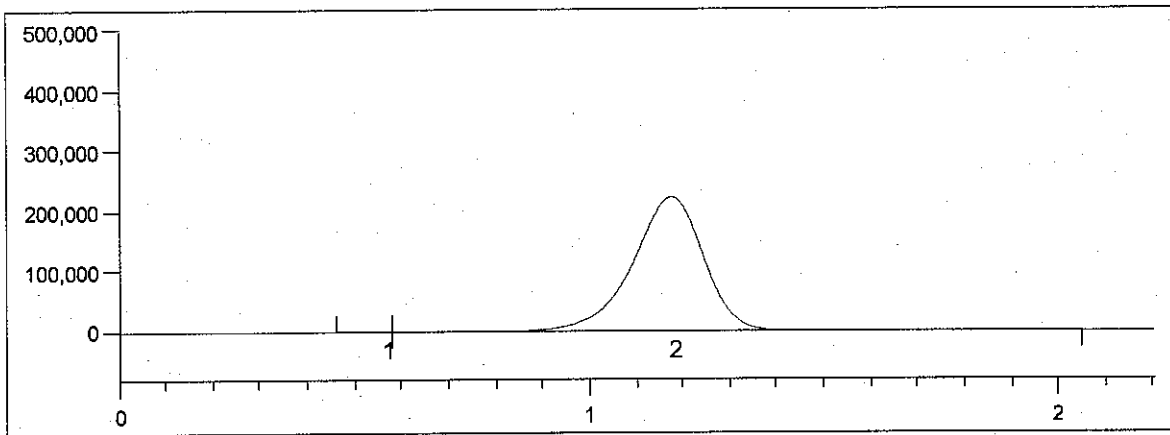
Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

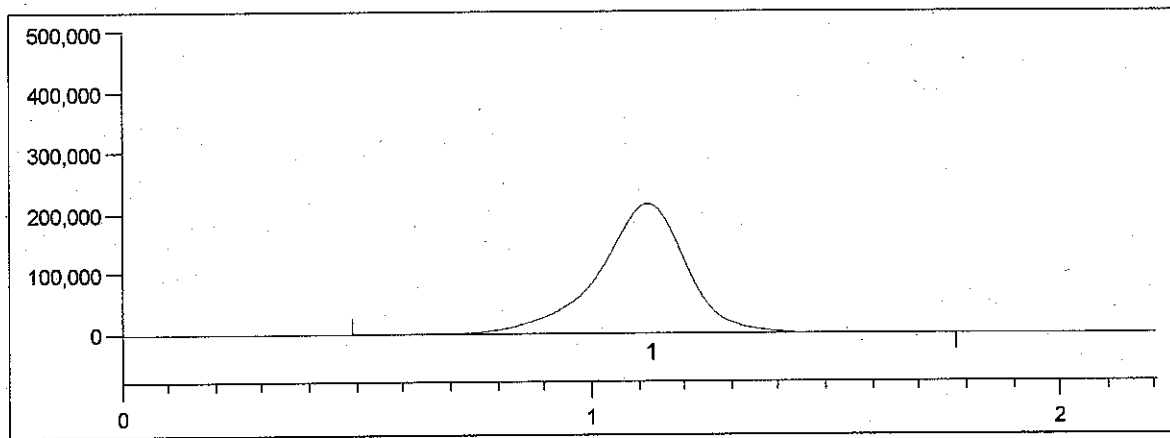


Date: 11/15/06
Time: 2:53 PM

Peak	rt	Area
1	0.57	3,950
2	1.20	24,476,488

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
7	MS	K8882-22		2	24,476,488	2,380	23.8	81.6	71-125	accept

Notes:

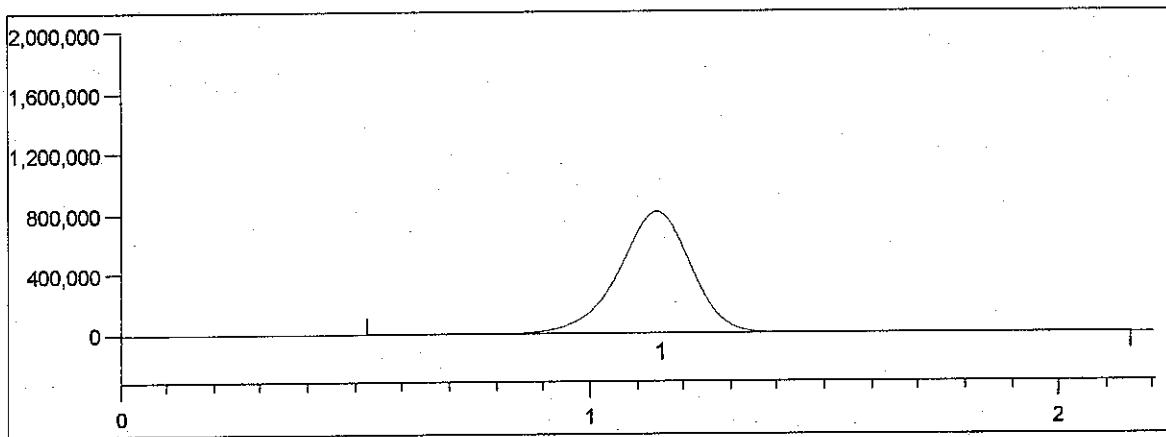


Date: 11/15/06
Time: 2:55 PM

Peak	rt	Area
1	1.14	29,159,410

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
8	MSD	K8882-22		1	29,159,410	2,830	28.3	99.8	71-125	accept

Notes:



Date: 11/15/06
Time: 2:58 PM

Peak	rt	Area
1	1.16	90,559,775

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
9	S	K8882-21		1	90,559,775	8,810	88.1		< HS	accept

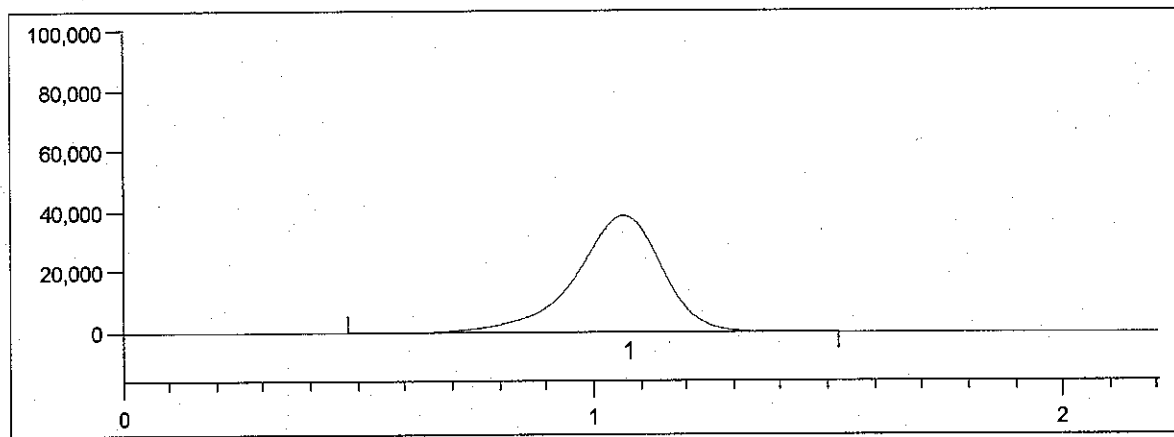
Notes:

HgGuru ver 3.0 (c) 2003 Brooks Rand LLC

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

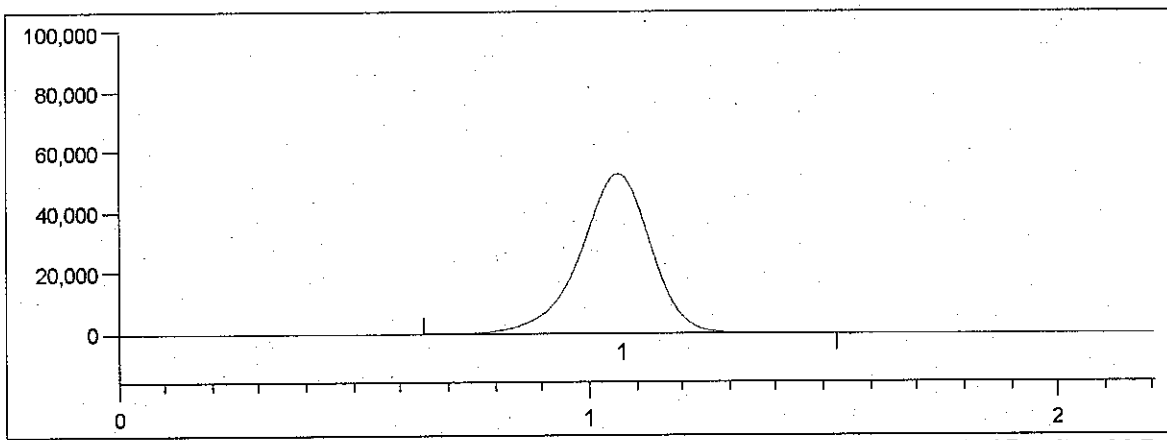


Date: 11/15/06
Time: 3:34 PM

Peak	rt	Area
1	1.08	5,139,422

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
10	S	K8882-23		1	5,139,422	493	4.93		< HS	accept

Notes:

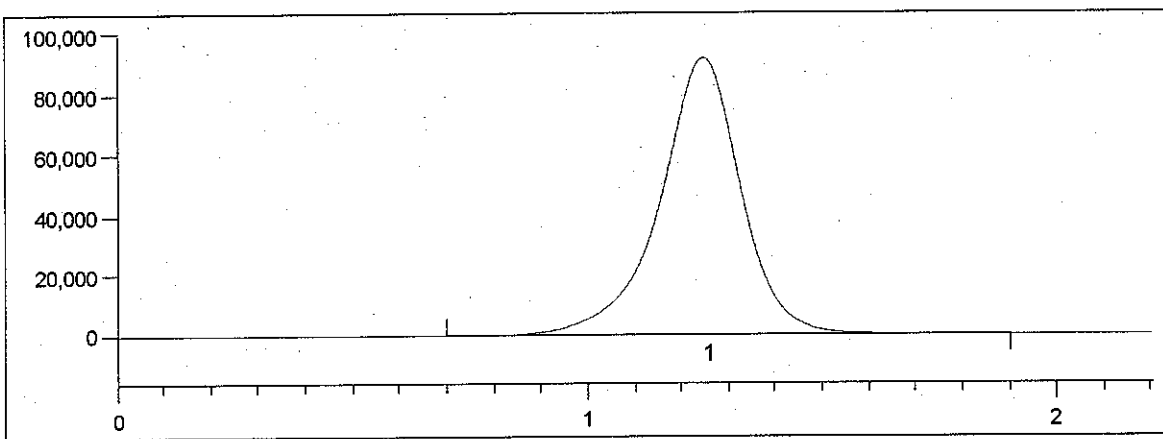


Date: 11/15/06
Time: 3:37 PM

Peak	rt	Area
1	1.08	5,683,519

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
11	S	K8882-24		1	5,683,519	546	5.46		< HS	accept

Notes:



Date: 11/15/06
Time: 3:39 PM

Peak	rt	Area
1	1.27	11,432,346

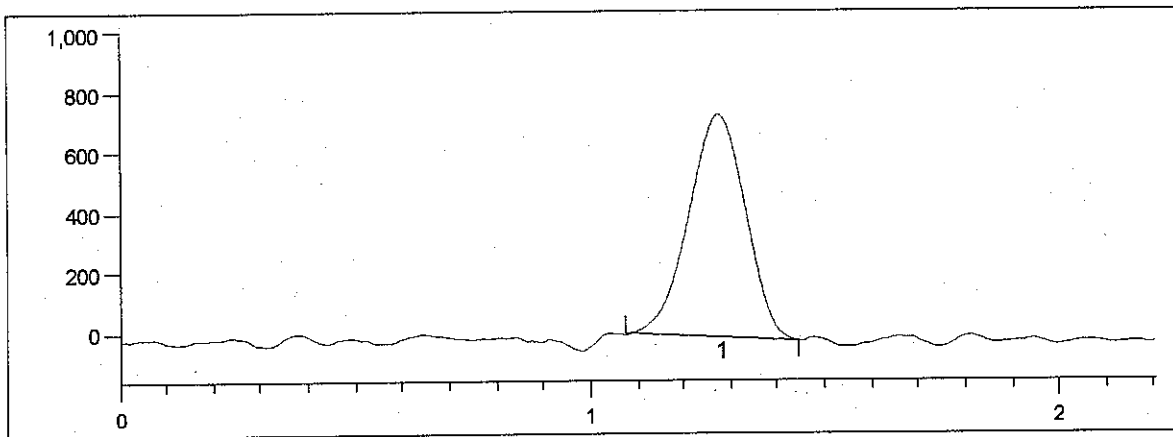
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
12	S	K8882-25		1	11,432,346	1,110	11.1		< HS	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

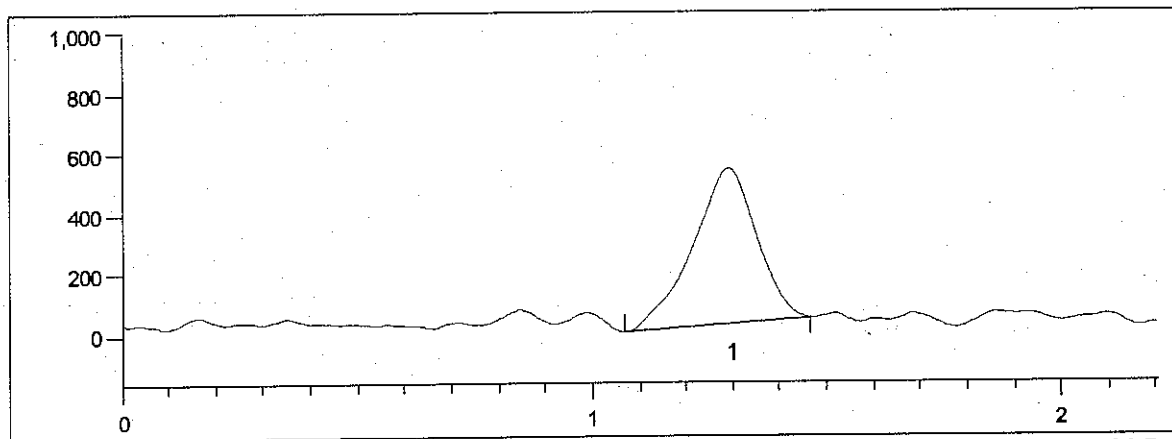


Date: 11/15/06
Time: 3:42 PM

Peak	rt	Area
1	1.30	64,332

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
13	CB	BB (OPR-1)		1	64,332	6.26		6.26	< 50	accept

Notes:

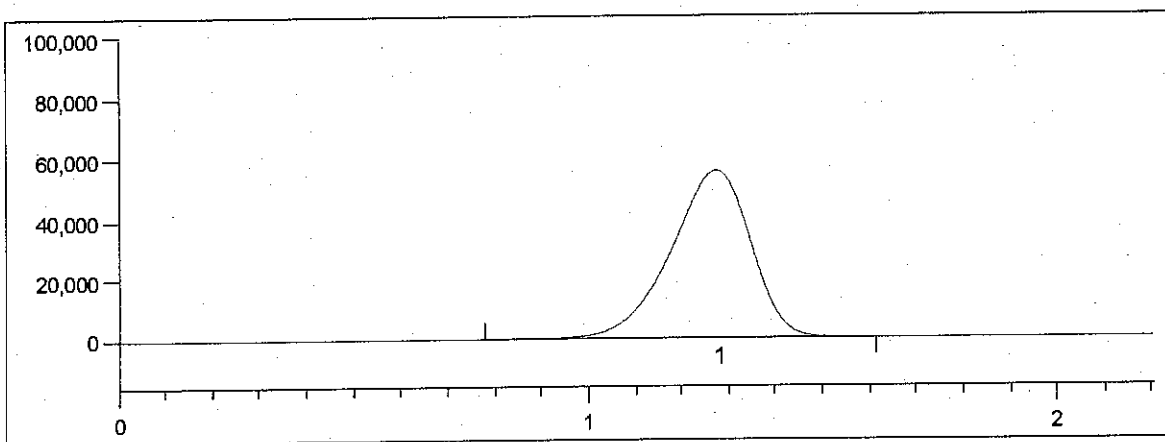


Date: 11/15/06
Time: 3:46 PM

Peak	rt	Area
1	1.32	50,111

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
14	CB	BB (QCS)		1	50,111	4.88		4.88	< 50	accept

Notes:



Date: 11/15/06
Time: 3:49 PM

Peak	rt	Area
1	1.30	6,788,408

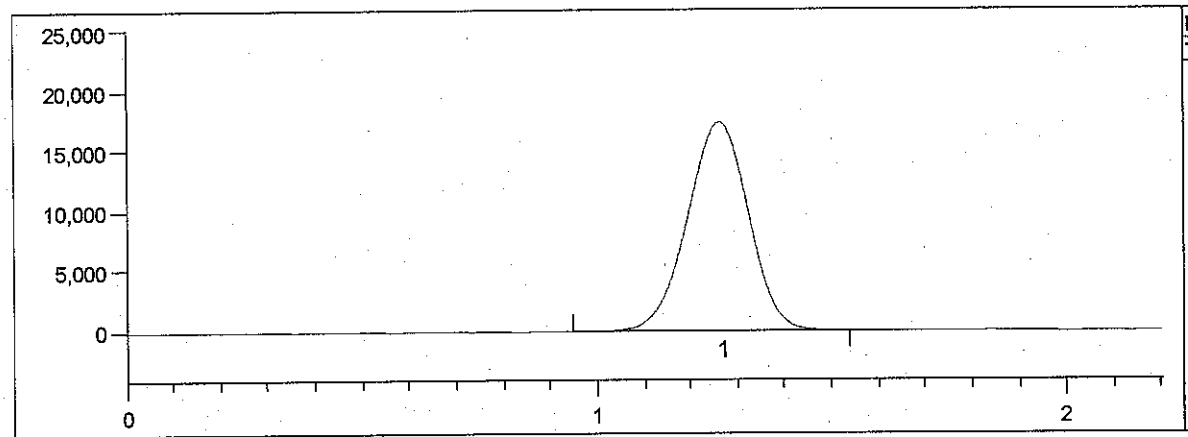
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
15	S	K8882-26		1	6,788,408	654	6.54		< HS	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

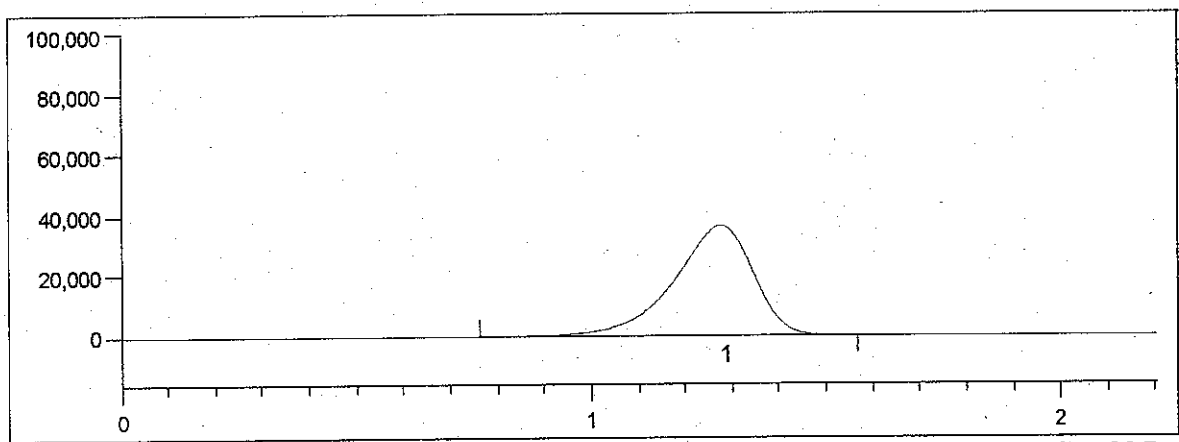


Date: 11/15/06
Time: 3:56 PM

Peak	rt	Area
1	1.28	1,618,727

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
16	S	K8882-27		1	1,618,727	151	1.51		< HS	accept

Notes:

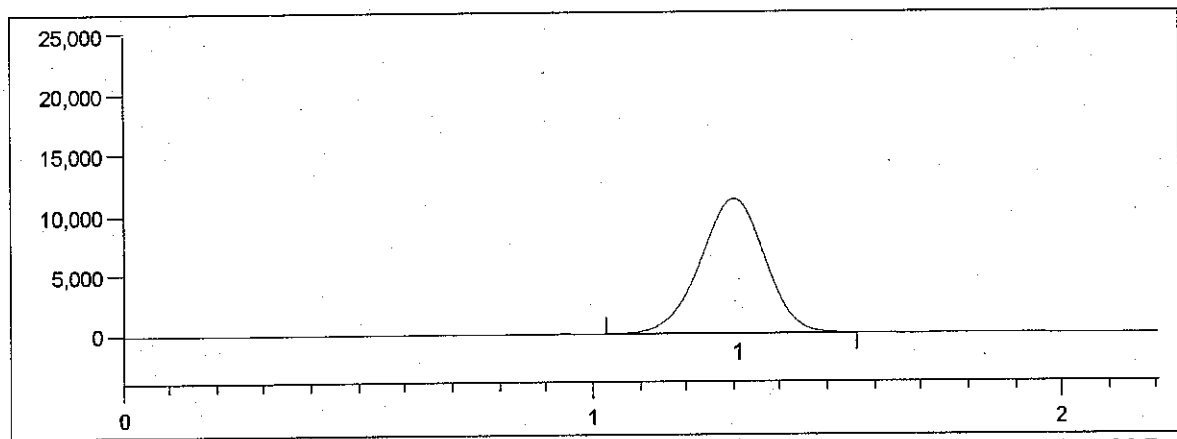


Date: 11/15/06
Time: 4:01 PM

Peak	rt	Area
1	1.30	4,435,871

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
17	S	K8882-28		1	4,435,871	425	4.25		< HS	accept

Notes:



Date: 11/15/06
Time: 4:03 PM

Peak	rt	Area
1	1.32	1,103,954

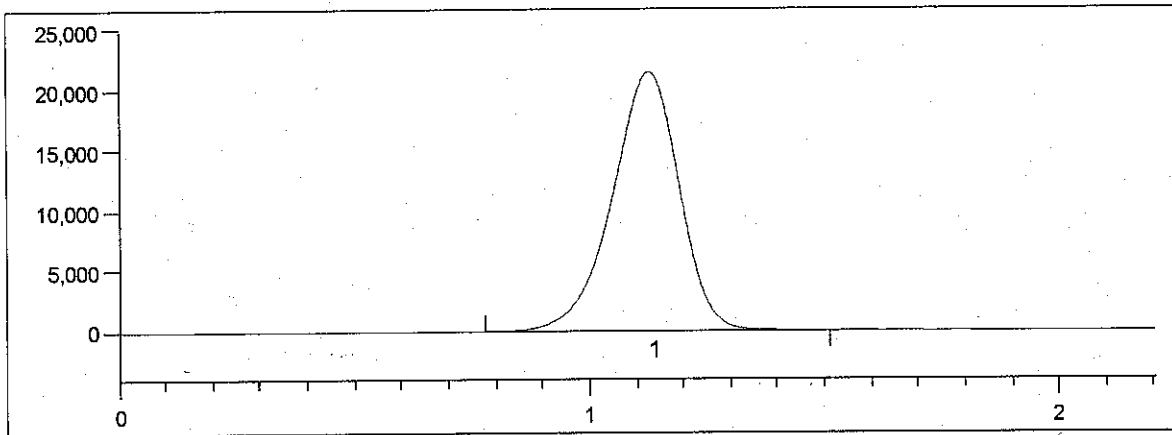
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
18	S	K8882-29		1	1,103,954	101	1.01		< HS	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

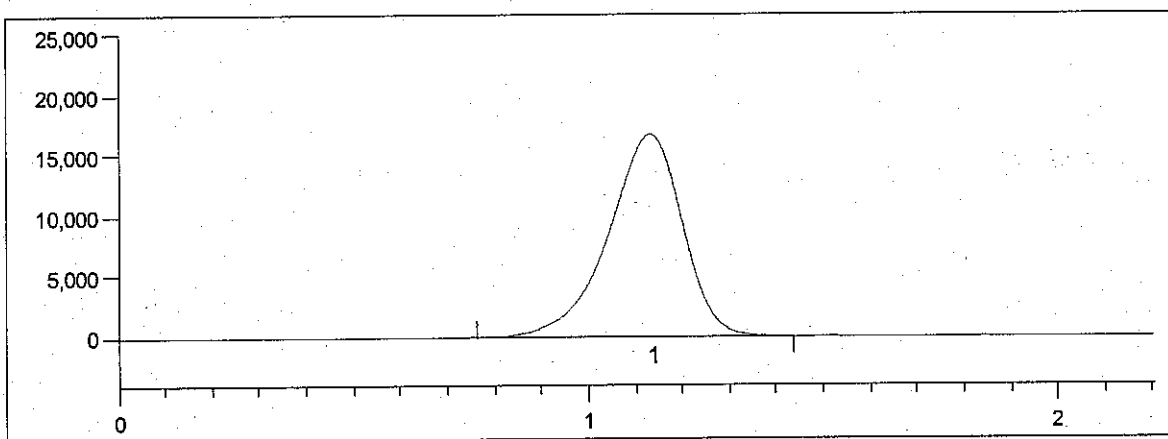


Date: 11/15/06
Time: 4:18 PM

Peak	rt	Area
1	1.15	2,190,550

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
19	S	K8882-30		1	2,190,550	206	2.06		< HS	accept

Notes:

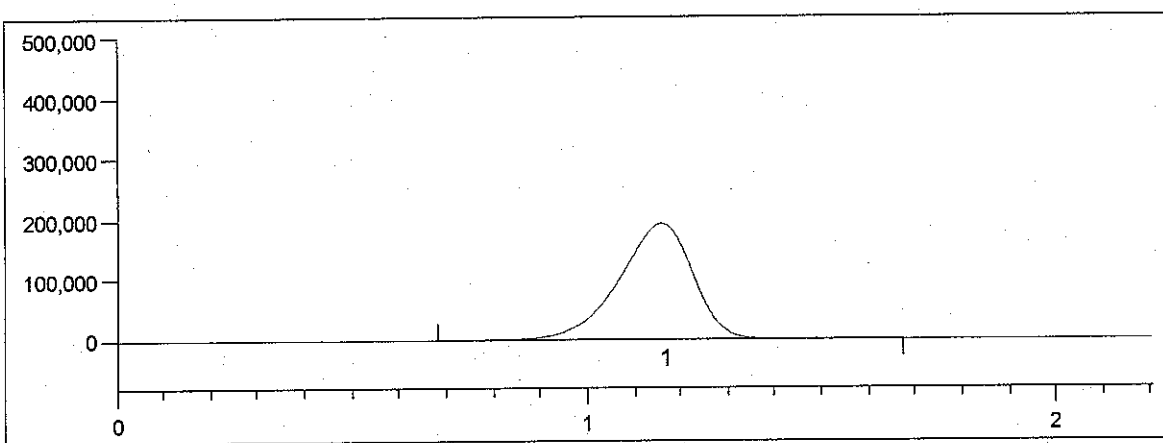


Date: 11/15/06
Time: 4:21 PM

Peak	rt	Area
1	1.15	1,870,927

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
20	S	K9417-01		1	1,870,927	175	1.75		< HS	accept

Notes:



Date: 11/15/06
Time: 4:24 PM

Peak	rt	Area
1	1.18	21,698,415

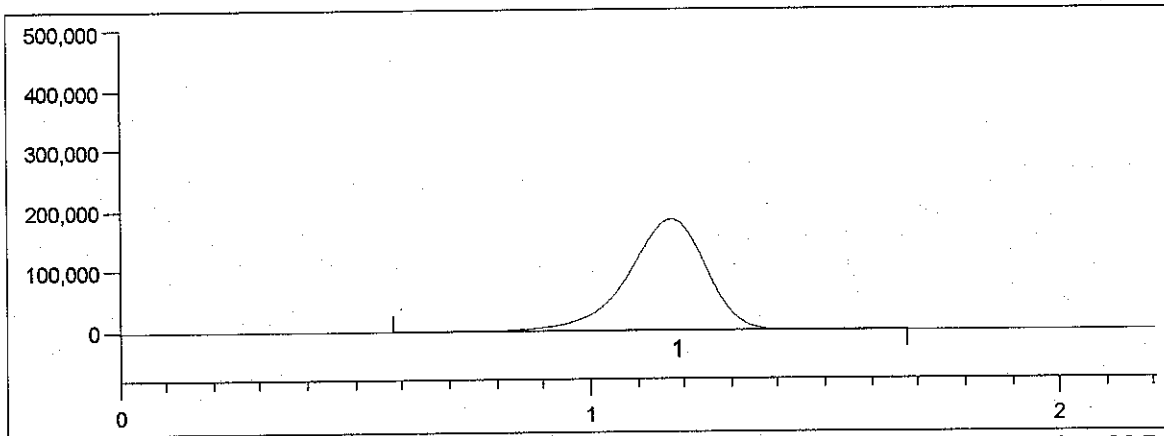
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
21	MS	K9417-01		1	21,698,415	2,100	21.0	77.2	71-125	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

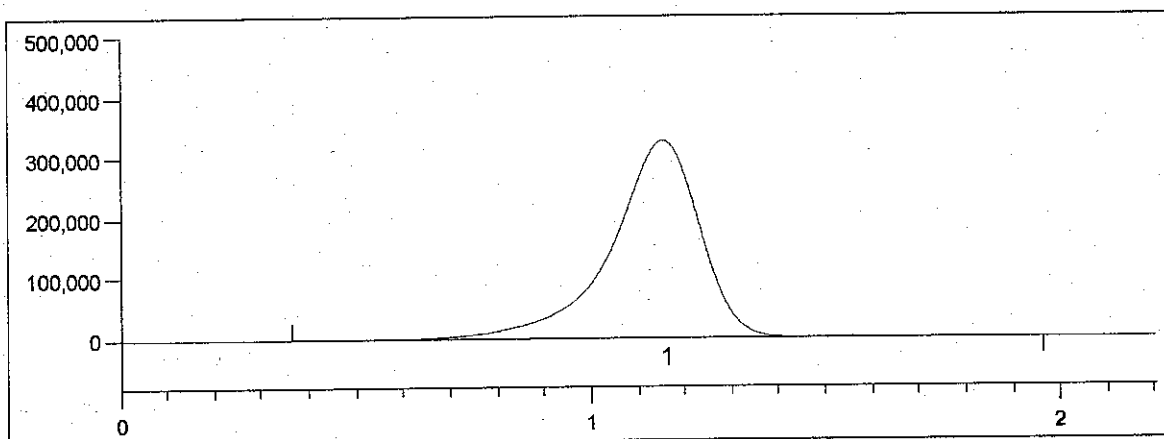


Date: 11/15/06
Time: 4:27 PM

Peak	rt	Area
1	1.20	22,047,668

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
22	MSD	K9417-01		1	22,047,668	2,140	21.4	78.5	71-125	accept

Notes:

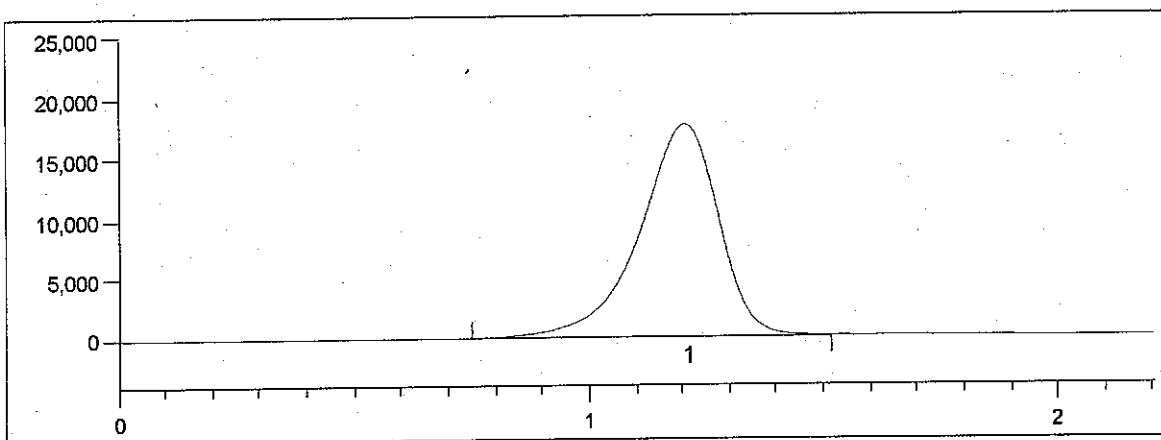


Date: 11/15/06
Time: 4:33 PM

Peak	rt	Area
1	1.18	44,463,992

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
23	S	K9417-02		1	44,463,992	4,320	43.2		< HS	accept

Notes:



Date: 11/15/06
Time: 4:36 PM

Peak	rt	Area
1	1.23	2,121,358

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
24	S	K9417-03		1	2,121,358	200	2.00		< HS	accept

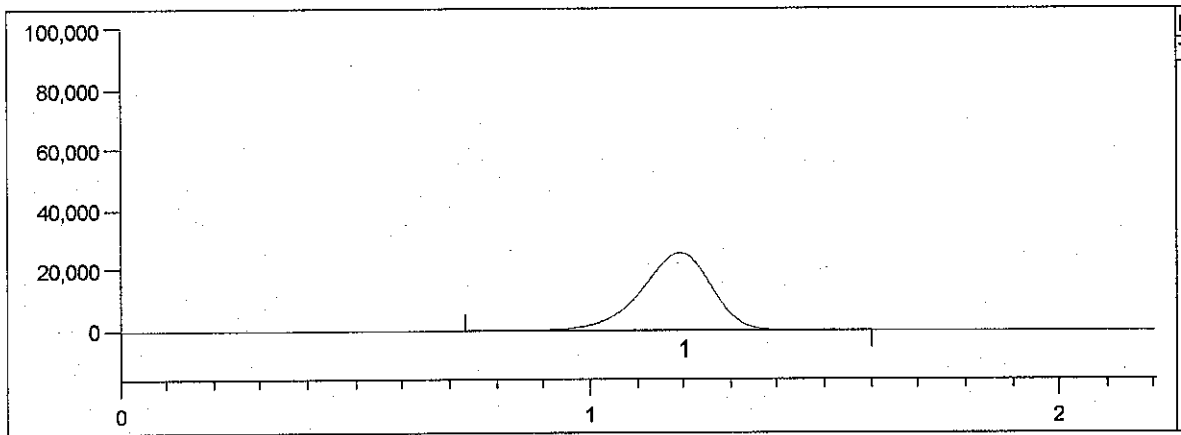
Notes:

HgGuru ver 3.0 (4/22/03 Brooks Rand LLC

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

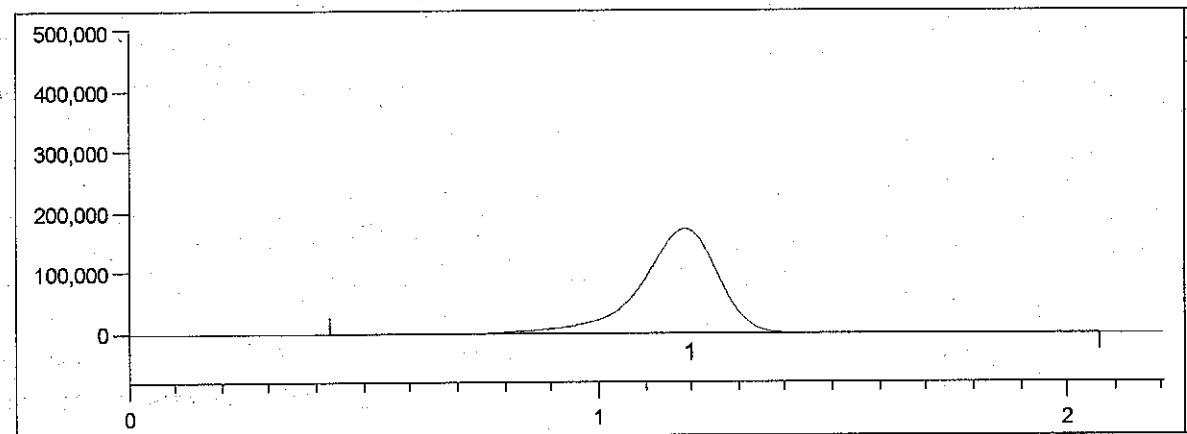


Date: 11/15/06
Time: 4:44 PM

Peak	rt	Area
1	1.21	2,812,166

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
25	S	K9417-04		1	2,812,166	267	2.67		< HS	accept

Notes:

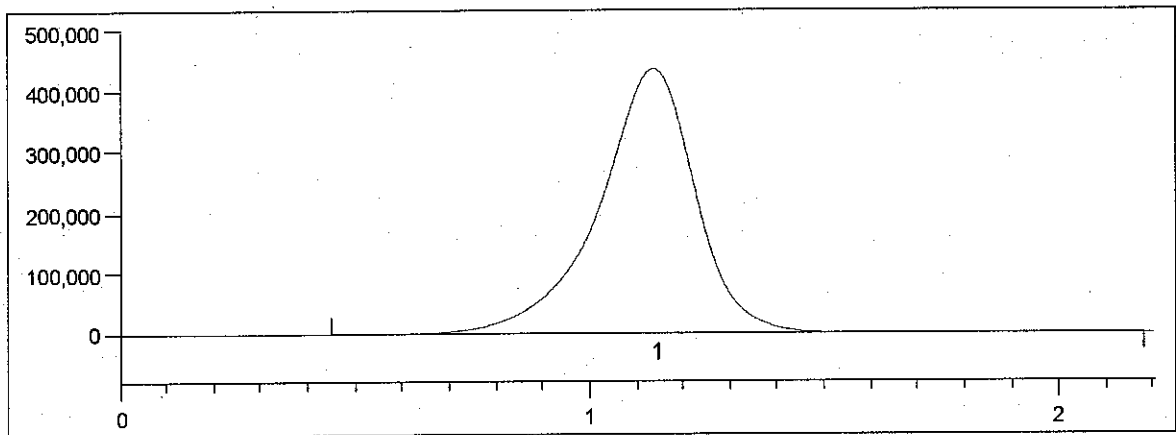


Date: 11/15/06
Time: 4:47 PM

Peak	rt	Area
1	1.21	20,701,770

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
26	S	K9303-01		1	20,701,770	2,010	20.1		< HS	accept

Notes:



Date: 11/15/06
Time: 4:50 PM

Peak	rt	Area
1	1.16	64,701,722

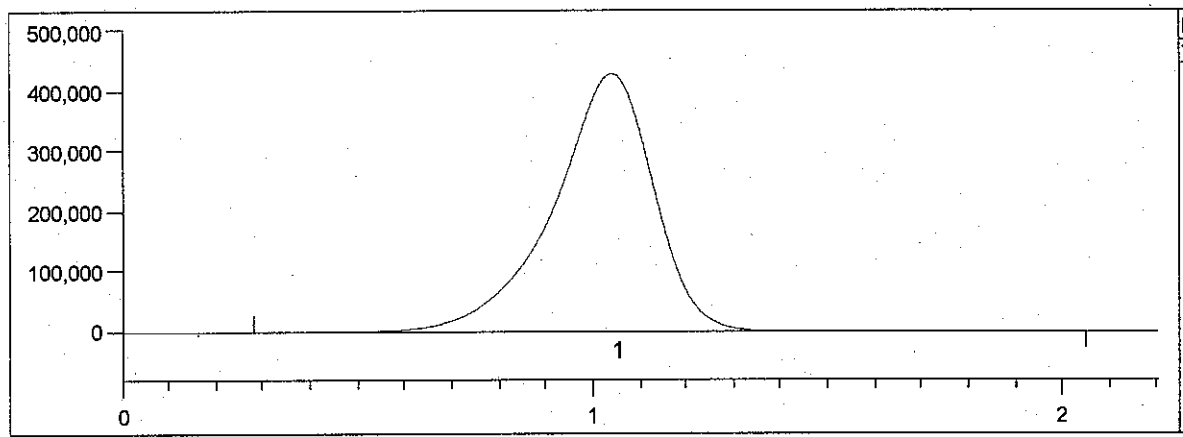
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
27	S	K9303-02		1	64,701,722	6,290	62.9		< HS	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

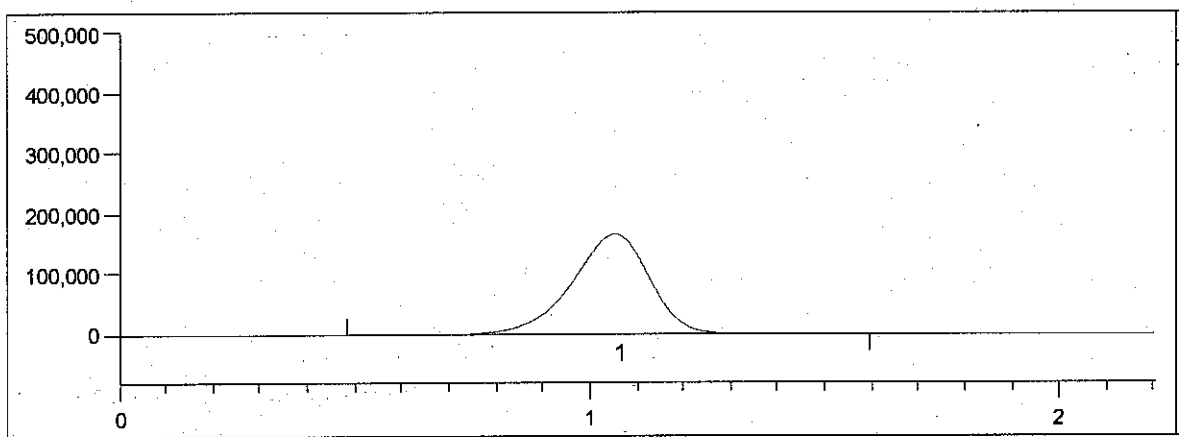


Date: 11/15/06
Time: 4:53 PM

Peak	rt	Area
1	1.06	65,912,814

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
28	S	K9303-03		1	65,912,814	6,410	64.1		< HS	accept

Notes:

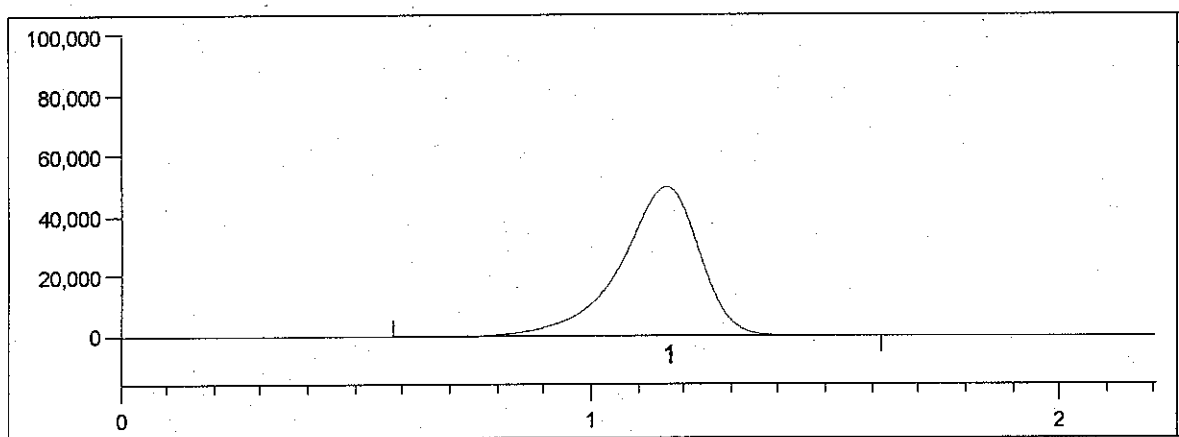


Date: 11/15/06
Time: 4:56 PM

Peak	rt	Area
1	1.07	19,992,519

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
29	S	K9303-04		1	19,992,519	1,940	19.4		< HS	accept

Notes:



Date: 11/15/06
Time: 4:58 PM

Peak	rt	Area
1	1.18	6,014,276

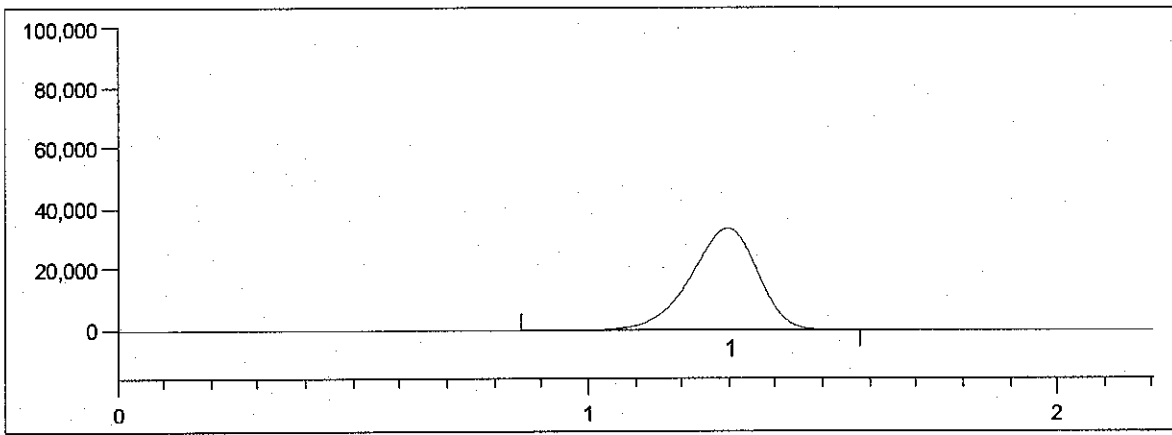
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
30	S	K9303-05		1	6,014,276	578	5.78		< HS	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena

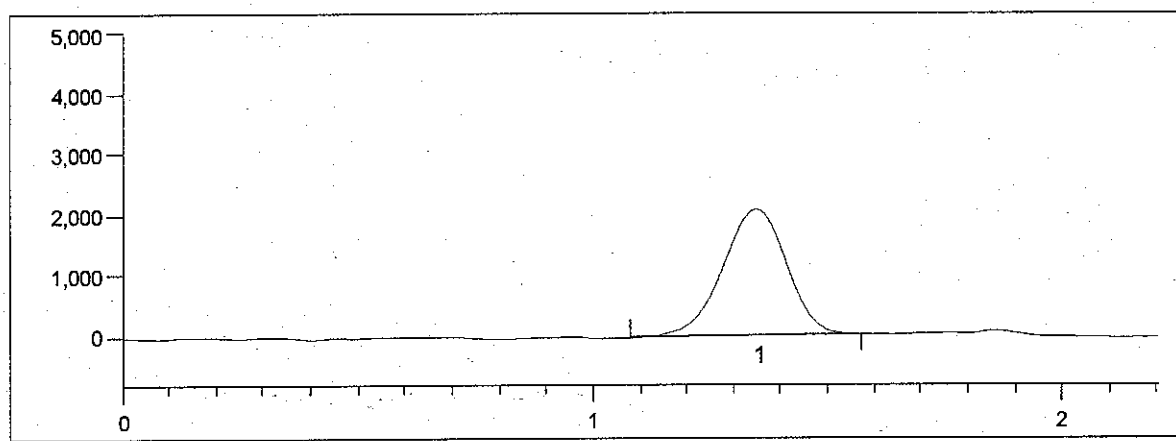


Date: 11/15/06
Time: 5:01 PM

Peak	rt	Area
1	1.32	3,464,428

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
31	S	K9220-01		1	3,464,428	330	3.30		< HS	accept

Notes:

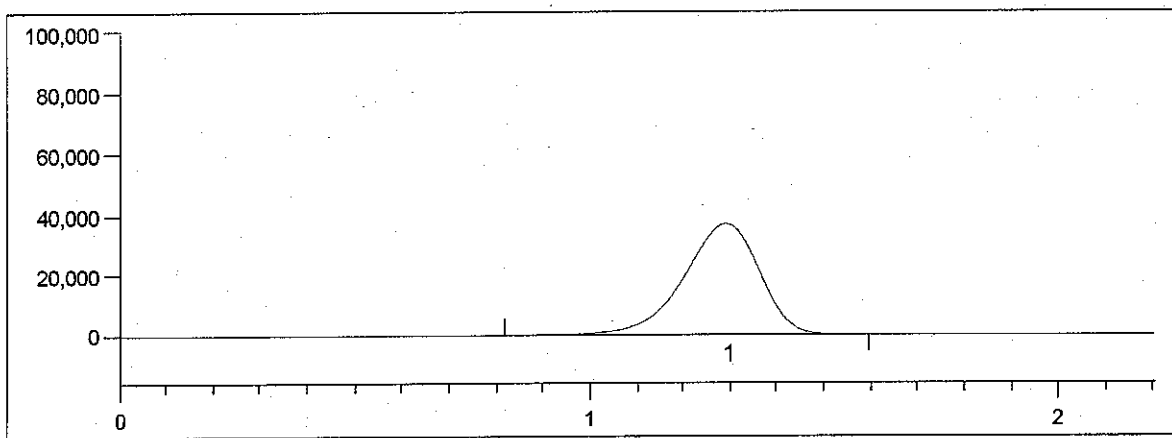


Date: 11/15/06
Time: 5:05 PM

Peak	rt	Area
1	1.37	204,225

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
32	MBA	MB-3	MBD	1	204,225	13.0	-0.00108	-0.00108	< 1.0	accept

Notes:



Date: 11/15/06
Time: 5:09 PM

Peak	rt	Area
1	1.32	4,316,635

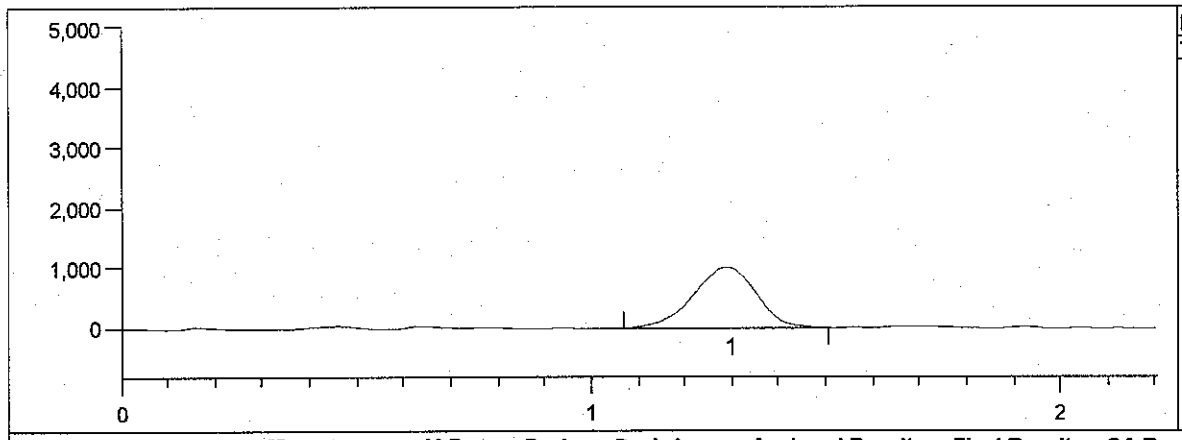
Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
33	OPR	OPR-2	MBD	1	4,316,635	413	4.00	80.0	77-123	accept

Notes:

Batch Number: KA0502192
Method Number: EPA 1631E.001

Project Number(s): WATERS
Instrument ID: K-AFS-01

Date Analyzed: 11/15/06
Analyst Name: Dena



Date: 11/15/06
Time: 5:15 PM

Peak	rt	Area
1	1.31	96,854

Run	Run Type	Name/ID	M B	Peak	Peak Area	Analyzed Result	Final Result	QA Results	Criteria	Notes
34	CB	BB (OPR)		1	96,854	9.43		9.43	< 50	accept

Notes:

METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCSW7	K0608882-021
SCSW9	K0608882-023
SCSW10	K0608882-024
SCSW11	K0608882-025
SCSW12	K0608882-026
Batch QCD	K0608882-029D
Batch QCS	K0608882-029S
Method Blank	K0608882-MB

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:

Signature: [signature]

Date: 12/18/06

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Service Request: K0608882
Date Collected: 09/29/06
Date Received: 10/13/06
Units: µg/L
Basis: NA

Sample Name: SCSW7
Lab Code: K0608882-021

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	7062	1.0	0.4	2	10/19/06	12/12/06	0.4	U	
Copper	7211	50.0	15.0	50	10/19/06	12/11/06	596		
Nickel	6010B	5.0	2.0	1	10/19/06	11/06/06	2.0	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/09/06	0.5	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/06/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Matrix: WATER

Service Request: K0608882

Date Collected: 09/29/06

Date Received: 10/13/06

Units: µg/L

Basis: NA

Sample Name: SCSW9

Lab Code: K0608882-023

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	7062	1.0	0.4	2	10/19/06	12/12/06	0.4	U	
Copper	7211	5.0	1.5	5	10/19/06	12/14/06	16.3		
Nickel	6010B	5.0	2.0	1	10/19/06	11/06/06	2.0	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/09/06	0.2	U	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/06/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/29/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µg/L
		Basis:	NA

Sample Name: SCSW10 Lab Code: K0608882-024

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	7062	1.0	0.4	2	10/19/06	12/12/06	0.4	U	
Copper	7211	5.0	1.5	5	10/19/06	12/14/06	16.6		
Nickel	6010B	5.0	2.0	1	10/19/06	11/06/06	2.0	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/09/06	0.4	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/06/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Service Request: K0608882
Date Collected: 09/29/06
Date Received: 10/13/06
Units: µg/L
Basis: NA

Sample Name: SCSW11
Lab Code: K0608882-025

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	7062	1.0	0.4	2	10/19/06	12/12/06	0.4	U	
Copper	7211	5.0	1.5	5	10/19/06	12/14/06	2.9	B	
Nickel	6010B	5.0	2.0	1	10/19/06	11/06/06	2.0	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/09/06	0.2	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/06/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µg/L
		Basis:	NA

Sample Name: SCSW12 Lab Code: K0608882-026

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	7062	1.0	0.4	2	10/19/06	12/12/06	4.2		
Copper	7211	5.0	1.5	5	10/19/06	12/14/06	6.7		
Nickel	6010B	5.0	2.0	1	10/19/06	11/06/06	2.0	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/09/06	0.3	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/06/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	NA
Project Name:	Alaska Salt Chuck Mine	Date Received:	NA
Matrix:	WATER	Units:	µg/L
		Basis:	NA

Sample Name: Method Blank Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	7062	1.0	0.4	2	10/19/06	12/12/06	0.4	U	
Copper	7211	5.0	1.5	5	10/19/06	12/11/06	1.5	U	
Nickel	6010B	5.0	2.0	1	10/19/06	11/06/06	2.0	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/09/06	0.2	U	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/06/06	4.0	U	

% Solids: 0.0

Comments:

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	10.0	9.87	99	10.0	9.83	98	9.79	98	7062
Copper	25.0	25.8	103	20.0	20.1	101	20.0	100	7211
Nickel	1250	1230	98	500	481	96	469	94	6010B
Selenium	10.0	10.4	104	10.0	10.3	103	10.7	107	7742
Vanadium	1250	1240	99	500	481	96	467	93	6010B

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				10.0	9.80	98	9.64	96	7062
Nickel				500	460	92	476	95	6010B
Selenium				10.0	10.4	104	10.7	107	7742
Vanadium				500	457	91	479	96	6010B

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				10.0	9.35	94			7062
Selenium				10.0	11.0	110	10.9	109	7742

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Selenium				10.0	10.8	108	10.8	108	7742

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Selenium				10.0	10.9	109			7742

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Copper	25.0	25.7	103	20.0	20.1	101	19.0	95	7211

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Copper	25.0	26.0	104	20.0	20.6	103	20.1	101	7211

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic	0.50	0.5	93					
Copper	1.0	1.5	145					
Nickel				20	20.4	102		
Selenium	0.50	0.6	129					
Vanadium				10	7.89	79		

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Copper	1.0	1.6	158					

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Copper	2.0	1.8	92					

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Arsenic	0.2	U	0.2	U	0.2	U	0.2	U					7062
Copper	0.3	U	0.3	U	0.3	U							7211
Nickel	2.0	U	2.0	U	2.0	U	2.0	U					6010B
Selenium	0.1	B	0.1	B	0.1	B	0.1	U					7742
Vanadium	4.0	U	4.0	U	4.0	U	4.0	U					6010B

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Arsenic			0.2	U	0.2	U								7062
Nickel			2.0	U										6010B
Selenium			0.1	B	0.1	B	0.2	B						7742
Vanadium			4.0	U										6010B

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C			Method
Selenium			0.1	U	0.1	U	0.1	U					7742

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Copper	0.9	B	0.4	B	0.3	U							7211

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Copper	0.9	B	0.7	B	0.9	B							7211

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

ICS Source: Inorganic Ventures

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	-4.2	868	87			
Vanadium		500	3.1	475	95			

METALS

- 5a -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Service Request: K0608882
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: Batch QCS
Lab Code: K0608882-029S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	993		0.9	B	1000	99		7062
Copper	75 - 125	258		1.5	U	250	103		7211
Nickel	84 - 119	437		2.0	U	500	87		6010B
Selenium	67 - 122	891		0.3	B	1000	89		7742
Vanadium	88 - 112	483		4.0	U	500	97		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS
- 6 -
DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Service Request: K0608882
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: Batch QCD
Lab Code: K0608882-029D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.9	B	0.8	B	11		7062
Copper		1.5	U	1.5	U			7211
Nickel		2.0	U	2.0	U			6010B
Selenium		0.3	B	0.2	B	18		7742
Vanadium		4.0	U	4.0	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous ug/L True	Aqueous ug/L Found	Aqueous ug/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits		Solid (mg/kg) %R
Arsenic	2500	2332	93						
Copper	625	620	100						
Nickel	1250	1230	98						
Selenium	2500	2524	101						
Vanadium	1250	1240	99						

METALS

- 9 -

ICP SERIAL DILUTIONS

Client: URS Corporation

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Service Request: K0608882

Units: ug/L

Sample Name: SCSW16L

Lab Code: K0608882-030L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Nickel	2.00	U	10.0	U			6010B
Vanadium	4.00	U	20.0	U			6010B

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #: PE-1

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Arsenic	193.60		0.5	0.2	7062
Selenium	196.00		0.5	0.1	7742

Comments:

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: TJA Iris ICP

GFAA ID #:

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Nickel	231.60		5.0	2.0	6010B
Vanadium	310.20		10.0	4.0	6010B

Comments:

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #: Varian-6 (GFAA)

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Copper	324.80	BZ	1.0	0.3	7211

Comments:

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #: Varian-7 (GFAA)

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Copper	324.80	BZ	1.0	0.3	7211

Comments:

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	237.3	0.0000000	0.0000000	0.0014400	0.0000000	-0.0016900
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0132000
Arsenic	189.0	0.0000000	0.0000000	-0.0001370	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	-0.0011600	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000750	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000120	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000220	0.0000000	-0.0002340
Copper	324.7	0.0000000	0.0000000	-0.0000140	0.0000000	-0.0000840
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	-0.0004900	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000650	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0009800
Potassium	766.4	0.0000000	0.0000000	-0.0009730	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001200
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000280	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000920
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011900

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Mo	Ni	Interelement Correction Factors for: Ti	V	Co
Aluminum	237.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	-0.0227000	0.0000000	0.0003300	0.0000000	0.0000000
Arsenic	189.0	0.0006800	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	-0.0005700	0.0000000
Beryllium	313.0	0.0000000	0.0000000	-0.0000150	0.0017400	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000240	0.0000000	0.0000490	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	-0.0180000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	-0.0001350	0.0000000
Cobalt	228.6	-0.0001300	0.0000000	0.0014000	0.0000000	0.0000000
Copper	324.7	0.0003200	0.0000000	0.0000000	-0.0005100	0.0000000
Iron	259.9	-0.0004400	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.2140000	0.0950000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.3410000
Magnesium	285.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	-0.0003000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	-0.0003500	0.0000000	-0.0010000	-0.0001700	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0005600	-0.0001100	-0.0002300	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0017000	0.0008000	0.0063000
Tin	189.9	0.0000000	0.0000000	-0.0033000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000	0.0003400	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Mn	P	C
Aluminum	237.3	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000
Arsenic	189.0	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0003400	0.0000420	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000
Iron	259.9	-0.0003300	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Nickel	5.00	90000.0	6010B
Vanadium	5.00	90000.0	6010B

Comments:

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	EPA 3010A	50	50
K0608882-MB	10/19/06	EPA 3010A	50	50
K0608882-024	10/19/06	EPA 3010A	50	50
K0608882-025	10/19/06	EPA 3010A	50	50
K0608882-026	10/19/06	EPA 3010A	50	50
K0608882-029D	10/19/06	EPA 3010A	50	50
K0608882-029S	10/19/06	EPA 3010A	50	50
K0608882-021	10/19/06	EPA 3010A	50	50
K0608882-023	10/19/06	EPA 3010A	50	50

METALS
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PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: F

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	EPA 3010A	50	50
K0608882-MB	10/19/06	EPA 3010A	50	50
K0608882-024	10/19/06	EPA 3010A	50	50
K0608882-025	10/19/06	EPA 3010A	50	50
K0608882-026	10/19/06	EPA 3010A	50	50
K0608882-029D	10/19/06	EPA 3010A	50	50
K0608882-029S	10/19/06	EPA 3010A	50	50
K0608882-021	10/19/06	EPA 3010A	50	50
K0608882-023	10/19/06	EPA 3010A	50	50

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 12/12/06

End Date: 12/12/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	17:14				X																					
S0.5	1.00	17:16				X																					
S1	1.00	17:18				X																					
S5	1.00	17:20				X																					
S10	1.00	17:22				X																					
S15	1.00	17:24				X																					
ICV	1.00	17:26				X																					
ICB	1.00	17:28				X																					
CRI	1.00	17:30				X																					
CCV1	1.00	17:32				X																					
CCB1	1.00	17:34				X																					
ZZZZZZ	1.00	17:36																									
ZZZZZZ	1.00	17:38																									
ZZZZZZ	1.00	17:40																									
ZZZZZZ	1.00	17:42																									
K0608882-MB	2.00	17:44				X																					
ZZZZZZ	400.00	17:46																									
K0608882-021	2.00	17:48				X																					
ZZZZZZ	2.00	17:50																									
K0608882-023	2.00	17:52				X																					
K0608882-024	2.00	17:54				X																					
CCV2	1.00	17:56				X																					
CCB2	1.00	17:58				X																					
K0608882-025	2.00	18:00				X																					
K0608882-026	2.00	18:02				X																					
ZZZZZZ	2.00	18:04																									
ZZZZZZ	2.00	18:06																									
ZZZZZZ	2.00	18:08																									
K0608882-029D	2.00	18:10				X																					
K0608882-029S	200.00	18:12				X																					

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 12/12/06

End Date: 12/12/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	18:14																									
ZZZZZZ	1.00	18:16																									
ZZZZZZ	1.00	18:18																									
CCV3	1.00	18:20				X																					
CCB3	1.00	18:22				X																					
ZZZZZZ	1.00	18:24																									
ZZZZZZ	1.00	18:26																									
CCV4	1.00	18:28				X																					
CCB4	1.00	18:30				X																					
ZZZZZZ	1.00	18:32																									
ZZZZZZ	1.00	18:34																									
LCSW	400.00	18:36				X																					
ZZZZZZ	1.00	18:38																									
CCV5	1.00	18:40				X																					
CCB5	1.00	18:42				X																					

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Varian-7 (GFAA)

Method: F

Start Date: 12/11/06

End Date: 12/11/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL ZERO	1.00	10:05											X														
STANDARD 1	1.00	10:09											X														
STANDARD 2	1.00	10:13											X														
STANDARD 3	1.00	10:16											X														
STANDARD 4	1.00	10:20											X														
STANDARD 5	1.00	10:23											X														
ICV	1.00	10:27											X														
ICB	1.00	10:30											X														
CRDL	1.00	10:34											X														
CCV1	1.00	10:37											X														
CCB1	1.00	10:41											X														
CRA	1.00	10:44											X														
K0608882-MB	5.00	10:48											X														
LCSW	50.00	10:51											X														
K0608882-021	50.00	10:55											X														
K0608882-021A	50.00	11:00	999.9										X														
ZZZZZZ	50.00	11:04																									
ZZZZZZ	50.00	11:07																									
ZZZZZZ	50.00	11:11																									
ZZZZZZ	50.00	11:14																									
CCV2	1.00	11:17											X														
CCB2	1.00	11:21											X														

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Varian-6 (GFAA)

Method: F

Start Date: 12/14/06

End Date: 12/14/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL ZERO	1.00	09:06											X														
STANDARD 1	1.00	09:09											X														
STANDARD 2	1.00	09:13											X														
STANDARD 3	1.00	09:17											X														
STANDARD 4	1.00	09:20											X														
STANDARD 5	1.00	09:24											X														
ICV2	1.00	09:27											X														
ICB2	1.00	09:31											X														
CRDL2	1.00	09:34											X														
CCV1	1.00	09:38											X														
CCB1	1.00	09:41											X														
ZZZZZZ	5.00	09:45																									
K0608882-022A	5.00	09:48	107.6										X														
K0608882-023	5.00	09:52											X														
K0608882-024	5.00	09:55											X														
K0608882-025	5.00	09:59											X														
K0608882-026	5.00	10:02											X														
ZZZZZZ	5.00	10:06																									
ZZZZZZ	5.00	10:09																									
ZZZZZZ	5.00	10:12																									
K0608882-029D	5.00	10:16											X														
CCV2	1.00	10:19											X														
CCB2	1.00	10:23											X														

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: Varian-6 (GFAA)

Method: F

Start Date: 12/14/06

End Date: 12/14/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL ZERO	1.00	12:56											X														
STANDARD 1	1.00	13:00											X														
STANDARD 2	1.00	13:03											X														
STANDARD 3	1.00	13:07											X														
STANDARD 4	1.00	13:10											X														
STANDARD 5	1.00	13:14											X														
ICV3	1.00	13:17											X														
ICB3	1.00	13:21											X														
CRDL3	1.00	13:24											X														
CCV1	1.00	13:28											X														
CCB1	1.00	13:31											X														
K0608882-029S	20.00	13:35											X														
ZZZZZZ	1.00	13:38																									
ZZZZZZ	1.00	13:42																									
ZZZZZZ	1.00	13:45																									
ZZZZZZ	1.00	13:48																									
ZZZZZZ	1.00	13:52																									
ZZZZZZ	1.00	13:55																									
ZZZZZZ	1.00	13:59																									
ZZZZZZ	1.00	14:05																									
CCV2	1.00	14:08											X														
CCB2	1.00	14:12											X														

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Form XIV - IN

METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 11/6/06

End Date: 11/6/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-BLANK	1.00	09:34																	X						X		
CAL-STDA	1.00	09:37																	X						X		
CAL-STDB	1.00	09:41																									
ICV	1.00	09:46																	X						X		
ZZZZZZ	1.00	09:49																									
ZZZZZZ	1.00	09:52																									
ICB	1.00	09:57																	X						X		
CCV1	1.00	10:00																	X						X		
ZZZZZZ	1.00	10:05																									
CCB1	1.00	10:09																	X						X		
CRI	1.00	10:12																	X						X		
ICSA	1.00	10:16																	X						X		
ZZZZZZ	1.00	10:23																									
ZZZZZZ	1.00	10:26																									
ZZZZZZ	1.00	10:28																									
ZZZZZZ	1.00	10:31																									
ICSAB	1.00	10:35																	X						X		
K0608882-MB	1.00	10:38																	X						X		
LCSW	1.00	10:40																	X						X		
ZK0608882-029	1.00	10:43																									
CCV2	1.00	10:48																	X						X		
ZZZZZZ	1.00	10:51																									
CCB2	1.00	10:54																	X						X		
K0608882-029D	1.00	10:57																	X						X		
K0608882-029S	1.00	11:00																	X						X		
K0608882-021	1.00	11:03																	X						X		
ZZZZZZ	1.00	11:06																									
K0608882-023	1.00	11:09																	X						X		
K0608882-024	1.00	11:12																	X						X		
K0608882-025	1.00	11:15																	X						X		

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 11/6/06

End Date: 11/6/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-026	1.00	11:17																	X						X		
ZZZZZZ	1.00	11:20																									
ZZZZZZ	1.00	11:22																									
CCV3	1.00	11:30																	X						X		
ZZZZZZ	1.00	11:34																									
CCB3	1.00	11:36																	X						X		
ZZZZZZ	1.00	11:39																									
K0608882-030L	5.00	11:42																	X						X		
CCV4	1.00	11:45																	X						X		
ZZZZZZ	1.00	11:48																									
CCB4	1.00	11:52																	X						X		

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METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	18:56																			X						
S0.5	1.00	18:58																			X						
S1	1.00	19:00																			X						
S5	1.00	19:03																			X						
S10	1.00	19:05																			X						
S15	1.00	19:07																			X						
ICV	1.00	19:10																			X						
ICB	1.00	19:12																			X						
CRI	1.00	19:14																			X						
CCV1	1.00	19:17																			X						
CCB1	1.00	19:19																			X						
ZZZZZZ	2.00	19:21																									
ZZZZZZ	400.00	19:24																									
ZZZZZZ	2.00	19:26																									
ZZZZZZ	2.00	19:28																									
ZZZZZZ	200.00	19:31																									
ZZZZZZ	2.00	19:33																									
ZZZZZZ	2.00	19:35																									
ZZZZZZ	2.00	19:38																									
ZZZZZZ	2.00	19:40																									
ZZZZZZ	400.00	19:43																									
CCV2	1.00	19:45																			X						
CCB2	1.00	19:47																			X						
ZZZZZZ	2.00	19:50																									
ZZZZZZ	2.00	19:52																									
ZZZZZZ	2.00	19:54																									
ZZZZZZ	200.00	19:57																									
ZZZZZZ	2.00	19:59																									
ZZZZZZ	2.00	20:01																									
ZZZZZZ	2.00	20:04																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	20:06																									
ZZZZZZ	2.00	20:08																									
ZZZZZZ	2.00	20:11																									
CCV3	1.00	20:13																			X						
CCB3	1.00	20:15																			X						
ZZZZZZ	2.00	20:18																									
ZZZZZZ	2.00	20:20																									
ZZZZZZ	2.00	20:23																									
ZZZZZZ	2.00	20:25																									
ZZZZZZ	2.00	20:27																									
ZZZZZZ	2.00	20:30																									
ZZZZZZ	2.00	20:32																									
ZZZZZZ	2.00	20:34																									
ZZZZZZ	2.00	20:36																									
ZZZZZZ	2.00	20:39																									
CCV4	1.00	20:41																			X						
CCB4	1.00	20:44																			X						
K0608882-MB	2.00	20:46																			X						
LCSW	400.00	20:48																			X						
K0608882-021	2.00	20:51																			X						
ZZZZZZ	2.00	20:53																									
K0608882-023	2.00	20:55																			X						
K0608882-024	2.00	20:58																			X						
K0608882-025	2.00	21:00																			X						
K0608882-026	2.00	21:02																			X						
ZZZZZZ	2.00	21:05																									
ZZZZZZ	2.00	21:07																									
CCV5	1.00	21:09																			X						
CCB5	1.00	21:12																			X						
ZZZZZZ	2.00	21:14																									

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Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-029D	2.00	21:16																			X						
K0608882-029S	200.00	21:19																			X						
ZZZZZZ	2.00	21:21																									
ZZZZZZ	2.00	21:23																									
ZZZZZZ	200.00	21:26																									
ZZZZZZ	2.00	21:28																									
ZZZZZZ	2.00	21:30																									
ZZZZZZ	200.00	21:33																									
ZZZZZZ	2.00	21:35																									
CCV6	1.00	21:37																			X						
CCB6	1.00	21:40																			X						
ZZZZZZ	2.00	21:42																									
ZZZZZZ	2.00	21:44																									
ZZZZZZ	2.00	21:47																									
ZZZZZZ	2.00	21:49																									
ZZZZZZ	2.00	21:52																									
ZZZZZZ	2.00	21:54																									
ZZZZZZ	2.00	21:56																									
ZZZZZZ	2.00	21:59																									
ZZZZZZ	2.00	22:01																									
ZZZZZZ	200.00	22:03																									
CCV7	1.00	22:05																			X						
CCB7	1.00	22:10																			X						
ZZZZZZ	2.00	22:13																									
ZZZZZZ	2.00	22:15																									
ZZZZZZ	200.00	22:17																									
ZZZZZZ	2.00	22:20																									
ZZZZZZ	2.00	22:22																									
ZZZZZZ	400.00	22:24																									
ZZZZZZ	2.00	22:27																									

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Form XIV - IN

METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	22:29																									
ZZZZZZ	2.00	22:32																									
ZZZZZZ	200.00	22:34																									
CCV8	1.00	22:36																			X						
CCB8	1.00	22:39																			X						
ZZZZZZ	2.00	22:44																									
CCV9	1.00	22:47																			X						
CCV9	1.00	22:50																			X						
CCB9	1.00	22:53																			X						

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METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCSW8	K0608882-022
SCSW13	K0608882-027
SCSW14	K0608882-028
SCSW15	K0608882-029
SCSW15D	K0608882-029D
SCSW15S	K0608882-029S
SCSW16	K0608882-030
Method Blank	K0608882-MB

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:

Signature: [signature]

Date: 12/18/2020

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/29/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW8 Lab Code: K0608882-022

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.58	0.03	1	10/19/06	10/24/06	0.23	B	
Copper	6020	0.115	0.010	1	10/19/06	10/24/06	2.520		
Nickel	6020	0.23	0.02	1	10/19/06	10/24/06	0.02	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/9/06	0.2	U	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/6/06	4.0	U	

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/04/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW13 Lab Code: K0608882-027

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.52	0.03	1	10/19/06	10/24/06	0.56		
Copper	6020	0.103	0.009	1	10/19/06	10/24/06	1.580		
Nickel	6020	0.21	0.02	1	10/19/06	10/24/06	0.16	B	
Selenium	7742	1.0	0.2	2	10/19/06	11/9/06	0.2	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/6/06	4.0	U	

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW14 Lab Code: K0608882-028

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.54	0.03	1	10/19/06	10/24/06	0.05	B	
Copper	6020	0.109	0.010	1	10/19/06	10/24/06	0.328		
Nickel	6020	0.22	0.02	1	10/19/06	10/24/06	0.02	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/9/06	0.3	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/6/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/05/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW15 Lab Code: K0608882-029

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.03	1	10/19/06	10/24/06	1.07		
Copper	6020	0.100	0.009	1	10/19/06	10/24/06	0.851		
Nickel	6020	0.20	0.02	1	10/19/06	10/24/06	0.39		
Selenium	7742	1.0	0.2	2	10/19/06	11/9/06	0.3	B	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/6/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/06/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW16 Lab Code: K0608882-030

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.03	1	10/19/06	10/24/06	0.57		
Copper	6020	0.100	0.009	1	10/19/06	10/24/06	2.070		
Nickel	6020	0.20	0.02	1	10/19/06	10/24/06	0.15	B	
Selenium	7742	1.0	0.2	2	10/19/06	11/9/06	0.2	U	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/6/06	4.0	U	

% Solids: 0.0

Comments:

METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	
Project Name:	Alaska Salt Chuck Mine	Date Received:	
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: Method Blank Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	0.50	0.03	1	10/19/06	10/24/06	0.03	U	
Copper	6020	0.100	0.009	1	10/19/06	10/24/06	0.009	U	
Nickel	6020	0.20	0.02	1	10/19/06	10/24/06	0.02	U	
Selenium	7742	1.0	0.2	2	10/19/06	11/9/06	0.2	U	
Vanadium	6010B	10.0	4.0	1	10/19/06	11/6/06	4.0	U	

% Solids: 0.0

Comments:

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	25.0	25.6	102	25.0	25.0	100	24.7	98	6020
Copper	12.5	12.6	101	25.0	25.1	100	24.4	98	6020
Nickel	25.0	26.0	104	25.0	25.0	100	24.3	97	6020
Selenium	10.0	10.4	104	10.0	10.3	103	10.7	107	7742
Vanadium	1250	1240	99	500	481	96	467	93	6010B

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				25.0	24.5	98	25.2	101	6020
Copper				25.0	25.0	100	25.2	101	6020
Nickel				25.0	24.6	98	25.1	100	6020
Selenium				10.0	10.4	104	10.7	107	7742
Vanadium				500	457	91	479	96	6010B

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Selenium				10.0	11.0	110	10.9	109	7742

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Selenium				10.0	10.8	108	10.8	108	7742

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Selenium				10.0	10.9	109			7742

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				5.0	5.02	100		
Copper				1.0	0.95	95		
Nickel				2.0	2.03	102		
Selenium	0.50	0.6	129					
Vanadium				10	7.89	79		

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Arsenic	0.30	U	0.30	U	0.30	U	0.30	U						6020
Copper	0.090	U	0.090	U	0.09	U	0.090	U						6020
Nickel	0.20	U	0.20	U	0.20	U	0.20	U						6020
Selenium	0.1	B	0.1	B	0.1	B	0.1	U						7742
Vanadium	4.0	U	4.0	U	4.0	U	4.0	U						6010B

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Arsenic			0.30	U										6020
Copper			0.090	U										6020
Nickel			0.20	U										6020
Selenium			0.1	B	0.1	B	0.2	B						7742
Vanadium			4.0	U										6010B

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Selenium			0.1	U	0.1	U	0.1	U					7742

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Vanadium		500	3.1	475	95			

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		20	-0.05	19.9	100			
Copper		20	0.169	19.7	99			
Nickel		20	-0.02	20.0	100			

METALS

- 5a -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Service Request: K0608882
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: SCSW15S
Lab Code: K0608882-029S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Selenium	67 - 122	891		0.3	B	1000	89		7742
Vanadium	88 - 112	483		4.0	U	500	97		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Sample Name: Batch QCA
Lab Code: K0608886-002A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75-125	90.3		40.8		50.0	99		MS
Copper	75-125	216		174		50.0	84		MS
Nickel	75-125	185		143		50.0	84		MS

Comments:

Form V (PART 2) - IN

METALS
- 6 -
DUPLICATES

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: µg/L
Project Name: Alaska Salt Chuck Mine
Basis: NA
Matrix: WATER
% Solids: 0.0

Sample Name: SCSW15D
Lab Code: K0608882-029D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Selenium		0.3	B	0.2	B	18		7742
Vanadium		4.0	U	4.0	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous ug/L True	Aqueous ug/L Found	Aqueous ug/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits	Solid (mg/kg) %R
Arsenic	2.00	1.94	97					
Copper	2.00	1.99	100					
Nickel	2.00	1.94	97					
Selenium	2500	2524	101					
Vanadium	1250	1240	99					

METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous ug/L			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	2.00	1.96	98					
Copper	2.00	2.00	100					
Nickel	2.00	1.95	98					

Form VII - IN

METALS
- 9 -
ICP SERIAL DILUTIONS

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine

Sample Name: Batch QCL
Lab Code: K0608886-002L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	40.8		39.4		3		6020
Copper	174		172		1		6020
Nickel	143		144		1		6020

METALS
- 9 -
ICP SERIAL DILUTIONS

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine

Sample Name: SCSW16L
Lab Code: K0608882-030L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Vanadium	4.00	U	20.0	U			6010B

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #: PE-1

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Selenium	196.00		0.5	0.1	7742

Comments:

Form X - 211

METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: TJA Iris ICP

GFAA ID #:

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Vanadium	310.20		10.0	4.0	6010B

Comments:

Form X - IN

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: X Series

GFAA ID #:

AA ID #:

Analyte	Mass	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Arsenic	75		5.00	0.30	6020
Copper	65		1.000	0.090	6020
Nickel	60		2.00	0.20	6020

Comments:

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	237.3	0.0000000	0.0000000	0.0014400	0.0000000	-0.0016900
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0132000
Arsenic	189.0	0.0000000	0.0000000	-0.0001370	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	-0.0011600	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000750	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000120	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000220	0.0000000	-0.0002340
Copper	324.7	0.0000000	0.0000000	-0.0000140	0.0000000	-0.0000840
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	-0.0004900	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000650	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0009800
Potassium	766.4	0.0000000	0.0000000	-0.0009730	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001200
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000280	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000920
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011900

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Mo	Ni	Ti	V	Co
Aluminum	237.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	-0.0227000	0.0000000	0.0003300	0.0000000	0.0000000
Arsenic	189.0	0.0006800	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	-0.0005700	0.0000000
Beryllium	313.0	0.0000000	0.0000000	-0.0000150	0.0017400	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000240	0.0000000	0.0000490	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	-0.0180000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	-0.0001350	0.0000000
Cobalt	228.6	-0.0001300	0.0000000	0.0014000	0.0000000	0.0000000
Copper	324.7	0.0003200	0.0000000	0.0000000	-0.0005100	0.0000000
Iron	259.9	-0.0004400	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.2140000	0.0950000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.3410000
Magnesium	285.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	-0.0003000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	-0.0003500	0.0000000	-0.0010000	-0.0001700	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0005600	-0.0001100	-0.0002300	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0017000	0.0008000	0.0063000
Tin	189.9	0.0000000	0.0000000	-0.0033000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000	0.0003400	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Mn	P	C
Aluminum	237.3	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000
Arsenic	189.0	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0003400	0.0000420	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000
Iron	259.9	-0.0003300	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Vanadium	5.00	90000.0	6010B

Comments:

METALS

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ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	15.00	1000.0	6020
Copper	15.00	400.0	6020
Nickel	15.00	400.0	6020

Comments:

METALS
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PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	EPA 3010A	50	50
K0608882-MB	10/19/06	EPA 3010A	50	50
K0608882-027	10/19/06	EPA 3010A	50	50
K0608882-028	10/19/06	EPA 3010A	50	50
K0608882-029	10/19/06	EPA 3010A	50	50
K0608882-029D	10/19/06	EPA 3010A	50	50
K0608882-029S	10/19/06	EPA 3010A	50	50
K0608882-030	10/19/06	EPA 3010A	50	50
K0608882-022	10/19/06	EPA 3010A	50	50

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: F

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	EPA 3010A	50	50
K0608882-MB	10/19/06	EPA 3010A	50	50
K0608882-027	10/19/06	EPA 3010A	50	50
K0608882-028	10/19/06	EPA 3010A	50	50
K0608882-029	10/19/06	EPA 3010A	50	50
K0608882-029D	10/19/06	EPA 3010A	50	50
K0608882-029S	10/19/06	EPA 3010A	50	50
K0608882-030	10/19/06	EPA 3010A	50	50
K0608882-022	10/19/06	EPA 3010A	50	50

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW1	10/19/06	RED PPTN	1,000	100
LCSW2	10/19/06	RED PPTN	1,000	100
K0608882-MB	10/19/06	RED PPTN	1,000	100
K0608882-027	10/19/06	RED PPTN	968	100
K0608882-028	10/19/06	RED PPTN	920	100
K0608882-029	10/19/06	RED PPTN	1,000	100
K0608882-030	10/19/06	RED PPTN	1,000	100
K0608882-022	10/19/06	RED PPTN	870	100

METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 11/6/06

End Date: 11/6/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-BLANK	1.00	09:34																							X		
CAL-STDA	1.00	09:37																							X		
CAL-STDB	1.00	09:41																									
ICV	1.00	09:46																							X		
ZZZZZZ	1.00	09:49																									
ZZZZZZ	1.00	09:52																									
ICB	1.00	09:57																							X		
CCV1	1.00	10:00																							X		
ZZZZZZ	1.00	10:05																									
CCB1	1.00	10:09																							X		
CRI	1.00	10:12																							X		
ICSA	1.00	10:16																							X		
ZZZZZZ	1.00	10:23																									
ZZZZZZ	1.00	10:26																									
ZZZZZZ	1.00	10:28																									
ZZZZZZ	1.00	10:31																									
ICSAB	1.00	10:35																							X		
K0608882-MB	1.00	10:38																							X		
LCSW	1.00	10:40																							X		
K0608882-029	1.00	10:43																							X		
CCV2	1.00	10:48																							X		
ZZZZZZ	1.00	10:51																									
CCB2	1.00	10:54																							X		
K0608882-029D	1.00	10:57																							X		
K0608882-029S	1.00	11:00																							X		
ZZZZZZ	1.00	11:03																									
K0608882-022	1.00	11:06																							X		
ZZZZZZ	1.00	11:09																									
ZZZZZZ	1.00	11:12																									
ZZZZZZ	1.00	11:15																									

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Form XIV - IN

METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 11/6/06

End Date: 11/6/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	11:17																									
K0608882-027	1.00	11:20																							X		
K0608882-028	1.00	11:22																							X		
CCV3	1.00	11:30																							X		
ZZZZZZ	1.00	11:34																									
CCB3	1.00	11:36																							X		
K0608882-030	1.00	11:39																							X		
K0608882-030L	5.00	11:42																							X		
CCV4	1.00	11:45																							X		
ZZZZZZ	1.00	11:48																									
CCB4	1.00	11:52																							X		

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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/24/06

End Date: 10/24/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	14:12				X							X						X								
S0	1.00	14:15				X							X						X								
ICV	1.00	14:17				X							X						X								
CCV1	1.00	14:20				X							X						X								
ICB	1.00	14:22				X							X						X								
CCB1	1.00	14:24				X							X						X								
CRDL1	1.00	14:27				X							X						X								
ICSA	1.00	14:29				X							X						X								
ICSAB	1.00	14:32				X							X						X								
K0608882-MB	1.00	14:40				X							X						X								
LCSW1	1.00	14:43				X							X						X								
LCSW2	1.00	14:46				X							X						X								
ZZZZZZ	1.00	14:48																									
K0608886-002L	5.00	14:51				X							X						X								
K0608886-002A	1.00	14:53				X							X						X								
ZZZZZZ	1.00	14:56																									
CCV2	1.00	14:58				X							X						X								
CCB2	1.00	15:00				X							X						X								
ZZZZZZ	1.00	15:04																									
ZZZZZZ	1.00	15:07																									
ZZZZZZ	1.00	15:09																									
ZZZZZZ	1.00	15:12																									
K0608882-022	1.00	15:14				X							X						X								
ZZZZZZ	1.00	15:17																									
ZZZZZZ	1.00	15:19																									
ZZZZZZ	1.00	15:22																									
ZZZZZZ	1.00	15:24																									
K0608882-027	1.00	15:26				X							X						X								
CCV3	1.00	15:29				X							X						X								
CCB3	1.00	15:31				X							X						X								

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METALS
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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/24/06

End Date: 10/24/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-028	1.00	15:34				X							X						X								
K0608882-029	1.00	15:36				X							X						X								
K0608882-030	1.00	15:39				X							X						X								
ZZZZZZ	1.00	15:41																									
ZZZZZZ	1.00	15:44																									
CCV4	1.00	15:46				X							X						X								
CCB4	1.00	15:49				X							X						X								

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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	18:56																			X						
S0.5	1.00	18:58																			X						
S1	1.00	19:00																			X						
S5	1.00	19:03																			X						
S10	1.00	19:05																			X						
S15	1.00	19:07																			X						
ICV	1.00	19:10																			X						
ICB	1.00	19:12																			X						
CRI	1.00	19:14																			X						
CCV1	1.00	19:17																			X						
CCB1	1.00	19:19																			X						
ZZZZZZ	2.00	19:21																									
ZZZZZZ	400.00	19:24																									
ZZZZZZ	2.00	19:26																									
ZZZZZZ	2.00	19:28																									
ZZZZZZ	200.00	19:31																									
ZZZZZZ	2.00	19:33																									
ZZZZZZ	2.00	19:35																									
ZZZZZZ	2.00	19:38																									
ZZZZZZ	2.00	19:40																									
ZZZZZZ	400.00	19:43																									
CCV2	1.00	19:45																			X						
CCB2	1.00	19:47																			X						
ZZZZZZ	2.00	19:50																									
ZZZZZZ	2.00	19:52																									
ZZZZZZ	2.00	19:54																									
ZZZZZZ	200.00	19:57																									
ZZZZZZ	2.00	19:59																									
ZZZZZZ	2.00	20:01																									
ZZZZZZ	2.00	20:04																									

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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	20:06																									
ZZZZZZ	2.00	20:08																									
ZZZZZZ	2.00	20:11																									
CCV3	1.00	20:13																			X						
CCB3	1.00	20:15																			X						
ZZZZZZ	2.00	20:18																									
ZZZZZZ	2.00	20:20																									
ZZZZZZ	2.00	20:23																									
ZZZZZZ	2.00	20:25																									
ZZZZZZ	2.00	20:27																									
ZZZZZZ	2.00	20:30																									
ZZZZZZ	2.00	20:32																									
ZZZZZZ	2.00	20:34																									
ZZZZZZ	2.00	20:36																									
ZZZZZZ	2.00	20:39																									
CCV4	1.00	20:41																			X						
CCB4	1.00	20:44																			X						
K0608882-MB	2.00	20:46																			X						
LCSW	400.00	20:48																			X						
ZZZZZZ	2.00	20:51																									
K0608882-022	2.00	20:53																			X						
ZZZZZZ	2.00	20:55																									
ZZZZZZ	2.00	20:58																									
ZZZZZZ	2.00	21:00																									
ZZZZZZ	2.00	21:02																									
K0608882-027	2.00	21:05																			X						
K0608882-028	2.00	21:07																			X						
CCV5	1.00	21:09																			X						
CCB5	1.00	21:12																			X						
K0608882-029	2.00	21:14																			X						

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ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-029D	2.00	21:16																			X						
K0608882-029S	200.00	21:19																			X						
K0608882-030	2.00	21:21																			X						
ZZZZZZ	2.00	21:23																									
ZZZZZZ	200.00	21:26																									
ZZZZZZ	2.00	21:28																									
ZZZZZZ	2.00	21:30																									
ZZZZZZ	200.00	21:33																									
ZZZZZZ	2.00	21:35																									
CCV6	1.00	21:37																			X						
CCB6	1.00	21:40																			X						
ZZZZZZ	2.00	21:42																									
ZZZZZZ	2.00	21:44																									
ZZZZZZ	2.00	21:47																									
ZZZZZZ	2.00	21:49																									
ZZZZZZ	2.00	21:52																									
ZZZZZZ	2.00	21:54																									
ZZZZZZ	2.00	21:56																									
ZZZZZZ	2.00	21:59																									
ZZZZZZ	2.00	22:01																									
ZZZZZZ	200.00	22:03																									
CCV7	1.00	22:05																			X						
CCB7	1.00	22:10																			X						
ZZZZZZ	2.00	22:13																									
ZZZZZZ	2.00	22:15																									
ZZZZZZ	200.00	22:17																									
ZZZZZZ	2.00	22:20																									
ZZZZZZ	2.00	22:22																									
ZZZZZZ	400.00	22:24																									
ZZZZZZ	2.00	22:27																									

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METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: PE-1

Method: F

Start Date: 11/9/06

End Date: 11/9/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	2.00	22:29																									
ZZZZZZ	2.00	22:32																									
ZZZZZZ	200.00	22:34																									
CCV8	1.00	22:36																			X						
CCB8	1.00	22:39																			X						
ZZZZZZ	2.00	22:44																									
CCV9	1.00	22:47																			X						
CCV9	1.00	22:50																			X						
CCB9	1.00	22:53																			X						

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METALS

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INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCSW7	K0608882-021
SCSW7D	K0608882-021D
SCSW7S	K0608882-021S
SCSW14	K0608882-028
SCSW15	K0608882-029
SCSW15D	K0608882-029D
SCSW15S	K0608882-029S
Method Blank	K0608882-MB
Method Blank	K0608882-MB2

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: Samples diluted 20 fold and analyzed without Reductive Precipitation

Signature: [signature]

Date: 12/18/06

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/29/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW7 Lab Code: K0608882-021

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	10.00	1.40	1	10/19/06	10/23/06	4.33	B	
Copper	6020	2.00	0.80	1	10/19/06	10/23/06	565		
Nickel	6020	4.00	1.60	1	10/19/06	10/23/06	1.60	U	
Vanadium	6020	4.00	0.40	1	10/19/06	10/23/06	0.40	U	

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/30/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW14 Lab Code: K0608882-028

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	10.00	1.40	1	10/19/06	10/23/06	11.8		
Copper	6020	2.00	0.80	1	10/19/06	10/23/06	1.47	B	
Nickel	6020	4.00	1.60	1	10/19/06	10/23/06	1.60	U	
Vanadium	6020	4.00	0.40	1	10/19/06	10/23/06	2.22	B	

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/05/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: SCSW15 Lab Code: K0608882-029

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	10.00	1.40	1	11/30/06	12/4/06	15.2		
Copper	6020	2.00	0.80	1	11/30/06	12/4/06	1.68	B	
Nickel	6020	4.00	1.60	1	11/30/06	12/4/06	3.69	B	
Vanadium	6020	4.00	0.40	1	11/30/06	12/4/06	1.92	B	

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	
Project Name:	Alaska Salt Chuck Mine	Date Received:	
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: Method Blank Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	10.00	1.40	1	10/19/06	10/23/06	1.40	U	
Copper	6020	2.00	0.80	1	10/19/06	10/23/06	0.80	U	
Nickel	6020	4.00	1.60	1	10/19/06	10/23/06	1.60	U	
Vanadium	6020	4.00	0.40	1	10/19/06	10/23/06	0.40	U	

% Solids: 0.0

Comments:

METALS

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INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	
Project Name:	Alaska Salt Chuck Mine	Date Received:	
Matrix:	WATER	Units:	µG/L
		Basis:	NA

Sample Name: Method Blank Lab Code: K0608882-MB2

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6020	10.00	1.40	1	11/30/06	12/4/06	1.40	U	
Copper	6020	2.00	0.80	1	11/30/06	12/4/06	0.80	U	
Nickel	6020	4.00	1.60	1	11/30/06	12/4/06	1.60	U	
Vanadium	6020	4.00	0.40	1	11/30/06	12/4/06	0.40	U	

% Solids: 0.0

Comments:

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	25.0	26.4	106	25.0	25.0	100	24.8	99	6020
Copper	12.5	12.7	102	25.0	25.0	100	24.3	97	6020
Nickel	25.0	25.6	102	25.0	25.0	100	24.1	96	6020
Vanadium	25.0	25.8	103	25.0	25.0	100	24.8	99	6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				25.0	25.0	100			6020
Copper				25.0	24.6	98			6020
Nickel				25.0	24.9	99			6020
Vanadium				25.0	25.9	104			6020

METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	25.0	25.3	101	25.0	24.9	100	25.4	102	6020
Copper	12.5	11.9	95	25.0	24.6	98	25.0	100	6020
Nickel	25.0	23.9	96	25.0	24.7	99	25.4	102	6020
Vanadium	25.0	24.0	96	25.0	24.9	100	25.4	102	6020

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				0.50	0.61	121		
Copper				0.10	0.14	143		
Nickel				0.20	0.25	126		
Vanadium				0.20	0.18	91		

METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				0.50	0.66	131		
Copper				0.10	0.17	166		
Nickel				0.20	0.23	113		
Vanadium				0.20	0.23	113		

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C			Method
Arsenic	0.10	B	0.07	U	0.10	B	0.07	U					6020
Copper	0.04	U	0.04	U	0.04	U	0.04	U					6020
Nickel	0.08	U	0.08	U	0.08	U	0.08	U					6020
Vanadium	0.02	U	0.02	U	0.02	U	0.02	U					6020

METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Arsenic	0.09	B	0.07	U	0.10	B								6020
Copper	0.05	B	0.04	U	0.04	U								6020
Nickel	0.08	U	0.08	U	0.08	U								6020
Vanadium	0.02	U	0.02	U	0.02	U								6020

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		20	0.21	22.7	114			
Copper		20	0.30	21.5	108			
Nickel		20	0.24	21.7	109			
Vanadium								

METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic		20	0.05	22.7	114			
Copper		20	0.39	22.1	111			
Nickel		20	0.54	22.5	113			
Vanadium								

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: µg/L
Project Name: Alaska Salt Chuck Mine
Basis: NA
Matrix: WATER
% Solids: 0.0

Sample Name: SCSW7S
Lab Code: K0608882-021S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	73 - 125	440		4.33	B	400	109		6020
Copper	70 - 116	965		565		400	100		6020
Nickel	70 - 118	402		1.60	U	400	101		6020
Vanadium	85 - 116	420		0.40	U	400	105		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: µg/L
Project Name: Alaska Salt Chuck Mine
Basis: NA
Matrix: WATER
% Solids: 0.0

Sample Name: SCSW15S
Lab Code: K0608882-029S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	73 - 125	452		15.2		400	109		6020
Copper	70 - 116	389		1.68	B	400	97		6020
Nickel	70 - 118	400		3.69	B	400	99		6020
Vanadium	85 - 116	453		1.92	B	400	113		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Matrix: WATER

Sample Name: SCSW7A

Lab Code: K0608882-021A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75-125	21.0		0.22	B	20.0	104		MS
Copper	75-125	47.3		28.3		20.0	95		MS
Nickel	75-125	20.0		0.08	U	20.0	100		MS
Vanadium	75-125	20.8		0.02	U	20.0	104		MS

Comments:

METALS
- 5b -
POST DIGEST SPIKE SAMPLE RECOVERY

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Sample Name: SCSW15A
Lab Code: K0608882-029A

Analyte	Control Limit %R	Spiked Sample Result (SSR)	C	Sample Result (SR)	C	Spike Added (SA)	%R	Q	M
Arsenic	75-125	21.8		0.76		20.0	105		MS
Copper	75-125	19.4		0.08	B	20.0	97		MS
Nickel	75-125	20.0		0.18	B	20.0	99		MS
Vanadium	75-125	22.7		0.10	B	20.0	113		MS

Comments:

METALS

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DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: WATER

Service Request: K0608882
Units: µg/L
Basis: NA
% Solids: 0.0

Sample Name: SCSW7D
Lab Code: K0608882-021D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		4.33	B	3.37	B	25		6020
Copper	20	565		563		0		6020
Nickel		1.60	U	1.60	U			6020
Vanadium		0.40	U	0.67	B	200.0		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

Form VI - IN

METALS

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DUPLICATES

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Units:	µg/L
Project Name:	Alaska Salt Chuck Mine	Basis:	NA
Matrix:	WATER	% Solids:	0.0

Sample Name: SCSW15D Lab Code: K0608882-029D

Analyte	Control Limit(%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		15.2		16.2		6		6020
Copper		1.68	B	1.58	B	6		6020
Nickel		3.69	B	3.98	B	8		6020
Vanadium		1.92	B	2.00	B	4		6020

An empty field in the Control Limit column indicates the control limit is not applicabl

METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous ug/L			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	20.0	20.4	102					
Copper	20.0	20.0	100					
Nickel	20.0	20.1	101					
Vanadium	20.0	20.6	103					

METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous ug/L True	Aqueous ug/L Found	Aqueous ug/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits		Solid (mg/kg) %R
Arsenic	20.0	20.5	103						
Copper	20.0	20.8	104						
Nickel	20.0	20.8	104						
Vanadium	20.0	20.9	104						

METALS

- 9 -

ICP SERIAL DILUTIONS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Sample Name: SCSW7L

Lab Code: K0608882-021L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.22	B	0.40	B	86		6020
Copper	28.3		33.2		18	E	6020
Nickel	0.08	U	0.40	U			6020
Vanadium	0.02	U	0.10	U			6020

METALS
- 9 -
ICP SERIAL DILUTIONS

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine

Sample Name: SCSW15L
Lab Code: K0608882-029L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	0.76		0.99	B	30		6020
Copper	0.08	B	0.20	U			6020
Nickel	0.18	B	0.40	U			6020
Vanadium	0.10	B	0.10	U			6020

METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: X Series

GFAA ID #:

AA ID #:

Analyte	Mass	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Arsenic	75		0.50	0.07	6020
Copper	65		0.10	0.04	6020
Nickel	60		0.20	0.08	6020
Vanadium	51		0.20	0.02	6020

Comments:

METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: X Series

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	15.00	1000.0	6020
Copper	15.00	400.0	6020
Nickel	15.00	400.0	6020
Vanadium	15.00	1000.0	6020

Comments: _____

METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: MS

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	CLFAA	50	50
K0608882-MB	10/19/06	CLFAA	2.5	50
K0608882-028	10/19/06	CLFAA	2.5	50
K0608882-021	10/19/06	CLFAA	2.5	50
K0608882-021D	10/19/06	CLFAA	2.5	50
K0608882-021S	10/19/06	CLFAA	2.5	50
LCSW2	11/30/06	CLFAA	50	50
K0608882-MB2	11/30/06	CLFAA	2.5	50
K0608882-029	11/30/06	CLFAA	2.5	50
K0608882-029D	11/30/06	CLFAA	2.5	50
K0608882-029S	11/30/06	CLFAA	2.5	50

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 10/23/06

End Date: 10/23/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	09:09				X							X						X						X		
S25	1.00	09:11				X							X						X						X		
ICV	1.00	09:13				X							X						X						X		
CCV1	1.00	09:15				X							X						X						X		
ICB	1.00	09:17				X							X						X						X		
CCB1	1.00	09:19				X							X						X						X		
CRDL1	1.00	09:21				X							X						X						X		
ICSA	1.00	09:23				X							X						X						X		
ICSAB	1.00	09:25				X							X						X						X		
K0608882-MB	1.00	09:27				X							X						X						X		
LCSW	1.00	09:29				X							X						X						X		
K0608882-021	1.00	09:31				X							X						X						X		
K0608882-021D	1.00	09:33				X							X						X						X		
K0608882-021L	5.00	09:35				X							X						X						X		
K0608882-021A	1.00	09:37				X							X						X						X		
K0608882-021S	1.00	09:39				X							X						X						X		
CCV2	1.00	09:41				X							X						X						X		
CCB2	1.00	09:43				X							X						X						X		
K0608882-028	1.00	09:45				X							X						X						X		
ZZZZZZ	5.00	09:47																									
ZZZZZZ	50.00	09:49																									
ZZZZZZ	5.00	09:51																									
ZZZZZZ	5.00	09:53																									
ZZZZZZ	25.00	09:55																									
ZZZZZZ	5.00	09:57																									
CCV3	1.00	09:59				X							X						X						X		
CCB3	1.00	10:01				X							X						X						X		

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: X Series

Method: MS

Start Date: 12/4/06

End Date: 12/4/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	08:32				X							X						X						X		
S25	1.00	08:34				X							X						X						X		
ICV2	1.00	08:36				X							X						X						X		
CCV1	1.00	08:38				X							X						X						X		
ICB2	1.00	08:40				X							X						X						X		
CCB1	1.00	08:42				X							X						X						X		
CRDL1	1.00	08:45				X							X						X						X		
ICSA	1.00	08:47				X							X						X						X		
ICSAB	1.00	08:49				X							X						X						X		
K0608882-MB2	1.00	08:51				X							X						X						X		
LCSW2	1.00	08:53				X							X						X						X		
K0608882-029	1.00	08:55				X							X						X						X		
K0608882-029D	1.00	08:57				X							X						X						X		
K0608882-029L	5.00	08:59				X							X						X						X		
K0608882-029A	1.00	09:01				X							X						X						X		
K0608882-029S	1.00	09:03				X							X						X						X		
CCV2	1.00	09:05				X							X						X						X		
CCB2	1.00	09:07				X							X						X						X		

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Columbia Analytical Services
Metals Digestion Sheet

Extr/Prep Batch
KP0612622

Service Request Number(s) : K0608882

Star Lims Run No.:

Method : CLP 3010A 3020A 3005A 3050B CLP Hot Block Other-

Analysis for : ICP ICP-MS GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
BLK			X		100	10% HNO3, 10% HCl
LCS	1.00					
K0608882-1	1.21					
-2	1.21					
-3	1.20					
-4	1.21					
-10	1.20					
-11	1.19					
-12	1.79					
-13	1.01					
-20	1.21					
-32	1.19					
-10A	1.20					
-10S	1.21					

BS 10/19/06

Time Digestion Started:

Lot # Acids Used: HNO3 C28025 **HCl** 46109 **H2O2** 46062622

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 **Other:**

GFAA LCSW = GFLCSW, MET1-52-W, _____ mls. added

ICP LCSW = CLP-CV-1, MET1-52-A, _____ mls. added

QCP CICV-2, MET1-51-T, _____ mls. added

QCP CICV-3, MET1-51-U, _____ mls. added

SS6, MET1-52-V, _____ mls. added

TCLP Spike/LCSE

TSS1 MET1-47-C _____ mls. added

SPIKE INFO

SS1-MET1-52-U, _____ mls added SS4-MET1-48-A, _____ mls added

SS5-MET1-52-H, _____ mls added 200.8 1000ppb Stock (MS9-85-A) _____ mls added

SS6-MET1-52-V, _____ mls added Ag 1000ppb Stock (MS9 -62-H) _____ mls added

Additional spikes:

Comments:

Analyst Brian Sheldon **Date** 10/19/06

Reviewer [illegible] **Date** 10/23/06

metdig.xls

METALS SPIKE FORM

Service Request # K0609882
Q.C. Sample # 10

Circle type of digest: GFAA ICP FAA ICP-MS Other:_____ Initials / Date: BS / 10/19/06
Circle type of sample: Soil Water Misc. Sludge Oil Other:_____

Solution Name	Element	mls of 1000ppm Solution	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-52-U	HNO3	50.0	1000ml	JT Baker	C28025	-	-	2.0	Expires:7/1/07
	Al	100	1000ml		Z-MEB213068	9/1/2007	200		
	Ag	100	1000ml		Z-MEB213068	9/1/2007	5		
	Ba	100	1000ml		Z-MEB213068	9/1/2007	200		
	Be	100	1000ml		Z-MEB213068	9/1/2007	5		
	Cd	100	1000ml		Z-MEB213068	9/1/2007	5		
	Co	100	1000ml		Z-MEB213068	9/1/2007	50		
	Cr	100	1000ml		Z-MEB213068	9/1/2007	20		
	Cu	100	1000ml		Z-MEB213068	9/1/2007	25		
	Fe	100	1000ml		Z-MEB213068	9/1/2007	100		
	Pb	100	1000ml		Z-MEB213068	9/1/2007	50		
	Mn	100	1000ml		Z-MEB213068	9/1/2007	50		
	Ni	100	1000ml		Z-MEB213068	9/1/2007	50		
	Sb	50*	1000ml		MET1-50-J	7/1/2007	50		
	V	100	1000ml		Z-MEB213068	9/1/2007	50		
	Zn	100	1000ml		Z-MEB213068	9/1/2007	50		
SS4-MET1-52-T	HNO3	25.0	500ml	JT BAKER	A48046	-	-		Expires:7/11/07
	As	2.0	500ml	MET1-47-I	529701	7/11/2007	4		
	Cd	2.0	500ml	MET1-49-L	605906	12/15/2007	4		
	Pb	2.0	500ml	MET1-50-C	611804	12/15/2007	4		
	Se	2.0	500ml	MET1-49-M	616579	12/15/2007	4		
	Tl	2.0	500ml	MET1-49-O	616317	12/15/2007	4		
	Cu	2.0	500ml	MET1-50-E	611815	12/15/2007	4		
SS5-MET1-52-H	HNO3	25.0	500ml	JT BAKER	B41068	-	-	1.0	Expires:7/1107
	As	50.0	500ml	MET1-47-I	529701	7/11/2007	100		
	Se	50.0	500ml	MET1-49-M	616519	10/31/2006	100		
	Tl	50.0	500ml	MET1-49-O	616317	12/15/2007	100		
SS6-MET1-52-V	HNO3	25	500ml	JT BAKER	B41068	-	-	1.0	Expires: 2/1/07
	B	50	500ml	MET1-50-D	60216	12/15/2007	100		
	Mo	50	500ml	MET1-46-O	Y-M002010	2/1/2007	100		
GFLCSW (MET1-52-W)	HNO3	10.0	1000ml	JT BAKER	C28025	-	-		Expires: 8/1/2007
	As, Pb, Se, Tl	5.0	1000ml	QCP-CICV-3	Y-MEB194030	8/1/2007	2.5		
	Cd	-	-	QCP-CICV-3	Y-MEB194030	8/1/2007	1.25		
	Cu	2.5	1000ml	MET1-50-E	611815	12/15/2007	2.5		
CLP-CV-1 (MET1-52-A)	Ca, Mg, Na, K	no dilution	-	HP	620009	8/9/2007	2500		Expires:8/09/07
	Al, Ba	no dilution	-	HP	620009	8/9/2007	1000		
	Fe	no dilution	-	HP	620009	8/9/2007	500		
	Co, Mn, Ni, V, Zn	no dilution	-	HP	620009	8/9/2007	250		
	Cu, Ag	no dilution	-	HP	620009	8/9/2007	125		
	Cr	no dilution	-	HP	620009	8/9/2007	100		
	Be	no dilution	-	HP	620009	8/9/2007	25		
QCP-CICV-2 (MET1-51-T)	Sb	no dilution	-	IV	Y- MEB194029	8/1/2007	500		Expires: 08/1/07
QCP-CICV-3 (MET1-51-U)	As, Pb, Se, Tl	no dilution	-	IV	Y- MEB194030	8/1/2007	500		Expires: 08/01/07
	Cd	no dilution	-	IV	Y- MEB194030	8/1/2007	250		

* Denotes volume of 1000 ppm stock standard.

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s) : K0608882
Star Lims Run No.: 39324

Method : CLP 3010A 3020A
3005A (3050B) CLP Hot Block Other-

Analysis for : ICP (ICP-MS) GFAA
Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
BLK			X		100	10% HNO3
LCS	1.00					
K0608882-1	1.19					
-2	1.20					
-3	1.19					
-4	1.21					
-5	1.21					
-6	1.19					
-7	1.19					
-10	1.20					
-11	1.21					
-12	1.81					
-13	1.00					
-14	1.21					
-15	1.00					
-16	1.39					
-17	1.21					
-18	1.20					
-20	BS 10/18/06 ~~1.21~~ 1.20					
-10d	1.21					
-10s	1.20					
-31	1.19					
-32	1.21					
				BS 10/18/06		

Time Digestion Started:

Lot # Acids Used: HNO3 C28025 **HCl** **H2O2** 46062622

LCSS (circle appropriate) **ERA CLP Soil Lot # D045540** **Other:**

GFAA LCSW = GFLCSW, MET1-52-W, mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, mls. added
QCP CICV-2, MET1-51-T, mls. added
QCP CICV-3, MET1-51-U, mls. added
SS6, MET1-52-V, mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C mls. added

SPIKE INFO
SS1-MET1-52-U, 2.0 mls added SS4-MET1-48-A, mls added
SS5-MET1-52-H, 1.0 mls added 200.8 1000ppb Stock (MS9-85-A) mls added
SS6-MET1-52-V, 1.0 mls added Ag 1000ppb Stock (MS9 -62-H) mls added

Additional spikes:

Comments:

Analyst Brian Stell **Date** 10/18/06
Reviewer **Date** 10/23/06

metdig.xls

METALS SPIKE FORM

Service Request # K0603882
Q.C. Sample # 10

Circle type of digest: GFAA ICP FAA (ICP-MS) Other:_____ Initials / Date: BS / 10/19/06
Circle type of sample: (Soil) Water Misc. Sludge Oil Other:_____

Solution Name	Element	mls of 1000ppm Solution	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-52-U	HNO3	50.0	1000ml	JT Baker	C28025	-	-	2.0	Expires:7/1/07
	Al	100	1000ml		Z-MEB213068	9/1/2007	200		
	Ag	100	1000ml		Z-MEB213068	9/1/2007	5		
	Ba	100	1000ml		Z-MEB213068	9/1/2007	200		
	Be	100	1000ml		Z-MEB213068	9/1/2007	5		
	Cd	100	1000ml		Z-MEB213068	9/1/2007	5		
	Co	100	1000ml		Z-MEB213068	9/1/2007	50		
	Cr	100	1000ml		Z-MEB213068	9/1/2007	20		
	Cu	100	1000ml		Z-MEB213068	9/1/2007	25		
	Fe	100	1000ml		Z-MEB213068	9/1/2007	100		
	Pb	100	1000ml		Z-MEB213068	9/1/2007	50		
	Mn	100	1000ml		Z-MEB213068	9/1/2007	50		
	Ni	100	1000ml		Z-MEB213068	9/1/2007	50		
	Sb	50*	1000ml		MET1-50-J	7/1/2007	50		
	V	100	1000ml		Z-MEB213068	9/1/2007	50		
	Zn	100	1000ml		Z-MEB213068	9/1/2007	50		
SS4-MET1-52-T	HNO3	25.0	500ml	JT BAKER	A48046	-	-		Expires:7/11/07
	As	2.0	500ml	MET1-47-I	529701	7/11/2007	4		
	Cd	2.0	500ml	MET1-49-L	605906	12/15/2007	4		
	Pb	2.0	500ml	MET1-50-C	611804	12/15/2007	4		
	Se	2.0	500ml	MET1-49-M	616579	12/15/2007	4		
	Tl	2.0	500ml	MET1-49-O	616317	12/15/2007	4		
	Cu	2.0	500ml	MET1-50-E	611815	12/15/2007	4		
SS5-MET1-52-H	HNO3	25.0	500ml	JT BAKER	B41068	-	-	1.0	Expires:7/1107
	As	50.0	500ml	MET1-47-I	529701	7/11/2007	100		
	Se	50.0	500ml	MET1-49-M	616519	10/31/2006	100		
	Tl	50.0	500ml	MET1-49-O	616317	12/15/2007	100		
SS6-MET1-52-V	HNO3	25	500ml	JT BAKER	B41068	-	-	1.0	Expires: 2/1/07
	B	50	500ml	MET1-50-D	60216	12/15/2007	100		
	Mo	50	500ml	MET1-46-O	Y-M002010	2/1/2007	100		
GFLCSW (MET1-52-W)	HNO3	10.0	1000ml	JT BAKER	C28025	-	-		Expires: 8/1/2007
	As, Pb, Se, Tl	5.0	1000ml	QCP-CICV-3	Y-MEB194030	8/1/2007	2.5		
	Cd	-	-	QCP-CICV-3	Y-MEB194030	8/1/2007	1.25		
	Cu	2.5	1000ml	MET1-50-E	611815	12/15/2007	2.5		
CLP-CV-1 (MET1-52-A)	Ca, Mg, Na, K	no dilution	-	HP	620009	8/9/2007	2500		Expires:8/09/07
	Al, Ba	no dilution	-	HP	620009	8/9/2007	1000		
	Fe	no dilution	-	HP	620009	8/9/2007	500		
	Co, Mn, Ni, V, Zn	no dilution	-	HP	620009	8/9/2007	250		
	Cu, Ag	no dilution	-	HP	620009	8/9/2007	125		
	Cr	no dilution	-	HP	620009	8/9/2007	100		
	Be	no dilution	-	HP	620009	8/9/2007	25		
QCP-CICV-2 (MET1-51-T)	Sb	no dilution	-	IV	Y- MEB194029	8/1/2007	500		Expires: 08/1/07
QCP-CICV-3 (MET1-51-U)	As, Pb, Se, Tl	no dilution	-	IV	Y- MEB194030	8/1/2007	500		Expires: 08/01/07
	Cd	no dilution	-	IV	Y- MEB194030	8/1/2007	250		

* Denotes volume of 1000 ppm stock standard.

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

9-26-06

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s) : K0608882
Star Lims Run No.: 39325

Method : CLP 3010A 3020A
3005A 3050B CLP Hot Block Other- _____

Analysis for : ICP ICP-MS GFAA
Flame AA Other _____

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
BLK			X		100	10% HNO3 5% HCl
LCS	1.00					
K0608882-10	1.20					
-11	1.20					
-12	1.81					
-13	1.00					
-14	1.20					
-15	1.00					
-16	1.39					
-17	1.21					
-18	1.20					
-19d	1.20					
-10s	1.20					
-31	1.20					

BS 10/19/06

Time Digestion Started: _____

Lot # Acids Used: HNO3 C28025 **HCl** 46109 **H2O2** 46062622

LCSS (circle appropriate) **ERA CLP Soil Lot # D045540** **Other:** _____

GFAA LCSW = GFLCSW, MET1-52-W, _____ mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, _____ mls. added
QCP CICV-2, MET1-51-T, _____ mls. added
QCP CICV-3, MET1-51-U, _____ mls. added
SS6, MET1-52-V, _____ mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C _____ mls. added

SPIKE INFO
SS1-MET1-52-U, 2.0 mls added SS4-MET1-48-A, _____ mls added
SS5-MET1-52-H, 1.0 mls added 200.8 1000ppb Stock (MS9-85-A) _____ mls added
SS6-MET1-52-V, 1.0 mls added Ag 1000ppb Stock (MS9 -62-H) _____ mls added

Additional spikes: _____

Comments: _____

Analyst Brian Shell **Date** 10/19/06
Reviewer _____ **Date** 10/20/06

metdig.xls

METALS SPIKE FORM

Service Request # K0608882
Q.C. Sample # 10

Circle type of digest: GFAA ICP (FAA) ICP-MS Other:_____ Initials / Date: BS / 10/19/06
Circle type of sample: (Soil) Water Misc. Sludge Oil Other:_____

Solution Name	Element	mls of 1000ppm Solution	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-52-U	HNO3	50.0	1000ml	JT Baker	C28025	-	-	2.0	Expires:7/1/07
	Al	100	1000ml		Z-MEB213068	9/1/2007	200		
	Ag	100	1000ml		Z-MEB213068	9/1/2007	5		
	Ba	100	1000ml		Z-MEB213068	9/1/2007	200		
	Be	100	1000ml		Z-MEB213068	9/1/2007	5		
	Cd	100	1000ml		Z-MEB213068	9/1/2007	5		
	Co	100	1000ml		Z-MEB213068	9/1/2007	50		
	Cr	100	1000ml		Z-MEB213068	9/1/2007	20		
	Cu	100	1000ml		Z-MEB213068	9/1/2007	25		
	Fe	100	1000ml		Z-MEB213068	9/1/2007	100		
	Pb	100	1000ml		Z-MEB213068	9/1/2007	50		
	Mn	100	1000ml		Z-MEB213068	9/1/2007	50		
	Ni	100	1000ml		Z-MEB213068	9/1/2007	50		
	Sb	50*	1000ml		MET1-50-J	7/1/2007	50		
	V	100	1000ml		Z-MEB213068	9/1/2007	50		
	Zn	100	1000ml		Z-MEB213068	9/1/2007	50		
SS4-MET1-52-T	HNO3	25.0	500ml	JT BAKER	A48046	-	-		Expires:7/11/07
	As	2.0	500ml	MET1-47-I	529701	7/11/2007	4		
	Cd	2.0	500ml	MET1-49-L	605906	12/15/2007	4		
	Pb	2.0	500ml	MET1-50-C	611804	12/15/2007	4		
	Se	2.0	500ml	MET1-49-M	616579	12/15/2007	4		
	Tl	2.0	500ml	MET1-49-O	616317	12/15/2007	4		
	Cu	2.0	500ml	MET1-50-E	611815	12/15/2007	4		
SS5-MET1-52-H	HNO3	25.0	500ml	JT BAKER	B41068	-	-	1.0	Expires:7/1107
	As	50.0	500ml	MET1-47-I	529701	7/11/2007	100		
	Se	50.0	500ml	MET1-49-M	616519	10/31/2006	100		
	Tl	50.0	500ml	MET1-49-O	616317	12/15/2007	100		
SS6-MET1-52-V	HNO3	25	500ml	JT BAKER	B41068	-	-	1.0	Expires: 2/1/07
	B	50	500ml	MET1-50-D	60216	12/15/2007	100		
	Mo	50	500ml	MET1-46-O	Y-M002010	2/1/2007	100		
GFLCSW (MET1-52-W)	HNO3	10.0	1000ml	JT BAKER	C28025	-	-		Expires: 8/1/2007
	As, Pb, Se, Tl	5.0	1000ml	QCP-CICV-3	Y-MEB194030	8/1/2007	2.5		
	Cd	-	-	QCP-CICV-3	Y-MEB194030	8/1/2007	1.25		
	Cu	2.5	1000ml	MET1-50-E	611815	12/15/2007	2.5		
CLP-CV-1 (MET1-52-A)	Ca, Mg, Na, K	no dilution	-	HP	620009	8/9/2007	2500		Expires:8/09/07
	Al, Ba	no dilution	-	HP	620009	8/9/2007	1000		
	Fe	no dilution	-	HP	620009	8/9/2007	500		
	Co, Mn, Ni, V, Zn	no dilution	-	HP	620009	8/9/2007	250		
	Cu, Ag	no dilution	-	HP	620009	8/9/2007	125		
	Cr	no dilution	-	HP	620009	8/9/2007	100		
	Be	no dilution	-	HP	620009	8/9/2007	25		
QCP-CICV-2 (MET1-51-T)	Sb	no dilution	-	IV	Y- MEB194029	8/1/2007	500		Expires: 08/1/07
QCP-CICV-3 (MET1-51-U)	As, Pb, Se, Tl	no dilution	-	IV	Y- MEB194030	8/1/2007	500		Expires: 08/01/07
	Cd	no dilution	-	IV	Y- MEB194030	8/1/2007	250		

* Denotes volume of 1000 ppm stock standard.

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

9-26-06

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s) : K0608882
Star Lims Run No.: 39328

Method : CLP 3010A 3020A
3005A 3050B ~~CLP Hot Block~~ BS 10/19/06 Other-

Analysis for : ICP ICP-MS GFAA
Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
BLK			X	50	50	6% HNO_3, 5% HCl
LCSW						
K0608882-21						
-22						
-23						
-24						
-25						
-26						
-27						
-28						
-29						
-29d						
-29s						
-30						

BS 10/19/06

Time Digestion Started:

Lot # Acids Used: HNO3 C28025 **HCl** 46105 **H2O2**

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other:

GFAA LCSW = GFLCSW, MET1-52-W, ____ mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, 0.25 mls. added
QCP CICV-2, MET1-51-T, 0.25 mls. added
QCP CICV-3, MET1-51-U, 0.25 mls. added
SS6, MET1-52-V, 0.5 mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C ____ mls. added

SPIKE INFO
SS1-MET1-52-U, 0.5 mls added SS4-MET1-48-A, ____ mls added
SS5-MET1-52-H, 0.5 mls added 200.8 1000ppb Stock (MS9-85-A) ____ mls added
SS6-MET1-52-V, 0.5 mls added Ag 1000ppb Stock (MS9 -62-H) ____ mls added

Additional spikes:

Comments:

Analyst Brian Shelton **Date** 10/19/06
Reviewer [illegible] **Date** 10/23/06

metdig.xls

METALS SPIKE FORM

Service Request # K0603482
Q.C. Sample # 29

Circle type of digest: GFAA (ICP) (FAA) ICP-MS Other:_____ Initials / Date: BS / 10/4/06
Circle type of sample: Soil (Water) Misc. Sludge Oil Other:_____

Solution Name	Element	mls of 1000ppm Solution	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-52-U	HNO3	50.0	1000ml	JT Baker	C28025	-	-	0.5	Expires:7/1/07
	Al	100	1000ml		Z-MEB213068	9/1/2007	200		
	Ag	100	1000ml		Z-MEB213068	9/1/2007	5		
	Ba	100	1000ml		Z-MEB213068	9/1/2007	200		
	Be	100	1000ml		Z-MEB213068	9/1/2007	5		
	Cd	100	1000ml		Z-MEB213068	9/1/2007	5		
	Co	100	1000ml		Z-MEB213068	9/1/2007	50		
	Cr	100	1000ml		Z-MEB213068	9/1/2007	20		
	Cu	100	1000ml		Z-MEB213068	9/1/2007	25		
	Fe	100	1000ml		Z-MEB213068	9/1/2007	100		
	Pb	100	1000ml		Z-MEB213068	9/1/2007	50		
	Mn	100	1000ml		Z-MEB213068	9/1/2007	50		
	Ni	100	1000ml		Z-MEB213068	9/1/2007	50		
	Sb	50*	1000ml		MET1-50-J	7/1/2007	50		
	V	100	1000ml		Z-MEB213068	9/1/2007	50		
	Zn	100	1000ml		Z-MEB213068	9/1/2007	50		
SS4-MET1-52-T	HNO3	25.0	500ml	JT BAKER	A48046	-	-		Expires:7/11/07
	As	2.0	500ml	MET1-47-I	529701	7/11/2007	4		
	Cd	2.0	500ml	MET1-49-L	605906	12/15/2007	4		
	Pb	2.0	500ml	MET1-50-C	611804	12/15/2007	4		
	Se	2.0	500ml	MET1-49-M	616579	12/15/2007	4		
	Tl	2.0	500ml	MET1-49-O	616317	12/15/2007	4		
	Cu	2.0	500ml	MET1-50-E	611815	12/15/2007	4		
SS5-MET1-52-H	HNO3	25.0	500ml	JT BAKER	B41068	-	-	0.5	Expires:7/1107
	As	50.0	500ml	MET1-47-J	529701	7/11/2007	100		
	Se	50.0	500ml	MET1-49-M	616519	10/31/2006	100		
	Tl	50.0	500ml	MET1-49-O	616317	12/15/2007	100		
SS6-MET1-52-V	HNO3	25	500ml	JT BAKER	B41068	-	-	0.5	Expires: 2/1/07
	B	50	500ml	MET1-50-D	60216	12/15/2007	100		
	Mo	50	500ml	MET1-46-O	Y-M002010	2/1/2007	100		

GFLCSW (MET1-52-W)	HNO3	10.0	1000ml	JT BAKER	C28025	-	-	0.25	Expires: 8/1/2007
	As, Pb, Se, Tl	5.0	1000ml	QCP-CICV-3	Y-MEB194030	8/1/2007	2.5		
	Cd	-	-	QCP-CICV-3	Y-MEB194030	8/1/2007	1.25		
	Cu	2.5	1000ml	MET1-50-E	611815	12/15/2007	2.5		
CLP-CV-1 (MET1-52-A)	Ca, Mg, Na, K	no dilution	-	HP	620009	8/9/2007	2500	0.25	Expires:8/09/07
	Al, Ba	no dilution	-	HP	620009	8/9/2007	1000		
	Fe	no dilution	-	HP	620009	8/9/2007	500		
	Co, Mn, Ni, V, Zn	no dilution	-	HP	620009	8/9/2007	250		
	Cu, Ag	no dilution	-	HP	620009	8/9/2007	125		
	Cr	no dilution	-	HP	620009	8/9/2007	100		
	Be	no dilution	-	HP	620009	8/9/2007	25		
QCP-CICV-2 (MET1-51-T)	Sb	no dilution	-	IV	Y- MEB194029	8/1/2007	500	0.25	Expires: 08/1/07
QCP-CICV-3 (MET1-51-U)	As, Pb, Se, Tl	no dilution	-	IV	Y- MEB194030	8/1/2007	500	0.25	Expires: 08/01/07
	Cd	no dilution	-	IV	Y- MEB194030	8/1/2007	250		

* Denotes volume of 1000 ppm stock standard.

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

Columbia Analytical Services
Metals Digestion Sheet

report separately

Service Request Number(s) : K0608882
Star Lims Run No.: 39329

Method : CLP 3010A 3020A 3005A 3050B (CLP Hot Block) Other-

Analysis for : ICP (ICP-MS) GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
BLK			X	50	50	1% HNO_3
LCSW						
K0608882-21				2.5		
-21d						
-21s						
-28						

BS 10/19/06

Time Digestion Started:

Lot # Acids Used: HNO3 MS9-51-C **HCl** **H2O2**

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other:

GFAA LCSW = GFLCSW, MET1-52-W, mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, mls. added
QCP CICV-2, MET1-51-T, mls. added
QCP CICV-3, MET1-51-U, mls. added
SS6, MET1-52-V, mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C mls. added

SPIKE INFO
SS1-MET1-52-U, mls added SS4-MET1-48-A, mls added
SS5-MET1-52-H, mls added 200.8 1000ppb Stock (MS9-85-A) 1.0 mls added
SS6-MET1-52-V, mls added Ag 1000ppb Stock (MS9 -62-H) 1.0 mls added

Additional spikes:

Comments:

Analyst Brian Schlb **Date** 10/19/06
Reviewer **Date** 10/23/06

metdig.xls

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s) : K0608882-29
Star Lims Run No.: 21624

Method : CLP 3010A 3020A 3005A 3050B CLP Hot Block Other-

Analysis for : ICP ICP-MS GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBW			X	50	50	1% HNO3
LCSW						
K0608882-29				25		
-29d						
-29s						

UMW 11/30/06

Time Digestion Started: 1300

Lot # Acids Used: HNO3 MG9-51-C **HCl** _____ **H2O2** _____

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other:_____

GFAA LCSW = GFLCSW, MET1-52-W, _____ mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, _____ mls. added
QCP CICV-2, MET1-51-T, _____ mls. added
QCP CICV-3, MET1-51-U, _____ mls. added
SS6, MET1-52-Y, _____ mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C _____ mls. added

SPIKE INFO
SS1-MET1-52-U,_____ mls added SS4-MET1-48-A,_____ mls added
SS5-MET1-52-X,_____ mls added 200.8 1000ppb Stock (MS9-85-A) 1.0 mls added
SS6-MET1-52-Y,_____ mls added Ag 1000ppb Stock (MS9 -62-H) 1.0 mls added

Additional spikes:_____

Comments: _____

Analyst Michelle Ritola **Date** 11/30/06
Reviewer _____ **Date** 11/30/06

metdig.xls

Columbia Analytical Services
Metals Digestion Sheet

StarLims Number: 39331

Method : **RPTM**

Analysis for: **ICP-MS**

Sample			Initial Volume(ml)	Final Volume (ml)	Matrix
PBW			100	100	2.5% HNO3 / 0.4%HCl
LCSW			1000	100	2.5% HNO3 / 0.4%HCl
LCSWd			1000	100	2.5% HNO3 / 0.4%HCl
K0608886-002			1000	100	2.5% HNO3 / 0.4%HCl
K0608886-003			1000	100	2.5% HNO3 / 0.4%HCl
K0608843-006			1000	100	2.5% HNO3 / 0.4%HCl
K0608843-008			1000	100	2.5% HNO3 / 0.4%HCl
K0608843-009			1000	100	2.5% HNO3 / 0.4%HCl
K0608882-021			1000	100	2.5% HNO3 / 0.4%HCl
K0608882-022			870	100	2.5% HNO3 / 0.4%HCl
K0608882-023			812	100	2.5% HNO3 / 0.4%HCl
K0608882-024			930	100	2.5% HNO3 / 0.4%HCl
K0608882-025			1000	100	2.5% HNO3 / 0.4%HCl
K0608882-026			921	100	2.5% HNO3 / 0.4%HCl
K0608882-027			968	100	2.5% HNO3 / 0.4%HCl
K0608882-028			920	100	2.5% HNO3 / 0.4%HCl
K0608882-029			1000	100	2.5% HNO3 / 0.4%HCl
K0608882-030			1000	100	2.5% HNO3 / 0.4%HCl

BS 10/19/06

NH2OH: 45047 **NaBH4:** 03826LD **FePd Prep #** RE1-3-L

Lot # Acids Used: HNO3 MS9-51-C **HCl** MS8-27-F

LCSW and Spikes: *2.0 mL of 200-8 Intermediate ICP-MS Stock (MS9-85-A) & Ag Intermediate ICP-MS Stock (*MS9-62-H)

Additional spikes:

Comments: All samples were spiked with 0.08mls of ^{61}Ni @ 50mg/L

Analyst Brian Sloth **Date** 10/19/06

Reviewer T **Date** 10/23/06

rptmdig.xls
3/21/2006

Element Analyzed As Hydride Instrument K-FLAA-2
Service Request #
K8882,K10381,IPR'S(Melissa)

Batch QC SR's #

Calibration Std. AA1-8-A
Starlims #

Analytical Batch
KA0523387

Hydride Data Review Form

		Yes	No	NA
1	ICV within 10% of true Value	X		
2.	Calibration data included	X		
3.	CCV's in control	X		
4.	CCB's and/or ICB's below MRL	X		
5.	All reported Results within Cal. Range	X		
6.	All Calculations are Correct	X		

Comments

Primary Reviewed by JDB Date 12/12/06

Secondary Reviewed by [illegible] Date 12/13/06

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7742 (7062) Other:_____ Element: (As) Se ____	**Service Request # :**

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
ICV	-	9.872	99%	
ICB	-	-0.064		
CRA	-	0.464	93%	
CCV	-	9.829	98%	
CCB	-	0.023		
PB	-	-0.059		
~~LCS~~ JB 12/12/06	~~-~~	~~15.760~~	~~126%~~	~~RERUN~~
~~DLCS~~	~~-~~	~~10.030~~	~~80%~~	~~RERUN~~
K10381-02	-	0.142		
PBW	1/2	0.014		
~~LCSW~~	~~1/2+1/200~~	~~4.613~~	~~74%~~	~~RERUN~~ JB 12/12/06
K8882-21	1/2	0.184		
K8882-22	1/2	0.083		
K8882-23	1/2	-0.073		
K8882-24	1/2	0.080		
CCV		9.789	98%	
CCB		-0.025		
K8882-25	1/2	0.010		
K8882-26	1/2	2.078		
K8882-27	1/2	0.250		
K8882-28	1/2	0.430		
K8882-29	1/2	0.468		
K8882-29D	1/2	0.421		
K8882-29S	1/2+1/100	4.963	99%	
K8882-30	1/2	0.207		
~~IPR-1 (Melissa)~~	~~1/2+1/200~~	~~5.217~~	~~83%~~	~~RERUN~~ JB 12/12/06
IPR-2	1/2+1/200	5.323	85%	
CCV	-	9.803	98%	
CCB	-	-0.411		
IPR-3	1/2+1/200	5.799	93%	

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	2500ppb (75-119%)	1000ppb (75-125%)	146.0mg/kg (116-176mg/kg)	1000ppb (60-130)
Selenium	2500ppb (75-119%)	1000ppb (60-127%)	73.0mg/kg (55.1-90.8mg/kg)	1000ppb (64-120)

Analyst	**Date:**	**Page Number:**
Joel D Bailey	12/12/06	1

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7742 7062 Other:_____ Element: As Se _____	**Service Request # :**

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
IPR-4	1/2+1/200	5.862	94%	
CCV	-	9.636	96%	
CCB	-	-0.016		
LCS	1/2	5.898	94%	
DLCS	1/2	5.786	92%	
LCSW (8882)	1/2+1/200	5.827	93%	
IPR-1 (MELISSA)	1/2+1/200	6.093	97%	
CCV	-	9.351	94%	
CCB	-	-0.024		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	2500ppb (75-119%)	1000ppb (75-125%)	146.0mg/kg (116-176mg/kg)	1000ppb (60-130)
Selenium	2500ppb (75-119%)	1000ppb (60-127%)	73.0mg/kg (55.1-90.8mg/kg)	1000ppb (64-120)

Analyst	**Date:**	**Page Number:**
[illegible]	12/12/00	2

R:\ICP\MISC\HG1631\1631 Run Log

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s) :
Star Lims Run No.:
Method : CLP 3010A 3020A 3005A 3050B CLP Hot Block Other- MSM
Analysis for : ICP ICP-MS GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PB					50	HCL
LCS					↓	↓
DLCS					↓	↓
Y10381-2	1.026		x		20	↓

JB 12/12/06

Time Digestion Started:__________
Lot # Acids Used: HNO3 __________ **HCl** __________ **H2O2** __________

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 **Other:**__________

GFAA LCSW = GFLCSW, MET1-52-W, 0.25 mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, ________ mls. added
QCP CICV-2, MET1-51-T, ________ mls. added
QCP CICV-3, MET1-51-U, ________ mls. added
SS6, MET1-52-Y, ________ mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C ________ mls. added

SPIKE INFO
SS1-MET1-52-Z, ______ mls added SS4-MET1-48-A, ______ mls added
SS5-MET1-52-X, ______ mls added 200.8 1000ppb Stock (MS9-85-A) ______ mls added
SS6-MET1-52-Y, ______ mls added Ag 1000ppb Stock (MS10-10-A) ______ mls added
Additional spikes:__________
Comments: __________

Analyst [signature] **Date** 12/12/06
Reviewer [signature] **Date** 12/13/06

metdig.xls

==========

Analysis Begun

Logged In Analyst: acqmet10 **Technique: AA FIAS-Flame**
Spectrometer Model: AAnalyst 200, S/N 200S5061701 **Autosampler Model: AS-90**

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061212-As.sif
Batch ID: 061212-As
Results Data Set: 061212-As
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results060614 ENV.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blk **Date Collected: 12/12/2006 5:14:37 PM**
Analyst: **Data Type: Original**

Replicate Data: Cal Blk

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	0.005	0.017	0.005			17:14:58	Yes
2		[0.00]	0.004	0.013	0.004			17:15:33	Yes
3		[0.00]	0.005	0.014	0.005			17:16:07	Yes
Mean:		[0.00]	0.005						
SD:		0.00	0.0005						
%RSD:		0.00	9.49						

Auto-zero performed.

==========

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: Std 0.5 **Date Collected: 12/12/2006 5:16:55 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 0.5

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.5]	0.011	0.035	0.016			17:17:17	Yes
2		[0.5]	0.010	0.035	0.015			17:17:51	Yes
3		[0.5]	0.010	0.046	0.015			17:18:26	Yes
Mean:		[0.5]	0.010						
SD:		0.0	0.0005						
%RSD:		0.0	4.51						

Standard number 1 applied. [0.5]
Correlation Coef.: 1.000000 Slope: 0.02043 Intercept: 0.00000

==========

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: Std 1.0 **Date Collected: 12/12/2006 5:19:15 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 1.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[1.0]	0.019	0.064	0.024			17:19:37	Yes
2		[1.0]	0.021	0.072	0.026			17:20:11	Yes
3		[1.0]	0.020	0.068	0.025			17:20:46	Yes
Mean:		[1.0]	0.020						
SD:		0.0	0.0006						
%RSD:		0.0	3.14						

Standard number 2 applied. [1.0]
Correlation Coef.: 0.999895 Slope: 0.02024 Intercept: 0.00000

==========

Sequence No.: 4 **Autosampler Location: 4**

Sample ID: Std 5.0 **Date Collected: 12/12/2006 5:21:35 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 5.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[5.0]	0.104	0.297	0.109			17:21:58	Yes
2		[5.0]	0.109	0.315	0.114			17:22:32	Yes
3		[5.0]	0.108	0.313	0.113			17:23:07	Yes
Mean:		[5.0]	0.107						
SD:		0.0	0.0025						
%RSD:		0.0	2.31						

Standard number 3 applied. [5.0]
Correlation Coef.: 0.999858 Slope: 0.02134 Intercept: 0.00000

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: Std 10.0 **Date Collected: 12/12/2006 5:23:57 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 10.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10.0]	0.207	0.587	0.212			17:24:20	Yes
2		[10.0]	0.203	0.584	0.208			17:24:54	Yes
3		[10.0]	0.209	0.593	0.214			17:25:29	Yes
Mean:		[10.0]	0.206						
SD:		0.0	0.0032						
%RSD:		0.0	1.56						

Standard number 4 applied. [10.0]
Correlation Coef.: 0.999764 Slope: 0.02078 Intercept: 0.00000

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: Std 15.0 **Date Collected: 12/12/2006 5:26:21 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 15.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[15.0]	0.310	0.886	0.315			17:26:44	Yes
2		[15.0]	0.314	0.886	0.319			17:27:18	Yes
3		[15.0]	0.317	0.889	0.322			17:27:53	Yes
Mean:		[15.0]	0.314						
SD:		0.0	0.0037						
%RSD:		0.0	1.18						

Standard number 5 applied. [15.0]
Correlation Coef.: 0.999901 Slope: 0.02086 Intercept: 0.00000

Calibration data for As 193.70 **Equation: Linear Through Zero**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Cal Blk	0.0000	0	0.0000	0.00	9.5
Std 0.5	0.0102	0.5	0.4897	0.00	4.5
Std 1.0	0.0202	1.0	0.9682	0.00	3.1
Std 5.0	0.1069	5.0	5.1270	0.00	2.3
Std 10.0	0.2063	10.0	9.8909	0.00	1.6
Std 15.0	0.3135	15.0	15.0309	0.00	1.2

Correlation Coef.: 0.999901 Slope: 0.02086 Intercept: 0.00000

Sequence No.: 7
Sample ID: ICV
Analyst:

Autosampler Location: 7
Date Collected: 12/12/2006 5:28:45 PM
Data Type: Original

Replicate Data: ICV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1379	-0.1379	-0.003	0.001	0.002			17:29:09	Yes
2	-0.0914	-0.0914	-0.002	0.013	0.003			17:29:43	Yes
3	-0.1603	-0.1603	-0.003	-0.013	0.002			17:30:17	Yes
Mean:	-0.1299	-0.1299	-0.003						
SD:	0.0351	0.0351	0.0007						
%RSD:	27.04	27.04	27.04						

QC value less than the lower limit for As 193.70 Recovery = -1.30%
QC Failed. Stop the analysis.
User canceled analysis.

No tube JB 12/12/06

Analysis Begun

Logged In Analyst: acqmet10
Spectrometer Model: AAnalyst 200, S/N 200S5061701

Technique: AA FIAS-Flame
Autosampler Model: AS-90

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061212-As.sif
Batch ID: 061212-As
Results Data Set: 061212-As
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results060614 ENV.mdb

Sequence No.: 7
Sample ID: ICV
Analyst:

Autosampler Location: 7
Date Collected: 12/12/2006 5:32:55 PM
Data Type: Original

Replicate Data: ICV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	9.915	9.915	0.207	0.602	0.212			17:33:19	Yes
2	9.679	9.679	0.202	0.600	0.207			17:33:53	Yes
3	10.02	10.02	0.209	0.593	0.214			17:34:27	Yes
Mean:	9.872	9.872	0.206						
SD:	0.1764	0.1764	0.0037						
%RSD:	1.787	1.787	1.79						

QC value within limits for As 193.70 Recovery = 98.72%
All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB
Analyst:

Autosampler Location: 1
Date Collected: 12/12/2006 5:35:18 PM
Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.0185	-0.0185	-0.000	0.023	0.005			17:35:39	Yes
2	-0.0766	-0.0766	-0.002	0.012	0.003			17:36:14	Yes
3	-0.0958	-0.0958	-0.002	-0.013	0.003			17:36:48	Yes
Mean:	-0.0636	-0.0636	-0.001						
SD:	0.0402	0.0402	0.0008						
%RSD:	63.20	63.20	63.20						

QC value within limits for As 193.70 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 9

Autosampler Location: 2

Sample ID: CRA **Date Collected: 12/12/2006 5:37:38 PM**
Analyst: **Data Type: Original**

Replicate Data: CRA

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.4749	0.4749	0.010	0.056	0.015			17:37:59	Yes
2	0.4673	0.4673	0.010	0.049	0.015			17:38:33	Yes
3	0.4486	0.4486	0.009	0.040	0.014			17:39:08	Yes
Mean:	0.4636	0.4636	0.010						
SD:	0.0136	0.0136	0.0003						
%RSD:	2.923	2.923	2.92						

QC value within limits for As 193.70 Recovery = 92.72%
All analyte(s) passed QC.

Sequence No.: 10 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/12/2006 5:39:57 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	9.953	9.953	0.208	0.588	0.212			17:40:20	Yes
2	9.524	9.524	0.199	0.571	0.204			17:40:54	Yes
3	10.01	10.01	0.209	0.597	0.214			17:41:28	Yes
Mean:	9.829	9.829	0.205						
SD:	0.2660	0.2660	0.0055						
%RSD:	2.707	2.707	2.71						

QC value within limits for As 193.70 Recovery = 98.29%
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/12/2006 5:42:19 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.0373	0.0373	0.001	0.042	0.006			17:42:40	Yes
2	0.0276	0.0276	0.001	0.018	0.005			17:43:14	Yes
3	0.0046	0.0046	0.000	0.020	0.005			17:43:49	Yes
Mean:	0.0232	0.0232	0.000						
SD:	0.0168	0.0168	0.0004						
%RSD:	72.62	72.62	72.62						

QC value within limits for As 193.70 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 9**
Sample ID: PB **Date Collected: 12/12/2006 5:44:38 PM**
Analyst: **Data Type: Original**

Replicate Data: PB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1192	-0.1192	-0.002	-0.012	0.002			17:44:58	Yes
2	-0.0549	-0.0549	-0.001	0.006	0.004			17:45:33	Yes
3	-0.0035	-0.0035	-0.000	0.045	0.005			17:46:07	Yes
Mean:	-0.0592	-0.0592	-0.001						
SD:	0.0580	0.0580	0.0012						
%RSD:	97.97	97.97	97.97						

Sequence No.: 13
Sample ID: LCS
Analyst:

Autosampler Location: 10
Date Collected: 12/12/2006 5:47:00 PM
Data Type: Original

Replicate Data: LCS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	15.62	15.62	0.326	1.065	0.331			17:47:21	Yes
2	15.82	15.82	0.330	1.080	0.335			17:47:56	Yes
3	15.86	15.86	0.331	1.059	0.336			17:48:30	Yes
Mean:	15.76	15.76	0.329						
SD:	0.1248	0.1248	0.0026						
%RSD:	0.7915	0.7915	0.79						

JB 12/12/06

Sequence No.: 14
Sample ID: DLCS
Analyst:

Autosampler Location: 11
Date Collected: 12/12/2006 5:49:19 PM
Data Type: Original

Replicate Data: DLCS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.09	10.09	0.210	0.557	0.215			17:49:41	Yes
2	9.957	9.957	0.208	0.562	0.213			17:50:15	Yes
3	10.05	10.05	0.210	0.569	0.215			17:50:49	Yes
Mean:	10.03	10.03	0.209						
SD:	0.0691	0.0691	0.0014						
%RSD:	0.6887	0.6887	0.69						

Sequence No.: 15
Sample ID: K10381-02
Analyst:

Autosampler Location: 12
Date Collected: 12/12/2006 5:51:39 PM
Data Type: Original

Replicate Data: K10381-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.1658	0.1658	0.003	0.028	0.008			17:52:01	Yes
2	0.0367	0.0367	0.001	0.012	0.006			17:52:36	Yes
3	0.2245	0.2245	0.005	0.034	0.010			17:53:11	Yes
Mean:	0.1423	0.1423	0.003						
SD:	0.0961	0.0961	0.0020						
%RSD:	67.51	67.51	67.51						

Sequence No.: 16
Sample ID: PBW
Analyst:

Autosampler Location: 13
Date Collected: 12/12/2006 5:54:01 PM
Data Type: Original

Replicate Data: PBW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.0543	-0.0543	-0.001	-0.003	0.004			17:54:24	Yes
2	0.0484	0.0484	0.001	0.050	0.006			17:54:58	Yes
3	0.0484	0.0484	0.001	0.033	0.006			17:55:32	Yes
Mean:	0.0142	0.0142	0.000						
SD:	0.0593	0.0593	0.0012						
%RSD:	418.3	418.3	418.26						

Sequence No.: 17

Autosampler Location: 14

Sample ID: LCSW
Analyst:
Date Collected: 12/12/2006 5:56:24 PM
Data Type: Original

Replicate Data: LCSW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.622	4.622	0.096	0.270	0.101			17:56:47	Yes
2	4.651	4.651	0.097	0.269	0.102			17:57:21	Yes
3	4.565	4.565	0.095	0.248	0.100			17:57:55	Yes
Mean:	4.613	4.613	0.096						
SD:	0.0436	0.0436	0.0009						
%RSD:	0.9461	0.9461	0.95						

JTB 12/12/06

Sequence No.: 18
Sample ID: K8882-21
Analyst:
Autosampler Location: 15
Date Collected: 12/12/2006 5:58:48 PM
Data Type: Original

Replicate Data: K8882-21

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.2051	0.2051	0.004	0.027	0.009			17:59:11	Yes
2	0.1646	0.1646	0.003	0.031	0.008			17:59:46	Yes
3	0.1819	0.1819	0.004	0.020	0.009			18:00:20	Yes
Mean:	0.1839	0.1839	0.004						
SD:	0.0203	0.0203	0.0004						
%RSD:	11.04	11.04	11.04						

Sequence No.: 19
Sample ID: K8882-22
Analyst:
Autosampler Location: 16
Date Collected: 12/12/2006 6:01:12 PM
Data Type: Original

Replicate Data: K8882-22

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.1116	0.1116	0.002	0.019	0.007			18:01:36	Yes
2	-0.0149	-0.0149	-0.000	-0.014	0.005			18:02:11	Yes
3	0.1519	0.1519	0.003	0.021	0.008			18:02:45	Yes
Mean:	0.0829	0.0829	0.002						
SD:	0.0871	0.0871	0.0018						
%RSD:	105.1	105.1	105.05						

Sequence No.: 20
Sample ID: K8882-23
Analyst:
Autosampler Location: 17
Date Collected: 12/12/2006 6:03:38 PM
Data Type: Original

Replicate Data: K8882-23

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1182	-0.1182	-0.002	-0.010	0.002			18:03:59	Yes
2	-0.0222	-0.0222	-0.000	0.015	0.004			18:04:33	Yes
3	-0.0789	-0.0789	-0.002	0.010	0.003			18:05:07	Yes
Mean:	-0.0731	-0.0731	-0.002						
SD:	0.0483	0.0483	0.0010						
%RSD:	66.01	66.01	66.01						

Sequence No.: 21
Sample ID: K8882-24
Analyst:
Autosampler Location: 18
Date Collected: 12/12/2006 6:05:56 PM
Data Type: Original

Replicate Data: K8882-24

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.1049	0.1049	0.002	0.044	0.007			18:06:16	Yes
2	0.0830	0.0830	0.002	0.019	0.007			18:06:51	Yes
3	0.0531	0.0531	0.001	0.029	0.006			18:07:25	Yes
Mean:	0.0803	0.0803	0.002						
SD:	0.0260	0.0260	0.0005						
%RSD:	32.41	32.41	32.41						

Sequence No.: 22 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/12/2006 6:08:14 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	9.525	9.525	0.199	0.575	0.204			18:08:37	Yes
2	9.545	9.545	0.199	0.590	0.204			18:09:11	Yes
3	10.30	10.30	0.215	0.845	0.220			18:09:45	Yes
Mean:	9.789	9.789	0.204						
SD:	0.4405	0.4405	0.0092						
%RSD:	4.500	4.500	4.50						

QC value within limits for As 193.70 Recovery = 97.89%
All analyte(s) passed QC.

Sequence No.: 23 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/12/2006 6:10:37 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.0508	-0.0508	-0.001	0.005	0.004			18:10:58	Yes
2	-0.0027	-0.0027	-0.000	0.003	0.005			18:11:32	Yes
3	-0.0221	-0.0221	-0.000	0.010	0.004			18:12:06	Yes
Mean:	-0.0252	-0.0252	-0.001						
SD:	0.0242	0.0242	0.0005						
%RSD:	96.14	96.14	96.14						

QC value within limits for As 193.70 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 24 **Autosampler Location: 19**
Sample ID: K8882-25 **Date Collected: 12/12/2006 6:12:55 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-25

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.0092	-0.0092	-0.000	0.014	0.005			18:13:16	Yes
2	0.0348	0.0348	0.001	0.038	0.006			18:13:51	Yes
3	0.0051	0.0051	0.000	0.012	0.005			18:14:25	Yes
Mean:	0.0102	0.0102	0.000						
SD:	0.0224	0.0224	0.0005						
%RSD:	219.2	219.2	219.20						

Sequence No.: 25 **Autosampler Location: 20**
Sample ID: K8882-26 **Date Collected: 12/12/2006 6:15:14 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-26

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	2.164	2.164	0.045	0.149	0.050			18:15:35	Yes
2	2.056	2.056	0.043	0.125	0.048			18:16:10	Yes
3	2.013	2.013	0.042	0.102	0.047			18:16:43	Yes
Mean:	2.078	2.078	0.043						
SD:	0.0778	0.0778	0.0016						
%RSD:	3.745	3.745	3.75						

Sequence No.: 26
Sample ID: K8882-27
Analyst:
Autosampler Location: 21
Date Collected: 12/12/2006 6:17:33 PM
Data Type: Original

Replicate Data: K8882-27

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.2390	0.2390	0.005	0.015	0.010			18:17:55	Yes
2	0.1985	0.1985	0.004	0.018	0.009			18:18:29	Yes
3	0.3128	0.3128	0.007	0.054	0.011			18:19:03	Yes
Mean:	0.2501	0.2501	0.005						
SD:	0.0579	0.0579	0.0012						
%RSD:	23.17	23.17	23.17						

Sequence No.: 27
Sample ID: K8882-28
Analyst:
Autosampler Location: 22
Date Collected: 12/12/2006 6:19:53 PM
Data Type: Original

Replicate Data: K8882-28

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.3988	0.3988	0.008	0.021	0.013			18:20:14	Yes
2	0.3966	0.3966	0.008	0.038	0.013			18:20:49	Yes
3	0.4935	0.4935	0.010	0.049	0.015			18:21:23	Yes
Mean:	0.4296	0.4296	0.009						
SD:	0.0553	0.0553	0.0012						
%RSD:	12.88	12.88	12.88						

Sequence No.: 28
Sample ID: K8882-29
Analyst:
Autosampler Location: 23
Date Collected: 12/12/2006 6:22:13 PM
Data Type: Original

Replicate Data: K8882-29

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.4228	0.4228	0.009	0.021	0.014			18:22:35	Yes
2	0.4819	0.4819	0.010	0.037	0.015			18:23:09	Yes
3	0.5002	0.5002	0.010	0.015	0.015			18:23:44	Yes
Mean:	0.4683	0.4683	0.010						
SD:	0.0404	0.0404	0.0008						
%RSD:	8.637	8.637	8.64						

Sequence No.: 29
Sample ID: K8882-29D
Analyst:
Autosampler Location: 24
Date Collected: 12/12/2006 6:24:36 PM
Data Type: Original

Replicate Data: K8882-29D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.3024	0.3024	0.006	-0.040	0.011			18:24:59	Yes
2	0.4510	0.4510	0.009	0.033	0.014			18:25:33	Yes
3	0.5085	0.5085	0.011	0.036	0.015			18:26:08	Yes
Mean:	0.4206	0.4206	0.009						
SD:	0.1063	0.1063	0.0022						
%RSD:	25.28	25.28	25.28						

==========

Sequence No.: 30 **Autosampler Location: 25**
Sample ID: K8882-29S **Date Collected: 12/12/2006 6:27:01 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-29S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.951	4.951	0.103	0.295	0.108			18:27:24	Yes
2	4.978	4.978	0.104	0.298	0.109			18:27:58	Yes
3	4.961	4.961	0.103	0.296	0.108			18:28:32	Yes
Mean:	4.963	4.963	0.104						
SD:	0.0135	0.0135	0.0003						
%RSD:	0.2721	0.2721	0.27						

==========

Sequence No.: 31 **Autosampler Location: 26**
Sample ID: K8882-30 **Date Collected: 12/12/2006 6:29:24 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-30

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.1783	0.1783	0.004	0.022	0.009			18:29:46	Yes
2	0.2449	0.2449	0.005	0.056	0.010			18:30:21	Yes
3	0.1963	0.1963	0.004	0.024	0.009			18:30:54	Yes
Mean:	0.2065	0.2065	0.004						
SD:	0.0344	0.0344	0.0007						
%RSD:	16.68	16.68	16.68						

==========

Sequence No.: 32 **Autosampler Location: 27**
Sample ID: IPR-1 (Melissa) **Date Collected: 12/12/2006 6:31:46 PM**
Analyst: **Data Type: Original**

JB 12/12/06

Replicate Data: IPR-1 (Melissa)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.239	5.239	0.109	0.269	0.114			18:32:09	Yes
2	5.202	5.202	0.109	0.308	0.113			18:32:43	Yes
3	5.210	5.210	0.109	0.294	0.114			18:33:17	Yes
Mean:	5.217	5.217	0.109						
SD:	0.0194	0.0194	0.0004						
%RSD:	0.3718	0.3718	0.37						

==========

Sequence No.: 33 **Autosampler Location: 28**
Sample ID: IPR-2 **Date Collected: 12/12/2006 6:34:09 PM**
Analyst: **Data Type: Original**

Replicate Data: IPR-2

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.295	5.295	0.110	0.308	0.115			18:34:32	Yes

2	5.325	5.325	0.111	0.328	0.116		18:35:06	Yes
3	5.349	5.349	0.112	0.324	0.116		18:35:40	Yes
Mean:	5.323	5.323	0.111					
SD:	0.0271	0.0271	0.0006					
%RSD:	0.5085	0.5085	0.51					

Sequence No.: 34 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/12/2006 6:36:31 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	9.489	9.489	0.198	0.597	0.203			18:36:54	Yes
2	9.614	9.614	0.201	0.574	0.205			18:37:29	Yes
3	10.31	10.31	0.215	0.590	0.220			18:38:03	Yes
Mean:	9.803	9.803	0.204						
SD:	0.4400	0.4400	0.0092						
%RSD:	4.489	4.489	4.49						

QC value within limits for As 193.70 Recovery = 98.03%
All analyte(s) passed QC.

Sequence No.: 35 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/12/2006 6:38:55 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.1184	-0.1184	-0.002	-0.008	0.002			18:39:16	Yes
2	-0.8794	-0.8794	-0.018	-0.816	-0.013			18:39:50	Yes
Changing BOC									
3	-0.2339	-0.2339	-0.005	-0.319	0.000			18:40:24	Yes
Mean:	-0.4105	-0.4105	-0.009						
SD:	0.4101	0.4101	0.0086						
%RSD:	99.90	99.90	99.90						

Changing BOC
QC value within limits for As 193.70 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 36 **Autosampler Location: 29**
Sample ID: IPR-3 **Date Collected: 12/12/2006 6:41:15 PM**
Analyst: **Data Type: Original**

Replicate Data: IPR-3

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.710	5.710	0.119	0.310	0.124			18:41:38	Yes
2	5.761	5.761	0.120	0.299	0.125			18:42:13	Yes
3	5.924	5.924	0.124	0.360	0.128			18:42:47	Yes
Mean:	5.799	5.799	0.121						
SD:	0.1117	0.1117	0.0023						
%RSD:	1.927	1.927	1.93						

Sequence No.: 37 **Autosampler Location: 30**
Sample ID: IPR-4 **Date Collected: 12/12/2006 6:43:38 PM**
Analyst: **Data Type: Original**

Replicate Data: IPR-4

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	6.029	6.029	0.126	0.365	0.131			18:44:02	Yes
2	5.731	5.731	0.120	0.278	0.124			18:44:36	Yes
3	5.825	5.825	0.121	0.334	0.126			18:45:11	Yes
Mean:	5.862	5.862	0.122						
SD:	0.1524	0.1524	0.0032						
%RSD:	2.601	2.601	2.60						

==========

Sequence No.: 38 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 12/12/2006 6:46:03 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	9.302	9.302	0.194	0.547	0.199			18:46:26	Yes
2	10.25	10.25	0.214	0.613	0.219			18:47:00	Yes
3	9.355	9.355	0.195	0.547	0.200			18:47:34	Yes
Mean:	9.636	9.636	0.201						
SD:	0.5337	0.5337	0.0111						
%RSD:	5.539	5.539	5.54						

QC value within limits for As 193.70 Recovery = 96.36%
All analyte(s) passed QC.

==========

Sequence No.: 39 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 12/12/2006 6:48:26 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.0014	-0.0014	-0.000	-0.005	0.005			18:48:46	Yes
2	-0.0534	-0.0534	-0.001	0.016	0.004			18:49:21	Yes
3	0.0062	0.0062	0.000	0.036	0.005			18:49:55	Yes
Mean:	-0.0162	-0.0162	-0.000						
SD:	0.0324	0.0324	0.0007						
%RSD:	200.4	200.4	200.38						

QC value within limits for As 193.70 Recovery = Not calculated
All analyte(s) passed QC.

==========

Analysis Begun

Logged In Analyst: acqmet10 **Technique: AA FIAS-Flame**
Spectrometer Model: AAnalyst 200, S/N 200S5061701 **Autosampler Model: AS-90**

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061212-As.sif
Batch ID: 061212-As
Results Data Set: 061212-As
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results060614 ENV.mdb

==========

Sequence No.: 40 **Autosampler Location:**
Sample ID: LCS **Date Collected: 12/12/2006 6:51:49 PM**
Analyst: **Data Type: Original**

Replicate Data: LCS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.919	5.919	0.123	0.362	0.128			18:52:05	Yes
2	5.778	5.778	0.121	0.336	0.125			18:52:39	Yes

3	5.998	5.998	0.125	0.347	0.130		18:53:14	Yes
Mean:	5.898	5.898	0.123					
SD:	0.1118	0.1118	0.0023					
%RSD:	1.895	1.895	1.89					

==========

Sequence No.: 41 **Autosampler Location:**
Sample ID: DLCS **Date Collected: 12/12/2006 6:54:30 PM**
Analyst: **Data Type: Original**

Replicate Data: DLCS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.612	5.612	0.117	0.354	0.122			18:54:46	Yes
2	5.900	5.900	0.123	0.349	0.128			18:55:21	Yes
3	5.846	5.846	0.122	0.341	0.127			18:55:55	Yes
Mean:	5.786	5.786	0.121						
SD:	0.1528	0.1528	0.0032						
%RSD:	2.640	2.640	2.64						

==========

Sequence No.: 42 **Autosampler Location:**
Sample ID: LCSW (8882) **Date Collected: 12/12/2006 6:56:57 PM**
Analyst: **Data Type: Original**

Replicate Data: LCSW (8882)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.860	5.860	0.122	0.321	0.127			18:57:13	Yes
2	5.735	5.735	0.120	0.348	0.125			18:57:47	Yes
3	5.887	5.887	0.123	0.343	0.128			18:58:22	Yes
Mean:	5.827	5.827	0.122						
SD:	0.0807	0.0807	0.0017						
%RSD:	1.385	1.385	1.38						

==========

Sequence No.: 43 **Autosampler Location:**
Sample ID: IPR-1 (MELISSA) **Date Collected: 12/12/2006 6:59:09 PM**
Analyst: **Data Type: Original**

Replicate Data: IPR-1 (MELISSA)

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.931	5.931	0.124	0.351	0.129			18:59:25	Yes
2	5.914	5.914	0.123	0.345	0.128			18:59:59	Yes
3	6.433	6.433	0.134	0.383	0.139			19:00:33	Yes
Mean:	6.093	6.093	0.127						
SD:	0.2949	0.2949	0.0062						
%RSD:	4.840	4.840	4.84						

==========

Sequence No.: 44 **Autosampler Location:**
Sample ID: CCV **Date Collected: 12/12/2006 7:02:02 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	9.440	9.440	0.197	0.569	0.202			19:02:19	Yes
2	9.429	9.429	0.197	0.590	0.202			19:02:53	Yes
3	9.185	9.185	0.192	0.556	0.196			19:03:27	Yes
Mean:	9.351	9.351	0.195						
SD:	0.1439	0.1439	0.0030						

%RSD: 1.538 1.538 1.54

==========

Sequence No.: 45
Sample ID: CCB
Analyst:

Autosampler Location:
Date Collected: 12/12/2006 7:04:31 PM
Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.0176	-0.0176	-0.000	0.005	0.005			19:04:47	Yes
2	-0.0526	-0.0526	-0.001	0.004	0.004			19:05:21	Yes
3	-0.0015	-0.0015	-0.000	0.010	0.005			19:05:55	Yes
Mean:	-0.0239	-0.0239	-0.000						
SD:	0.0262	0.0262	0.0005						
%RSD:	109.6	109.6	109.57						

Element Analyzed Cu Instrument K-GFAA-07
Service Request # K8882

Batch QC SR's #

Calibration Std. GFI-69-ZY
Starlims # (RW 12-12-06)
Modifier # HNO_3 : GFI-56-0
Analysis Lot #

Analytical Batch
KA0626520

GFAA Data Review Form

	Yes	No	NA
1 ICV within 10% of true Value	✓		
2. Calibration data included	✓		
3. CCV's in control	✓		
4. CCB's and/or ICB's below MRL	✓		
5. All reported Results within Cal. Range	✓		
6. All Calculations are Correct			

Comments

Rerun: K8882-29S

Primary Reviewed by RW Date 12-12-06

Secondary Reviewed by [illegible] Date 12/13/06

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7060A 7421 7740 7841 200.9 Other:_____ Element: As Pb Se Tl Cu	**Service Request # :** K8882

SAMPLE NUMBER	Measured (ug/l)	Dilution factor	Recoveries (ICV, CCV, CRA, LCS Post-Spk., Matrix Spk.)	Comments
~ICV	25.7627		103%	
~ICB	0.2902			
~CRDL	1.4518		145%	
~CCV	20.147		101%	
~CCB	0.0233			
CRA	1.0852			
PBW K8882	0.1917	-		
LCSW 1/50	12.4356	1/50	100%	
K8882-21 1/50	11.9211	1/50		
K8882-21A	32.1789	1/50	101%	
~~K8882-22~~	~~0.3003~~	1/50		see rerun
~~K8882-22A~~	~~19.3535~~	1/50		see rerun
~~K8882-23~~	~~0.3537~~	1/50		see rerun
~~K8882-24~~	~~0.011~~	1/50		see rerun
~CCV	20.0165		100%	
~CCB	-0.0699			
~~K8882-25~~	~~-0.2563~~	1/50		see rerun
~~K8882-26~~	~~-0.4159~~	1/50		see rerun
~~K8882-27~~	~~-0.3848~~	1/50		see rerun
~~K8882-28~~	~~-0.5393~~	1/50		see rerun
~~K8882-28~~	~~-0.2372~~	1/50		see rerun
~~K8882-29~~	~~-0.4775~~	1/50		see rerun
~~K8882-29D~~	~~-0.6089~~	1/50		see rerun
~~K8882-29S~~	~~4.246~~	1/50	85%	see rerun
~~K8882-30~~	~~-0.0663~~	1/50		see rerun
K8882-22 1/5	1.0909	1/5		
~CCV	19.6354		98%	
~CCB	0.3725			
K8882-23	2.7927	1/5		
K8882-24	2.7718	1/5		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	25.0ppb (76-115%)	40.0ppb (62-116%)	146mg/kg (112-180mg/kg)	80ppb (41-133%)
Lead	25.0ppb (77-114%)	40.0ppb (61-133%)	67.5mg/kg (53.1-81.9mg/kg)	80ppb (41-139%)
Selenium	25.0ppb (76-113%)	40.0ppb (37-119%)	70.5mg/kg (53.3-87.7mg/kg)	80ppb (36-134%)
Thallium	25.0ppb (83-114%)	40.0ppb (34-132%)	82.1mg/kg (62.6-102mg/kg)	80ppb (38-134%)

Analyst	**Date:**	**Page Number:**
[signature]	12-12-06	1

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R:\ICP\WIP\DATA\K-GFAA-07 (Varian-7)\Run Logs\KA0626520Cu LOG

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7060A 7421 7740 7841 200.9 Other:_____ Element: As Pb Se Tl Cu	**Service Request # :** K8882

SAMPLE NUMBER	Measured (ug/l)	Dilution factor	Recoveries (ICV, CCV, CRA, LCS Post-Spk., Matrix Spk.)	Comments
~~K8882-25~~	0.1728	1/5		
K8882-26	1.5842	1/5		
K8882-27	0.3001	1/5		
K8882-28	0.4803	1/5		
K8882-29	-0.3194	1/5		
K8882-29D	-0.5303	1/5		
~~K8882-29S~~	~~10.1192~~	1/5	20%	rerun
K8882-30	0.3343	1/5		
~CCV	18.43		92%	
~CCB	0.4875			
~CCV	18.367			
				12/18/06

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	25.0ppb (76-115%)	40.0ppb (62-116%)	146mg/kg (112-180mg/kg)	80ppb (41-133%)
Lead	25.0ppb (77-114%)	40.0ppb (61-133%)	67.5mg/kg (53.1-81.9mg/kg)	80ppb (41-139%)
Selenium	25.0ppb (76-113%)	40.0ppb (37-119%)	70.5mg/kg (53.3-87.7mg/kg)	80ppb (36-134%)
Thallium	25.0ppb (83-114%)	40.0ppb (34-132%)	82.1mg/kg (62.6-102mg/kg)	80ppb (38-134%)

Analyst	**Date:**	**Page Number:**
Robert Nabors	12-12-06	2

Analyst rnorris
Date Started 8:17 AM 12/11/2006
Worksheet Cu 12-11-06
Comment K-GFAA-07
Methods Cu

Varian 7
Columbia Analytical Services
1317 S. 13th
Kelso, Wa 98632

Method: Cu (Zeeman)

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
CAL ZERO	0.00	17.7	0.0101	0.0085	0.0113	0.0088	/11/2006	5:48 AM
STANDARD 1	1.00	9.7	0.0084	0.0208	0.0089	0.0078	/11/2006	9:26 AM
STANDARD 2	5.00	0.9	0.0581	0.0375	0.0585	0.0578	/11/2006	3:04 AM
STANDARD 3	10.00	0.5	0.1233	0.0645	0.1228	0.1237	/11/2006	6:40 AM
STANDARD 4	20.00	0.5	0.2490	0.1276	0.2481	0.2499	/11/2006	0:16 AM
	QC Test: Correlation coefficient 0.9998 within 0.9950 limit							
STANDARD 5	30.00	0.3	0.3729	0.1795	0.3720	0.3737	/11/2006	3:46 AM
	Curve Fit		= Linear Origin					
	Characteristic Conc		= 0.71 µg/L					
	r		= 0.9998					
	Calculated Conc		= 0.81 0.67 4.69 9.93 20.06					
	Residuals		= -0.81 0.33 0.31 0.07 -0.06					
	QC Test: ICV recovery 103.0%R - within limits							
~ICV	25.76	0.3	0.3197	0.1556	0.3190	0.3204	/11/2006	7:16 AM
	QC Test: ICB Concentration 0.29 less than limit							
~ICB	0.29	76.8	0.0036	0.0113	0.0056	0.0016	/11/2006	0:44 AM
	QC Test: CRDL recovery 145.2%R - within limits							
~CRDL	1.45	13.6	0.0180	0.0217	0.0198	0.0163	/11/2006	4:12 AM
	QC Test: CCV recovery 100.8%R - within limits							
~CCV	20.15	0.3	0.2500	0.1242	0.2495	0.2506	/11/2006	7:40 AM
	QC Test: CCB Concentration 0.02 less than limit							
~CCB	0.02	>100	0.0003	0.0162	0.0020	-0.0014	/11/2006	1:10 AM
CRA	1.09	2.7	0.0135	0.0136	0.0137	0.0132	/11/2006	4:36 AM
PBW K8882	0.19	43.7	0.0024	0.0094	0.0031	0.0016	/11/2006	8:04 AM
LCSW 1/50	12.44	1.5	0.1543	0.0865	0.1527	0.1559	/11/2006	1:34 AM
K8882-21 1/50	11.92	0.8	0.1479	0.0789	0.1488	0.1471	/11/2006	5:02 AM
	DF = 2.00							
K8882-21A	32.18	1.1	0.1997	0.1087	0.1982	0.2012	/11/2006	0:40 AM
K8882-22	0.30	77.4	0.0037	0.0172	0.0058	0.0017	/11/2006	4:06 AM
K8882-22A	19.35	0.4	0.2402	0.1265	0.2408	0.2396	/11/2006	7:34 AM
K8882-23	0.35	53.6	0.0044	0.0085	0.0061	0.0027	/11/2006	1:02 AM
K8882-24	0.01	>100	0.0001	0.0066	0.0010	-0.0007	/11/2006	4:28 AM
	QC Test: CCV recovery 100.1%R - within limits							
~CCV	20.02	1.1	0.2484	0.1239	0.2465	0.2503	/11/2006	7:56 AM
	QC Test: CCB Concentration -0.07 less than limit							
~CCB	-0.07	>100	-0.0009	0.0022	0.0005	-0.0022	/11/2006	1:24 AM
K8882-25	-0.26	26.2	-0.0032	0.0145	-0.0026	-0.0038	/11/2006	4:50 AM
K8882-26	-0.42	3.3	-0.0052	0.0104	-0.0050	-0.0053	/11/2006	8:16 AM
K8882-27	-0.38	16.3	-0.0048	0.0095	-0.0053	-0.0042	/11/2006	1:42 AM
K8882-28	-0.54	4.1	-0.0067	0.0239	-0.0065	-0.0069	/11/2006	5:06 AM
K8882-28	-0.24	17.1	-0.0029	0.0171	-0.0026	-0.0033	/11/2006	8:32 AM
K8882-29	-0.48	1.9	-0.0059	0.0447	-0.0060	-0.0058	/11/2006	1:58 AM
K8882-29D	-0.61	15.4	-0.0076	0.0388	-0.0067	-0.0084	/11/2006	5:24 AM
K8882-29S	4.25	0.2	0.0527	0.0639	0.0528	0.0526	/11/2006	8:50 AM
K8882-30	-0.07	35.4	-0.0008	0.0253	-0.0006	-0.0010	/11/2006	2:16 AM

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
K8882-22 1/5	1.09	5.1	0.0135	0.1040	0.0140	0.0131	/11/2006	5:42 AM
	QC Test: CCV recovery 98.2%R - within limits							
~CCV	19.64	0.8	0.2437	0.1265	0.2424	0.2450	/11/2006	9:10 AM
	QC Test: CCB Concentration 0.37 less than limit							
~CCB	0.37	28.5	0.0046	0.0150	0.0056	0.0037	/11/2006	02:38 PM
K8882-23	2.79	1.3	0.0347	0.0276	0.0350	0.0343	/11/2006	06:04 PM
K8882-24	2.77	3.5	0.0344	0.0274	0.0335	0.0353	/11/2006	09:30 PM
K8882-25	0.17	63.8	0.0021	0.0100	0.0031	0.0012	/11/2006	12:58 PM
K8882-26	1.58	3.2	0.0197	0.0428	0.0201	0.0192	/11/2006	16:26 PM
K8882-27	0.30	4.1	0.0037	0.1560	0.0036	0.0038	/11/2006	19:54 PM
K8882-28	0.48	10.3	0.0060	0.1041	0.0064	0.0055	/11/2006	23:22 PM
K8882-29	-0.32	8.0	-0.0040	0.2991	-0.0037	-0.0042	/11/2006	26:50 PM
K8882-29D	-0.53	7.4	-0.0066	0.3068	-0.0062	-0.0069	/11/2006	30:22 PM
K8882-29S	10.12	2.3	0.1256	0.1522	0.1277	0.1235	/11/2006	33:50 PM
K8882-30	0.33	12.2	0.0041	0.1764	0.0045	0.0038	/11/2006	37:18 PM
	QC Test: CCV recovery 92.2%R - within limits							
~CCV	18.43	0.8	0.2287	0.1173	0.2275	0.2300	/11/2006	40:46 PM
	QC Test: CCB Concentration 0.49 less than limit							
~CCB	0.49	62.8	0.0061	0.0107	0.0087	0.0034	/11/2006	44:16 PM
	QC Test: CCV recovery 91.8%R - within limits							
~CCV	18.37	1.1	0.2279	0.1195	0.2262	0.2297	/11/2006	19:36 PM
CAL ZERO	0.00	19.8	0.0119	0.0209	0.0136	0.0103	/11/2006	26:36 PM
STANDARD 1	1.00	21.6	0.0076	0.0178	0.0087	0.0064	/11/2006	30:16 PM
STANDARD 2	5.00	2.6	0.0518	0.0415	0.0509	0.0528	/11/2006	33:54 PM
STANDARD 3	10.00	0.6	0.1105	0.0661	0.1101	0.1110	/11/2006	37:30 PM
STANDARD 4	20.00	1.1	0.2243	0.1190	0.2225	0.2260	/11/2006	41:06 PM
	QC Test: Correlation coefficient 0.9996 within 0.9950 limit							
STANDARD 5	30.00	1.9	0.3448	0.1769	0.3401	0.3495	/11/2006	44:36 PM
	Curve Fit	= Linear Origin						
	Characteristic Conc	= 0.77 µg/L						
	r	= 0.9996						
	Calculated Conc	= 1.05 0.66 4.56 9.73 19.74						
	Residuals	= -1.05 0.34 0.44 0.27 0.26						
	QC Test: ICV recovery 102.4%R - within limits							
~ICV	25.60	0.5	0.2908	0.1490	0.2918	0.2899	/11/2006	48:04 PM
	QC Test: ICB Concentration 0.48 less than limit							
~ICB	0.48	>100	0.0055	0.0146	0.0116	-0.0007	/11/2006	51:32 PM
	QC Test: CRDL recovery 119.4%R - within limits							
~CRDL	1.19	19.9	0.0136	0.0188	0.0155	0.0117	/11/2006	55:00 PM
	QC Test: CCV recovery 98.9%R - within limits							
~CCV	19.78	2.1	0.2248	0.1111	0.2215	0.2280	/11/2006	58:30 PM
	QC Test: CCB Concentration 0.45 less than limit							
~CCB	0.45	94.1	0.0051	0.0159	0.0086	0.0017	/11/2006	02:00 PM
PBW K10358	-0.68	36.5	-0.0077	0.0096	-0.0057	-0.0097	/11/2006	05:24 PM
LCSW	22.79	2.6	0.2589	0.1341	0.2542	0.2636	/11/2006	08:52 PM
K10358-01	1.83	20.0	0.0208	0.1182	0.0238	0.0179	/11/2006	12:20 PM
K10358-01A	18.69	4.1	0.2123	0.2281	0.2062	0.2184	/11/2006	15:46 PM
K10358-01D	1.80	17.7	0.0205	0.1600	0.0230	0.0179	/11/2006	19:12 PM
K10358-01DA	18.76	2.6	0.2132	0.2341	0.2093	0.2171	/11/2006	22:40 PM
	DF = 2.00							
K10358-01S	36.69	3.7	0.2084	0.1677	0.2139	0.2029	/11/2006	28:16 PM
	DF = 2.00							
K10358-01SA	50.24	1.1	0.2854	0.1992	0.2876	0.2832	/11/2006	33:56 PM
	QC Test: CCV recovery 95.9%R - within limits							

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
~CCV	19.19	1.3	0.2181	0.1213	0.2201	0.2160	/11/2006	37:22 PM
	W0235: CCB concentration 1.02 > 1.00							
~CCB	1.02Z	68.5	0.0116	0.0255	0.0172	0.0060	/11/2006	40:52 PM

Element Analyzed Cu Instrument K-GFAA-06
Service Request # K8882

Batch QC SR's #

Calibration Std. GF1-70-D
Starlims #
Modifier # NH_4NO_3 = GF1-56-0
Analysis Lot #

Analytical Batch
KA0626525

GFAA Data Review Form

		Yes	No	NA
1	ICV within 10% of true Value	✓		
2.	Calibration data included	✓		
3.	CCV's in control	✓		
4.	CCB's and/or ICB's below MRL	✓		
5.	All reported Results within Cal. Range	✓		
6.	All Calculations are Correct	✓		

Comments

Primary Reviewed by RN Date 12-18-06

Secondary Reviewed by SMA Date 12/18/06

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7060A 7421 7740 7841 200.9 Other:_____ Element: As Pb Se Tl Cu	**Service Request # :** K8882

SAMPLE NUMBER	Measured (ug/l)	Dilution factor	Recoveries (ICV, CCV, CRA, LCS Post-Spk., Matrix Spk.)	Comments
~ICV	25.7477		103%	
~ICB	0.9012			
~CRDL	1.5834		158%	
~CCV	20.0885		100%	
~CCB	0.4187			
K8882-22	1.8924	1/5		
k8882-22A	23.4556	1/5	108%	
K8882-23	3.2691	1/5		
K8882-24	3.3105	1/5		
K8882-25	0.5698	1/5		
K8882-26	1.3479	1/5		
K8882-27	0.613	1/5		
K8882-28	0.5153	1/5		
K8882-29	0.04	1/5		
K8882-29D	-0.0885	1/5		
~CCV	18.9561		95%	
~CCB	0.2826			
~~K8882 29S 1/20~~ EMM 12/18	~~12.3415~~			See rerun
~~K8882 30~~	~~0.9113~~			See rerun
~~PBW K10358~~	~~-0.1267~~			See rerun
~~LCSW~~	~~24.2996~~			See rerun
~~K10358 01~~	~~2.4721~~			See rerun
~~K10358 01A~~	~~20.6672~~			See rerun
~~K10358 01D~~	~~2.5656~~			See rerun
~~K10358 01DA~~	~~20.7953~~			See rerun
~~K10358 01S~~	~~38.471~~			See rerun
~~CCV~~	~~19.3188~~			See rerun
~~CCB~~	~~1.1188~~			See rerun

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	25.0ppb (76-115%)	40.0ppb (62-116%)	146mg/kg (112-180mg/kg)	80ppb (41-133%)
Lead	25.0ppb (77-114%)	40.0ppb (61-133%)	67.5mg/kg (53.1-81.9mg/kg)	80ppb (41-139%)
Selenium	25.0ppb (76-113%)	40.0ppb (37-119%)	70.5mg/kg (53.3-87.7mg/kg)	80ppb (36-134%)
Thallium	25.0ppb (83-114%)	40.0ppb (34-132%)	82.1mg/kg (62.6-102mg/kg)	80ppb (38-134%)

Analyst	**Date:**	**Page Number:**
		1

Analyst rnorris
Date Started 8:06 AM 12/14/2006
Worksheet Cu 12-14-06
Comment K-GFAA-06
Methods Cu

Varian 6 (K-GFAA-06)
Columbia Analytical Services
1317 S. 13th
Kelso, Wa 98632

Method: Cu (Zeeman)

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
CAL ZERO	0.00	8.0	0.0112	0.0098	0.0119	0.0106	/14/2006	6:20 AM
STANDARD 1	1.00	3.5	0.0119	0.0147	0.0122	0.0116	/14/2006	9:58 AM
STANDARD 2	5.00	3.2	0.0756	0.0406	0.0773	0.0739	/14/2006	3:36 AM
STANDARD 3	10.00	1.6	0.1577	0.0696	0.1595	0.1558	/14/2006	7:12 AM
STANDARD 4	20.00	0.4	0.3147	0.1302	0.3156	0.3138	/14/2006	0:48 AM
	QC Test: Correlation coefficient 0.9999 within 0.9950 limit							
STANDARD 5	30.00	0.1	0.4798	0.1953	0.4793	0.4803	/14/2006	4:18 AM
	Curve Fit		= Linear Origin					
	Characteristic Conc		= 0.55 µg/L					
	r		= 0.9999					
	Calculated Conc		= 0.71 0.75 4.76 9.92 19.81					
	Residuals		= -0.71 0.25 0.24 0.08 0.19					
	QC Test: ICV recovery 103.0%R - within limits							
~ICV	25.75	0.5	0.4090	0.1621	0.4105	0.4076	/14/2006	7:48 AM
	QC Test: ICB Concentration 0.90 less than limit							
~ICB	0.90	37.8	0.0143	0.0132	0.0181	0.0105	/14/2006	1:18 AM
	W0225: CRDL concentration 158.3 > 150.0							
~CRDL	1.58Y	9.3	0.0252	0.0205	0.0268	0.0235	/14/2006	4:46 AM
	QC Test: CCV recovery 100.4%R - within limits							
~CCV	20.09	0.4	0.3191	0.1354	0.3183	0.3200	/14/2006	8:14 AM
	QC Test: CCB Concentration 0.42 less than limit							
~CCB	0.42	42.5	0.0067	0.0157	0.0087	0.0047	/14/2006	1:44 AM
K8882-22 1/5	1.89	1.5	0.0301	0.0564	0.0304	0.0297	/14/2006	5:10 AM
k8882-22A	23.46	0.5	0.3726	0.1953	0.3713	0.3740	/14/2006	8:40 AM
K8882-23	3.27	3.2	0.0519	0.0309	0.0531	0.0508	/14/2006	2:08 AM
K8882-24	3.31	2.1	0.0526	0.0350	0.0534	0.0518	/14/2006	5:38 AM
K8882-25	0.57	3.8	0.0091	0.0104	0.0093	0.0088	/14/2006	9:06 AM
K8882-26	1.35	3.8	0.0214	0.0300	0.0220	0.0208	/14/2006	2:32 AM
K8882-27	0.61	11.8	0.0097	0.0846	0.0106	0.0089	/14/2006	6:02 AM
K8882-28	0.52	13.6	0.0082	0.0729	0.0090	0.0074	/14/2006	9:30 AM
K8882-29	0.04	22.2	0.0006	0.1061	0.0005	0.0007	/14/2006	2:56 AM
K8882-29D	-0.09	12.4	-0.0014	0.1059	-0.0013	-0.0015	/14/2006	6:20 AM
	QC Test: CCV recovery 94.8%R - within limits							
~CCV	18.96	3.0	0.3012	0.1300	0.2948	0.3075	/14/2006	9:48 AM
	QC Test: CCB Concentration 0.28 less than limit							
~CCB	0.28	60.4	0.0045	0.0143	0.0064	0.0026	/14/2006	3:16 AM
K8882-29S 1/20	12.34	0.7	0.1961	0.1160	0.1951	0.1970	/14/2006	6:42 AM
K8882-30	0.91	11.0	0.0145	0.0907	0.0156	0.0134	/14/2006	0:08 AM
PBW K10358	-0.13	22.8	-0.0020	0.0117	-0.0017	-0.0023	/14/2006	3:36 AM
LCSW	24.30	0.4	0.3860	0.1600	0.3849	0.3872	/14/2006	7:04 AM
K10358-01	2.47	5.9	0.0393	0.0876	0.0409	0.0376	/14/2006	0:32 AM
K10358-01A	20.67	2.4	0.3283	0.1943	0.3228	0.3338	/14/2006	4:00 AM
K10358-01D	2.57	7.9	0.0408	0.0850	0.0430	0.0385	/14/2006	7:30 AM
K10358-01DA	20.80	0.4	0.3304	0.2048	0.3314	0.3293	/14/2006	0:58 AM
	DF = 2.00							

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
K10358-01S	38.47	4.7	0.3056	0.1544	0.3157	0.2954	/14/2006	6:36 AM
	QC Test: CCV recovery 96.6%R - within limits							
~CCV	19.32	2.6	0.3069	0.1317	0.3012	0.3126	/14/2006	0:06 AM
	W0235: CCB concentration 1.12 > 1.00							
~CCB	1.12Z	37.1	0.0178	0.0163	0.0224	0.0131	/14/2006	3:34 AM
CAL ZERO	0.00	9.7	0.0167	0.0134	0.0178	0.0155	/14/2006	7:08 AM
STANDARD 1	1.00	8.2	0.0096	0.0175	0.0102	0.0090	/14/2006	0:46 AM
STANDARD 2	5.00	3.4	0.0656	0.0354	0.0640	0.0672	/14/2006	4:24 AM
STANDARD 3	10.00	1.3	0.1490	0.0744	0.1477	0.1504	/14/2006	8:00 AM
STANDARD 4	20.00	1.0	0.2974	0.1235	0.2952	0.2996	/14/2006	1:38 AM
	QC Test: Correlation coefficient 0.9991 within 0.9950 limit							
STANDARD 5	30.00	1.6	0.4672	0.1919	0.4620	0.4723	/14/2006	5:06 AM
	Curve Fit	= Linear Origin						
	Characteristic Conc	= 0.58 µg/L						
	r	= 0.9991						
	Calculated Conc	= 1.09 0.63 4.29 9.75 19.46						
	Residuals	= -1.09 0.37 0.71 0.25 0.54						
	QC Test: ICV recovery 105.3%R - within limits							
~ICV	26.32	0.5	0.4022	0.1720	0.4037	0.4008	/14/2006	8:36 AM
	W0232: ICB concentration 1.11 > 1.00							
~ICB	1.11Z	57.3	0.0169	0.0206	0.0238	0.0100	/14/2006	2:04 AM
CAL ZERO	0.00	26.0	0.0085	0.0041	0.0100	0.0069	/14/2006	8:20 AM
STANDARD 1	1.00	14.0	0.0124	0.0056	0.0136	0.0111	/14/2006	2:00 AM
STANDARD 2	5.00	3.5	0.0814	0.0293	0.0794	0.0834	/14/2006	5:36 AM
STANDARD 3	10.00	1.7	0.1655	0.0687	0.1636	0.1675	/14/2006	9:12 AM
STANDARD 4	20.00	1.4	0.3260	0.1294	0.3229	0.3292	/14/2006	02:50 PM
	QC Test: Correlation coefficient 0.9999 within 0.9950 limit							
STANDARD 5	30.00	0.9	0.4926	0.1947	0.4895	0.4956	/14/2006	06:18 PM
	Curve Fit	= Linear Origin						
	Characteristic Conc	= 0.54 µg/L						
	r	= 0.9999						
	Calculated Conc	= 0.52 0.75 4.97 10.10 19.89						
	Residuals	= -0.52 0.25 0.03 -0.10 0.11						
	QC Test: ICV recovery 105.5%R - within limits							
~ICV	26.38	0.5	0.4323	0.1697	0.4340	0.4307	/14/2006	09:48 PM
	W0232: ICB concentration 1.48 > 1.00							
~ICB	1.48Z	37.1	0.0242	0.0099	0.0306	0.0179	/14/2006	13:16 PM

Element Analyzed Cu Instrument K-GFAA-06
Service Request # K8882, K10358, K10506

Batch QC SR's #

Calibration Std. GFI-70-D
Starlims # 73750
Modifier # NH_4NO_3 : GFI-
Analysis Lot #

Analytical Batch
KA0626526

GFAA Data Review Form

	Yes	No	NA
1 ICV within 10% of true Value	✓		
2. Calibration data included	✓		
3. CCV's in control	✓		
4. CCB's and/or ICB's below MRL	✓		
5. All reported Results within Cal. Range	✓		
6. All Calculations are Correct	✓		

Comments

Primary Reviewed by RW Date 12-15-06

Secondary Reviewed by EMA Date 12/18/06

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7060A 7421 7740 7841 200.9 Other:_____ Element: As Pb Se Tl Cu	**Service Request # :** K8882, K10358, K10506

SAMPLE NUMBER	Measured (ug/l)	Dilution factor	Recoveries (ICV, CCV, CRA, LCS Post-Spk., Matrix Spk.)	Comments
~ICV	26.0367		104%	
~ICB	0.9325			
~CRDL	1.8337		183%	
~CCV	20.6105		103%	
~CCB	0.6641			
K8882-29S	12.9077	1/20	103%	
K8882-30	1.2418	1/5		
PBW K10358	0.2377	-		
LCSW	23.4349	-	94%	
K10358-01	2.5107	-		
K10358-01A	19.7589	-	86%	
K10358-01D	2.5049	-		
~~K10358-01DA~~ EMA 12/18	~~20.145~~	-		Not needed
K10358-01S	35.9654	-		
~CCV	20.0894		100%	
~CCB	0.8785			
~~K10358-01SA~~ EMA 12/18	~~49.1175~~	-		not needed
PBW K10506	0.8257	-		
LCSW	24.1002	-	96%	
K10506-01	1.1195	-		
K10506-01A	18.2479	-	86%	
K10506-01D	1.0096	-		
K10506-01S	37.2185	-	90%	
~CRDL	1.9743			
~CCV	20.4758		102%	
~CCB	0.6687			

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	25.0ppb (76-115%)	40.0ppb (62-116%)	146mg/kg (112-180mg/kg)	80ppb (41-133%)
Lead	25.0ppb (77-114%)	40.0ppb (61-133%)	67.5mg/kg (53.1-81.9mg/kg)	80ppb (41-139%)
Selenium	25.0ppb (76-113%)	40.0ppb (37-119%)	70.5mg/kg (53.3-87.7mg/kg)	80ppb (36-134%)
Thallium	25.0ppb (83-114%)	40.0ppb (34-132%)	82.1mg/kg (62.6-102mg/kg)	80ppb (38-134%)

Analyst	**Date:**	**Page Number:**
		1

Analyst rnorris
Date Started 12:35 PM 12/14/2006
Worksheet Cu 12-14-06 B
Comment K-GFAA-06
Methods Cu

Varian 6 (K-GFAA-06)
Columbia Analytical Services
1317 S. 13th
Kelso, Wa 98632

Method: Cu (Zeeman)

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
CAL ZERO	0.00	4.9	0.0030	0.0089	0.0029	0.0031	/14/2006	56:20 PM
STANDARD 1	1.00	4.3	0.0178	0.0159	0.0172	0.0183	/14/2006	00:00 PM
STANDARD 2	5.00	3.2	0.0956	0.0441	0.0978	0.0934	/14/2006	03:36 PM
STANDARD 3	10.00	0.2	0.2008	0.0916	0.2011	0.2005	/14/2006	07:14 PM
STANDARD 4	20.00	0.4	0.3859	0.1581	0.3869	0.3850	/14/2006	10:50 PM
	QC Test: Correlation coefficient 0.9999 within 0.9950 limit							
STANDARD 5	30.00	0.7	0.5835	0.2369	0.5866	0.5805	/14/2006	14:20 PM
	Curve Fit		= Linear Origin					
	Characteristic Conc		= 0.45 µg/L					
	r		= 0.9999					
	Calculated Conc		= 0.15 0.91 4.92 10.33 19.85					
	Residuals		= -0.15 0.09 0.08 -0.33 0.15					
	QC Test: ICV recovery 104.2%R - within limits							
~ICV	26.04	1.4	0.5063	0.2080	0.5113	0.5012	/14/2006	17:48 PM
	QC Test: ICB Concentration 0.93 less than limit							
~ICB	0.93	25.5	0.0181	0.0182	0.0214	0.0149	/14/2006	21:16 PM
	W0225: CRDL concentration 183.4 > 150.0							
~CRDL	1.83Y	2.9	0.0357	0.0248	0.0364	0.0349	/14/2006	24:44 PM
	QC Test: CCV recovery 103.1%R - within limits							
~CCV	20.61	1.6	0.4008	0.1688	0.3961	0.4054	/14/2006	28:14 PM
	QC Test: CCB Concentration 0.66 less than limit							
~CCB	0.66	21.5	0.0129	0.0170	0.0149	0.0110	/14/2006	31:42 PM
K8882-29S 1/20	12.91	0.6	0.2510	0.1585	0.2521	0.2498	/14/2006	35:08 PM
K8882-30 1/5 ev 12-15-06	1.24	9.5	0.0241	0.1132	0.0258	0.0225	/14/2006	38:34 PM
PBW K10358	0.24	17.7	0.0046	0.0142	0.0052	0.0040	/14/2006	42:02 PM
LCSW	23.43	2.0	0.4557	0.1906	0.4491	0.4622	/14/2006	45:30 PM
K10358-01	2.51	10.6	0.0488	0.1520	0.0525	0.0452	/14/2006	48:58 PM
K10358-01A	19.76	0.2	0.3842	0.2781	0.3836	0.3848	/14/2006	52:26 PM
K10358-01D	2.50	1.6	0.0487	0.1502	0.0493	0.0481	/14/2006	55:56 PM
K10358-01DA	20.14	1.0	0.3917	0.2754	0.3944	0.3890	/14/2006	59:26 PM
	DF = 2.00							
K10358-01S	35.97	2.0	0.3497	0.1994	0.3546	0.3447	/14/2006	05:02 PM
	QC Test: CCV recovery 100.4%R - within limits							
~CCV	20.09	1.8	0.3906	0.1608	0.3858	0.3955	/14/2006	08:32 PM
	QC Test: CCB Concentration 0.88 less than limit							
~CCB	0.88	18.5	0.0171	0.0207	0.0193	0.0149	/14/2006	12:02 PM
	DF = 2.00							
K10358-01SA	49.12	6.8	0.4775	0.2465	0.5006	0.4545	/14/2006	17:38 PM
PBW K10506	0.83	17.6	0.0161	0.0182	0.0180	0.0141	/14/2006	21:06 PM
LCSW	24.10	0.8	0.4686	0.1917	0.4661	0.4711	/14/2006	24:34 PM
K10506-01	1.12	13.4	0.0218	0.0322	0.0238	0.0197	/14/2006	28:02 PM
K10506-01A	18.25	0.5	0.3548	0.1622	0.3536	0.3561	/14/2006	31:30 PM
K10506-01D	1.01	14.9	0.0196	0.0309	0.0217	0.0176	/14/2006	34:56 PM
	DF = 2.00							

Sample ID	Conc µg/L	%RSD	Mean Abs	BG Abs	Readings			
K10506-01S	37.22	0.5	0.3618	0.1546	0.3604	0.3632	/14/2006	40:34 PM
	W0225: CRDL concentration 197.4 > 150.0							
~CRDL	1.97Y	9.0	0.0384	0.0283	0.0408	0.0360	/14/2006	44:00 PM
	QC Test: CCV recovery 102.4%R - w ithin limits							
~CCV	20.48	0.1	0.3981	0.1639	0.3981	0.3982	/14/2006	47:28 PM
	QC Test: CCB Concentration 0.67 less than limit							
~CCB	0.67	18.6	0.0130	0.0142	0.0147	0.0113	/14/2006	50:58 PM

Element Analyzed Se Hydride Instrument K-FLAA-2
Service Request #
K8899,K9025,K9325,K8882,K8663

Batch QC SR's #

Calibration Std. AA1-8-A
Starlims # 70615

Hydride Data Review Form

	Yes	No	NA
1 ICV within 10% of true Value	X		
2. Calibration data included	X		
3. CCV's in control	X		
4. CCB's and/or ICB's below MRL	X		
5. All reported Results within Cal. Range	X		
6. All Calculations are Correct	X		

Comments

Primary Reviewed by JDB Date 11/9/06

Secondary Reviewed by EmA Date 11/10/06

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7742 7062 Other:_____ Element: As Se	**Service Request # :**

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
ICV	-	10.380	104%	
ICB	-	0.130		
CRA	-	0.643	128%	
CCV	-	10.270	103%	
CCB	-	0.123		
PBW	1/2	0.131		
LCSW	1/2+1/200	7.179	115%	
K8899-01	1/2	0.186		
K8899-01D	1/2	0.164		
K8899-01S	1/2+1/100	5.876	118%	
K8899-05	1/2	0.162		
K8899-06	1/2	0.121		
K8899-09	1/2	0.117		
PBW	1/2	0.126		
~~LCSW~~	~~1/2+1/200~~	~~7.425~~	~~119%~~	RERUN JB 11/9/06
CCV	-	10.740	107%	
CCB	-	0.121		
K9025-01	1/2	0.176		
K9025-02	1/2	0.132		
K9025-02D	1/2	0.126		
K9025-02S	1/2+1/100	5.069	101%	
K9025-03	1/2	0.252		
K9025-04	1/2	0.172		
K9025-05	1/2	0.142		
K9025-06	1/2	0.154		
K9025-07	1/2	0.157		
K9025-08	1/2	0.166		
CCV	-	10.370	104%	
CCB	-	0.087		
K9025-09	1/2	0.176		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	2500ppb (75-119%)	1000ppb (75-125%)	146.0mg/kg (116-176mg/kg)	1000ppb (60-130)
Selenium	2500ppb (75-119%)	1000ppb (60-127%)	73.0mg/kg (55.1-90.8mg/kg)	1000ppb (64-120)

Analyst	**Date:**	**Page Number:**
Joel D Bill	11/9/06	1

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7742 7062 Other:_____ Element: As Se	**Service Request # :**

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
K9025-10	1/2	0.195		
~~K9025-11~~	1/2	2.777		RERUN JB 11/9/06
K9025-12	1/2	0.188		
K9025-13	1/2	-0.002		
K9325-01	1/2	0.067		
K9325-02	1/2	0.128		
K9325-03	1/2	0.088		
K9325-04	1/2	0.099		
K9325-05	1/2	0.086		
CCV	-	10.720	107%	
CCB	-	0.103		
PBW	1/2	-0.052		
LCSW	1/2+1/200	6.313	101%	
K8882-21	1/2	0.248		
K8882-22	1/2	0.053		
K8882-23	1/2	0.059		
K8882-24	1/2	0.178		
K8882-25	1/2	0.105		
K8882-26	1/2	0.143		
K8882-27	1/2	0.106		
K8882-28	1/2	0.142		
CCV	-	10.990	110%	
CCB	-	0.113		
K8882-29	1/2	0.134		
K8882-29D	1/2	0.112		
K8882-29S	1/2+1/100	4.457	89%	
K8882-30	1/2	0.049		
PBS	1/2	0.070		
LCSS	1/2+1/100	4.340	119%	
K8882-10	1/2	0.582		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	2500ppb (75-119%)	1000ppb (75-125%)	146.0mg/kg (116-176mg/kg)	1000ppb (60-130)
Selenium	2500ppb (75-119%)	1000ppb (60-127%)	73.0mg/kg (55.1-90.8mg/kg)	1000ppb (64-120)

Analyst	**Date:**	**Page Number:**
Joel D Bank	11/9/06	2

R:\ICP\MISC\HG1631\1631 Run Log

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7742 7062 Other:_____ Element: As Se	**Service Request # :**

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
K8882-10D	1/2	0.571		
K8882-10S	1/2+1/100	5.703	114%	
~~K8882-11~~	~~1/2~~	~~1.276~~		~~RERUN~~ JB 11/2/06
CCV	-	10.940	109%	
CCB	-	0.152		
K8882-12	1/2	10.180		
K8882-13	1/2	5.288		
K8882-14	1/2	0.820		
K8882-15	1/2	0.915		
K8882-16	1/2	0.802		
K8882-17	1/2	1.136		
~~K8882-18~~	~~1/2~~	~~2.317~~		~~RERUN~~
K8882-31	1/2	1.252		JB 11/2/06
PBS	1/2	0.199		
~~LCSS~~	~~1/2+1/100~~	~~4.667~~	~~128%~~	~~RERUN~~
CCV	-	10.780	108%	
CCB	-	0.018		
K8663-02	1/2	0.534		
K8663-02D	1/2	0.495		
K8663-02S	1/2+1/100	4.992	100%	
K8663-09	1/2	0.696		
K8663-16	1/2	0.426		
LCSW (K9025,K9325)	1/2+1/200	5.768	92%	
~~K9025-11~~	~~1/2~~	~~0.680~~		~~RERUN~~ JB 11/2/06
K8882-11	1/2	1.057		
K8882-18	1/2	1.163		
LCSS (K8663)	1/2+1/100	3.947	108%	
CCV	-	10.770	108%	
CCB	-	0.090		
K9025-11	1/2	0.072		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	2500ppb (75-119%)	1000ppb (75-125%)	146.0mg/kg (116-176mg/kg)	1000ppb (60-130)
Selenium	2500ppb (75-119%)	1000ppb (60-127%)	73.0mg/kg (55.1-90.8mg/kg)	1000ppb (64-120)

Analyst	**Date:**	**Page Number:**
Jose D Baird	11/9/06	3

R:\ICP\MISC\HG1631\1631 Run Log

COLUMBIA ANALYTICAL SERVICES, INC.
GFAA Run Log

Method: (Circle Method Used) 7742 7062 Other:_____ Element: Ag Se	**Service Request # :**

SAMPLE NUMBER	Dilution Factor	Measured (µg/L)	Recoveries (ICV, CCV, CRA, LCS, Matrix Spk.)	Comments
CCV	-	11.000	110%	
CCV	-	10.860	109%	
CCB	-	0.054		

True Values/QC Limits:	LCSW	Water Spike	LCSS (ERA D045540)	Soil Spike
Arsenic:	2500ppb (75-119%)	1000ppb (75-125%)	146.0mg/kg (116-176mg/kg)	1000ppb (60-130)
Selenium	2500ppb (75-119%)	1000ppb (60-127%)	73.0mg/kg (55.1-90.8mg/kg)	1000ppb (64-120)

Analyst	**Date:**	**Page Number:**
Joel D Bair	11/2/06	4

R:\ICP\MISC\HG1631\1631 Run Log

==========

Analysis Begun

Logged In Analyst: acqmet10 **Technique: AA FIAS-Flame**
Spectrometer Model: AAnalyst 200, S/N 200S5061701 **Autosampler Model: AS-90**

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061109-Se.sif
Batch ID: 061109-Se
Results Data Set: 061109-Se
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 1**
Sample ID: Cal Blk **Date Collected: 11/9/2006 6:56:07 PM**
Analyst: **Data Type: Original**

Replicate Data: Cal Blk

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.00]	0.002	-0.007	0.002			18:56:28	Yes
2		[0.00]	0.001	-0.013	0.001			18:57:02	Yes
3		[0.00]	0.002	0.004	0.002			18:57:36	Yes
Mean:		[0.00]	0.002						
SD:		0.00	0.0006						
%RSD:		0.00	40.90						

Auto-zero performed.

==========

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: Std 0.5 **Date Collected: 11/9/2006 6:58:25 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 0.5

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[0.5]	0.009	0.046	0.010			18:58:47	Yes
2		[0.5]	0.010	0.041	0.011			18:59:21	Yes
3		[0.5]	0.008	0.029	0.010			18:59:55	Yes
Mean:		[0.5]	0.009						
SD:		0.0	0.0007						
%RSD:		0.0	7.70						

Standard number 1 applied. [0.5]
Correlation Coef.: 1.000000 Slope: 0.01764 Intercept: 0.00000

==========

Sequence No.: 3 **Autosampler Location: 3**
Sample ID: Std 1.0 **Date Collected: 11/9/2006 7:00:44 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 1.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[1.0]	0.018	0.064	0.019			19:01:06	Yes
2		[1.0]	0.017	0.070	0.019			19:01:40	Yes
3		[1.0]	0.018	0.067	0.020			19:02:14	Yes
Mean:		[1.0]	0.018						
SD:		0.0	0.0004						
%RSD:		0.0	2.21						

Standard number 2 applied. [1.0]
Correlation Coef.: 0.999985 Slope: 0.01758 Intercept: 0.00000

==========

Sequence No.: 4 **Autosampler Location: 4**

Sample ID: Std 5.0 **Date Collected: 11/9/2006 7:03:04 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 5.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[5.0]	0.077	0.292	0.079			19:03:26	Yes
2		[5.0]	0.078	0.308	0.079			19:04:01	Yes
3		[5.0]	0.080	0.299	0.081			19:04:35	Yes
Mean:		[5.0]	0.078						
SD:		0.0	0.0013						
%RSD:		0.0	1.69						

Standard number 3 applied. [5.0]
Correlation Coef.: 0.999270 Slope: 0.01576 Intercept: 0.00000

Sequence No.: 5 **Autosampler Location: 5**
Sample ID: Std 10.0 **Date Collected: 11/9/2006 7:05:25 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 10.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[10.0]	0.152	0.567	0.154			19:05:47	Yes
2		[10.0]	0.154	0.571	0.156			19:06:21	Yes
3		[10.0]	0.154	0.574	0.155			19:06:56	Yes
Mean:		[10.0]	0.153						
SD:		0.0	0.0010						
%RSD:		0.0	0.67						

Standard number 4 applied. [10.0]
Correlation Coef.: 0.999703 Slope: 0.01541 Intercept: 0.00000

Sequence No.: 6 **Autosampler Location: 6**
Sample ID: Std 15.0 **Date Collected: 11/9/2006 7:07:48 PM**
Analyst: **Data Type: Original**

Replicate Data: Std 15.0

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1		[15.0]	0.229	0.880	0.231			19:08:11	Yes
2		[15.0]	0.231	0.877	0.232			19:08:46	Yes
3		[15.0]	0.233	0.900	0.234			19:09:20	Yes
Mean:		[15.0]	0.231						
SD:		0.0	0.0017						
%RSD:		0.0	0.73						

Standard number 5 applied. [15.0]
Correlation Coef.: 0.999887 Slope: 0.01540 Intercept: 0.00000
The calibration curve may not be linear.

Calibration data for Se 196.03 **Equation: Linear Through Zero**

ID	Mean Signal (Abs)	Entered Conc. ug/L	Calculated Conc. ug/L	Standard Deviation	%RSD
Cal Blk	0.0000	0	0.000	0.00	40.9
Std 0.5	0.0088	0.5	0.573	0.00	7.7
Std 1.0	0.0176	1.0	1.140	0.00	2.2
Std 5.0	0.0783	5.0	5.083	0.00	1.7
Std 10.0	0.1532	10.0	9.947	0.00	0.7
Std 15.0	0.2309	15.0	14.994	0.00	0.7

Correlation Coef.: 0.999887 Slope: 0.01540 Intercept: 0.00000

Sequence No.: 7
Sample ID: ICV
Analyst:

Autosampler Location: 7
Date Collected: 11/9/2006 7:10:12 PM
Data Type: Original

Replicate Data: ICV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.39	10.39	0.160	0.609	0.162			19:10:36	Yes
2	10.43	10.43	0.161	0.603	0.162			19:11:10	Yes
3	10.31	10.31	0.159	0.601	0.160			19:11:45	Yes
Mean:	10.38	10.38	0.160						
SD:	0.058	0.058	0.0009						
%RSD:	0.560	0.560	0.56						

QC value within limits for Se 196.03 Recovery = 103.78%
All analyte(s) passed QC.

Sequence No.: 8
Sample ID: ICB
Analyst:

Autosampler Location: 1
Date Collected: 11/9/2006 7:12:37 PM
Data Type: Original

Replicate Data: ICB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.197	0.197	0.003	0.027	0.005			19:12:58	Yes
2	0.128	0.128	0.002	0.013	0.004			19:13:32	Yes
3	0.064	0.064	0.001	0.013	0.003			19:14:06	Yes
Mean:	0.130	0.130	0.002						
SD:	0.067	0.067	0.0010						
%RSD:	51.50	51.50	51.50						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 9
Sample ID: CRA
Analyst:

Autosampler Location: 2
Date Collected: 11/9/2006 7:14:55 PM
Data Type: Original

Replicate Data: CRA

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.685	0.685	0.011	0.038	0.012			19:15:16	Yes
2	0.608	0.608	0.009	0.034	0.011			19:15:50	Yes
3	0.634	0.634	0.010	0.040	0.011			19:16:25	Yes
Mean:	0.643	0.643	0.010						
SD:	0.039	0.039	0.0006						
%RSD:	6.102	6.102	6.10						

QC value within limits for Se 196.03 Recovery = 128.52%
All analyte(s) passed QC.

Sequence No.: 10
Sample ID: CCV
Analyst:

Autosampler Location: 5
Date Collected: 11/9/2006 7:17:14 PM
Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.22	10.22	0.157	0.599	0.159			19:17:37	Yes
2	10.29	10.29	0.158	0.583	0.160			19:18:11	Yes
3	10.30	10.30	0.159	0.608	0.160			19:18:45	Yes
Mean:	10.27	10.27	0.158						

SD:	0.045	0.045	0.0007
%RSD:	0.438	0.438	0.44

QC value within limits for Se 196.03 Recovery = 102.67%
All analyte(s) passed QC.

==========

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 7:19:37 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.165	0.165	0.003	0.024	0.004			19:19:57	Yes
2	0.112	0.112	0.002	0.023	0.003			19:20:32	Yes
3	0.092	0.092	0.001	0.000	0.003			19:21:06	Yes
Mean:	0.123	0.123	0.002						
SD:	0.038	0.038	0.0006						
%RSD:	30.87	30.87	30.87						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 12 **Autosampler Location: 9**
Sample ID: PBW **Date Collected: 11/9/2006 7:21:55 PM**
Analyst: **Data Type: Original**

Replicate Data: PBW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.110	0.110	0.002	0.010	0.003			19:22:16	Yes
2	0.227	0.227	0.004	0.020	0.005			19:22:51	Yes
3	0.055	0.055	0.001	-0.001	0.002			19:23:24	Yes
Mean:	0.131	0.131	0.002						
SD:	0.088	0.088	0.0014						
%RSD:	67.39	67.39	67.39						

==========

Sequence No.: 13 **Autosampler Location: 10**
Sample ID: LCSW **Date Collected: 11/9/2006 7:24:13 PM**
Analyst: **Data Type: Original**

Replicate Data: LCSW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.160	7.160	0.110	0.408	0.112			19:24:34	Yes
2	7.155	7.155	0.110	0.393	0.112			19:25:08	Yes
3	7.222	7.222	0.111	0.399	0.113			19:25:43	Yes
Mean:	7.179	7.179	0.111						
SD:	0.038	0.038	0.0006						
%RSD:	0.525	0.525	0.52						

==========

Sequence No.: 14 **Autosampler Location: 11**
Sample ID: K8899-01 **Date Collected: 11/9/2006 7:26:32 PM**
Analyst: **Data Type: Original**

Replicate Data: K8899-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.308	0.308	0.005	0.027	0.006			19:26:54	Yes
2	0.223	0.223	0.003	0.023	0.005			19:27:28	Yes
3	0.027	0.027	0.000	-0.015	0.002			19:28:02	Yes

Mean:	0.186	0.186	0.003
SD:	0.144	0.144	0.0022
%RSD:	77.35	77.35	77.35

==========

Sequence No.: 15 **Autosampler Location: 12**
Sample ID: K8899-01D **Date Collected: 11/9/2006 7:28:53 PM**
Analyst: **Data Type: Original**

Replicate Data: K8899-01D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.147	0.147	0.002	0.008	0.004			19:29:15	Yes
2	0.076	0.076	0.001	-0.001	0.003			19:29:50	Yes
3	0.269	0.269	0.004	0.027	0.006			19:30:24	Yes
Mean:	0.164	0.164	0.003						
SD:	0.097	0.097	0.0015						
%RSD:	59.37	59.37	59.37						

==========

Sequence No.: 16 **Autosampler Location: 13**
Sample ID: K8899-01S **Date Collected: 11/9/2006 7:31:14 PM**
Analyst: **Data Type: Original**

Replicate Data: K8899-01S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.816	5.816	0.090	0.335	0.091			19:31:37	Yes
2	5.885	5.885	0.091	0.318	0.092			19:32:11	Yes
3	5.927	5.927	0.091	0.329	0.093			19:32:45	Yes
Mean:	5.876	5.876	0.090						
SD:	0.056	0.056	0.0009						
%RSD:	0.959	0.959	0.96						

==========

Sequence No.: 17 **Autosampler Location: 14**
Sample ID: K8899-05 **Date Collected: 11/9/2006 7:33:35 PM**
Analyst: **Data Type: Original**

Replicate Data: K8899-05

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.145	0.145	0.002	0.019	0.004			19:33:59	Yes
2	0.140	0.140	0.002	0.009	0.004			19:34:33	Yes
3	0.200	0.200	0.003	0.025	0.005			19:35:07	Yes
Mean:	0.162	0.162	0.002						
SD:	0.033	0.033	0.0005						
%RSD:	20.48	20.48	20.48						

==========

Sequence No.: 18 **Autosampler Location: 15**
Sample ID: K8899-06 **Date Collected: 11/9/2006 7:35:59 PM**
Analyst: **Data Type: Original**

Replicate Data: K8899-06

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.091	0.091	0.001	-0.008	0.003			19:36:23	Yes
2	0.099	0.099	0.002	0.010	0.003			19:36:57	Yes
3	0.173	0.173	0.003	0.012	0.004			19:37:31	Yes
Mean:	0.121	0.121	0.002						
SD:	0.046	0.046	0.0007						
%RSD:	37.75	37.75	37.75						

Sequence No.: 19
Sample ID: K8899-09
Analyst:

Autosampler Location: 16
Date Collected: 11/9/2006 7:38:23 PM
Data Type: Original

Replicate Data: K8899-09

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.129	0.129	0.002	0.012	0.004			19:38:47	Yes
2	0.110	0.110	0.002	0.005	0.003			19:39:21	Yes
3	0.112	0.112	0.002	0.011	0.003			19:39:55	Yes
Mean:	0.117	0.117	0.002						
SD:	0.010	0.010	0.0002						
%RSD:	8.837	8.837	8.84						

Sequence No.: 20
Sample ID: PBW
Analyst:

Autosampler Location: 17
Date Collected: 11/9/2006 7:40:47 PM
Data Type: Original

Replicate Data: PBW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.214	0.214	0.003	0.009	0.005			19:41:08	Yes
2	0.083	0.083	0.001	0.001	0.003			19:41:42	Yes
3	0.080	0.080	0.001	0.005	0.003			19:42:17	Yes
Mean:	0.126	0.126	0.002						
SD:	0.077	0.077	0.0012						
%RSD:	60.95	60.95	60.95						

Sequence No.: 21
Sample ID: LCSW
Analyst:

Autosampler Location: 18
Date Collected: 11/9/2006 7:43:06 PM
Data Type: Original

Replicate Data: LCSW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	7.352	7.352	0.113	0.422	0.115			19:43:27	Yes
2	7.526	7.526	0.116	0.429	0.117			19:44:02	Yes
3	7.396	7.396	0.114	0.420	0.115			19:44:36	Yes
Mean:	7.425	7.425	0.114						
SD:	0.091	0.091	0.0014						
%RSD:	1.221	1.221	1.22						

JB 11/1/06

Sequence No.: 22
Sample ID: CCV
Analyst:

Autosampler Location: 5
Date Collected: 11/9/2006 7:45:25 PM
Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	11.39	11.39	0.175	0.648	0.177			19:45:48	Yes
2	10.34	10.34	0.159	0.621	0.161			19:46:22	Yes
3	10.51	10.51	0.162	0.636	0.163			19:46:56	Yes
Mean:	10.74	10.74	0.165						
SD:	0.564	0.564	0.0087						
%RSD:	5.245	5.245	5.25						

QC value within limits for Se 196.03 Recovery = 107.43%
All analyte(s) passed QC.

Sequence No.: 23
Sample ID: CCB
Analyst:

Autosampler Location: 1
Date Collected: 11/9/2006 7:47:46 PM
Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.160	0.160	0.002	0.019	0.004			19:48:07	Yes
2	0.121	0.121	0.002	0.017	0.003			19:48:41	Yes
3	0.083	0.083	0.001	0.011	0.003			19:49:16	Yes
Mean:	0.121	0.121	0.002						
SD:	0.038	0.038	0.0006						
%RSD:	31.76	31.76	31.76						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 24
Sample ID: K9025-01
Analyst:

Autosampler Location: 19
Date Collected: 11/9/2006 7:50:05 PM
Data Type: Original

Replicate Data: K9025-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.175	0.175	0.003	0.020	0.004			19:50:26	Yes
2	0.170	0.170	0.003	0.006	0.004			19:51:00	Yes
3	0.183	0.183	0.003	0.013	0.004			19:51:34	Yes
Mean:	0.176	0.176	0.003						
SD:	0.007	0.007	0.0001						
%RSD:	3.936	3.936	3.94						

Sequence No.: 25
Sample ID: K9025-02
Analyst:

Autosampler Location: 20
Date Collected: 11/9/2006 7:52:23 PM
Data Type: Original

Replicate Data: K9025-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.112	0.112	0.002	-0.002	0.003			19:52:44	Yes
2	0.150	0.150	0.002	0.011	0.004			19:53:18	Yes
3	0.134	0.134	0.002	0.005	0.004			19:53:52	Yes
Mean:	0.132	0.132	0.002						
SD:	0.019	0.019	0.0003						
%RSD:	14.16	14.16	14.16						

Sequence No.: 26
Sample ID: K9025-02D
Analyst:

Autosampler Location: 21
Date Collected: 11/9/2006 7:54:42 PM
Data Type: Original

Replicate Data: K9025-02D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.100	0.100	0.002	0.008	0.003			19:55:04	Yes
2	0.102	0.102	0.002	0.001	0.003			19:55:38	Yes
3	0.177	0.177	0.003	0.016	0.004			19:56:13	Yes
Mean:	0.126	0.126	0.002						
SD:	0.044	0.044	0.0007						
%RSD:	34.93	34.93	34.93						

Sequence No.: 27
Sample ID: K9025-02S
Analyst:

Autosampler Location: 22
Date Collected: 11/9/2006 7:57:02 PM
Data Type: Original

Replicate Data: K9025-02S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.001	5.001	0.077	0.260	0.079			19:57:25	Yes
2	5.067	5.067	0.078	0.293	0.080			19:57:59	Yes
3	5.139	5.139	0.079	0.293	0.081			19:58:33	Yes
Mean:	5.069	5.069	0.078						
SD:	0.069	0.069	0.0011						
%RSD:	1.365	1.365	1.36						

Sequence No.: 28
Sample ID: K9025-03
Analyst:

Autosampler Location: 23
Date Collected: 11/9/2006 7:59:24 PM
Data Type: Original

Replicate Data: K9025-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.257	0.257	0.004	0.013	0.006			19:59:46	Yes
2	0.256	0.256	0.004	0.012	0.005			20:00:20	Yes
3	0.243	0.243	0.004	0.006	0.005			20:00:53	Yes
Mean:	0.252	0.252	0.004						
SD:	0.008	0.008	0.0001						
%RSD:	3.182	3.182	3.18						

Sequence No.: 29
Sample ID: K9025-04
Analyst:

Autosampler Location: 24
Date Collected: 11/9/2006 8:01:44 PM
Data Type: Original

Replicate Data: K9025-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.125	0.125	0.002	0.011	0.003			20:02:06	Yes
2	0.207	0.207	0.003	0.026	0.005			20:02:40	Yes
3	0.184	0.184	0.003	0.007	0.004			20:03:14	Yes
Mean:	0.172	0.172	0.003						
SD:	0.042	0.042	0.0006						
%RSD:	24.46	24.46	24.46						

Sequence No.: 30
Sample ID: K9025-05
Analyst:

Autosampler Location: 25
Date Collected: 11/9/2006 8:04:05 PM
Data Type: Original

Replicate Data: K9025-05

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.121	0.121	0.002	0.027	0.003			20:04:28	Yes
2	0.182	0.182	0.003	0.013	0.004			20:05:02	Yes
3	0.122	0.122	0.002	0.018	0.003			20:05:36	Yes
Mean:	0.142	0.142	0.002						
SD:	0.035	0.035	0.0005						
%RSD:	24.76	24.76	24.76						

Sequence No.: 31
Sample ID: K9025-06
Analyst:

Autosampler Location: 26
Date Collected: 11/9/2006 8:06:26 PM
Data Type: Original

Replicate Data: K9025-06

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.149	0.149	0.002	0.013	0.004			20:06:49	Yes
2	0.143	0.143	0.002	0.015	0.004			20:07:23	Yes
3	0.172	0.172	0.003	0.016	0.004			20:07:58	Yes
Mean:	0.154	0.154	0.002						
SD:	0.015	0.015	0.0002						
%RSD:	9.848	9.848	9.85						

Sequence No.: 32 **Autosampler Location: 27**
Sample ID: K9025-07 **Date Collected: 11/9/2006 8:08:48 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-07

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.134	0.134	0.002	-0.004	0.004			20:09:11	Yes
2	0.190	0.190	0.003	0.016	0.004			20:09:45	Yes
3	0.146	0.146	0.002	0.010	0.004			20:10:20	Yes
Mean:	0.157	0.157	0.002						
SD:	0.029	0.029	0.0005						
%RSD:	18.77	18.77	18.77						

Sequence No.: 33 **Autosampler Location: 28**
Sample ID: K9025-08 **Date Collected: 11/9/2006 8:11:11 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-08

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.157	0.157	0.002	0.012	0.004			20:11:35	Yes
2	0.180	0.180	0.003	0.019	0.004			20:12:09	Yes
3	0.163	0.163	0.003	0.007	0.004			20:12:43	Yes
Mean:	0.166	0.166	0.003						
SD:	0.012	0.012	0.0002						
%RSD:	7.076	7.076	7.08						

Sequence No.: 34 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/9/2006 8:13:35 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.35	10.35	0.159	0.619	0.161			20:13:58	Yes
2	10.43	10.43	0.161	0.630	0.162			20:14:32	Yes
3	10.35	10.35	0.159	0.607	0.161			20:15:06	Yes
Mean:	10.37	10.37	0.160						
SD:	0.047	0.047	0.0007						
%RSD:	0.449	0.449	0.45						

QC value within limits for Se 196.03 Recovery = 103.74%
All analyte(s) passed QC.

Sequence No.: 35 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 8:15:57 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.129	0.129	0.002	-0.002	0.004			20:16:18	Yes
2	0.025	0.025	0.000	-0.003	0.002			20:16:52	Yes
3	0.107	0.107	0.002	0.016	0.003			20:17:26	Yes
Mean:	0.087	0.087	0.001						
SD:	0.055	0.055	0.0008						
%RSD:	63.10	63.10	63.10						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 36 **Autosampler Location: 29**
Sample ID: K9025-09 **Date Collected: 11/9/2006 8:18:15 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-09

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.154	0.154	0.002	0.009	0.004			20:18:39	Yes
2	0.191	0.191	0.003	0.014	0.004			20:19:13	Yes
3	0.185	0.185	0.003	0.016	0.004			20:19:48	Yes
Mean:	0.176	0.176	0.003						
SD:	0.020	0.020	0.0003						
%RSD:	11.36	11.36	11.36						

Sequence No.: 37 **Autosampler Location: 30**
Sample ID: K9025-10 **Date Collected: 11/9/2006 8:20:39 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-10

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.192	0.192	0.003	0.022	0.005			20:21:03	Yes
2	0.140	0.140	0.002	0.012	0.004			20:21:37	Yes
3	0.253	0.253	0.004	0.017	0.005			20:22:11	Yes
Mean:	0.195	0.195	0.003						
SD:	0.056	0.056	0.0009						
%RSD:	28.99	28.99	28.99						

Sequence No.: 38 **Autosampler Location: 31**
Sample ID: K9025-11 **Date Collected: 11/9/2006 8:23:03 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-11

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.085	0.085	0.001	0.003	0.003			20:23:27	Yes
2	8.970	8.970	0.138	1.268	0.140			20:24:01	Yes
3	-0.725	-0.725	-0.011	-0.767	-0.010			20:24:35	Yes
	Changing BOC								
Mean:	2.777	2.777	0.043						
SD:	5.379	5.379	0.0828						
%RSD:	193.7	193.7	193.70						
	Changing BOC								

JB 11/9/06

Sequence No.: 39 **Autosampler Location: 32**
Sample ID: K9025-12 **Date Collected: 11/9/2006 8:25:27 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-12

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.159	0.159	0.002	0.001	0.004			20:25:48	Yes
2	0.190	0.190	0.003	-0.002	0.004			20:26:22	Yes
3	0.215	0.215	0.003	0.002	0.005			20:26:55	Yes
Mean:	0.188	0.188	0.003						
SD:	0.028	0.028	0.0004						
%RSD:	14.71	14.71	14.71						

Sequence No.: 40
Sample ID: K9025-13
Analyst:
Autosampler Location: 33
Date Collected: 11/9/2006 8:27:44 PM
Data Type: Original

Replicate Data: K9025-13

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.084	0.084	0.001	-0.003	0.003			20:28:04	Yes
2	-0.057	-0.057	-0.001	-0.028	0.001			20:28:38	Yes
3	-0.032	-0.032	-0.000	-0.031	0.001			20:29:12	Yes
Mean:	-0.002	-0.002	-0.000						
SD:	0.075	0.075	0.0012						
%RSD:	>999.9%	>999.9%	>999.9%						

Sequence No.: 41
Sample ID: K9325-01
Analyst:
Autosampler Location: 34
Date Collected: 11/9/2006 8:30:01 PM
Data Type: Original

Replicate Data: K9325-01

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.043	0.043	0.001	0.003	0.002			20:30:22	Yes
2	0.045	0.045	0.001	-0.002	0.002			20:30:57	Yes
3	0.113	0.113	0.002	0.017	0.003			20:31:31	Yes
Mean:	0.067	0.067	0.001						
SD:	0.040	0.040	0.0006						
%RSD:	59.31	59.31	59.31						

Sequence No.: 42
Sample ID: K9325-02
Analyst:
Autosampler Location: 35
Date Collected: 11/9/2006 8:32:20 PM
Data Type: Original

Replicate Data: K9325-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.138	0.138	0.002	0.006	0.004			20:32:42	Yes
2	0.121	0.121	0.002	0.019	0.003			20:33:16	Yes
3	0.125	0.125	0.002	0.008	0.003			20:33:50	Yes
Mean:	0.128	0.128	0.002						
SD:	0.009	0.009	0.0001						
%RSD:	6.866	6.866	6.87						

Sequence No.: 43
Sample ID: K9325-03
Analyst:
Autosampler Location: 36
Date Collected: 11/9/2006 8:34:39 PM
Data Type: Original

Replicate Data: K9325-03

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.099	0.099	0.002	0.007	0.003			20:35:00	Yes
2	0.080	0.080	0.001	0.012	0.003			20:35:34	Yes
3	0.085	0.085	0.001	0.017	0.003			20:36:08	Yes
Mean:	0.088	0.088	0.001						
SD:	0.009	0.009	0.0001						
%RSD:	10.76	10.76	10.76						

==========

Sequence No.: 44 **Autosampler Location: 37**
Sample ID: K9325-04 **Date Collected: 11/9/2006 8:36:57 PM**
Analyst: **Data Type: Original**

Replicate Data: K9325-04

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.049	0.049	0.001	0.009	0.002			20:37:19	Yes
2	0.184	0.184	0.003	0.014	0.004			20:37:54	Yes
3	0.065	0.065	0.001	-0.000	0.003			20:38:28	Yes
Mean:	0.099	0.099	0.002						
SD:	0.074	0.074	0.0011						
%RSD:	74.41	74.41	74.41						

==========

Sequence No.: 45 **Autosampler Location: 38**
Sample ID: K9325-05 **Date Collected: 11/9/2006 8:39:18 PM**
Analyst: **Data Type: Original**

Replicate Data: K9325-05

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.007	0.007	0.000	-0.001	0.002			20:39:39	Yes
2	0.142	0.142	0.002	0.022	0.004			20:40:14	Yes
3	0.109	0.109	0.002	0.009	0.003			20:40:48	Yes
Mean:	0.086	0.086	0.001						
SD:	0.071	0.071	0.0011						
%RSD:	82.13	82.13	82.13						

==========

Sequence No.: 46 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/9/2006 8:41:38 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.74	10.74	0.165	0.652	0.167			20:42:01	Yes
2	10.77	10.77	0.166	0.644	0.167			20:42:36	Yes
3	10.65	10.65	0.164	0.662	0.166			20:43:11	Yes
Mean:	10.72	10.72	0.165						
SD:	0.063	0.063	0.0010						
%RSD:	0.586	0.586	0.59						

QC value within limits for Se 196.03 Recovery = 107.20%
All analyte(s) passed QC.

==========

Sequence No.: 47 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 8:44:02 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak

#	ug/L	ug/L	Signal	Area	Height	Area	Height		Stored
1	0.188	0.188	0.003	0.029	0.004			20:44:23	Yes
2	-0.004	-0.004	-0.000	-0.010	0.001			20:44:57	Yes
3	0.125	0.125	0.002	-0.011	0.003			20:45:31	Yes
Mean:	0.103	0.103	0.002						
SD:	0.098	0.098	0.0015						
%RSD:	95.14	95.14	95.14						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 48 **Autosampler Location: 39**
Sample ID: PBW **Date Collected: 11/9/2006 8:46:20 PM**
Analyst: **Data Type: Original**

Replicate Data: PBW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.155	0.155	0.002	0.010	0.004			20:46:42	Yes
2	-0.277	-0.277	-0.004	-0.119	-0.003			20:47:16	Yes
3	-0.036	-0.036	-0.001	-0.028	0.001			20:47:50	Yes
Mean:	-0.052	-0.052	-0.001						
SD:	0.217	0.217	0.0033						
%RSD:	414.1	414.1	414.14						

==========

Sequence No.: 49 **Autosampler Location: 40**
Sample ID: LCSW **Date Collected: 11/9/2006 8:48:40 PM**
Analyst: **Data Type: Original**

Replicate Data: LCSW

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	6.394	6.394	0.098	0.348	0.100			20:49:02	Yes
2	6.243	6.243	0.096	0.330	0.098			20:49:36	Yes
3	6.302	6.302	0.097	0.329	0.099			20:50:11	Yes
Mean:	6.313	6.313	0.097						
SD:	0.076	0.076	0.0012						
%RSD:	1.210	1.210	1.21						

==========

Sequence No.: 50 **Autosampler Location: 41**
Sample ID: K8882-21 **Date Collected: 11/9/2006 8:51:01 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-21

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.213	0.213	0.003	-0.006	0.005			20:51:23	Yes
2	0.296	0.296	0.005	0.015	0.006			20:51:58	Yes
3	0.234	0.234	0.004	0.013	0.005			20:52:32	Yes
Mean:	0.248	0.248	0.004						
SD:	0.043	0.043	0.0007						
%RSD:	17.48	17.48	17.48						

==========

Sequence No.: 51 **Autosampler Location: 42**
Sample ID: K8882-22 **Date Collected: 11/9/2006 8:53:22 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-22

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored

1	0.083	0.083	0.001	-0.002	0.003		20:53:45	Yes
2	0.055	0.055	0.001	-0.005	0.002		20:54:19	Yes
3	0.021	0.021	0.000	-0.004	0.002		20:54:53	Yes
Mean:	0.053	0.053	0.001					
SD:	0.031	0.031	0.0005					
%RSD:	58.38	58.38	58.38					

Sequence No.: 52 **Autosampler Location: 43**
Sample ID: K8882-23 **Date Collected: 11/9/2006 8:55:43 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-23

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.096	0.096	0.001	0.010	0.003			20:56:06	Yes
2	0.026	0.026	0.000	0.008	0.002			20:56:40	Yes
3	0.053	0.053	0.001	0.005	0.002			20:57:14	Yes
Mean:	0.059	0.059	0.001						
SD:	0.035	0.035	0.0005						
%RSD:	60.34	60.34	60.34						

Sequence No.: 53 **Autosampler Location: 44**
Sample ID: K8882-24 **Date Collected: 11/9/2006 8:58:05 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-24

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.187	0.187	0.003	0.016	0.004			20:58:28	Yes
2	0.175	0.175	0.003	0.015	0.004			20:59:03	Yes
3	0.172	0.172	0.003	0.007	0.004			20:59:37	Yes
Mean:	0.178	0.178	0.003						
SD:	0.008	0.008	0.0001						
%RSD:	4.405	4.405	4.41						

Sequence No.: 54 **Autosampler Location: 45**
Sample ID: K8882-25 **Date Collected: 11/9/2006 9:00:28 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-25

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.123	0.123	0.002	0.010	0.003			21:00:51	Yes
2	0.095	0.095	0.001	0.011	0.003			21:01:25	Yes
3	0.097	0.097	0.002	-0.000	0.003			21:02:00	Yes
Mean:	0.105	0.105	0.002						
SD:	0.015	0.015	0.0002						
%RSD:	14.52	14.52	14.52						

Sequence No.: 55 **Autosampler Location: 46**
Sample ID: K8882-26 **Date Collected: 11/9/2006 9:02:51 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-26

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.168	0.168	0.003	0.014	0.004			21:03:15	Yes
2	0.125	0.125	0.002	0.009	0.003			21:03:49	Yes
3	0.138	0.138	0.002	0.013	0.004			21:04:23	Yes

Mean:	0.143	0.143	0.002
SD:	0.022	0.022	0.0003
%RSD:	15.36	15.36	15.36

==========

Sequence No.: 56 **Autosampler Location: 47**
Sample ID: K8882-27 **Date Collected: 11/9/2006 9:05:15 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-27

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.090	0.090	0.001	0.007	0.003			21:05:39	Yes
2	0.121	0.121	0.002	0.005	0.003			21:06:13	Yes
3	0.107	0.107	0.002	0.006	0.003			21:06:47	Yes
Mean:	0.106	0.106	0.002						
SD:	0.015	0.015	0.0002						
%RSD:	14.50	14.50	14.50						

==========

Sequence No.: 57 **Autosampler Location: 48**
Sample ID: K8882-28 **Date Collected: 11/9/2006 9:07:39 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-28

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.164	0.164	0.003	0.011	0.004			21:07:59	Yes
2	0.117	0.117	0.002	0.011	0.003			21:08:34	Yes
3	0.144	0.144	0.002	0.015	0.004			21:09:08	Yes
Mean:	0.142	0.142	0.002						
SD:	0.023	0.023	0.0004						
%RSD:	16.53	16.53	16.53						

==========

Sequence No.: 58 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/9/2006 9:09:57 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.88	10.88	0.168	0.656	0.169			21:10:19	Yes
2	10.87	10.87	0.167	0.649	0.169			21:10:54	Yes
3	11.23	11.23	0.173	0.666	0.175			21:11:28	Yes
Mean:	10.99	10.99	0.169						
SD:	0.208	0.208	0.0032						
%RSD:	1.890	1.890	1.89						

QC value within limits for Se 196.03 Recovery = 109.93%
All analyte(s) passed QC.

==========

Sequence No.: 59 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 9:12:19 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.142	0.142	0.002	0.011	0.004			21:12:40	Yes
2	0.115	0.115	0.002	0.014	0.003			21:13:15	Yes
3	0.083	0.083	0.001	0.008	0.003			21:13:49	Yes
Mean:	0.113	0.113	0.002						

SD:	0.030	0.030	0.0005
%RSD:	26.21	26.21	26.21

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 60 **Autosampler Location: 49**
Sample ID: K8882-29 **Date Collected: 11/9/2006 9:14:38 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-29

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.147	0.147	0.002	0.005	0.004			21:14:59	Yes
2	0.127	0.127	0.002	0.008	0.004			21:15:33	Yes
3	0.129	0.129	0.002	0.012	0.004			21:16:07	Yes
Mean:	0.134	0.134	0.002						
SD:	0.011	0.011	0.0002						
%RSD:	8.096	8.096	8.10						

==========

Sequence No.: 61 **Autosampler Location: 50**
Sample ID: K8882-29D **Date Collected: 11/9/2006 9:16:55 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-29D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.089	0.089	0.001	-0.003	0.003			21:17:16	Yes
2	0.080	0.080	0.001	0.009	0.003			21:17:50	Yes
3	0.168	0.168	0.003	0.001	0.004			21:18:25	Yes
Mean:	0.112	0.112	0.002						
SD:	0.048	0.048	0.0007						
%RSD:	43.19	43.19	43.19						

==========

Sequence No.: 62 **Autosampler Location: 51**
Sample ID: K8882-29S **Date Collected: 11/9/2006 9:19:13 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-29S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.560	4.560	0.070	0.263	0.072			21:19:34	Yes
2	4.509	4.509	0.069	0.327	0.071			21:20:09	Yes
3	4.301	4.301	0.066	0.177	0.068			21:20:43	Yes
Mean:	4.457	4.457	0.069						
SD:	0.137	0.137	0.0021						
%RSD:	3.084	3.084	3.08						

==========

Sequence No.: 63 **Autosampler Location: 52**
Sample ID: K8882-30 **Date Collected: 11/9/2006 9:21:33 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-30

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.038	0.038	0.001	0.001	0.002			21:21:53	Yes
2	0.055	0.055	0.001	-0.016	0.002			21:22:27	Yes
3	0.054	0.054	0.001	-0.010	0.002			21:23:02	Yes
Mean:	0.049	0.049	0.001						
SD:	0.010	0.010	0.0001						

%RSD:	19.53	19.53	19.53

Sequence No.: 64
Sample ID: PBS
Analyst:
Autosampler Location: 53
Date Collected: 11/9/2006 9:23:51 PM
Data Type: Original

Replicate Data: PBS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.023	0.023	0.000	-0.012	0.002			21:24:13	Yes
2	0.037	0.037	0.001	0.004	0.002			21:24:47	Yes
3	0.149	0.149	0.002	0.011	0.004			21:25:20	Yes
Mean:	0.070	0.070	0.001						
SD:	0.069	0.069	0.0011						
%RSD:	98.40	98.40	98.40						

Sequence No.: 65
Sample ID: LCSS
Analyst:
Autosampler Location: 54
Date Collected: 11/9/2006 9:26:09 PM
Data Type: Original

Replicate Data: LCSS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.298	4.298	0.066	0.244	0.068			21:26:31	Yes
2	4.437	4.437	0.068	0.263	0.070			21:27:05	Yes
3	4.286	4.286	0.066	0.247	0.068			21:27:39	Yes
Mean:	4.340	4.340	0.067						
SD:	0.084	0.084	0.0013						
%RSD:	1.930	1.930	1.93						

Sequence No.: 66
Sample ID: K8882-10
Analyst:
Autosampler Location: 55
Date Collected: 11/9/2006 9:28:30 PM
Data Type: Original

Replicate Data: K8882-10

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.593	0.593	0.009	0.049	0.011			21:28:51	Yes
2	0.543	0.543	0.008	0.034	0.010			21:29:25	Yes
3	0.611	0.611	0.009	0.045	0.011			21:29:59	Yes
Mean:	0.582	0.582	0.009						
SD:	0.035	0.035	0.0005						
%RSD:	6.065	6.065	6.06						

Sequence No.: 67
Sample ID: K8882-10D
Analyst:
Autosampler Location: 56
Date Collected: 11/9/2006 9:30:49 PM
Data Type: Original

Replicate Data: K8882-10D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.537	0.537	0.008	0.043	0.010			21:31:10	Yes
2	0.557	0.557	0.009	0.050	0.010			21:31:45	Yes
3	0.620	0.620	0.010	0.046	0.011			21:32:19	Yes
Mean:	0.571	0.571	0.009						
SD:	0.043	0.043	0.0007						
%RSD:	7.569	7.569	7.57						

Sequence No.: 68 **Autosampler Location: 57**
Sample ID: K8882-10S **Date Collected: 11/9/2006 9:33:09 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-10S

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.818	5.818	0.090	0.336	0.091			21:33:32	Yes
2	5.687	5.687	0.088	0.327	0.089			21:34:06	Yes
3	5.605	5.605	0.086	0.336	0.088			21:34:40	Yes
Mean:	5.703	5.703	0.088						
SD:	0.108	0.108	0.0017						
%RSD:	1.888	1.888	1.89						

Sequence No.: 69 **Autosampler Location: 58**
Sample ID: K8882-11 **Date Collected: 11/9/2006 9:35:31 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-11

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.634	0.634	0.010	0.043	0.011			21:35:54	Yes
2	2.220	2.220	0.034	0.405	0.036			21:36:28	Yes
Changing BOC									
3	0.975	0.975	0.015	0.028	0.017			21:37:02	Yes
Mean:	1.276	1.276	0.020						
SD:	0.835	0.835	0.0129						
%RSD:	65.43	65.43	65.43						
Changing BOC									

JB 11/9/06

Sequence No.: 70 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/9/2006 9:37:52 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.98	10.98	0.169	0.673	0.171			21:38:15	Yes
2	11.01	11.01	0.169	0.662	0.171			21:38:50	Yes
3	10.82	10.82	0.167	0.646	0.168			21:39:24	Yes
Mean:	10.94	10.94	0.168						
SD:	0.098	0.098	0.0015						
%RSD:	0.896	0.896	0.90						

QC value within limits for Se 196.03 Recovery = 109.36%
All analyte(s) passed QC.

Sequence No.: 71 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 9:40:15 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.238	0.238	0.004	0.028	0.005			21:40:36	Yes
2	0.189	0.189	0.003	0.015	0.004			21:41:10	Yes
3	0.030	0.030	0.000	0.005	0.002			21:41:45	Yes
Mean:	0.152	0.152	0.002						
SD:	0.109	0.109	0.0017						
%RSD:	71.63	71.63	71.63						

QC value within limits for Se 196.03 Recovery = Not calculated

All analyte(s) passed QC.

Sequence No.: 72 **Autosampler Location: 59**
Sample ID: K8882-12 **Date Collected: 11/9/2006 9:42:33 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-12

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.12	10.12	0.156	0.858	0.157			21:42:56	Yes
2	9.856	9.856	0.152	0.852	0.153			21:43:31	Yes
3	10.57	10.57	0.163	0.858	0.164			21:44:05	Yes
Mean:	10.18	10.18	0.157						
SD:	0.362	0.362	0.0056						
%RSD:	3.559	3.559	3.56						

Sequence No.: 73 **Autosampler Location: 60**
Sample ID: K8882-13 **Date Collected: 11/9/2006 9:44:56 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-13

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.227	5.227	0.081	0.412	0.082			21:45:19	Yes
2	5.147	5.147	0.079	0.386	0.081			21:45:53	Yes
3	5.489	5.489	0.085	0.398	0.086			21:46:27	Yes
Mean:	5.288	5.288	0.081						
SD:	0.179	0.179	0.0028						
%RSD:	3.384	3.384	3.38						

Sequence No.: 74 **Autosampler Location: 61**
Sample ID: K8882-14 **Date Collected: 11/9/2006 9:47:19 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-14

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.867	0.867	0.013	0.063	0.015			21:47:42	Yes
2	0.754	0.754	0.012	0.049	0.013			21:48:17	Yes
3	0.840	0.840	0.013	0.055	0.014			21:48:52	Yes
Mean:	0.820	0.820	0.013						
SD:	0.059	0.059	0.0009						
%RSD:	7.223	7.223	7.22						

Sequence No.: 75 **Autosampler Location: 62**
Sample ID: K8882-15 **Date Collected: 11/9/2006 9:49:44 PM**
Analyst: **Data Type: Original**

Replicate Data: K8882-15

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.844	0.844	0.013	0.050	0.015			21:50:07	Yes
2	1.049	1.049	0.016	0.070	0.018			21:50:41	Yes
3	0.852	0.852	0.013	0.061	0.015			21:51:16	Yes
Mean:	0.915	0.915	0.014						
SD:	0.117	0.117	0.0018						
%RSD:	12.73	12.73	12.73						

Sequence No.: 76
Sample ID: K8882-16
Analyst:

Autosampler Location: 63
Date Collected: 11/9/2006 9:52:08 PM
Data Type: Original

Replicate Data: K8882-16

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.808	0.808	0.012	0.055	0.014			21:52:28	Yes
2	0.829	0.829	0.013	0.054	0.014			21:53:02	Yes
3	0.770	0.770	0.012	0.050	0.013			21:53:36	Yes
Mean:	0.802	0.802	0.012						
SD:	0.030	0.030	0.0005						
%RSD:	3.749	3.749	3.75						

Sequence No.: 77
Sample ID: K8882-17
Analyst:

Autosampler Location: 64
Date Collected: 11/9/2006 9:54:25 PM
Data Type: Original

Replicate Data: K8882-17

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.136	1.136	0.017	0.080	0.019			21:54:45	Yes
2	1.182	1.182	0.018	0.084	0.020			21:55:20	Yes
3	1.091	1.091	0.017	0.059	0.018			21:55:54	Yes
Mean:	1.136	1.136	0.017						
SD:	0.046	0.046	0.0007						
%RSD:	4.021	4.021	4.02						

Sequence No.: 78
Sample ID: K8882-18
Analyst:

Autosampler Location: 65
Date Collected: 11/9/2006 9:56:43 PM
Data Type: Original

Replicate Data: K8882-18

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.946	0.946	0.015	0.062	0.016			21:57:03	Yes
2	0.951	0.951	0.015	0.065	0.016			21:57:38	Yes
3	5.053	5.053	0.078	0.614	0.079			21:58:12	Yes
Mean:	2.317	2.317	0.036						
SD:	2.369	2.369	0.0365						
%RSD:	102.3	102.3	102.27						

JB 11/9/06

Sequence No.: 79
Sample ID: K8882-31
Analyst:

Autosampler Location: 66
Date Collected: 11/9/2006 9:59:00 PM
Data Type: Original

Replicate Data: K8882-31

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.256	1.256	0.019	0.057	0.021			21:59:21	Yes
2	1.243	1.243	0.019	0.066	0.021			21:59:55	Yes
3	1.258	1.258	0.019	0.067	0.021			22:00:29	Yes
Mean:	1.252	1.252	0.019						
SD:	0.008	0.008	0.0001						
%RSD:	0.625	0.625	0.63						

Sequence No.: 80
Sample ID: PBS
Analyst:

Autosampler Location: 67
Date Collected: 11/9/2006 10:01:18 PM
Data Type: Original

Replicate Data: PBS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.173	0.173	0.003	0.016	0.004			22:01:39	Yes
2	0.271	0.271	0.004	0.014	0.006			22:02:13	Yes
3	0.154	0.154	0.002	0.012	0.004			22:02:47	Yes
Mean:	0.199	0.199	0.003						
SD:	0.062	0.062	0.0010						
%RSD:	31.34	31.34	31.34						

Sequence No.: 81 **Autosampler Location: 68**
Sample ID: LCSS **Date Collected: 11/9/2006 10:03:36 PM**
Analyst: **Data Type: Original**

Replicate Data: LCSS

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	4.707	4.707	0.072	0.284	0.074			22:03:57	Yes
2	4.657	4.657	0.072	0.281	0.073			22:04:32	Yes
3	4.637	4.637	0.071	0.279	0.073			22:05:06	Yes
Mean:	4.667	4.667	0.072						
SD:	0.036	0.036	0.0006						
%RSD:	0.778	0.778	0.78						

Sequence No.: 82 **Autosampler Location: 5**
Sample ID: CCV **Date Collected: 11/9/2006 10:05:56 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.67	10.67	0.164	0.685	0.166			22:06:19	Yes
2	10.93	10.93	0.168	0.680	0.170			22:06:53	Yes
3	10.73	10.73	0.165	0.676	0.167			22:07:27	Yes
Mean:	10.78	10.78	0.166						
SD:	0.135	0.135	0.0021						
%RSD:	1.253	1.253	1.25						

QC value within limits for Se 196.03 Recovery = 107.76%
All analyte(s) passed QC.

Sequence No.: 83 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 10:08:19 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.191	0.191	0.003	0.029	0.004			22:08:39	Yes
2	0.161	0.161	0.002	0.013	0.004			22:09:14	Yes
3	1.189	1.189	0.018	0.137	0.020			22:09:48	Yes
Mean:	0.514	0.514	0.008						
SD:	0.585	0.585	0.0090						
%RSD:	113.9	113.9	113.88						

QC value greater than the upper limit for Se 196.03 Recovery = Not calculated
QC Failed. Stop the analysis.
User canceled analysis.

JB 11/9/06

Analysis Begun

Sample gas was bumped which created false peak, reran.

Logged In Analyst: acqmet10 Technique: AA FIAS-Flame
Spectrometer Model: AAnalyst 200, S/N 200S5061701 Autosampler Model: AS-90

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061109-Se.sif
Batch ID: 061109-Se
Results Data Set: 061109-Se
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results.mdb

==========

Sequence No.: 83 Autosampler Location: 1
Sample ID: CCB Date Collected: 11/9/2006 10:10:53 PM
Analyst: Data Type: Original

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	-0.026	-0.026	-0.000	-0.005	0.001			22:11:14	Yes
2	0.050	0.050	0.001	0.004	0.002			22:11:49	Yes
3	0.031	0.031	0.000	-0.007	0.002			22:12:23	Yes
Mean:	0.018	0.018	0.000						
SD:	0.040	0.040	0.0006						
%RSD:	218.0	218.0	217.97						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

==========

Sequence No.: 84 Autosampler Location: 69
Sample ID: K8663-02 Date Collected: 11/9/2006 10:13:11 PM
Analyst: Data Type: Original

Replicate Data: K8663-02

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.536	0.536	0.008	0.047	0.010			22:13:33	Yes
2	0.563	0.563	0.009	0.033	0.010			22:14:07	Yes
3	0.501	0.501	0.008	0.024	0.009			22:14:41	Yes
Mean:	0.534	0.534	0.008						
SD:	0.031	0.031	0.0005						
%RSD:	5.853	5.853	5.85						

==========

Sequence No.: 85 Autosampler Location: 70
Sample ID: K8663-02D Date Collected: 11/9/2006 10:15:30 PM
Analyst: Data Type: Original

Replicate Data: K8663-02D

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.500	0.500	0.008	0.038	0.009			22:15:52	Yes
2	0.504	0.504	0.008	0.046	0.009			22:16:26	Yes
3	0.479	0.479	0.007	0.032	0.009			22:17:01	Yes
Mean:	0.495	0.495	0.008						
SD:	0.013	0.013	0.0002						
%RSD:	2.683	2.683	2.68						

==========

Sequence No.: 86 Autosampler Location: 71
Sample ID: K8663-02S Date Collected: 11/9/2006 10:17:50 PM
Analyst: Data Type: Original

Replicate Data: K8663-02S

Repl	SampleConc	StndConc	BlnkCorr	Peak	Peak	Bkgnd	Bkgnd	Time	Peak

#	ug/L	ug/L	Signal	Area	Height	Area	Height		Stored
1	4.978	4.978	0.077	0.305	0.078			22:18:12	Yes
2	4.924	4.924	0.076	0.294	0.077			22:18:47	Yes
3	5.076	5.076	0.078	0.308	0.080			22:19:21	Yes
Mean:	4.992	4.992	0.077						
SD:	0.077	0.077	0.0012						
%RSD:	1.546	1.546	1.55						

Sequence No.: 87 **Autosampler Location: 72**
Sample ID: K8663-09 **Date Collected: 11/9/2006 10:20:11 PM**
Analyst: **Data Type: Original**

Replicate Data: K8663-09

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.754	0.754	0.012	0.056	0.013			22:20:34	Yes
2	0.691	0.691	0.011	0.044	0.012			22:21:08	Yes
3	0.642	0.642	0.010	0.038	0.011			22:21:42	Yes
Mean:	0.696	0.696	0.011						
SD:	0.056	0.056	0.0009						
%RSD:	8.118	8.118	8.12						

Sequence No.: 88 **Autosampler Location: 73**
Sample ID: K8663-16 **Date Collected: 11/9/2006 10:22:33 PM**
Analyst: **Data Type: Original**

Replicate Data: K8663-16

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.414	0.414	0.006	0.027	0.008			22:22:55	Yes
2	0.435	0.435	0.007	0.029	0.008			22:23:29	Yes
3	0.428	0.428	0.007	0.036	0.008			22:24:04	Yes
Mean:	0.426	0.426	0.007						
SD:	0.011	0.011	0.0002						
%RSD:	2.552	2.552	2.55						

Sequence No.: 89 **Autosampler Location: 74**
Sample ID: ~~Sample074~~ **Date Collected: 11/9/2006 10:24:54 PM**
Analyst: LGW (K9025, K9325) JB 11/9/06 **Data Type: Original**

Replicate Data: Sample074

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	5.786	5.786	0.089	0.340	0.091			22:25:17	Yes
2	5.794	5.794	0.089	0.331	0.091			22:25:51	Yes
3	5.724	5.724	0.088	0.320	0.090			22:26:25	Yes
Mean:	5.768	5.768	0.089						
SD:	0.038	0.038	0.0006						
%RSD:	0.658	0.658	0.66						

Sequence No.: 90 **Autosampler Location: 75**
Sample ID: ~~Sample075~~ **Date Collected: 11/9/2006 10:27:16 PM**
Analyst: K9025-11 JB 11/9/06 **Data Type: Original**

Replicate Data: Sample075

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.174	0.174	0.003	0.010	0.004			22:27:39	Yes
2	1.714	1.714	0.026	0.209	0.028			22:28:14	Yes

3	0.152	0.152	0.002	-0.001	0.004		22:28:48	Yes
Mean:	0.680	0.680	0.010					
SD:	0.896	0.896	0.0138					
%RSD:	131.7	131.7	131.75					

Sequence No.: 91
Sample ID: ~~Sample076~~
Analyst: K8882-11 JB 11/9/06

Autosampler Location: 76
Date Collected: 11/9/2006 10:29:39 PM
Data Type: Original

Replicate Data: Sample076

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.906	0.906	0.014	0.051	0.016			22:30:03	Yes
2	1.146	1.146	0.018	0.155	0.019			22:30:37	Yes
3	1.118	1.118	0.017	0.069	0.019			22:31:11	Yes
Mean:	1.057	1.057	0.016						
SD:	0.131	0.131	0.0020						
%RSD:	12.43	12.43	12.43						

Sequence No.: 92
Sample ID: ~~Sample077~~
Analyst: K8882-18 JB 11/9/06

Autosampler Location: 77
Date Collected: 11/9/2006 10:32:03 PM
Data Type: Original

Replicate Data: Sample077

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	1.264	1.264	0.019	0.072	0.021			22:32:26	Yes
2	1.114	1.114	0.017	0.067	0.019			22:33:01	Yes
3	1.110	1.110	0.017	0.076	0.019			22:33:35	Yes
Mean:	1.163	1.163	0.018						
SD:	0.088	0.088	0.0013						
%RSD:	7.540	7.540	7.54						

Sequence No.: 93
Sample ID: ~~Sample078~~
Analyst: LCSS K8663 JB 11/9/06

Autosampler Location: 78
Date Collected: 11/9/2006 10:34:27 PM
Data Type: Original

Replicate Data: Sample078

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	3.806	3.806	0.059	0.227	0.060			22:34:47	Yes
2	4.066	4.066	0.063	0.229	0.064			22:35:22	Yes
3	3.970	3.970	0.061	0.236	0.063			22:35:56	Yes
Mean:	3.947	3.947	0.061						
SD:	0.132	0.132	0.0020						
%RSD:	3.339	3.339	3.34						

Sequence No.: 94
Sample ID: CCV
Analyst:

Autosampler Location: 5
Date Collected: 11/9/2006 10:36:44 PM
Data Type: Original

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.59	10.59	0.163	0.686	0.165			22:37:07	Yes
2	10.87	10.87	0.167	0.681	0.169			22:37:41	Yes
3	10.85	10.85	0.167	0.672	0.169			22:38:15	Yes
Mean:	10.77	10.77	0.166						
SD:	0.159	0.159	0.0025						

%RSD: 1.480 1.480 1.48
QC value within limits for Se 196.03 Recovery = 107.72%
All analyte(s) passed QC.

==========

Sequence No.: 95 **Autosampler Location: 1**
Sample ID: CCB **Date Collected: 11/9/2006 10:39:06 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.094	0.094	0.001	0.014	0.003			22:39:27	Yes
2	0.143	0.143	0.002	0.002	0.004			22:40:01	Yes
3	0.034	0.034	0.001	0.001	0.002			22:40:36	Yes
Mean:	0.090	0.090	0.001						
SD:	0.055	0.055	0.0008						
%RSD:	60.74	60.74	60.74						

QC value within limits for Se 196.03 Recovery = Not calculated
All analyte(s) passed QC.

==========

Analysis Begun

Logged In Analyst: acqmet10 **Technique: AA FIAS-Flame**
Spectrometer Model: AAnalyst 200, S/N 200S5061701 **Autosampler Model: AS-90**

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061109-Se.sif
Batch ID: 061109-Se
Results Data Set: 061109-Se
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results.mdb

==========

Sequence No.: 1 **Autosampler Location: 7**
Sample ID: ICV **Date Collected: 11/9/2006 10:42:57 PM**
Analyst: **Data Type: Original**
User canceled analysis.

==========

Analysis Begun

Logged In Analyst: acqmet10 **Technique: AA FIAS-Flame**
Spectrometer Model: AAnalyst 200, S/N 200S5061701 **Autosampler Model: AS-90**

Sample Information File: C:\data-AA\ACQMET10\Sample Information\061109-Se.sif
Batch ID: 061109-Se
Results Data Set: 061109-Se
Results Library: R:\ICP\WIP\DATA\K-FLAA-02\Results.mdb

==========

Sequence No.: 93 **Autosampler Location:**
Sample ID: K9025-11 **Date Collected: 11/9/2006 10:43:39 PM**
Analyst: **Data Type: Original**
User canceled analysis.

==========

Sequence No.: 94 **Autosampler Location:**
Sample ID: K9025-11 **Date Collected: 11/9/2006 10:44:22 PM**
Analyst: **Data Type: Original**

Replicate Data: K9025-11

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.014	0.014	0.000	-0.018	0.002			22:44:38	Yes
2	0.135	0.135	0.002	-0.007	0.004			22:45:13	Yes

3	0.068	0.068	0.001	-0.001	0.003		22:45:47	Yes
Mean:	0.072	0.072	0.001					
SD:	0.061	0.061	0.0009					
%RSD:	84.39	84.39	84.39					

==========

Sequence No.: 95 **Autosampler Location:**
Sample ID: CCV **Date Collected: 11/9/2006 10:47:48 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	11.36	11.36	0.175	0.696	0.177			22:48:04	Yes
2	10.86	10.86	0.167	0.666	0.169			22:48:38	Yes
3	10.78	10.78	0.166	0.674	0.168			22:49:12	Yes
Mean:	11.00	11.00	0.169						
SD:	0.318	0.318	0.0049						
%RSD:	2.891	2.891	2.89						

==========

Sequence No.: 96 **Autosampler Location:**
Sample ID: CCV **Date Collected: 11/9/2006 10:50:36 PM**
Analyst: **Data Type: Original**

Replicate Data: CCV

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	10.83	10.83	0.167	0.690	0.168			22:50:53	Yes
2	10.93	10.93	0.168	0.689	0.170			22:51:26	Yes
3	10.82	10.82	0.167	0.686	0.168			22:52:00	Yes
Mean:	10.86	10.86	0.167						
SD:	0.058	0.058	0.0009						
%RSD:	0.533	0.533	0.53						

==========

Sequence No.: 97 **Autosampler Location:**
Sample ID: CCB **Date Collected: 11/9/2006 10:53:35 PM**
Analyst: **Data Type: Original**

Replicate Data: CCB

Repl #	SampleConc ug/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Bkgnd Area	Bkgnd Height	Time	Peak Stored
1	0.138	0.138	0.002	0.018	0.004			22:53:51	Yes
2	-0.017	-0.017	-0.000	-0.007	0.001			22:54:25	Yes
3	0.041	0.041	0.001	0.006	0.002			22:54:59	Yes
Mean:	0.054	0.054	0.001						
SD:	0.079	0.079	0.0012						
%RSD:	145.4	145.4	145.41						

Atomic Absorption Data Review Form

Element: Hg

Analysis Lot #: 68837

Cal. STD/CCV Source: HG1-53-L

Service Request Numbers:

K8882 K8660 K8551 K8939
K8794

	Yes	No	NA
1) Appropriate standardization completed	✓		
2) ICV within 10% of true value	✓		
3) CCVs in control	✓		
4) CCBs and or ICBs below MRL	✓		
5) All reported samples within calibration range	✓		
6) Calculations correct	✓		

Comments:

Primary Reviewed By: Patterson Date: 10-24-06

Secondary Reviewed By: [illegible] Date: 10/31/06

COLUMBIA ANALYTICAL SERVICES, INC.
ANALYTICAL WORKSHEET

PRINTOUT WITH:_____

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)	
1	ICV	—	—	—	5.17		103%	
2	ICB	—	—	—	-0.02		<0.2	
3	CCV1	—	—	—	5.16		103%	
4	CCB1	—	—	—	-0.02		<0.2	
5	CRA	—	—	—	0.19		0.19	95%
6	PBS (39448/39433)	—	100ml	—	0.00		<0.2	
7	LCSS	0.507		—	9.06	1.79		101%
8	BlankSpike	—		—	5.36		5.4	107%
9	K0608882-001	1.145		—	0.60	0.05		
10	-002	1.043		—	0.88	0.08		x̄=0.085
11	-002d	1.037		—	0.92	0.09		RPD=12%
12	-002S	1.025		—	6.22	0.61		108%
13	-003	1.022		—	1.05	0.10		
14	-004	1.036		—	0.11	<0.02		
15	CCV2	—	—	—	5.17		103%	
16	CCB2	—	—	—	-0.03		<0.2	
17	K0608882-014	1.059	100ml	—	0.24	0.02		
18	-015	1.017		—	0.37	0.04		
19	-016	1.054		—	0.09	<0.02		
20	-017	1.101		—	0.52	0.05		
21	-018	1.010		—	0.45	0.04		
22	-020	1.042		—	0.75	0.07		
23	-031	1.003		—	0.14	<0.02		
24	-032	1.108		—	2.69	0.24		
25	K0608660-001	1.013		—	0.13	<0.02		

Comments: Reporting Levels:

Waters - 0.2 µg/L — TIME STARTED:

Soil - 0.02 mg/kg

TCLP - 1 µg/L

Water Spike Level : 1.0 µg/L

Soil Spike Level : 5.0 µg/L = 0.49 mg/kg

TCLP Spike Level : 5.0 µg/L

Analyst:	Date:	Page Number:
L Patterson	10-24-06	1 of

[HGFORM] HG1.XLS

COLUMBIA ANALYTICAL SERVICES, INC.
ANALYTICAL WORKSHEET

PRINTOUT WITH:_____

Method: (Circle One) 7470A (7471A) 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)	
1	K0608660-001d	1.029	100ml	—	0.14	<0.02		$\bar{x}$=ND RPD=—
2	CCV3	—	—	—	5.27		105%	
3	CCB3	— 9 10-24-06		—	-0.01		<0.2	
4	K0608660-001S	~~1.013~~ 1.020	100ml	—	5.44	0.53		108%
5	↓ -002	1.025		—	0.27	0.03		
6	K0608939-001	1.027		—	0.20	<0.02		
7	K0608551-001	1.014		—	0.39	0.04		
8	-002	1.020		—	0.28	0.03		
9	↓ -003	1.015		—	0.38	0.04		
10	K0608794-001	9.269		—	2.10	0.02		$\bar{x}$=0.025 RPD=40%
11	-001d	9.254		—	2.33	0.03		
12	↓ -001S	9.316		—	6.01	0.06		80%
13	HNO3 Lot C28025	—	↓	—	-0.01	~~<0.02~~ 9 10-24-06	<0.2	
14	CCV4	—	—	—	5.35		107%	
15	CCB4	—	—	—	-0.02		<0.2	
16								
17								
18								
19								
20								
21								
22								
23								
24								
25								

Comments: Reporting Levels:
Waters - 0.2 µg/L
Soil - 0.02 mg/kg
TCLP - 1 µg/L

TIME STARTED:

(*) K 8794-001s @ 0.05 mg/Kg (biosolid)

Water Spike Level : 1.0 µg/L
Soil Spike Level : 5.0 µg/L = 0.49 mg/kg K8660-001s
TCLP Spike Level : 5.0 µg/L

Analyst:	Date:	Page Number:
Patterson	10-24-06	2 of 2

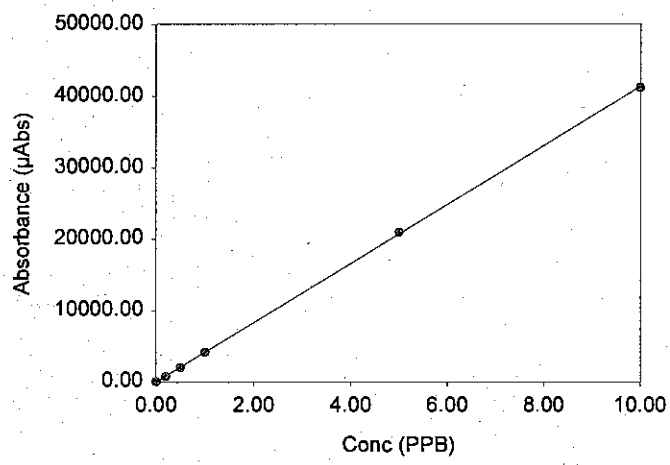
[HGFORM] HG1.XLS

CETAC Hg Analysis Report - 06102401.DB - Tuesday, October 24, 2006, 6:51:43 PM

Analyst S. Patterson
Date Started Tuesday, October 24, 2006, 16:51:42
Worksheet Hg 10/24/06 Run 2
Comment 68837

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	24-Oct-2006, 16:51	0.00	20.90	57.80	60	73	52	45	
Standard #1	24-Oct-2006, 16:53	0.20	1.55	787.00	785	771	793	799	
Standard #2	24-Oct-2006, 16:55	0.50	0.13	2020.00	2024	2018	2023	2020	
Standard #3	24-Oct-2006, 16:57	1.00	1.21	4150.00	4079	4160	4187	4181	
Standard #4	24-Oct-2006, 16:58	5.00	1.46	21000.00	20642	20844	21145	21330	
Standard #5	24-Oct-2006, 17:00	10.00	0.33	41200.00	41165	41134	41411	41127	

Calibration Data



Int.	0.000
Slope	4136.207
Correlation	0.99995

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICV	24-Oct-2006, 17:02	5.17	0.87	21400.00	21188	21280	21475	21600	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICB	24-Oct-2006, 17:04	-0.02	28.70	-81.50	-76	-93	-106	-52	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV1	24-Oct-2006, 17:05	5.16	0.62	21300.00	21206	21252	21402	21491	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB1	24-Oct-2006, 17:07	-0.02	21.90	-64.00	-46	-77	-60	-73	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CRA	24-Oct-2006, 17:09	0.19	2.07	802.00	783	796	809	821	
PBS (39448/39433)	24-Oct-2006, 17:11	0.00	3640.00	0.28	9	8	-5	-11	
LCSS (39448/39433)	24-Oct-2006, 17:12	9.06	0.57	37500.00	37221	37411	37635	37682	
BLANK SPIKE	24-Oct-2006, 17:15	5.36	1.00	22200.00	21913	22040	22312	22383	
K0608882-001	24-Oct-2006, 17:17	0.60	0.79	2490.00	2520	2481	2476	2489	
K0608882-002	24-Oct-2006, 17:19	0.88	1.32	3650.00	3576	3667	3677	3670	
K0608882-002D	24-Oct-2006, 17:20	0.92	1.80	3810.00	3725	3797	3846	3885	
K0608882-002S	24-Oct-2006, 17:22	6.22	2.41	25700.00	24857	25755	26180	26162	
K0608882-003	24-Oct-2006, 17:24	1.05	1.42	4330.00	4248	4310	4369	4383	
K0608882-004	24-Oct-2006, 17:26	0.11	4.88	447.00	447	441	476	424	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV2	24-Oct-2006, 17:27	5.17	0.87	21400.00	21153	21372	21513	21568	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB2	24-Oct-2006, 17:29	-0.03	1.35	-120.00	-121	-122	-121	-118	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608882-014	24-Oct-2006, 17:31	0.24	1.89	1010.00	985	996	1024	1022	
K0608882-015	24-Oct-2006, 17:33	0.37	0.58	1540.00	1537	1542	1558	1542	
K0608882-016	24-Oct-2006, 17:34	0.09	3.50	364.00	346	364	368	376	
K0608882-017	24-Oct-2006, 17:36	0.52	0.59	2140.00	2128	2135	2131	2156	
K0608882-018	24-Oct-2006, 17:38	0.45	5.09	1870.00	1742	1852	1925	1957	
K0608882-020	24-Oct-2006, 17:40	0.75	0.59	3100.00	3077	3119	3107	3089	
K0608882-031	24-Oct-2006, 17:42	0.14	2.28	569.00	561	563	562	588	
K0608882-032	24-Oct-2006, 17:43	2.69	0.40	11100.00	11069	11089	11171	11104	

CETAC Hg Analysis Report - 06102401.DB - Tuesday, October 24, 2006, 6:51:44 PM

Analyst	S. Patterson
Date Started	Tuesday, October 24, 2006, 17:45:43
Worksheet	Hg 10/24/06 Run 2
Comment	68837

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608660-001	24-Oct-2006, 17:45	0.13	1.17	558.00	560	563	548	559	
K0608660-001D	24-Oct-2006, 17:47	0.14	1.19	598.00	601	591	594	607	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
~~CCV3~~	~~24-Oct-2006, 17:49~~	~~0.07~~	~~14.10~~	~~289.00~~	~~252~~	~~257~~	~~311~~	~~335~~	~~Q~~ empty tube SP 10-25-06
CCV3	24-Oct-2006, 17:54	5.27	0.75	21800.00	21546	21804	21901	21878	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB3	24-Oct-2006, 17:56	-0.01	27.90	-52.20	-54	-53	-69	-33	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608660-001S	24-Oct-2006, 17:58	5.44	0.32	22500.00	22399	22526	22569	22477	
K0608660-002	24-Oct-2006, 18:00	0.27	2.69	1130.00	1088	1137	1155	1148	
K0608939-001	24-Oct-2006, 18:02	0.20	3.34	829.00	792	828	840	858	
K0608551-001	24-Oct-2006, 18:03	0.39	15.50	1610.00	1279	1578	1749	1848	
K0608551-002	24-Oct-2006, 18:05	0.28	1.75	1170.00	1144	1159	1191	1175	
K0608551-003	24-Oct-2006, 18:07	0.38	4.44	1560.00	1464	1559	1616	1606	
K0608794-001	24-Oct-2006, 18:09	2.10	0.69	8680.00	8661	8632	8672	8770	
K0608794-001D	24-Oct-2006, 18:11	2.33	0.38	9630.00	9601	9593	9644	9670	
K0608794-001S	24-Oct-2006, 18:12	6.01	8.07	24800.00	22048	24712	26296	26302	
HNO3 LOT# C28025	24-Oct-2006, 18:14	-0.01	18.40	-57.40	-56	-46	-57	-71	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV4	24-Oct-2006, 18:16	5.35	1.19	22100.00	21840	22014	22374	22358	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB4	24-Oct-2006, 18:18	-0.02	22.00	-95.80	-70	-89	-119	-105	

Columbia Analytical Services

EPA METHOD 7471A

Prep Run: 39448 + 39433

Service Request Number(s) :	K8882, K8660, K8551, K8939, K8794

pg 1 of 2

Sample	Wet Weight (g)	% Solids	Dry Weight (g)	Final Volume (mL)
PBS	0.907	—	←	100 ml
LCSS	0.507	—	0.507	
BlankSpike	—	—	—	
K0608882-001	1.517	75.5	1.145	
-002d	1.382	75.5	1.043	
-002S	1.374		1.037	
-002	1.358		1.025	
-003	1.409	72.5	1.022	
-004	1.362	76.1	1.036	
-014	1.351	78.4	1.059	
-015	1.257	80.9	1.017	
-016	1.514	69.6	1.054	
-017	1.573	70.0	1.101	
-018	1.306	77.3	1.010	
-020	1.360	76.6	1.042	
-031	1.341	74.8	1.003	
-032	1.450	76.4	1.108	
K0608660-001	1.102	91.9	1.013	
-001d	1.120		1.029	
-001S	1.110		1.020	
-002	1.211	10-23-06 84.6	1.025	
K0608551-001	1.090	93.0	1.014	
-002	1.085	94.0	1.020	
-003	1.093	92.9	1.015	
K0608939-001	1.110	92.5	1.027	
Std. 0.2	0.2 * mL			100
Std. 0.5	0.5 * mL			100
Std. 1.0	1.0 * mL			100
Std. 5.0	5.0 * mL			100
Std. 10.0	10.0 * mL			100
ICV	0.5 ** mL			100

Lot # of Reagents Used:

HNO3: C28025 **K2S2O8: T44H13** **NaCl : B06585**

H2SO4: 46023 **KMnO4: B40610** **NH2OH-HCL: B45634**

HCL: 46109 **SnCl2: C05608**

LCSS = **ERA CLP Soil Lot # D045540** **Other:** Water bath @ 95°C

LCSW= 0.5ml **ICV Intermediate stock solution.**

*** Source Standard:** HG1-53-L **100 ppb**

**** Source Standard: ICV** HG1-53-E **1000 ppb** **TIME STARTED:**

Comments: 0.5 ml 1000 ppb soil std to spike (HG1-53-E)

Analyst: J Patterson **Date:** 10-23-06

[HGFORM] 7471

Columbia Analytical Services

EPA METHOD 7471A

pg 2 of 2

Service Request Number(s) :

Sample	Wet Weight (g)	% Solids	Dry Weight (g)	Final Volume (mL)
* K0608794-001	9.269		No solids	100 ml
-001d	9.254			
-001S	9.316		SP 10-23-06	
			SP	10-23-06
Std. 0.2	0.2 * mL			100
Std. 0.5	0.5 * mL			100
Std. 1.0	1.0 * mL			100
Std. 5.0	5.0 * mL			100
Std. 10.0	10.0 * mL			100
ICV	0.5 ** mL			100

Lot # of Reagents Used:

HNO3: C28025 **K2S2O8: T44H13** **NaCl : B06585**

H2SO4: 46023 **KMnO4: B40610** **NH2OH-HCL: B45634**

HCL: 46109 **SnCl2: C05608**

LCSS = **ERA CLP Soil Lot # D045540** **Other:** _____

LCSW= **ICV Intermediate stock solution.**

*** Source Standard:** HG1-53-L **100 ppb**

**** Source Standard: ICV** HG1-53-D **2000 ppb** E SP 10-23-06 **TIME STARTED:**

Comments:

* Weighed 10 ml

Analyst: [signature] **Date:** 10-23-06

[HGFORM] 7471

Service Request # 8882 SEM + total
Instrument ID# K-ICP-AES-02

ICP-OES Data Review Form

	Yes	No
1. Standardization completed	✓	
2. ICV within 10 % of true value	✓	
3. ICB below MRL	✓	
4. CRI standard analyzed.	✓	
5. ICS standards within 20% of true value	✓	
6. All preceding CCVs within 10 % of true value	✓	
7. Following CCV within 10 % of true value	✓	
8. Bracketing CCBs below MRL	✓	
9. Method Blank below MRL	✓	
10. MS-MSD or Dup-MS and LCS within CAS control limits	✓	
11. All analytes within instrument linear range	✓	
12. Adequate rinse out time allowed between samples to eliminate memory effect	✓	

Comments:
No Mn by 200.7
No Sb by either 6010B or 200.7

Primary Review by [illegible] Date 11/6/6

Secondary Review by [illegible] Date 11/6/06

Method: INTSTD6C Sample Name: Blank Operator:
Comment:
Run Time: 11/06/06 09:34 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Line	237.312 {141}	206.833 {162}	189.042 {177}	233.527 {144}	313.042 {107}	249.773 {134}
Avg	.4222	.1301	.0235	-.0008	.0000	-.1454
Stddev	.0293	.0391	.0157	.0001	.000	.0763
%RSD	6.931	30.07	66.57	7.846	1020.	52.51
#1	.4016	.1025	.0346	-.0009	.0000	-.0914
#2	.4429	.1578	.0125	-.0008	-.0001	-.1993

Elem	Cd2265	Ca3179	Ca3181	Cr2677	Co2286	Cu3247
Line	226.502 {148}	317.933 {105}	318.128 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	.0001	.0000	.0000	-.0004	-.0001	.1399
Stddev	.0000	.0000	.000	.0001	.0000	.1313
%RSD	27.54	141.5	684.9	14.10	39.97	93.89
#1	.0001	.0000	.0001	-.0004	.0000	.2327
#2	.0001	.0000	-.0002	-.0004	-.0001	.0470

Elem	Fe2599	Fe2714	Pb2203	Mg2025	Mg2852	Mn2576
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}	285.213 {117}	257.610 {131}
Avg	-.0001	.0002	.0003	.2160	.0194	.0011
Stddev	.0001	.0001	.0000	.0313	.0039	.0001
%RSD	251.2	37.48	7.108	14.48	20.06	12.39
#1	.0000	.0002	.0003	.1939	.0166	.0012
#2	-.0001	.0001	.0002	.2381	.0221	.0010

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Line	202.030 {166}	231.604 {145}	766.490 { 44}	196.090 {171}	328.068 {102}	589.592 { 57}
Avg	.0000	-.0004	.5589	-.0305	-.1578	-.0007
Stddev	.0002	.0001	.1401	.0078	.0237	.0002
%RSD	466.6	25.51	25.07	25.69	15.03	24.76
#1	.0002	-.0003	.4599	-.0249	-.1745	-.0006
#2	-.0001	-.0005	.6580	-.0360	-.1410	-.0008

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	178.287 {188}	251.612 {134}	323.452 {104}
Avg	-.0001	.0048	.0005	.3122	.1398	.0049
Stddev	.0000	.0002	.0002	.0048	.0372	.0000
%RSD	28.74	4.162	33.00	1.543	26.58	.7985
#1	-.0001	.0049	.0006	.3088	.1135	.0049
#2	-.0001	.0046	.0004	.3156	.1661	.0049

Elem	Tl1908	Li6707	Sr4077	S_1820
Line	190.864 {176}	670.784 { 50}	407.771 { 82}	182.034 {184}
Avg	-.0002	.5394	-.0010	.6590
Stddev	.0001	.4376	.0002	.0214
%RSD	38.67	81.13	18.34	3.243
#1	-.0001	.2299	-.0009	.6439
#2	-.0002	.8488	-.0012	.6741

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	344.82
Stddev	1.57
%RSD	.45503
#1	343.71
#2	345.93

11/6/6

Method: INTSTD6C Sample Name: STDA Operator:
Comment: ICP3-70-C
Run Time: 11/06/06 09:37 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Sb2068	As1890	B_2497	Cd2265	Ca3179	Cr2677
Line	206.833 {162}	189.042 {177}	249.773 {134}	226.502 {148}	317.933 {105}	267.716 {125}
Avg	3.109	3.073	31.41	.2456	.0493	.0717
Stddev	.027	.056	.09	.0010	.0004	.0002
%RSD	.8823	1.818	.2932	.4221	.7933	.2601
#1	3.090	3.033	31.35	.2449	.0490	.0715
#2	3.129	3.112	31.48	.2464	.0496	.0718

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2852	Mn2576
Line	228.616 {147}	324.754 {103}	259.940 {129}	220.353 {152}	285.213 {117}	257.610 {131}
Avg	.1270	21.92	.2196	.0168	83.19	.8193
Stddev	.0006	.24	.0006	.0003	.49	.0014
%RSD	.4344	1.116	.2581	1.979	.5862	.1664
#1	.1266	21.75	.2192	.0166	82.84	.8203
#2	.1274	22.09	.2200	.0170	83.53	.8183

Elem	Mo2020	Ni2316	Se1960	Ag3280	Sn1899	V_3102
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}	189.989 {176}	310.230 {108}
Avg	.0447	.1174	2.590	24.24	.0151	.1132
Stddev	.0002	.0003	.041	.14	.0001	.0014
%RSD	.4132	.2889	1.589	.5897	.5250	1.234
#1	.0446	.1172	2.561	24.14	.0152	.1123
#2	.0448	.1177	2.619	24.35	.0151	.1142

Elem	Zn2062	Ti3234	Tl1908
Line	206.200 {163}	323.452 {104}	190.864 {176}
Avg	.1706	.1310	.0059
Stddev	.0007	.0010	.0002
%RSD	.4374	.7396	2.799
#1	.1701	.1303	.0060
#2	.1712	.1317	.0058

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	359.51
Stddev	1.22
%RSD	.34001
#1	360.37
#2	358.64

Method: INTSTD6C Sample Name: STDB Operator:
Comment: ICP3-75-A
Run Time: 11/06/06 09:41 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Ba2335	Be3130	Ca3181	Fe2714	Mg2025
Line	237.312 {141}	233.527 {144}	313.042 {107}	318.128 {105}	271.441 {124}	202.582 {166}
Avg	13.35	1.906	.3775	.3071	.4782	44.58
Stddev	.06	.009	.0005	.0001	.0022	.03
%RSD	.4271	.4825	.1452	.0383	.4680	.0646
#1	13.39	1.912	.3771	.3072	.4798	44.56
#2	13.31	1.899	.3779	.3070	.4766	44.60

Elem	K_7664	Na5895	P_1782	Si2516	Li6707	Sr4077
Line	766.490 { 44}	589.592 { 57}	178.287 {188}	251.612 {134}	670.784 { 50}	407.771 { 82}
Avg	154.6	1.603	8.476	86.26	209.2	4.522
Stddev	.8	.002	.061	.02	1.7	.012
%RSD	.5276	.0960	.7153	.0259	.8205	.2567
#1	154.0	1.604	8.433	86.24	207.9	4.514
#2	155.2	1.602	8.519	86.27	210.4	4.530

Elem	S_1820
Line	182.034 {184}
Avg	17.52
Stddev	.14
%RSD	.8153
#1	17.42
#2	17.62

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	355.77
Stddev	2.14
%RSD	.60023
#1	354.26
#2	357.28

Method: INTSTD6C Sample Name: ICV Operator: WM
Comment: 70103 ICP3-73-F
Run Time: 11/06/06 09:46 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.884	2.524	2.448	4.951	.1270	-.0030	1.241
Stddev	.009	.009	.005	.027	.0001	.0008	.000
%RSD	.1848	.3376	.2248	.5434	.0428	27.28	.0260
#1	4.877	2.530	2.452	4.932	.1270	-.0024	1.241
#2	4.890	2.518	2.444	4.970	.1269	-.0035	1.241
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None	QC Pass
Value	5.000	2.500	2.500	5.000	.1250		1.250
Range	5.000%	5.000%	5.000%	5.000%	5.000%		5.000%

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.51	.4963	1.232	.6258	2.495	2.482	12.09
Stddev	.07	.0011	.002	.0003	.002	.014	.00
%RSD	.5973	.2205	.1835	.0413	.0743	.5734	.0270
#1	12.56	.4955	1.230	.6256	2.494	2.472	12.10
#2	12.46	.4970	1.234	.6259	2.496	2.492	12.09
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	12.50	.5000	1.250	.6250	2.500	2.500	12.50
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.224	2.043	1.227	12.73	2.442	.6152	12.47
Stddev	.003	.002	.001	.06	.025	.0011	.07
%RSD	.2225	.0757	.0823	.4526	1.039	.1831	.5307
#1	1.226	2.042	1.227	12.77	2.425	.6160	12.51
#2	1.222	2.044	1.226	12.68	2.460	.6144	12.42
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.250	2.000	1.250	12.50	2.500	.6250	12.50
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0140	1.238	1.227	.1343	.0308	2.056	2.458
Stddev	.0029	.002	.003	.0168	.0079	.001	.017
%RSD	20.46	.1221	.2162	12.51	25.60	.0556	.6743
#1	.0161	1.237	1.226	.1224	.0364	2.055	2.470
#2	.0120	1.239	1.229	.1462	.0252	2.057	2.447
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		1.250	1.250			2.000	2.500
Range		5.000%	5.000%			5.000%	5.000%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0011	.0054	.3641
Stddev	.0006	.0001	.0157
%RSD	54.72	1.973	4.307
#1	-.0016	.0054	.3530
#2	-.0007	.0055	.3752
Check ?	None	None	None
Value			
Range			

Sample Name: ICV Run Time: 11/06/06 09:46

Int. Std.	Sc3572
Units	Cts/S
Avg	358.44
Stddev	.58
%RSD	.16263
#1	358.03
#2	358.85

Method: INTSTD6C Sample Name: ICV2 Operator: WM
Comment: 70103 ICP3-69-D
Run Time: 11/06/06 09:49 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0179	-.0202	-.0054	.0003	.0000	-.0548	.0007
Stddev	.0471	.0104	.0138	.0002	.000	.0036	.0002
%RSD	262.9	51.70	257.3	50.52	65.05	6.516	26.66
#1	-.0512	-.0276	-.0152	.0004	.0000	-.0522	.0009
#2	.0154	-.0128	.0044	.0002	-.0001	-.0573	.0006
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.015	.0011	.0013	-.0111	25.73	-.0103	25.02
Stddev	.001	.0036	.0012	.0047	.03	.0033	.12
%RSD	.0114	327.4	95.09	42.07	.1282	32.37	.4882
#1	5.015	.0036	.0004	-.0144	25.75	-.0127	24.94
#2	5.014	-.0014	.0022	-.0078	25.70	-.0079	25.11
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	5.000				25.00		25.00
Range	5.000%				5.000%		5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0048	-.0012	-.0011	-.0249	.0081	.0034
Stddev	.0001	.0039	.0007	.0467	.0351	.0047	.0020
%RSD	26.08	80.48	61.87	4083.	141.4	58.34	58.41
#1	.0006	.0075	-.0017	.0319	.0000	.0114	.0020
#2	.0004	.0021	-.0006	-.0342	-.0497	.0048	.0049
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0072	-.0044	.0005	-.0159	.0075	.0019	-.0251
Stddev	.0005	.0003	.0000	.0054	.0046	.0009	.0083
%RSD	7.373	6.193	1.455	34.11	61.45	50.01	33.04
#1	-.0068	-.0042	.0005	-.0198	.0108	.0026	-.0309
#2	-.0076	-.0046	.0005	-.0121	.0043	.0012	-.0192
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0013	.0022	4.781
Stddev	.0012	.0000	.008
%RSD	89.14	1.529	.1727
#1	.0005	.0022	4.787
#2	.0022	.0022	4.775
Check ?	None	None	QC Pass
Value			5.000
Range			5.000%

Sample Name: ICV2 Run Time: 11/06/06 09:49

Int. Std.	Sc3572
Units	Cts/S
Avg	353.74
Stddev	.58
%RSD	.16435
#1	353.33
#2	354.16

Method: INTSTD6C Sample Name: ICV3 Operator: WM
Comment: 70103 ICP3-70-G
Run Time: 11/06/06 09:52 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0093	-.0125	-.0077	.0003	.0000	4.891	-.0004
Stddev	.0064	.0061	.0064	.0001	.0001	.019	.0007
%RSD	68.56	48.84	83.25	38.16	1963.	.3969	194.5
#1	-.0048	-.0082	-.0032	.0002	.0001	4.877	-.0009
#2	-.0138	-.0168	-.0123	.0003	-.0001	4.905	.0001
Check ?	None	None	None	None	None	QC Pass	None
Value						5.000	
Range						5.000%	

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0113	.0041	.0007	-.0033	.0113	-.0084	.0089
Stddev	.0001	.0013	.0000	.0046	.0019	.0095	.0048
%RSD	.9007	31.35	6.114	138.2	16.99	113.1	54.19
#1	.0112	.0032	.0008	-.0066	.0126	-.0017	.0123
#2	.0114	.0051	.0007	-.0001	.0099	-.0151	.0055
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0016	.0013	-.0309	.0143	.0072	13.99
Stddev	.0002	.0055	.0017	.0579	.0112	.0005	.01
%RSD	96.87	344.4	132.5	187.2	78.63	6.631	.0377
#1	.0003	.0055	.0025	.0100	.0222	.0076	13.99
#2	.0001	-.0023	.0001	-.0719	.0063	.0069	13.98
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.946	-.0047	.0012	Q 4.535	4.823	-.0006	.0080
Stddev	.000	.0001	.0001	.021	.006	.0003	.0162
%RSD	.0082	1.473	8.230	.4708	.1218	49.07	201.3
#1	4.946	-.0048	.0013	4.520	4.827	-.0009	.0195
#2	4.946	-.0047	.0012	4.550	4.819	-.0004	-.0034
Check ?	QC Pass	None	None	QC Fail	QC Pass	None	None
Value	5.000			5.000	5.000		
Range	5.000%			5.000%	5.000%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	4.988	.9764	-.0222
Stddev	.022	.0008	.0107
%RSD	.4419	.0772	48.26
#1	4.972	.9770	-.0297
#2	5.004	.9759	-.0146
Check ?	QC Pass	QC Pass	None
Value	5.000	1.000	
Range	5.000%	5.000%	

Sample Name: ICV3 Run Time: 11/06/06 09:52

Int. Std.	Sc3572
Units	Cts/S
Avg	357.25
Stddev	.26
%RSD	.07220
#1	357.06
#2	357.43

Method: INTSTD6C Sample Name: ICB Operator: WM
Comment: 70103
Run Time: 11/06/06 09:57 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0320	-.0176	.0036	.0002	.0000	.0072	-.0004
Stddev	.0409	.0078	.0186	.0004	.0001	.0015	.0003
%RSD	127.8	44.52	511.9	219.4	7100.	20.85	91.14
#1	-.0031	-.0231	-.0095	.0004	.0001	.0082	-.0006
#2	-.0609	-.0120	.0168	-.0001	-.0001	.0061	-.0001
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	-.0059	.0008	.0002	-.0039	.0000	-.0178
Stddev	.0005	.0192	.0000	.0000	.0055	.001	.0163
%RSD	8.340	327.5	4.957	19.39	139.3	7685.	91.68
#1	.0052	-.0194	.0008	.0003	-.0078	-.0010	-.0294
#2	.0059	.0077	.0008	.0002	-.0001	.0009	-.0063
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0030	H .0595	.0020	-.0001	-.0004	-.0011	.0284
Stddev	.0054	.0442	.0012	.0004	.0010	.0019	.0332
%RSD	179.1	74.43	58.71	448.7	266.0	181.7	116.7
#1	.0008	.0282	.0028	.0002	.0003	-.0024	.0050
#2	-.0069	.0907	.0012	-.0003	-.0011	.0003	.0519
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0090	.0010	-.0131	.0032	-.0010	-.0007	-.0147
Stddev	.0157	.0068	.0096	.0063	.0033	.0003	.0096
%RSD	174.8	705.2	73.47	197.3	319.3	44.57	65.33
#1	-.0021	-.0038	-.0063	.0076	-.0033	-.0005	-.0215
#2	.0201	.0058	-.0199	-.0013	.0013	-.0010	-.0079
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0014	.0133	-.0025	.0000	-.0022
Stddev	.0012	.0003	.0102	.0005	.0001	.0221
%RSD	127.6	22.11	76.20	20.32	232.6	985.6
#1	.0019	-.0012	.0062	-.0021	.0001	-.0179
#2	.0001	-.0016	.0205	-.0029	.0000	.0134
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: ICB Run Time: 11/06/06 09:57

Int. Std.	Sc3572
Units	Cts/S
Avg	348.31
Stddev	.02
%RSD	.00493
#1	348.30
#2	348.32

Method: INTSTD6C Sample Name: CCVA1 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:00 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5873	.4728	.4819	.4635	.4982	.4897	.4842
Stddev	.0481	.0048	.0051	.0030	.0029	.0017	.0022
%RSD	8.198	1.021	1.054	.6517	.5757	.3502	.4482
#1	.5648	.4775	.4753	.4670	.5014	.4871	.4854
#2	.6401	.4703	.4873	.4640	.4994	.4909	.4845
#3	.5321	.4762	.4810	.4633	.4971	.4900	.4859
#4	.6120	.4673	.4840	.4596	.4948	.4906	.4811
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5050	.4872	.4828	.4926	.4896	.4822	2.508
Stddev	.0021	.0024	.0025	.0047	.0022	.0016	.007
%RSD	.4207	.4852	.5252	.9445	.4438	.3258	.2992
#1	.5080	.4900	.4852	.4878	.4924	.4843	2.514
#2	.5045	.4849	.4846	.4947	.4891	.4805	2.515
#3	.5043	.4883	.4817	.4898	.4898	.4818	2.502
#4	.5031	.4857	.4798	.4981	.4871	.4824	2.501
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4696	.4779	.4807	5.252	.4750	.4956	.5749
Stddev	.0022	.0022	.0039	.009	.0166	.0057	.0116
%RSD	.4641	.4567	.8029	.1708	3.489	1.142	2.017
#1	.4724	.4803	.4839	5.263	.4774	.4979	.5755
#2	.4691	.4789	.4832	5.255	.4966	.5023	.5882
#3	.4698	.4755	.4805	5.246	.4687	.4895	.5599
#4	.4671	.4767	.4754	5.244	.4573	.4926	.5759
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4937	.4805	.4807	-.0205	.2630	.4837	.4727
Stddev	.0056	.0044	.0023	.0056	.0071	.0008	.0123
%RSD	1.125	.9071	.4819	27.58	2.687	.1736	2.610
#1	.4969	.4854	.4838	-.0200	.2668	.4831	.4576
#2	.4980	.4819	.4800	-.0217	.2572	.4848	.4709
#3	.4942	.4799	.4806	-.0269	.2569	.4838	.4876
#4	.4857	.4749	.4783	-.0132	.2710	.4829	.4746
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Sample Name: CCVA1 Run Time: 11/06/06 10:00

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0029	.0006	-.0172
Stddev	.0007	.0001	.0108
%RSD	23.95	15.66	63.02
#1	.0031	.0005	-.0157
#2	.0021	.0007	-.0050
#3	.0038	.0005	-.0168
#4	.0027	.0007	-.0314
Check ?	None	None	None
Value			
Range			

Int. Std.	Sc3572
Units	Cts/S
Avg	365.30
Stddev	1.52
%RSD	.41601
#1	363.81
#2	365.34
#3	364.68
#4	367.38

Method: INTSTD6C Sample Name: CCVB1 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:05 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.988	-.0108	-.0095	2.406	.0497	-.0585	.0020
Stddev	.045	.0124	.0041	.015	.0002	.0009	.0006
%RSD	.8953	115.2	42.97	.6369	.4083	1.525	31.24
#1	5.034	-.0240	-.0149	2.427	.0499	-.0573	.0025
#2	4.964	-.0073	-.0094	2.404	.0496	-.0594	.0020
#3	5.015	-.0165	-.0090	2.402	.0494	-.0588	.0023
#4	4.938	.0048	-.0049	2.391	.0497	-.0586	.0011
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	5.000%			5.000%	5.000%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.58	.0025	-.0013	-.0037	24.19	-.0023	24.79
Stddev	.08	.0005	.0016	.0025	.11	.0089	.13
%RSD	.3326	18.02	123.7	67.35	.4668	381.9	.5127
#1	24.68	.0030	.0000	-.0070	24.31	.0000	24.91
#2	24.52	.0021	-.0028	-.0041	24.25	-.0154	24.77
#3	24.51	.0022	-.0027	-.0017	24.05	.0048	24.84
#4	24.62	.0029	.0002	-.0019	24.14	.0013	24.62
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	5.000%				5.000%		5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0045	-.0011	10.19	-.0016	.0016	9.808
Stddev	.0002	.0010	.0009	.08	.0115	.0041	.051
%RSD	6.753	22.93	85.33	.7906	720.1	259.8	.5156
#1	.0023	.0032	-.0008	10.12	-.0021	.0005	9.851
#2	.0021	.0051	-.0014	10.20	.0021	.0006	9.775
#3	.0025	.0040	.0000	10.30	.0106	-.0021	9.755
#4	.0024	.0055	-.0022	10.15	-.0169	.0075	9.851
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				5.000%			5.000%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	-.0038	.0023	2.532	2.451	-.0013	-.0150
Stddev	.0035	.0007	.0005	.014	.011	.0016	.0167
%RSD	42.95	17.94	20.40	.5542	.4436	116.6	111.7
#1	.0091	-.0044	.0018	2.548	2.445	-.0021	.0069
#2	.0098	-.0033	.0029	2.530	2.441	-.0012	-.0272
#3	.0107	-.0043	.0021	2.535	2.466	-.0028	-.0290
#4	.0030	-.0032	.0022	2.514	2.452	.0008	-.0107
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				5.000%	5.000%		

Sample Name: CCVB1 Run Time: 11/06/06 10:05

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4847	.4795	5.127
Stddev	.0026	.0015	.032
%RSD	.5265	.3185	.6238
#1	.4825	.4807	5.125
#2	.4829	.4783	5.119
#3	.4880	.4781	5.171
#4	.4856	.4809	5.095
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	5.000%	5.000%	5.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	361.13
Stddev	2.45
%RSD	.67961
#1	359.21
#2	360.15
#3	364.73
#4	360.44

Method: INTSTD6C Sample Name: CCB1 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:09 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0203	-.0259	-.0052	.0006	.0000	-.0012	.0003
Stddev	.0124	.0144	.0138	.0004	.000	.0019	.0003
%RSD	60.96	55.75	264.1	60.53	5.425	156.2	122.4
#1	-.0290	-.0157	.0045	.0003	.0000	-.0026	.0000
#2	-.0115	-.0361	-.0150	.0008	.0000	.0001	.0005
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0048	-.0039	.0008	.0005	-.0004	.0015	L -.0224
Stddev	.0058	.0512	.0011	.0002	.0002	.0032	.0213
%RSD	120.3	1297.	142.5	46.50	37.43	215.1	95.08
#1	.0089	-.0401	.0000	.0007	-.0003	.0037	-.0375
#2	.0007	.0322	.0016	.0004	-.0006	-.0008	-.0073
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0067	.0171	-.0025	.0002	.0007	.0004	-.0382
Stddev	.0112	.0064	.0005	.0000	.0013	.0012	.0156
%RSD	167.9	37.09	18.74	23.81	183.1	296.1	40.68
#1	-.0146	.0216	-.0028	.0002	.0016	-.0004	-.0492
#2	.0012	.0127	-.0022	.0002	-.0002	.0013	-.0272
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0057	-.0162	-.0092	-.0022	-.0002	-.0118
Stddev	.0052	.0009	.0024	.0049	.0030	.0004	.0101
%RSD	1001.	15.39	14.83	53.89	131.8	217.6	85.06
#1	.0042	.0063	-.0179	-.0057	-.0043	.0001	-.0047
#2	-.0032	.0051	-.0145	-.0127	-.0002	-.0005	-.0189
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	-.0005	.0029	-.0020	.0001	.0009
Stddev	.0060	.0003	.0193	.0016	.0000	.0084
%RSD	627.3	61.31	658.5	83.51	10.32	912.7
#1	-.0033	-.0003	.0166	-.0031	.0001	-.0050
#2	.0052	-.0007	-.0107	-.0008	.0001	.0069
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB1 Run Time: 11/06/06 10:09

Int. Std.	Sc3572
Units	Cts/S
Avg	348.71
Stddev	.86
%RSD	.24607
#1	348.10
#2	349.32

Method: INTSTD6C Sample Name: CRI Operator: WM
Comment: 70103 ICP3-73-E
Run Time: 11/06/06 10:12 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0269	.0325	.1016	.0054	.0049	.0512	.0053
Stddev	.0181	.0014	.0048	.0003	.0001	.0011	.0001
%RSD	67.28	4.398	4.723	6.300	2.185	2.166	2.535
#1	.0141	.0335	.0982	.0052	.0049	.0504	.0052
#2	.0397	.0315	.1050	.0057	.0050	.0519	.0054
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0626	.0066	.0113	.0058	.0225	.0409	.0204
Stddev	.0008	.0013	.0011	.0067	.0004	.0110	.0010
%RSD	1.341	20.31	9.842	115.1	1.612	26.82	5.041
#1	.0620	.0056	.0105	.0106	.0227	.0487	.0211
#2	.0632	.0075	.0120	.0011	.0222	.0332	.0197
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0050	.0100	.0100	.0200	.0500	.0200
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0106	.0204	2.168	.0866	.0138	.1066
Stddev	.0001	.0028	.0013	.015	.0119	.0010	.0114
%RSD	2.707	26.26	6.470	.7058	13.77	7.462	10.73
#1	.0051	.0126	.0213	2.179	.0782	.0145	.0985
#2	.0053	.0086	.0195	2.157	.0951	.0130	.1147
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0050	.0100	.0200	2.000	.1000	.0100	.1000
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0496	.0079	.0099	.1579	.1018	.0075	.0912
Stddev	.0030	.0040	.0003	.0005	.0032	.0012	.0149
%RSD	6.012	51.08	2.816	.3283	3.129	15.48	16.30
#1	.0517	.0050	.0097	.1575	.0996	.0083	.1017
#2	.0475	.0107	.0101	.1582	.1041	.0067	.0807
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0100	.0100	.2000	.1000	.0100	.1000
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0091	.0097	.0326
Stddev	.0028	.0002	.0216
%RSD	30.45	1.768	66.21
#1	.0071	.0099	.0479
#2	.0110	.0096	.0173
Check ?	QC Pass	QC Pass	QC Pass
Value	.0100	.0100	.0500
Range	100.0%	100.0%	100.0%

Sample Name: CRI Run Time: 11/06/06 10:12

Int. Std.	Sc3572
Units	Cts/S
Avg	355.74
Stddev	2.09
%RSD	.58649
#1	354.26
#2	357.21

Method: INTSTD6C Sample Name: ICSA Operator: WM
Comment: 70103 ICP3-65-G
Run Time: 11/06/06 10:16 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	483.0	.0312	-.0549	-.0027	.0004	-.4282	.0006
Stddev	.3	.0046	.0115	.0004	.0001	.0021	.0002
%RSD	.0546	14.72	20.87	13.38	15.06	.4906	30.99
#1	483.2	.0279	-.0630	-.0025	.0003	-.4297	.0007
#2	482.9	.0344	-.0468	-.0030	.0004	-.4267	.0005
Check ?	QC Pass	None	None	None	None	None	None
Value	500.0						
Range	20.00%						

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	503.9	-.0018	-.0038	-.0274	188.0	-.0164	504.8
Stddev	1.3	.0012	.0019	.0042	1.7	.0000	2.7
%RSD	.2677	69.12	48.66	15.42	.9004	.0298	.5349
#1	504.9	-.0009	-.0051	-.0304	186.8	-.0165	506.7
#2	503.0	-.0027	-.0025	-.0245	189.2	-.0164	502.9
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	500.0				200.0		500.0
Range	20.00%				20.00%		20.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0099	.0039	-.0042	-.1056	-.0016	.0036	.0150
Stddev	.0002	.0006	.0010	.0095	.0112	.0079	.0006
%RSD	1.683	16.56	23.19	8.977	701.0	222.0	4.228
#1	.0098	.0043	-.0035	-.0989	-.0095	.0092	.0155
#2	.0100	.0034	-.0048	-.1123	.0063	-.0020	.0146
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0291	.0031	.0067	.1122	.0109	.0108	-.1069
Stddev	.0052	.0005	.0011	.0270	.0023	.0013	.0055
%RSD	17.94	15.36	17.17	24.07	20.98	11.56	5.186
#1	-.0254	.0035	.0075	.0931	.0093	.0117	-.1030
#2	-.0328	.0028	.0059	.1313	.0125	.0100	-.1109
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0113	.0409	-.1086
Stddev	.0022	.0003	.0215
%RSD	19.75	.7837	19.81
#1	.0129	.0411	-.1238
#2	.0098	.0407	-.0934
Check ?	None	None	None
Value			
Range			

Sample Name: ICSA Run Time: 11/06/06 10:16

Int. Std.	Sc3572
Units	Cts/S
Avg	343.53
Stddev	.22
%RSD	.06442
#1	343.38
#2	343.69

Method: INTSTD6C Sample Name: PBW Operator: WM
Comment: 70103 K0608882
Run Time: 11/06/06 10:23 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0547	-.0301	-.0023	-.0002	.0000	.0016	-.0001
#1	-.0590	-.0213	-.0095	-.0002	.0001	-.0007	-.0002
#2	-.0504	-.0388	.0050	-.0002	-.0002	.0039	.0000

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0068	.0023	-.0001	-.0054	.0006	-.0018	.0011
#1	.0044	.0028	-.0002	-.0046	.0012	-.0074	.0003
#2	.0092	.0018	.0000	-.0062	.0000	.0037	.0018

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0003	-.0004	.0409	-.0164	.0054	.0213
#1	.0001	.0003	-.0005	.0512	-.0338	.0024	.0157
#2	-.0004	.0003	-.0004	.0307	.0011	.0085	.0270

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0042	-.0038	-.0005	-.0098	.0388	-.0002	-.0015
#1	.0022	-.0034	.0001	-.0089	.0378	-.0007	-.0068
#2	-.0105	-.0042	-.0011	-.0106	.0398	.0003	.0038

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0004	.0001	-.0046
#1	-.0015	.0000	-.0009
#2	.0024	.0002	-.0083

Int. Std.	S3572
Units	Cts/S
Avg	350.71
#1	349.63
#2	351.79

Sor re-run after ICSAB ok 11/6/6

Method: INTSTD6C Sample Name: LCSW Operator: WM
Comment: 70103 K0608882
Run Time: 11/06/06 10:26 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.021	2.579	2.526	4.985	.1256	1.001	1.245
#1	5.023	2.585	2.544	4.991	.1244	.9995	1.240
#2	5.019	2.572	2.509	4.979	.1268	1.003	1.249

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.62	.5054	1.235	.6329	2.519	2.489	12.34
#1	12.54	.5040	1.230	.6316	2.535	2.477	12.30
#2	12.70	.5068	1.239	.6341	2.502	2.501	12.37

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.259	1.011	1.225	12.85	2.490	.6233	12.48
#1	1.251	1.003	1.221	12.83	2.493	.6168	12.38
#2	1.266	1.019	1.229	12.87	2.487	.6298	12.58

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0050	1.241	1.222	.1339	.0604	-.0002	2.511
#1	-.0054	1.229	1.220	.1266	.0598	.0002	2.488
#2	-.0045	1.254	1.224	.1411	.0610	-.0006	2.534

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0004	.0055	.3452
#1	.0002	.0054	.3324
#2	-.0011	.0056	.3579

Int. Std.	Sc3572
Units	Cts/S
Avg	364.28
#1	365.74
#2	362.82

See re-run
11/6/6

Method: INTSTD6C Sample Name: K0608882-029 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:28 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0041	.0146	-.0373	.0036	.0001	2.585	.0015
#1	-.0030	.0150	-.0418	.0041	.0001	2.588	.0010
#2	-.0052	.0141	-.0327	.0030	.0001	2.581	.0021

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	233.7	-.0012	.0002	-.0048	.0540	-.0035	723.4
#1	234.0	-.0024	.0003	-.0046	.0542	-.0002	724.6
#2	233.4	.0000	.0002	-.0050	.0538	-.0069	722.1

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0057	-.0012	>225.0	.0417	.0037	>180.0
#1	.0036	.0037	-.0029	>225.0	.0465	.0037	>180.0
#2	.0034	.0078	.0005	>225.0	.0370	.0036	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0214	.0006	.0021	.1491	1.424	.0017	-.0329
#1	-.0189	.0027	.0020	.1593	1.428	-.0004	-.0261
#2	-.0240	-.0014	.0023	.1389	1.421	.0037	-.0396

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1221	4.210	>90.00
#1	.1199	4.225	>90.00
#2	.1242	4.196	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	328.16
#1	327.22
#2	329.11

See re-run
11/6/6

Method: INTSTD6C Sample Name: K0608882-029D Operator: WM
Comment: 70103
Run Time: 11/06/06 10:31 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0206	-.0086	-.0398	.0035	.0000	2.545	.0012
#1	-.0116	-.0192	-.0441	.0035	.0000	2.546	.0010
#2	.0528	.0020	-.0355	.0035	.0000	2.544	.0015

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	232.5	-.0007	-.0009	-.0071	.0503	.0080	712.8
#1	232.8	-.0018	-.0014	-.0093	.0506	.0246	710.7
#2	232.1	.0004	-.0003	-.0048	.0500	-.0086	715.0

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0041	-.0008	>225.0	.0000	.0045	>180.0
#1	.0036	.0048	.0003	>225.0	.0021	.0009	>180.0
#2	.0033	.0035	-.0020	>225.0	-.0021	.0081	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0180	-.0021	.0026	.1512	1.424	.0022	-.0548
#1	-.0218	-.0025	.0031	.1551	1.423	.0044	-.0670
#2	-.0141	-.0016	.0022	.1474	1.424	-.0001	-.0427

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1195	4.188	>90.00
#1	.1187	4.190	>90.00
#2	.1202	4.186	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	326.78
#1	325.63
#2	327.93

See reanalysis 11/6/06

Method: INTSTD6C Sample Name: ICSAB Operator: WM
Comment: 70103 ICP3-64-F
Run Time: 11/06/06 10:35 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	487.9	.9984	-.0383	.4479	.5047	-.4512	.9026
Stddev	3.9	.0248	.0052	.0012	.0015	.0041	.0003
%RSD	.8021	2.481	13.52	.2659	.3060	.9000	.0304
#1	485.1	1.016	-.0346	.4487	.5058	-.4483	.9024
#2	490.6	.9809	-.0419	.4470	.5036	-.4541	.9028
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	None	QC Pass
Value	500.0	1.000		.5000	.5000		1.000
Range	20.00%	20.00%		20.00%	20.00%		20.00%

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	504.2	.4625	.4348	.4236	188.3	.8857	508.4
Stddev	1.6	.0007	.0007	.0062	.2	.0057	1.0
%RSD	.3210	.1537	.1551	1.452	.1134	.6450	.1906
#1	505.3	.4630	.4353	.4280	188.4	.8817	509.1
#2	503.0	.4620	.4343	.4193	188.1	.8898	507.7
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	.5000	.5000	.5000	200.0	1.000	500.0
Range	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4570	.0041	.8677	-.0161	-.0274	.9213	.2492
Stddev	.0004	.0038	.0006	.0103	.0022	.0035	.0445
%RSD	.0962	92.26	.0723	64.12	8.167	.3774	17.87
#1	.4573	.0014	.8673	-.0233	-.0258	.9238	.2807
#2	.4567	.0068	.8681	-.0088	-.0290	.9189	.2177
Check ?	QC Pass	None	QC Pass	None	None	QC Pass	None
Value	.5000		1.000			1.000	
Range	20.00%		20.00%			20.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0222	.4748	.8782	.1232	.0127	.0115	-.0834
Stddev	.0051	.0032	.0031	.0168	.0044	.0012	.0013
%RSD	23.02	.6795	.3585	13.65	34.41	10.85	1.567
#1	-.0258	.4771	.8759	.1351	.0158	.0124	-.0843
#2	-.0186	.4725	.8804	.1113	.0096	.0106	-.0824
Check ?	None	QC Pass	QC Pass	None	None	None	None
Value		.5000	1.000				
Range		20.00%	20.00%				

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0138	.0420	.0579
Stddev	.0014	.0007	.0407
%RSD	10.03	1.677	70.31
#1	.0148	.0425	.0867
#2	.0128	.0415	.0291
Check ?	None	None	None
Value			
Range			

Sample Name: ICSAB Run Time: 11/06/06 10:35

Int. Std.	Sc3572
Units	Cts/S
Avg	345.52
Stddev	1.12
%RSD	.32515
#1	344.73
#2	346.32

Method: INTSTD6C Sample Name: PBW Operator: WM
Comment: 70103 K0608882
Run Time: 11/06/06 10:38 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0204	-.0259	-.0064	.0001	-.0001	.0027	.0000
#1	.0695	-.0351	-.0041	.0003	-.0001	.0027	-.0006
#2	-.0287	-.0168	-.0086	-.0001	-.0001	.0026	.0005

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0142	.0038	-.0003	-.0020	.0153	.0005	.0118
#1	.0194	.0021	.0003	-.0017	.0246	-.0007	.0170
#2	.0089	.0055	-.0009	-.0024	.0060	.0017	.0066

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0008	-.0010	-.0176	.0074	.0019	.1107
#1	-.0002	.0021	-.0001	-.0248	.0253	-.0007	.1093
#2	-.0002	-.0006	-.0018	-.0105	-.0106	.0044	.1121

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0041	-.0011	.0001	-.0110	.0429	.0008	-.0151
#1	-.0048	-.0025	.0000	-.0149	.0436	.0009	-.0313
#2	-.0033	.0004	.0002	-.0071	.0422	.0006	.0011

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0014	.0001	.0637
#1	-.0007	.0001	.0779
#2	-.0021	.0001	.0495

Int. Std.	Sc3572
Units	Cts/S
Avg	350.55
#1	350.88
#2	350.23

Method: INTSTD6C Sample Name: LCSW Operator: WM
Comment: 70103 K0608882
Run Time: 11/06/06 10:40 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.988	2.544	2.507	5.041	.1259	.9997	1.252
#1	5.014	2.555	2.503	5.067	.1266	.9996	1.258
#2	4.961	2.532	2.512	5.015	.1251	.9998	1.246

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.66	.5089	1.246	.6251	2.495	2.516	12.24
#1	12.74	.5098	1.254	.6270	2.509	2.531	12.25
#2	12.58	.5080	1.238	.6233	2.481	2.501	12.22

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.261	1.016	1.235	12.77	2.465	.6157	12.53
#1	1.265	1.027	1.242	12.78	2.474	.6146	12.59
#2	1.257	1.005	1.228	12.76	2.455	.6167	12.47

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0026	1.240	1.230	.1364	.0519	-.0013	2.491
#1	-.0031	1.248	1.237	.1275	.0497	-.0005	2.515
#2	-.0020	1.232	1.224	.1453	.0542	-.0020	2.468

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0007	.0054	.3929
#1	.0004	.0055	.3884
#2	-.0019	.0053	.3974

Int. Std.	Sc3572
Units	Cts/S
Avg	360.24
#1	358.84
#2	361.65

Method: INTSTD6C Sample Name: K0608882-029 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:43 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195	.0021	-.0382	.0034	.0000	2.565	.0005
#1	.0249	.0104	-.0418	.0031	.0000	2.571	.0001
#2	.0142	-.0063	-.0346	.0037	.0000	2.558	.0008

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	234.4	.0014	-.0005	-.0002	.0523	.0015	718.8
#1	234.9	.0005	-.0005	-.0013	.0536	.0093	720.3
#2	234.0	.0023	-.0006	.0009	.0510	-.0063	717.4

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0076	-.0005	>225.0	.0143	.0065	>180.0
#1	.0032	.0088	-.0008	>225.0	.0222	.0086	>180.0
#2	.0031	.0065	-.0001	>225.0	.0063	.0043	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0246	-.0001	.0025	.1453	1.408	-.0002	-.0442
#1	-.0283	-.0002	.0028	.1415	1.415	-.0017	-.0344
#2	-.0208	.0000	.0021	.1491	1.400	.0012	-.0539

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1219	4.208	>90.00
#1	.1213	4.205	>90.00
#2	.1226	4.210	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	327.35
#1	327.38
#2	327.31

Method: INTSTD6C Sample Name: CCVA2 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:48 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6322	Q .4482	.4822	.4533	.4855	.4776	.4736
Stddev	.0243	.0000	.0042	.0047	.0061	.0028	.0056
%RSD	3.837	.0042	.8672	1.038	1.252	.5842	1.180
#1	.6494	.4482	.4793	.4566	.4898	.4796	.4775
#2	.6151	.4482	.4852	.4500	.4812	.4756	.4696
Check ?	None	QC Fail	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4936	.4746	.4731	.4870	.4783	.4684	2.475
Stddev	.0073	.0057	.0060	.0026	.0060	.0040	.015
%RSD	1.486	1.209	1.277	.5238	1.258	.8502	.6009
#1	.4988	.4787	.4774	.4888	.4825	.4712	2.485
#2	.4885	.4705	.4688	.4852	.4740	.4656	2.464
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4609	.4691	.4695	5.295	.4916	.4911	.8957
Stddev	.0047	.0052	.0056	.057	.0000	.0036	.1057
%RSD	1.011	1.109	1.198	1.081	.0010	.7428	11.80
#1	.4642	.4727	.4734	5.336	.4916	.4936	.9705
#2	.4576	.4654	.4655	5.255	.4916	.4885	.8210
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4842	.4669	.4705	.0026	.2573	.4690	.4627
Stddev	.0033	.0106	.0050	.0084	.0001	.0042	.0186
%RSD	.6756	2.267	1.067	318.0	.0547	.8975	4.024
#1	.4819	.4744	.4741	-.0033	.2572	.4719	.4495
#2	.4865	.4594	.4670	.0086	.2574	.4660	.4758
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0018	.0006	.1543
Stddev	.0001	.0001	.0389
%RSD	7.414	10.58	25.23
#1	.0019	.0007	.1818
#2	.0017	.0006	.1267
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA2 Run Time: 11/06/06 10:48

Int. Std.	Sc3572
Units	Cts/S
Avg	368.51
Stddev	3.52
%RSD	.95458
#1	366.02
#2	371.00

Method: INTSTD6C Sample Name: CCVB2 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:51 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.928	-.0064	-.0193	2.346	.0481	-.0587	.0013
Stddev	.033	.0130	.0158	.007	.0003	.0007	.0006
%RSD	.6755	204.0	81.75	.3128	.6895	1.255	42.81
#1	4.952	.0028	-.0081	2.351	.0483	-.0592	.0009
#2	4.905	-.0156	-.0305	2.341	.0478	-.0582	.0017
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	23.89	.0014	.0004	-.0057	23.37	.0057	24.46
Stddev	.13	.0004	.0001	.0020	.13	.0022	.10
%RSD	.5259	30.52	23.72	35.09	.5667	38.80	.4179
#1	23.98	.0018	.0004	-.0071	23.47	.0042	24.54
#2	23.80	.0011	.0005	-.0043	23.28	.0073	24.39
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021	.0026	-.0019	9.995	-.0011	.0063	9.542
Stddev	.0001	.0010	.0005	.049	.0060	.0089	.037
%RSD	2.668	36.28	24.47	.4916	559.2	141.4	.3855
#1	.0021	.0019	-.0016	10.03	-.0053	.0125	9.568
#2	.0020	.0033	-.0023	9.960	.0032	.0000	9.516
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	-.0072	.0020	2.473	2.397	-.0004	.0069
Stddev	.0058	.0034	.0006	.043	.000	.0004	.0131
%RSD	117.6	46.92	31.83	1.720	.0066	95.89	191.5
#1	.0090	-.0096	.0024	2.443	2.397	-.0007	.0161
#2	.0008	-.0048	.0015	2.503	2.397	-.0001	-.0024
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4743	.4623	5.059
Stddev	.0048	.0032	.035
%RSD	1.020	.7030	.6982
#1	.4777	.4645	5.034
#2	.4709	.4600	5.084
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB2 Run Time: 11/06/06 10:51

Int. Std.	Sc3572
Units	Cts/S
Avg	367.80
Stddev	.37
%RSD	.10144
#1	367.54
#2	368.07

Method: INTSTD6C Sample Name: CCB2 Operator: WM
Comment: 70103
Run Time: 11/06/06 10:54 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0171	-.0084	-.0080	-.0002	.0000	-.0017	.0000
Stddev	.0316	.0026	.0145	.0002	.000	.0004	.001
%RSD	185.4	31.51	181.8	94.11	62.76	25.82	1115.
#1	.0053	-.0065	.0023	-.0003	.0000	-.0020	-.0004
#2	-.0394	-.0103	-.0182	-.0001	-.0001	-.0014	.0003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0493	.0009	.0003	-.0058	.0012	-.0079
Stddev	.0032	.0517	.0008	.0002	.0042	.0007	.0111
%RSD	93.53	105.0	86.40	67.72	72.26	54.79	139.6
#1	.0057	.0858	.0015	.0002	-.0088	.0016	-.0001
#2	.0012	.0127	.0004	.0005	-.0029	.0007	-.0157
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0087	H .0220	.0008	.0000	-.0021	.0006	.0146
Stddev	.0053	.0267	.0007	.0001	.0025	.0015	.0472
%RSD	60.80	121.6	85.08	361.0	115.1	259.7	322.5
#1	-.0050	.0031	.0003	-.0001	-.0004	-.0005	-.0187
#2	-.0125	.0409	.0013	.0001	-.0039	.0016	.0480
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0116	.0041	.0629	-.0016	-.0023	-.0001	-.0207
Stddev	.0194	.0059	.0002	.0032	.0006	.0000	.0073
%RSD	167.1	142.1	.2947	201.2	27.38	42.42	35.25
#1	.0021	.0083	.0631	-.0039	-.0019	-.0001	-.0259
#2	-.0254	.0000	.0628	.0007	-.0028	-.0001	-.0156
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0056	-.0052	-.0002	.0007	.0000	.0523
Stddev	.0004	.0041	.0009	.0003	.0000	.0020
%RSD	6.543	78.53	439.6	42.49	131.0	3.874
#1	-.0059	-.0023	-.0009	.0005	.0000	.0508
#2	-.0053	-.0081	.0005	.0009	.0000	.0537
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB2 Run Time: 11/06/06 10:54

Int. Std.	Sc3572
Units	Cts/S
Avg	357.53
Stddev	.86
%RSD	.24183
#1	356.92
#2	358.14

Method: INTSTD6C Sample Name: K0608882-029D Operator: WM
Comment: 70103
Run Time: 11/06/06 10:57 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0159	-.0063	-.0503	.0026	.0002	2.521	.0006
#1	-.0073	.0012	-.0564	.0028	.0001	2.524	.0010
#2	-.0244	-.0137	-.0441	.0024	.0002	2.518	.0003

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	226.5	-.0003	.0010	-.0074	.0504	-.0080	706.9
#1	228.3	-.0007	.0011	-.0074	.0495	-.0142	705.5
#2	224.7	.0002	.0010	-.0074	.0513	-.0017	708.4

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0035	.0062	-.0002	>225.0	.0264	.0006	>180.0
#1	.0036	.0064	-.0024	>225.0	.0232	-.0026	>180.0
#2	.0034	.0060	.0020	>225.0	.0296	.0039	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0227	-.0007	.0020	.1415	1.408	.0020	-.0438
#1	-.0276	-.0018	.0022	.1406	1.409	.0019	-.0446
#2	-.0177	.0004	.0018	.1423	1.407	.0021	-.0430

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1196	4.056	>90.00
#1	.1209	4.094	>90.00
#2	.1184	4.018	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	331.95
#1	331.54
#2	332.36

Method: INTSTD6C Sample Name: K0608882-029S Operator: WM
Comment: 70103
Run Time: 11/06/06 11:00 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.775	.4593	.8675	1.818	.0465	3.358	.0453
#1	1.780	.4783	.8598	1.806	.0464	3.370	.0457
#2	1.769	.4404	.8752	1.831	.0467	3.346	.0449

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	228.2	.1835	.4475	.2214	.9643	.4277	707.0
#1	226.9	.1837	.4471	.2167	.9627	.4259	708.7
#2	229.5	.1833	.4478	.2261	.9659	.4294	705.4

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4485	.9601	.4368	>225.0	.8638	.0440	>180.0
#1	.4463	.9590	.4358	>225.0	.8723	.0428	>180.0
#2	.4506	.9612	.4378	>225.0	.8553	.0452	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0222	.4828	.4356	.1408	1.398	.0016	.8183
#1	-.0220	.4781	.4327	.1399	1.403	-.0007	.8102
#2	-.0223	.4875	.4386	.1416	1.394	.0040	.8265

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1187	4.087	>90.00
#1	.1174	4.062	>90.00
#2	.1199	4.112	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	331.31
#1	333.30
#2	329.31

Method: INTSTD6C Sample Name: K0608882-021 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:03 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1120	-.0161	-.0102	.0036	-.0001	.3777	.0005
#1	.1142	-.0027	-.0036	.0034	-.0001	.3789	.0004
#2	.1098	-.0295	-.0168	.0037	-.0001	.3766	.0006

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.55	.0017	.0009	.5516	.2297	-.0044	58.33
#1	24.61	.0006	.0011	.5566	.2285	-.0016	58.48
#2	24.49	.0028	.0008	.5467	.2310	-.0072	58.18

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0197	.0047	.0010	21.92	.0021	.0068	>180.0
#1	.0195	.0045	.0006	21.97	.0127	.0107	>180.0
#2	.0199	.0049	.0015	21.87	-.0084	.0029	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0025	-.0025	.0806	.0021	2.551	-.0006	-.0152
#1	.0099	.0004	.0796	-.0005	2.550	-.0016	-.0227
#2	-.0048	-.0053	.0816	.0046	2.551	.0005	-.0077

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0113	.3665	40.68
#1	.0113	.3669	40.76
#2	.0113	.3660	40.59

Int. Std.	Sc3572
Units	Cts/S
Avg	354.21
#1	355.93
#2	352.49

Method: INTSTD6C Sample Name: K0608882-022 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:06 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2357	-.0101	-.0075	.0020	-.0001	.7317	.0003
#1	.2475	-.0074	-.0118	.0026	.0000	.7302	.0005
#2	.2239	-.0129	-.0031	.0015	-.0001	.7333	.0001

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	68.30	.0032	.0001	.0003	.3266	.0034	201.6
#1	68.44	.0037	-.0009	.0005	.3275	.0016	200.7
#2	68.16	.0028	.0011	.0000	.3257	.0051	202.5

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0156	.0028	-.0012	72.22	.0121	.0021	>180.0
#1	.0156	.0031	.0006	72.32	.0063	.0036	>180.0
#2	.0156	.0025	-.0030	72.12	.0180	.0006	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0127	-.0031	.0111	.1890	1.431	.0013	-.0325
#1	-.0125	.0013	.0110	.1763	1.434	.0022	-.0195
#2	-.0129	-.0076	.0112	.2017	1.428	.0003	-.0456

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0301	1.241	>90.00
#1	.0292	1.243	>90.00
#2	.0310	1.238	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	344.12
#1	343.18
#2	345.07

Method: INTSTD6C Sample Name: K0608882-023 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3019	-.0204	-.0113	.0025	-.0002	.0538	.0004
#1	.2902	-.0167	-.0159	.0023	-.0001	.0525	.0008
#2	.3135	-.0240	-.0068	.0028	-.0002	.0552	.0000

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.885	.0046	.0011	.0057	.3554	-.0047	7.060
#1	4.877	.0041	.0010	.0050	.3556	-.0055	7.056
#2	4.894	.0052	.0013	.0064	.3552	-.0039	7.065

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0188	.0018	-.0002	2.836	-.0106	.0008	62.23
#1	.0189	-.0001	.0000	2.858	-.0148	.0058	62.10
#2	.0186	.0037	-.0004	2.815	-.0063	-.0042	62.36

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	-.0032	.0070	-.0054	1.584	.0009	.0045
#1	.0065	-.0053	.0063	-.0113	1.591	.0025	.0146
#2	.0010	-.0010	.0078	.0005	1.577	-.0006	-.0057

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0015	.0489	5.297
#1	.0019	.0488	5.346
#2	.0012	.0490	5.249

Int. Std.	Sc3572
Units	Cts/S
Avg	361.07
#1	361.89
#2	360.25

Method: INTSTD6C Sample Name: K0608882-024 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2417	-.0162	-.0065	.0022	.0000	.0595	.0000
#1	.2232	-.0120	-.0086	.0028	.0000	.0593	.0002
#2	.2601	-.0203	-.0045	.0016	.0001	.0598	-.0002

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.874	.0016	.0002	.0059	.3514	.0036	7.167
#1	4.846	.0009	.0005	.0024	.3507	.0035	7.178
#2	4.902	.0022	-.0001	.0094	.3521	.0038	7.156

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0188	.0008	-.0004	2.831	-.0026	.0046	63.09
#1	.0188	.0008	-.0014	2.881	.0032	.0027	62.67
#2	.0187	.0008	.0006	2.781	-.0085	.0066	63.51

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0049	.0089	-.0233	1.546	.0010	.0078
#1	-.0042	-.0067	.0093	-.0318	1.549	.0033	.0111
#2	.0043	-.0032	.0085	-.0147	1.543	-.0013	.0044

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0003	.0493	5.278
#1	.0004	.0490	5.271
#2	.0001	.0496	5.286

Int. Std.	Sc3572
Units	Cts/S
Avg	362.73
#1	365.52
#2	359.93

Method: INTSTD6C Sample Name: K0608882-025 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3657	-.0227	-.0083	.0024	-.0001	.0366	-.0007
#1	.3753	-.0150	-.0131	.0022	-.0002	.0367	-.0004
#2	.3561	-.0304	-.0036	.0026	-.0001	.0364	-.0010

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.630	.0035	.0009	-.0055	.5780	.0020	1.705
#1	2.621	.0031	.0006	-.0017	.5741	-.0011	1.702
#2	2.638	.0040	.0012	-.0093	.5819	.0051	1.708

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0244	-.0007	-.0002	.8598	-.0100	.0033	13.17
#1	.0240	-.0067	-.0002	.8691	-.0032	.0059	13.15
#2	.0249	.0053	-.0002	.8504	-.0169	.0007	13.18

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0013	-.0040	.0082	.0073	1.477	.0010	-.0152
#1	-.0012	-.0074	.0081	.0124	1.478	-.0002	-.0350
#2	-.0015	-.0006	.0084	.0022	1.476	.0023	.0045

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0008	.0180	1.215
#1	-.0016	.0179	1.214
#2	-.0001	.0180	1.215

Int. Std.	Sc3572
Units	Cts/S
Avg	363.65
#1	365.82
#2	361.48

Method: INTSTD6C Sample Name: K0608882-026 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:17 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1830	-.0068	-.0059	.0007	-.0001	.7212	.0003
#1	.1551	.0001	-.0100	.0007	.0000	.7228	.0000
#2	.2108	-.0137	-.0018	.0007	-.0001	.7196	.0006

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.89	.0010	.0002	.0009	.2482	-.0101	48.35
#1	22.18	.0027	.0003	-.0015	.2508	-.0101	48.43
#2	21.60	-.0007	.0000	.0033	.2456	-.0102	48.26

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0053	-.0005	32.08	-.0005	.0070	>180.0
#1	.0010	.0040	-.0014	32.06	.0074	.0069	>180.0
#2	.0010	.0066	.0004	32.11	-.0085	.0071	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	-.0001	.0031	.2062	3.749	.0027	-.0128
#1	.0009	-.0005	.0038	.2134	3.761	.0027	-.0086
#2	-.0003	.0003	.0023	.1990	3.737	.0027	-.0170

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0174	.3342	47.74
#1	.0169	.3374	48.07
#2	.0180	.3309	47.41

Int. Std.	Sc3572
Units	Cts/S
Avg	358.52
#1	356.23
#2	360.80

Method: INTSTD6C Sample Name: K0608882-027 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:20 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1062	.0112	-.0243	.0013	.0000	1.382	.0020
#1	.1191	.0130	-.0241	.0012	.0000	1.388	.0014
#2	.0934	.0094	-.0245	.0014	.0000	1.375	.0026

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	113.9	.0021	.0006	-.0026	.1567	-.0018	363.3
#1	115.1	.0015	.0001	.0003	.1587	-.0052	363.3
#2	112.7	.0028	.0011	-.0054	.1547	.0015	363.3

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0085	.0029	-.0011	131.2	.0032	-.0007	>180.0
#1	.0083	-.0002	-.0010	131.8	.0095	.0018	>180.0
#2	.0086	.0059	-.0012	130.7	-.0032	-.0032	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0156	-.0011	.0061	.1763	1.190	.0002	-.0336
#1	-.0198	-.0009	.0060	.1567	1.198	.0003	-.0346
#2	-.0114	-.0014	.0061	.1958	1.181	.0001	-.0325

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0517	2.107	>90.00
#1	.0522	2.127	>90.00
#2	.0511	2.086	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	342.37
#1	340.41
#2	344.32

Method: INTSTD6C Sample Name: K0608882-028 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2261	.0065	-.0004	.0008	.0000	.9091	.0012
#1	.1875	-.0064	.0210	.0010	.0000	.9133	.0014
#2	.2647	.0194	-.0218	.0006	.0000	.9049	.0011

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	70.72	.0021	.0009	-.0023	.2517	-.0021	203.9
#1	70.73	.0033	.0009	-.0043	.2509	.0025	204.7
#2	70.71	.0010	.0008	-.0002	.2525	-.0067	203.1

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0042	.0012	-.0004	86.43	.0079	.0029	>180.0
#1	.0042	.0038	-.0008	86.64	.0042	.0023	>180.0
#2	.0043	-.0013	.0001	86.22	.0116	.0035	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0135	.0001	.0028	.2323	1.644	.0027	-.0432
#1	-.0121	.0026	.0031	.2348	1.646	.0024	-.0364
#2	-.0149	-.0023	.0026	.2297	1.642	.0030	-.0501

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0342	1.240	>90.00
#1	.0335	1.243	>90.00
#2	.0349	1.237	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	343.84
#1	344.71
#2	342.98

Method: INTSTD6C Sample Name: CCVA3 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:30 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5493	.4553	.4727	.4463	.4754	.4662	.4672
Stddev	.0048	.0080	.0110	.0055	.0062	.0005	.0062
%RSD	.8680	1.760	2.335	1.241	1.296	.1158	1.327
#1	.5460	.4496	.4649	.4424	.4710	.4658	.4628
#2	.5527	.4609	.4805	.4502	.4797	.4666	.4715
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4860	.4687	.4649	.4799	.4685	.4612	2.447
Stddev	.0042	.0056	.0056	.0038	.0067	.0022	.011
%RSD	.8663	1.191	1.203	.7820	1.426	.4788	.4387
#1	.4830	.4647	.4609	.4773	.4638	.4627	2.439
#2	.4890	.4726	.4688	.4826	.4732	.4596	2.454
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4538	.4589	.4598	5.074	.4581	.4792	.6732
Stddev	.0054	.0061	.0068	.018	.0024	.0025	.0014
%RSD	1.192	1.329	1.478	.3485	.5140	.5168	.2059
#1	.4500	.4546	.4550	5.086	.4565	.4774	.6742
#2	.4577	.4632	.4646	5.061	.4598	.4809	.6722
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4634	.4566	.4661	-.0170	.2480	.4603	.4674
Stddev	.0057	.0028	.0027	.0071	.0004	.0095	.0125
%RSD	1.223	.6179	.5883	42.16	.1709	2.070	2.680
#1	.4594	.4546	.4642	-.0119	.2483	.4535	.4585
#2	.4674	.4586	.4680	-.0220	.2477	.4670	.4762
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0016	.0007	.0313
Stddev	.0011	.0001	.0303
%RSD	69.00	14.29	96.96
#1	.0008	.0006	.0098
#2	.0024	.0007	.0527
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA3 Run Time: 11/06/06 11:30

Int. Std.	Sc3572
Units	Cts/S
Avg	369.70
Stddev	1.66
%RSD	.44993
#1	370.88
#2	368.53

Method: INTSTD6C Sample Name: CCVB3 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:34 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.949	-.0004	-.0015	2.374	.0481	-.0635	.0013
Stddev	.014	.0033	.0183	.008	.0001	.0004	.0007
%RSD	.2749	868.2	1183.	.3198	.1406	.6909	51.84
#1	4.939	.0020	.0114	2.369	.0480	-.0632	.0018
#2	4.958	-.0027	-.0145	2.380	.0481	-.0638	.0008
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.29	.0026	.0004	-.0007	23.46	-.0081	24.15
Stddev	.07	.0000	.0015	.0040	.05	.0008	.03
%RSD	.2962	.4312	373.5	611.4	.2101	9.814	.1368
#1	24.24	.0026	-.0006	.0022	23.43	-.0075	24.18
#2	24.34	.0026	.0014	-.0035	23.50	-.0087	24.13
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.0035	-.0017	9.760	-.0069	.0038	9.621
Stddev	.0001	.0025	.0008	.062	.0172	.0037	.047
%RSD	3.401	73.25	46.46	.6372	249.8	95.73	.4889
#1	.0020	.0053	-.0012	9.804	.0053	.0012	9.588
#2	.0019	.0017	-.0023	9.716	-.0190	.0064	9.655
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	-.0032	.0025	2.542	2.373	-.0030	-.0101
Stddev	.0062	.0031	.0006	.031	.001	.0002	.0118
%RSD	127.4	94.39	25.28	1.205	.0271	7.414	116.7
#1	.0005	-.0054	.0021	2.520	2.374	-.0032	-.0018
#2	.0093	-.0011	.0030	2.563	2.373	-.0029	-.0184
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4613	.4656	5.099
Stddev	.0040	.0006	.034
%RSD	.8696	.1273	.6618
#1	.4642	.4652	5.075
#2	.4585	.4660	5.123
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB3 Run Time: 11/06/06 11:34

Int. Std.	Sc3572
Units	Cts/S
Avg	360.62
Stddev	1.40
%RSD	.38731
#1	361.60
#2	359.63

Method: INTSTD6C Sample Name: CCB3 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:36 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0130	-.0254	-.0132	.0004	-.0001	-.0012	.0005
Stddev	.0166	.0060	.0096	.0000	.0001	.0023	.0003
%RSD	128.6	23.57	73.16	4.968	75.67	186.4	61.40
#1	-.0247	-.0212	-.0200	.0004	-.0001	.0004	.0007
#2	-.0012	-.0296	-.0064	.0004	-.0002	-.0029	.0003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	-.0019	-.0009	.0000	-.0039	.0022	L -.0256
Stddev	.0002	.0046	.0002	.0004	.0033	.0020	.0123
%RSD	6.980	235.1	18.62	5665.	84.23	89.27	48.09
#1	.0030	-.0052	-.0010	-.0003	-.0063	.0036	-.0344
#2	.0033	.0013	-.0008	.0003	-.0016	.0008	-.0169
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0124	H .0467	.0009	.0001	.0000	.0005	.0139
Stddev	.0037	.0442	.0004	.0002	.004	.0014	.0037
%RSD	29.84	94.57	38.86	228.4	12420.	284.2	26.76
#1	-.0098	.0155	.0012	.0003	.0026	.0015	.0112
#2	-.0150	.0780	.0007	-.0001	-.0027	-.0005	.0165
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0095	-.0010	.0740	.0011	-.0010	-.0001	-.0145
Stddev	.0060	.0002	.0029	.0091	.0012	.0009	.0018
%RSD	62.88	25.78	3.889	797.3	124.8	804.8	12.47
#1	-.0053	-.0011	.0761	.0076	-.0018	.0005	-.0132
#2	-.0137	-.0008	.0720	-.0053	-.0001	-.0008	-.0157
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0091	.0003	-.0040	-.0018	.0001	.0216
Stddev	.0028	.0013	.0184	.0010	.0000	.0133
%RSD	30.42	486.6	461.4	55.00	1.328	61.63
#1	-.0110	.0012	-.0170	-.0011	.0001	.0122
#2	-.0071	-.0007	.0090	-.0025	.0001	.0311
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB3 Run Time: 11/06/06 11:36

Int. Std.	Sc3572
Units	Cts/S
Avg	351.45
Stddev	.50
%RSD	.14205
#1	351.09
#2	351.80

Method: INTSTD6C Sample Name: K0608882-030 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:39 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1425	-.0045	-.0216	.0028	.0000	1.343	.0008
#1	.1747	.0037	-.0318	.0030	.0000	1.342	.0006
#2	.1104	-.0128	-.0113	.0025	.0000	1.344	.0011

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	125.2	-.0004	.0018	-.0054	.2353	-.0004	382.8
#1	126.7	.0018	.0033	-.0103	.2389	-.0045	382.9
#2	123.6	-.0025	.0004	-.0006	.2317	.0038	382.7

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0109	.0012	-.0011	131.8	.0084	.0080	>180.0
#1	.0110	-.0003	-.0017	131.5	.0158	.0091	>180.0
#2	.0107	.0028	-.0006	132.0	.0010	.0070	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0117	-.0021	.0073	.1661	1.504	.0029	-.0580
#1	-.0149	.0002	.0073	.1517	1.500	.0049	-.0619
#2	-.0085	-.0043	.0074	.1805	1.509	.0008	-.0541

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0565	2.310	>90.00
#1	.0551	2.343	>90.00
#2	.0579	2.276	>90.00

Int. Std.	Sc3572
Units	Cts/S
Avg	332.97
#1	328.51
#2	337.42

Method: INTSTD6C Sample Name: K0608882-030L Operator: WM
Comment: 70103 1/5 DILUTION
Run Time: 11/06/06 11:42 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0161	-.0286	-.0107	.0002	.0001	.2809	.0004
#1	.0119	-.0166	-.0118	.0004	.0001	.2842	.0005
#2	.0203	-.0406	-.0095	.0000	.0001	.2775	.0003

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.82	.0020	.0005	-.0087	.0548	.0029	75.67
#1	25.66	.0021	.0005	-.0081	.0552	.0083	75.72
#2	25.98	.0020	.0006	-.0092	.0544	-.0025	75.62

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.0018	-.0014	25.88	-.0095	.0075	>180.0
#1	.0022	.0007	.0014	25.52	-.0328	.0076	>180.0
#2	.0023	.0028	-.0041	26.23	.0137	.0074	>180.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0048	-.0058	.0011	-.0343	.3037	-.0031	-.0283
#1	-.0025	-.0078	.0010	-.0343	.3066	-.0050	-.0222
#2	-.0070	-.0038	.0013	-.0343	.3009	-.0012	-.0345

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0113	.4570	54.31
#1	.0123	.4559	54.40
#2	.0104	.4581	54.22

Int. Std.	Sc3572
Units	Cts/S
Avg	349.48
#1	351.42
#2	347.55

Method: INTSTD6C Sample Name: CCVA4 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:45 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.6280	Q .4482	.4609	.4618	.5049	.4727	.4841
Stddev	.0215	.0209	.0101	.0017	.0036	.0031	.0027
%RSD	3.427	4.653	2.195	.3621	.7046	.6532	.5615
#1	.6128	.4630	.4537	.4606	.5024	.4749	.4821
#2	.6432	.4335	.4680	.4629	.5074	.4706	.4860
Check ?	None	QC Fail	QC Pass	None	None	QC Pass	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5113	.4871	.4799	.4939	.4846	.4708	2.479
Stddev	.0013	.0012	.0005	.0019	.0028	.0120	.006
%RSD	.2564	.2561	.0993	.3837	.5876	2.544	.2395
#1	.5104	.4863	.4802	.4953	.4826	.4623	2.483
#2	.5122	.4880	.4795	.4926	.4866	.4792	2.475
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4707	.4789	.4763	5.162	.4700	.4863	.7733
Stddev	.0016	.0022	.0018	.027	.0126	.0034	.0153
%RSD	.3424	.4644	.3846	.5238	2.672	.7074	1.977
#1	.4696	.4805	.4750	5.181	.4789	.4888	.7842
#2	.4718	.4774	.4776	5.142	.4611	.4839	.7625
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4883	.4786	.4814	-.0050	.2511	.4829	.4854
Stddev	.0053	.0034	.0022	.0011	.0056	.0056	.0109
%RSD	1.093	.7065	.4580	22.89	2.219	1.158	2.237
#1	.4920	.4763	.4798	-.0042	.2471	.4789	.4931
#2	.4845	.4810	.4829	-.0058	.2550	.4868	.4777
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0031	.0006	.0643
Stddev	.0017	.0002	.0138
%RSD	55.82	28.68	21.46
#1	.0043	.0008	.0741
#2	.0019	.0005	.0545
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA4 Run Time: 11/06/06 11:45

Int. Std.	Sc3572
Units	Cts/S
Avg	361.68
Stddev	1.87
%RSD	.51601
#1	363.00
#2	360.36

Method: INTSTD6C Sample Name: CCVB4 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:48 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.955	-.0017	-.0044	2.451	.0498	-.0682	.0023
Stddev	.022	.0012	.0077	.014	.0001	.0027	.0007
%RSD	.4359	69.35	175.7	.5887	.1164	3.937	31.18
#1	4.940	-.0026	-.0099	2.441	.0498	-.0701	.0018
#2	4.970	-.0009	.0011	2.461	.0499	-.0663	.0028
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.13	.0001	.0003	-.0049	24.32	-.0023	24.37
Stddev	.03	.0011	.0005	.0016	.01	.0006	.00
%RSD	.1235	1035.	175.1	33.17	.0446	27.35	.0144
#1	25.15	-.0007	.0006	-.0060	24.31	-.0019	24.38
#2	25.10	.0009	-.0001	-.0037	24.33	-.0028	24.37
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0024	-.0022	9.791	.0021	.0075	10.02
Stddev	.0001	.0047	.0015	.032	.0120	.0014	.02
%RSD	3.654	194.5	68.06	.3268	572.7	18.07	.2306
#1	.0023	.0058	-.0032	9.813	.0106	.0066	10.00
#2	.0022	-.0009	-.0011	9.768	-.0064	.0085	10.03
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	-.0031	.0025	2.460	2.388	.0004	-.0138
Stddev	.0027	.0001	.0002	.023	.004	.0009	.0213
%RSD	56.27	3.300	10.01	.9496	.1531	216.2	153.8
#1	.0068	-.0030	.0023	2.477	2.391	-.0002	.0012
#2	.0029	-.0032	.0027	2.444	2.386	.0010	-.0289
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4644	.4799	5.131
Stddev	.0008	.0013	.015
%RSD	.1809	.2720	.2971
#1	.4650	.4790	5.142
#2	.4638	.4808	5.120
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	5.000
Range	10.00%	10.00%	10.00%

Sample Name: CCVB4 Run Time: 11/06/06 11:48

Int. Std.	Sc3572
Units	Cts/S
Avg	351.19
Stddev	.90
%RSD	.25694
#1	351.82
#2	350.55

Method: INTSTD6C Sample Name: CCB4 Operator: WM
Comment: 70103
Run Time: 11/06/06 11:52 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0073	-.0106	-.0068	.0003	-.0001	-.0031	-.0004
Stddev	.0456	.0032	.0026	.0006	.0001	.0002	.0004
%RSD	623.5	30.21	37.75	240.3	79.28	6.098	104.5
#1	-.0395	-.0129	-.0086	-.0002	.0000	-.0029	-.0001
#2	.0249	-.0084	-.0050	.0007	-.0001	-.0032	-.0007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0064	.0002	.0004	-.0097	.0000	L -.0322
Stddev	.0037	.0130	.0024	.0003	.0007	.0006	.0051
%RSD	1489.	201.8	1243.	88.25	7.346	4183.	15.87
#1	.0024	-.0028	-.0015	.0001	-.0102	.0005	-.0358
#2	-.0029	.0156	.0019	.0006	-.0092	-.0004	-.0286
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0076	H .0220	.0016	.0000	-.0009	-.0005	.0694
Stddev	.0088	.0132	.0015	.0001	.0005	.0014	.0495
%RSD	116.0	59.99	96.58	129.8	56.17	294.8	71.29
#1	-.0138	.0313	.0027	.0001	-.0005	-.0015	.0344
#2	-.0014	.0127	.0005	.0000	-.0013	.0005	.1044
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0159	.0049	.0974	.0037	-.0039	-.0008	-.0181
Stddev	.0090	.0010	.0072	.0004	.0015	.0001	.0059
%RSD	56.51	19.76	7.413	9.986	38.16	18.33	32.81
#1	-.0222	.0055	.0923	.0039	-.0029	-.0009	-.0139
#2	-.0095	.0042	.1025	.0034	-.0050	-.0007	-.0223
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0062	-.0020	.0038	-.0013	.0002	.0425
Stddev	.0045	.0031	.0047	.0019	.0000	.0028
%RSD	73.54	160.8	125.1	141.9	5.905	6.547
#1	-.0030	-.0042	.0071	-.0027	.0002	.0445
#2	-.0094	.0003	.0004	.0000	.0002	.0406
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB4 Run Time: 11/06/06 11:52

Int. Std.	Sc3572
Units	Cts/S
Avg	342.99
Stddev	.22
%RSD	.06419
#1	343.14
#2	342.83

Service Request # K0608882 (RPTM)_____
Calibration _____102406C_____
QC in calibration__102406C_____
QC Service Request # K0608886_____

STARLIMS run # 68852

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	X		
2. ICV within 10 % of true value	X		
3. CCV's in control	X		
4. CCB's and/or ICB's below MRL	X		
5. Method blank below MRL	X		
6. LCS in control	X		
7. Spike and duplicate in control	X		
8. All analytes within instrument linear range	X		
9. Adequate rinse out time allowed	X		
10. Internal standards in control	X		
11. Interferences checked	X		
12. Se over MRL			X
13. CRA run	X		
14. ICSA and ICSAB in control	X		
15. Serial dilution run	X		
16. Post spike in control	X		

Comments: Use MRL for Ni-60 = 0.8 ppb

Primary Review by _____ Date 10/24/06
Secondary Review by _____ Date 10/24/06
R:\icp\misc\data review forms\icpms review form

Sample List

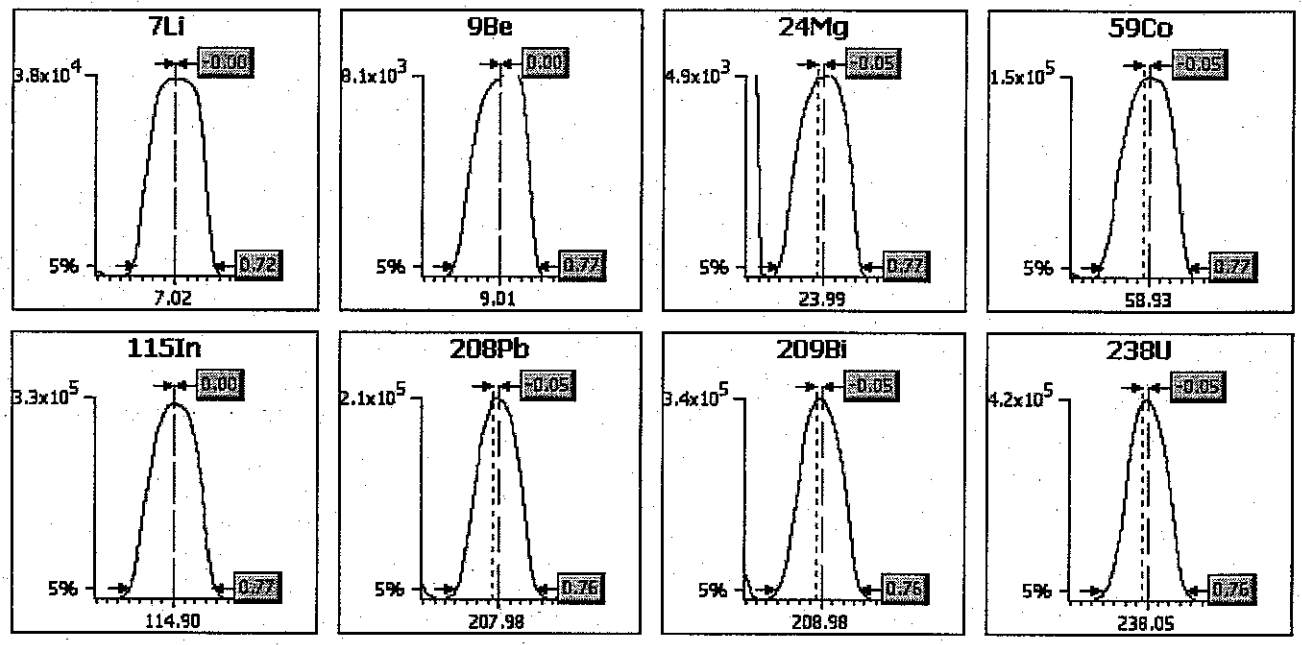
No	Label	Type	Weight	Rack	Row	Col	Height
1	Calibration Blank	Blank	1.000	0	1	1	150
2	25.0ppb Std. MS9-90-B	Fully Quant Standard	1.000	0	1	2	150
3	ICV1 MS9-90-C	Unknown	1.000	0	1	3	150
4	CCV1 MS9-90-B	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	WATER CRA MS9-90-D	Unknown	1.000	0	1	4	150
8	ICSA MS9-90-E	Unknown	1.000	0	1	5	150
9	ICSA+B MS9-90-F	Unknown	1.000	0	1	6	150
10	K8886-MB	Unknown	1.000	1	1	1	150
11	K8886-LCSW	Unknown	1.000	1	1	2	150
12	K8886-LCSW DUP	Unknown	1.000	1	1	3	150
13	K8886-02 1/2 ~~1/5~~	Unknown	1.000	1	1	4	150
14	K8886-02L 1/5	Unknown	1.000	1	1	5	150
15	K8886-02A +20PPB	Unknown	1.000	1	1	6	150
16	K8886-03 50	Unknown	1.000	1	1	7	150
17	CCV2 MS9-90-B	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K8843-06	Unknown	1.000	1	1	8	150
20	K8843-08	Unknown	1.000	1	1	9	150
21	K8843-09	Unknown	1.000	1	1	10	150
22	K8882-21	Unknown	1.000	1	1	11	150
23	K8882-22	Unknown	1.000	1	1	12	150
24	K8882-23	Unknown	1.000	1	2	1	150
25	K8882-24	Unknown	1.000	1	2	2	150
26	K8882-25	Unknown	1.000	1	2	3	150
27	K8882-26	Unknown	1.000	1	2	4	150
28	K8882-27	Unknown	1.000	1	2	5	150
29	CCV3 MS9-90-B	Unknown	1.000	0	1	2	150
30	CCB3	Unknown	1.000	0	1	1	150
31	K8882-28	Unknown	1.000	1	2	6	150
32	K8882-29	Unknown	1.000	1	2	7	150
33	K8882-30	Unknown	1.000	1	2	8	150
34	K8843-06 1/20	Unknown	1.000	1	2	9	150
35	K8843-08 1/50	Unknown	1.000	1	2	10	150
36	CCV4 MS9-90-B	Unknown	1.000	0	1	2	150
37	CCB4	Unknown	1.000	0	1	1	150

Performance Report

Sample details
Acquired at : 10/24/2006 09:06:28 AM
Report name : Kelso Performance Report [07/11/2006 10:41:59 AM]

Mass Calibration verification

Acquisition parameters
Sweeps : 100
Dwell : 1.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.87	0.67	0.10	0.72	-0.00
9Be	0.87	0.67	0.10	0.77	0.00
24Mg	0.87	0.67	0.10	0.77	-0.05
59Co	0.87	0.67	0.10	0.77	-0.05
115In	0.87	0.67	0.10	0.77	0.00
208Pb	0.87	0.67	0.10	0.76	-0.05
209Bi	0.87	0.67	0.10	0.76	-0.05
238U	0.87	0.67	0.10	0.76	-0.05

Sample details
Acquired at : 10/24/2006 09:06:28 AM
Report name : Kelso Performance Report [07/11/2006 10:41:59 AM]

Tune conditions

Major	
Extraction	-204
Lens 1	1.2
Focus	18.0
D1	-45.5
Pole Bias	0.9
Hexapole Bias	6.8
Nebuliser	0.84
Sampling Depth	100

Minor	
Lens 2	-23.5
Lens 3	-176.5
Forward power	1302
Horizontal	58
Vertical	562
D2	-154
DA	-45.5
Cool	14.0
Auxiliary	0.85

Global	
Standard resolution	125
High resolution	125
Analogue Detector	1951
PC Detector	3716

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	208Pb	209Bi	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	-
	Countrate	<1	>1000	>1000	>1000	>1000	>1000	>1000	>1000	<10
1	09:07:00 AM	0.000	39417.019	8284.773	5100.180	150463.44	335151.65	225660.15	356239.74	0.250
2	09:08:03 AM	0.000	39663.588	8381.362	5178.725	151440.21	336447.98	226656.48	357033.49	2.250
3	09:09:05 AM	0.000	39761.012	8578.045	5155.962	153050.34	338268.46	228580.01	359698.52	0.000
4	09:10:08 AM	0.250	40192.152	8473.447	5253.267	153804.91	340865.56	230142.70	365452.05	0.500
5	09:11:11 AM	0.500	40520.856	8577.294	5337.066	155294.42	342274.03	231497.96	365252.26	0.750
x		0.150	39910.925	8458.984	5205.040	152810.66	338601.54	228507.46	360735.21	0.750
σ		0.22	441.22	127.24	92.00	1910.67	2969.15	2406.02	4405.65	0.88
%RSD		149.071	1.106	1.504	1.767	1.250	0.877	1.053	1.221	117.851

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	Countrate	>1000
1	09:07:00 AM	442897.91
2	09:08:03 AM	446077.61
3	09:09:05 AM	450410.35
4	09:10:08 AM	455992.30
5	09:11:11 AM	457022.65
x		450480.16
σ		6125.06
%RSD		1.360

Result : The performance report passed.

Dilution Corrected Concentrations

BZ 10/24/06

Calibration Blank 10/24/2006 02:12:40 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:40	-0.0620	-0.0126	-0.0030	0.0005	-0.0263	-0.0042	-0.0559	99.17%	0.0217
2	14:13:12	0.0284	-0.0130	0.0023	-0.0208	-0.0065	-0.0657	0.0005	99.86%	0.0068
3	14:13:44	0.0336	0.0255	0.0007	0.0203	0.0328	0.0699	0.0554	100.96%	-0.0285
x		0.0000	-0.0000	0.0000	-0.0000	-0.0000	-0.0000	0.0000	100.00%	-0.0000
σ		0.0538	0.0221	0.0027	0.0205	0.0300	0.0679	0.0556	0.90%	0.0258
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.90	0.0000

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:12:40	-0.0141	-0.0319	0.0452	99.00%	99.44%	-0.0005	-0.0003	-0.0014
2	14:13:12	-0.1070	0.0791	-0.0437	101.11%	100.77%	-0.0024	0.0024	-0.0000
3	14:13:44	0.1211	-0.0472	-0.0015	99.89%	99.79%	0.0029	-0.0021	0.0014
x		0.0000	-0.0000	-0.0000	100.00%	100.00%	-0.0000	-0.0000	-0.0000
σ		0.1147	0.0689	0.0445	1.06%	0.69%	0.0027	0.0023	0.0014
%RSD		0.0000	0.0000	0.0000	1.06	0.69	0.0000	0.0000	0.0000

25.0ppb Std. MS9-90-B 10/24/2006 02:15:10 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:10	24.5542	23.9789	24.4227	24.2801	24.3719	24.1611	24.3575	99.83%	24.2178
2	14:15:42	м25.3254	м25.6638	м25.3087	м25.3459	м25.2282	м25.4711	м25.4548	99.33%	м25.6209
3	14:16:13	м25.1204	м25.3573	м25.2686	м25.3740	м25.3999	м25.3678	м25.1877	99.52%	м25.1613
x		м25.0000	м25.0000	м25.0000	м25.0000	м25.0000	м25.0000	м25.0000	99.56%	м25.0000
σ		м0.3995	м0.8975	м0.5004	м0.6236	м0.5507	м0.7284	м0.5722	0.25%	м0.7153
%RSD		м1.5979	м3.5899	м2.0014	м2.4945	м2.2029	м2.9134	м2.2889	0.25	м2.8613

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:15:10	24.4330	24.4186	23.8450	97.89%	97.49%	24.8251	24.8677	24.7362
2	14:15:42	м25.1970	м25.1212	м25.6053	98.40%	96.92%	м25.3199	м25.1554	м25.2827
3	14:16:13	м25.3700	м25.4602	м25.5498	99.15%	97.71%	24.8549	24.9769	24.9810
x		м25.0000	м25.0000	м25.0000	98.48%	97.38%	м25.0000	м25.0000	м25.0000
σ		м0.4986	м0.5313	м1.0007	0.63%	0.41%	м0.2775	м0.1452	м0.2738
%RSD		м1.9943	м2.1252	м4.0027	0.64	0.42	м1.1099	м0.5808	м1.0950

ICV1 MS9-90-C 10/24/2006 02:17:41 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:17:41	м25.8128	м25.9754	12.3180	12.5901	24.4626	м29.1218	м27.0114	97.62%	м25.3165
2	14:18:12	м26.2125	м26.2843	12.7713	12.7415	24.9386	м29.2005	м27.8839	97.79%	м25.7818
3	14:18:44	м25.8351	м25.6685	12.3912	12.5013	24.8686	м28.4131	м27.8220	97.30%	м25.6674
x		м25.9535	м25.9761	12.4935	12.6110	24.7566	м28.9118	м27.5724	97.57%	м25.5886
σ		м0.2246	м0.3079	0.2433	0.1215	0.2570	м0.4337	м0.4868	0.25%	м0.2425
%RSD		м0.8654	м1.1852	1.9475	0.9633	1.0382	м1.5000	м1.7656	0.26	м0.9476

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:17:41	м25.2886	м26.1413	м26.1381	95.51%	95.59%	24.1246	м25.4209	м25.2868
2	14:18:12	м25.0514	м26.7911	м25.3316	98.06%	96.86%	24.6603	м25.9388	м25.5054
3	14:18:44	м26.2438	м26.3322	м26.4365	96.76%	96.39%	24.3582	м25.5963	м25.4902
x		м25.5280	м26.4215	м25.9687	96.77%	96.28%	24.3810	м25.6520	м25.4275
σ		м0.6312	м0.3340	м0.5716	1.28%	0.64%	0.2686	м0.2634	м0.1221
%RSD		м2.4726	м1.2640	м2.2011	1.32	0.67	1.1016	м1.0269	м0.4800

CCV1 MS9-90-B 10/24/2006 02:20:10 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:10	24.9280	M 25.0018	M 25.0251	24.9611	24.5406	24.3393	24.6348	97.23%	24.9151
2	14:20:42	24.8215	24.9540	24.8570	M 25.2212	M 25.3924	M 25.0171	24.8884	96.87%	M 25.0352
3	14:21:13	M 25.3233	M 25.1733	M 25.1128	M 25.1657	24.8432	M 25.2861	M 25.2099	97.86%	M 25.1605
x		M 25.0243	M 25.0430	M 24.9983	M 25.1160	M 24.9254	M 24.8808	M 24.9110	97.32%	M 25.0369
σ		M 0.2644	M 0.1153	M 0.1300	M 0.1370	M 0.4318	M 0.4879	M 0.2882	0.50%	M 0.1227
%RSD		M 1.0564	M 0.4605	M 0.5200	M 0.5454	M 1.7324	M 1.9609	M 1.1569	0.51	M 0.4901

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:20:10	24.5982	M 25.3862	M 25.2760	94.73%	93.58%	M 25.3162	M 25.1925	M 25.3287
2	14:20:42	M 25.3180	M 25.7926	M 25.7011	96.05%	95.67%	M 25.1412	M 25.2204	M 25.2749
3	14:21:13	M 25.3710	M 25.8704	M 26.1267	97.89%	96.33%	24.8801	24.8653	24.8299
x		M 25.0957	M 25.6831	M 25.7013	96.22%	95.19%	M 25.1125	M 25.0927	M 25.1445
σ		M 0.4316	M 0.2600	M 0.4254	1.59%	1.43%	M 0.2195	M 0.1975	M 0.2738
%RSD		M 1.7200	M 1.0124	M 1.6550	1.65	1.50	M 0.8739	M 0.7870	M 1.0888

ICB1 10/24/2006 02:22:34 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:22:34	0.0355	0.1979	-0.0229	-0.0412	-0.0806	-0.4341	-0.0794	97.03%	-0.0623
2	14:23:06	0.0115	-0.1426	-0.0100	-0.0185	-0.0847	-0.5201	-0.0790	98.21%	-0.1121
3	14:23:37	-0.1210	0.0857	-0.0118	-0.0353	-0.0418	-0.4897	-0.0842	98.92%	-0.0628
x		-0.0247	0.0470	-0.0149	-0.0317	-0.0690	-0.4813	-0.0809	98.06%	-0.0790
σ		0.0843	0.1735	0.0070	0.0118	0.0236	0.0436	0.0029	0.96%	0.0286
%RSD		341.5220	369.2477	46.6930	37.2164	34.2522	9.0692	3.5520	0.97	36.2016

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:22:34	0.4633	0.0673	-0.0562	95.99%	95.19%	0.0013	0.0024	0.0069
2	14:23:06	0.9001	0.1745	-0.1761	96.97%	96.46%	0.0248	0.0175	0.0256
3	14:23:37	0.3460	-0.0465	-0.1685	97.55%	97.01%	0.0260	0.0269	0.0297
x		0.5698	0.0651	-0.1336	96.83%	96.22%	0.0174	0.0156	0.0207
σ		0.2920	0.1105	0.0671	0.79%	0.94%	0.0139	0.0124	0.0122
%RSD		51.2481	169.7316	50.2360	0.81	0.97	80.1315	79.0990	58.8454

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:24:58	0.1586	0.2549	-0.0404	-0.0491	-0.2059	-0.6468	-0.1450	96.52%	-0.0016
2	14:25:29	0.0315	0.0020	-0.0335	-0.0492	-0.1875	-0.6982	-0.1676	98.38%	-0.2041
3	14:26:01	-0.0642	0.3089	-0.0445	-0.0508	-0.0754	-0.6812	-0.1060	98.79%	-0.1339
x		0.0420	0.1886	-0.0395	-0.0497	-0.1563	-0.6754	-0.1396	97.90%	-0.1132
σ		0.1118	0.1638	0.0055	0.0010	0.0706	0.0262	0.0312	1.21%	0.1029
%RSD		266.3682	86.8598	14.0530	1.9301	45.1733	3.8813	22.3400	1.24	90.8751

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:24:58	0.1571	-0.0670	0.1183	94.77%	94.57%	-0.0052	-0.0041	-0.0047
2	14:25:29	0.6378	-0.3265	-0.3690	97.43%	96.36%	-0.0012	-0.0018	0.0010
3	14:26:01	0.3533	-0.1999	-0.1614	97.45%	96.75%	0.0089	0.0053	0.0118
x		0.3827	-0.1978	-0.1374	96.55%	95.89%	0.0008	-0.0002	0.0027
σ		0.2417	0.1297	0.2445	1.54%	1.16%	0.0073	0.0049	0.0084
%RSD		63.1452	65.6027	178.0141	1.60	1.21	887.6761	2455.2209	315.5878

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:22	1.9641	1.9106	0.9608	0.9595	4.5326	4.1705	4.4592	97.25%	5.0200
2	14:27:54	2.0507	2.0595	0.9351	0.9364	4.5739	4.0371	4.5539	98.37%	5.1416
3	14:28:26	2.0662	1.8833	0.9481	0.9418	4.5527	4.1246	4.3457	98.83%	4.8907
x		2.0270	1.9511	0.9480	0.9459	4.5531	4.1108	4.4529	98.15%	5.0174
σ		0.0550	0.0948	0.0129	0.0121	0.0206	0.0678	0.1043	0.81%	0.1255
%RSD		2.7149	4.8600	1.3573	1.2791	0.4529	1.6493	2.3416	0.82	2.5007

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:27:22	10.5193	9.6912	9.7155	95.17%	94.67%	0.1995	0.1927	0.1854
2	14:27:54	10.4671	9.8332	10.1676	97.82%	97.11%	0.1867	0.1797	0.1893
3	14:28:26	10.2696	10.1363	9.5584	96.83%	97.15%	0.1819	0.1927	0.1891
x		10.4187	9.8869	9.8138	96.61%	96.31%	0.1894	0.1883	0.1879
σ		0.1317	0.2273	0.3163	1.34%	1.42%	0.0091	0.0075	0.0022
%RSD		1.2644	2.2993	3.2227	1.39	1.47	4.8023	3.9792	1.1578

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:29:48	0.1140	0.5143	0.0862	0.1768	0.5228	0.5880	0.3230	89.49%	0.0569
2	14:30:20	-0.1329	0.3164	0.0649	0.1537	0.4787	0.5899	0.3106	90.71%	-0.0151
3	14:30:51	-0.0394	0.1789	0.0666	0.1756	0.4399	0.5301	0.3156	93.16%	-0.1968
x		-0.0194	0.3365	0.0726	0.1687	0.4805	0.5693	0.3164	91.12%	-0.0517
σ		0.1247	0.1686	0.0118	0.0130	0.0415	0.0340	0.0062	1.87%	0.1308
%RSD		641.0621	50.0955	16.2705	7.7152	8.6303	5.9720	1.9741	2.05	253.0647

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:29:48	0.3731	-0.2378	0.0731	89.34%	92.64%	0.1028	0.1070	0.0986
2	14:30:20	0.3197	-0.5793	-0.1229	90.18%	93.59%	0.0973	0.1135	0.0980
3	14:30:51	0.8303	-0.9259	-0.3270	92.77%	95.48%	0.0953	0.1140	0.1074
x		0.5077	-0.5810	-0.1256	90.76%	93.90%	0.0985	0.1115	0.1013
σ		0.2807	0.3441	0.2001	1.78%	1.45%	0.0039	0.0039	0.0053
%RSD		55.2837	59.2224	159.3122	1.97	1.54	3.9488	3.5371	5.1865

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:17	20.5298	20.7280	19.9030	19.9263	20.2391	18.7072	18.9112	91.49%	20.1247
2	14:32:48	19.7347	20.2254	19.3364	19.6365	20.0571	18.9118	19.1805	92.27%	19.7557
3	14:33:23	19.8208	20.1871	19.4421	19.4351	20.1752	18.7358	19.0424	92.86%	19.8300
x		20.0284	20.3801	19.5605	19.6660	20.1571	18.7849	19.0447	92.21%	19.9035
σ		0.4363	0.3018	0.3013	0.2469	0.0923	0.1108	0.1347	0.68%	0.1951
%RSD		2.1785	1.4810	1.5404	1.2556	0.4581	0.5899	0.7070	0.74	0.9805

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:32:17	0.5539	-0.6010	-0.3305	91.09%	93.60%	0.0924	0.0952	0.0963
2	14:32:48	0.7227	-0.6714	-0.0123	91.79%	95.23%	0.0949	0.0875	0.0913
3	14:33:23	0.5109	-0.3061	-0.2963	92.71%	96.74%	0.0891	0.0917	0.0938
x		0.5958	-0.5261	-0.2130	91.86%	95.19%	0.0921	0.0915	0.0938
σ		0.1120	0.1938	0.1747	0.81%	1.57%	0.0029	0.0038	0.0025
%RSD		18.7958	36.8395	81.9939	0.89	1.65	3.1773	4.2007	2.6821

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:09	-0.0523	-0.2285	-0.0621	-0.0764	-0.3647	-0.9399	-0.3610	96.86%	-0.1655
2	14:40:41	-0.0822	-0.0568	-0.0581	-0.0805	-0.3620	-0.9985	-0.3711	98.15%	-0.1738
3	14:41:12	-0.1751	-0.0940	-0.0550	-0.0545	-0.2923	-0.8585	-0.3078	96.71%	-0.1716
x		-0.1032	-0.1264	-0.0584	-0.0705	-0.3396	-0.9323	-0.3466	97.24%	-0.1703
σ		0.0640	0.0903	0.0036	0.0140	0.0410	0.0703	0.0340	0.79%	0.0043
%RSD		62.0359	71.4628	6.0837	19.8056	12.0850	7.5456	9.8217	0.81	2.5131

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:40:09	-0.6393	0.1433	-0.3575	97.49%	99.79%	-0.0049	-0.0067	-0.0052
2	14:40:41	-0.1837	-0.2775	-0.2577	98.67%	101.06%	-0.0006	-0.0079	-0.0051
3	14:41:12	-0.1688	-0.0367	-0.2066	98.72%	101.37%	-0.0028	-0.0088	-0.0055
x		-0.3306	-0.0570	-0.2739	98.29%	100.74%	-0.0028	-0.0078	-0.0053
σ		0.2674	0.2111	0.0767	0.70%	0.84%	0.0022	0.0011	0.0002
%RSD		80.8841	370.5190	28.0125	0.71	0.83	78.8353	13.4887	3.8776

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:58	19.0667	19.0244	19.8797	19.8597	19.2661	19.3033	19.0974	94.96%	19.5177
2	14:44:30	19.2898	19.0383	19.7554	19.9283	19.4493	19.2095	19.2673	95.09%	19.3616
3	14:45:01	19.9720	19.2764	19.9047	20.0194	19.5518	18.7394	19.4502	95.01%	19.2793
x		19.4429	19.1130	19.8466	19.9358	19.4224	19.0841	19.2717	95.02%	19.3862
σ		0.4717	0.1416	0.0799	0.0801	0.1447	0.3021	0.1764	0.06%	0.1211
%RSD		2.4259	0.7411	0.4028	0.4018	0.7452	1.5832	0.9155	0.07	0.6246

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:43:58	16.7020	18.8057	18.8860	97.78%	100.20%	20.5459	20.2823	20.4167
2	14:44:30	17.0544	19.1195	18.9840	97.53%	100.96%	20.5572	20.7004	20.6237
3	14:45:01	17.7756	18.7114	18.5004	97.12%	100.06%	21.0375	20.8371	20.9285
x		17.1773	18.8789	18.7902	97.48%	100.41%	20.7136	20.6066	20.6563
σ		0.5473	0.2136	0.2556	0.33%	0.48%	0.2806	0.2890	0.2575
%RSD		3.1861	1.1317	1.3605	0.34	0.48	1.3548	1.4025	1.2464

K8886-LCSW DUP 10/24/2006 02:46:22 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:22	19.5078	19.7385	20.3368	20.2546	19.1990	19.3259	18.9681	93.57%	19.6188
2	14:46:53	19.2476	19.2458	19.6624	19.8510	19.3131	18.6198	18.6465	96.49%	19.5989
3	14:47:25	19.7055	19.6283	19.8187	19.9309	19.1590	19.4844	18.9308	96.63%	19.6540
x		19.4870	19.5375	19.9393	20.0122	19.2237	19.1434	18.8485	95.56%	19.6239
σ		0.2297	0.2586	0.3530	0.2137	0.0800	0.4603	0.1759	1.73%	0.0279
%RSD		1.1785	1.3236	1.7704	1.0679	0.4159	2.4044	0.9332	1.81	0.1422

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:46:22	19.3419	19.3289	18.9748	95.16%	99.23%	20.8250	20.7935	20.7872
2	14:46:53	18.4714	18.9993	19.1226	98.19%	102.43%	20.4550	20.3982	20.3580
3	14:47:25	19.3054	19.7593	20.2051	98.39%	101.99%	20.7366	20.6417	20.7706
x		19.0395	19.3625	19.4342	97.25%	101.22%	20.6722	20.6111	20.6386
σ		0.4924	0.3811	0.6717	1.81%	1.73%	0.1932	0.1994	0.2431
%RSD		2.5860	1.9683	3.4564	1.86	1.71	0.9347	0.9676	1.1781

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:47	M 143.1325	M 141.3086	TM 170.3448	M 175.4448	13.0450	M 25.2065	13.1979	94.29%	M 40.9816
2	14:49:18	M 142.1986	M 140.7026	TM 169.9717	M 172.7830	12.9584	M 25.5210	13.1867	95.10%	M 40.5141
3	14:49:50	M 144.6022	M 139.3224	TM 169.2108	M 173.3312	12.9058	M 25.6992	13.3581	95.71%	M 40.8097
x		M 143.3111	M 140.4445	TM 169.8424	M 173.8530	12.9697	M 25.4756	13.2476	95.03%	M 40.7685
σ		M 1.2117	M 1.0179	TM 0.5779	M 1.4055	0.0703	M 0.2495	0.0959	0.71%	M 0.2364
%RSD		M 0.8455	M 0.7248	TM 0.3403	M 0.8085	0.5418	M 0.9793	0.7237	0.75	M 0.5800

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:48:47	1.7998	-0.3267	0.4650	97.80%	115.80%	3.4002	3.8432	3.6875
2	14:49:18	0.8884	0.0371	-0.1238	99.02%	116.54%	3.4060	3.8841	3.7269
3	14:49:50	1.2482	-0.1524	0.0136	99.72%	117.88%	3.4174	3.8224	3.6881
x		1.3121	-0.1473	0.1183	98.85%	116.74%	3.4079	3.8499	3.7008
σ		0.4590	0.1820	0.3080	0.97%	1.05%	0.0088	0.0314	0.0226
%RSD		34.9840	123.5072	260.4896	0.99	0.90	0.2569	0.8156	0.6098

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:13	M 29.0840	M 29.5331	M 34.9388	M 35.0579	2.2511	5.1618	2.3078	93.54%	7.8617
2	14:51:44	M 28.5762	M 28.6643	M 34.1684	M 34.1325	2.2588	4.9487	2.2942	95.51%	7.9306
3	14:52:16	M 28.6959	M 28.6999	M 34.2645	M 33.9733	2.1753	4.6429	2.2136	97.09%	7.8405
x		M 28.7853	M 28.9658	M 34.4572	M 34.3879	2.2284	4.9178	2.2718	95.38%	7.8776
σ		M 0.2655	M 0.4916	M 0.4198	M 0.5857	0.0461	0.2608	0.0509	1.78%	0.0471
%RSD		M 0.9222	M 1.6972	M 1.2183	M 1.7031	2.0708	5.3033	2.2412	1.87	0.5980

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:51:13	0.3065	-0.3659	-0.3340	96.49%	102.12%	0.7428	0.8447	0.8071
2	14:51:44	-0.1261	0.0884	-0.2305	97.19%	103.14%	0.7283	0.8485	0.8233
3	14:52:16	-0.3160	0.0300	-0.3118	98.89%	103.28%	0.7401	0.8592	0.8035
x		-0.0452	-0.0825	-0.2921	97.52%	102.85%	0.7371	0.8508	0.8113
σ		0.3190	0.2471	0.0545	1.23%	0.63%	0.0077	0.0075	0.0106
%RSD		705.9484	299.4918	18.6623	1.26	0.61	1.0457	0.8791	1.3049

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User Pre-dilution: 1.000 PJ 10/25/06

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:39	M 182.3903	M 182.1091	TM 209.3252	M 214.6764	M 63.0334	M 74.3828	M 62.9012	95.97%	M 90.2991
2	14:54:11	M 184.2271	M 182.8697	TM 211.3138	M 215.3538	M 62.9240	M 75.6953	M 62.8298	97.28%	M 90.0123
3	14:54:43	M 187.5021	M 181.4277	TM 212.7728	M 217.5048	M 63.4470	M 76.3078	M 62.9933	97.34%	M 90.5581
x		M 184.7065	M 182.1355	TM 211.1373	M 215.8450	M 63.1348	M 75.4620	M 62.9081	96.86%	M 90.2899
σ		M 2.5894	M 0.7214	TM 1.7306	M 1.4768	M 0.2758	M 0.9835	M 0.0819	0.77%	M 0.2730
%RSD		M 1.4019	M 0.3961	TM 0.8196	M 0.6842	M 0.4369	M 1.3033	M 0.1303	0.80	M 0.3024

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:53:39	M 52.1145	M 52.2441	M 53.2579	96.77%	111.47%	M 48.8238	M 49.1210	M 49.6250
2	14:54:11	M 51.9923	M 53.0057	M 53.3366	97.80%	112.93%	M 48.9359	M 49.3443	M 49.3611
3	14:54:43	M 52.3698	M 53.2224	M 53.6198	99.26%	113.81%	M 48.2442	M 48.5986	M 49.0638
x		M 52.1589	M 52.8241	M 53.4047	97.94%	112.74%	M 48.6680	M 49.0213	M 49.3499
σ		M 0.1926	M 0.5138	M 0.1903	1.25%	1.18%	M 0.3712	M 0.3827	M 0.2808
%RSD		M 0.3692	M 0.9727	M 0.3564	1.28	1.05	M 0.7627	M 0.7807	M 0.5689

K8886-03 10/24/2006 02:56:04 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:04	20.6134	20.7303	8.9271	9.0143	10.9700	16.6888	12.1928	100.24%	6.8337
2	14:56:36	20.5614	20.6874	8.9011	8.9839	10.9195	16.1474	12.1553	103.19%	6.9259
3	14:57:07	20.3038	20.2966	8.8569	8.8875	10.8329	15.7079	12.0972	101.60%	6.8572
x		20.4929	20.5714	8.8950	8.9619	10.9074	16.1814	12.1484	101.68%	6.8723
σ		0.1657	0.2390	0.0355	0.0662	0.0694	0.4913	0.0482	1.48%	0.0479
%RSD		0.8088	1.1617	0.3991	0.7385	0.6359	3.0363	0.3966	1.45	0.6974

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:56:04	0.7966	-0.1855	0.3199	97.13%	97.61%	1.3807	1.5186	1.4661
2	14:56:36	0.6167	-0.4340	0.1511	98.94%	99.57%	1.3958	1.5224	1.4876
3	14:57:07	0.2008	-0.0543	0.0048	99.76%	100.05%	1.3891	1.5313	1.4670
x		0.5380	-0.2246	0.1586	98.61%	99.08%	1.3885	1.5241	1.4735
σ		0.3056	0.1929	0.1577	1.35%	1.29%	0.0076	0.0065	0.0121
%RSD		56.8013	85.8666	99.4386	1.37	1.30	0.5461	0.4262	0.8239

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:58:30	24.6307	24.2440	24.7554	24.8083	24.8183	M 25.9897	24.4784	96.64%	24.8586
2	14:59:01	24.0080	23.7472	24.2823	24.3018	24.4254	M 25.2304	24.2481	97.93%	24.4079
3	14:59:33	24.1482	23.7173	23.9778	24.2160	24.7069	24.9117	24.4204	98.72%	24.7030
x		24.2623	23.9028	24.3385	24.4420	24.6502	M 25.3773	24.3823	97.76%	24.6565
σ		0.3267	0.2958	0.3919	0.3201	0.2025	M 0.5538	0.1198	1.05%	0.2289
%RSD		1.3465	1.2376	1.6100	1.3097	0.8216	M 2.1823	0.4913	1.07	0.9285

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	14:58:30	M 26.0739	M 25.2524	M 25.7646	96.62%	96.35%	M 25.0272	M 25.1495	M 25.2769
2	14:59:01	M 25.3702	M 25.3245	M 25.0580	98.04%	98.60%	24.6106	24.7003	24.6650
3	14:59:33	24.8645	M 25.8994	M 25.2184	97.93%	98.64%	24.7339	24.7886	24.8200
x		M 25.4362	M 25.4921	M 25.3470	97.53%	97.87%	M 24.7906	M 24.8795	M 24.9206
σ		M 0.6074	M 0.3545	M 0.3704	0.79%	1.31%	M 0.2140	M 0.2380	M 0.3181
%RSD		M 2.3878	M 1.3908	M 1.4614	0.81	1.34	M 0.8632	M 0.9565	M 1.2766

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	-0.0942	-0.1967	-0.0720	-0.0694	-0.3493	-0.6671	-0.3672	102.47%	-0.0637
2	15:01:26	0.0883	0.2002	-0.0560	-0.0623	-0.3418	-0.5529	-0.3458	103.03%	-0.0411
3	15:01:57	-0.0032	-0.1013	-0.0456	-0.0645	-0.3278	-0.6252	-0.3523	105.81%	-0.0895
x		-0.0030	-0.0326	-0.0578	-0.0654	-0.3396	-0.6150	-0.3551	103.77%	-0.0648
σ		0.0913	0.2072	0.0133	0.0036	0.0109	0.0578	0.0110	1.79%	0.0242
%RSD		2996.8638	635.5586	23.0176	5.5367	3.2172	9.3902	3.0970	1.72	37.3884

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:00:54	0.4153	-0.4884	0.1462	101.77%	102.08%	-0.0100	-0.0065	-0.0059
2	15:01:26	0.2555	-0.5016	0.1446	103.45%	103.28%	0.0104	0.0081	0.0059
3	15:01:57	0.1311	-0.5640	-0.0491	104.72%	104.67%	0.0042	0.0001	0.0042
x		0.2673	-0.5180	0.0806	103.31%	103.34%	0.0015	0.0006	0.0014
σ		0.1425	0.0404	0.1123	1.48%	1.29%	0.0105	0.0073	0.0064
%RSD		53.3012	7.7965	139.4245	1.43	1.25	681.5627	1260.5624	455.5714

BZ 10/24/06 See Dilution

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:58	M 57.1389	M 56.6851	TM 359.1857	M 391.5412	TM 2074.0759	M 2073.1016	TM 1997.2150	93.60%	18.1298
2	15:05:30	M 55.9002	M 55.9888	TM 355.8798	TM 379.1017	TM 2057.5935	M 2056.3029	TM 1993.1666	95.37%	17.9602
3	15:06:02	M 56.8892	M 55.9279	TM 359.0777	TM 381.2838	TM 2067.5377	M 2079.7266	TM 2003.0611	96.41%	18.2498
x		M 56.6428	M 56.2006	TM 358.0477	TM 383.9756	TM 2066.4024	M 2069.7104	TM 1997.8142	95.13%	18.1133
σ		M 0.6551	M 0.4207	TM 1.8782	TM 6.6423	TM 8.2996	M 12.0744	TM 4.9744	1.42%	0.1455
%RSD		M 1.1566	M 0.7485	TM 0.5246	TM 1.7299	TM 0.4016	M 0.5834	TM 0.2490	1.49	0.8033

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:04:58	2.5740	2.4750	-3.1643	93.87%	99.35%	9.4582	10.6639	10.3022
2	15:05:30	2.9008	2.3441	-1.6377	96.16%	102.06%	9.2999	10.5050	10.1333
3	15:06:02	3.4067	2.2692	-1.7121	96.90%	101.46%	9.5038	10.7419	10.3504
x		2.9605	2.3628	-2.1714	95.64%	100.95%	9.4206	10.6369	10.2620
σ		0.4195	0.1041	0.8607	1.58%	1.42%	0.1070	0.1207	0.1140
%RSD		14.1708	4.4080	39.6394	1.65	1.41	1.1358	1.1350	1.1108

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BZ 10/24/06

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:26	M 105.3824	M 104.6395	TM 1642.0246	TM 1658.8646	TM 4795.5999	TM 4511.6225	TM 4646.0450	95.52%	M 48.9290
2	15:07:57	M 108.0685	M 104.9879	TM 1652.1359	TM 1660.2488	TM 4732.8826	TM 4472.6510	TM 4591.7455	99.46%	M 48.4698
3	15:08:29	M 107.9903	M 105.3014	TM 1652.8491	TM 1650.8636	TM 4758.3920	TM 4466.7456	TM 4600.5250	99.13%	M 48.9584
x		M 107.1471	M 104.9763	TM 1649.0032	TM 1656.6590	TM 4762.2915	TM 4483.6730	TM 4612.7719	98.04%	M 48.7857
σ		M 1.5287	M 0.3311	TM 6.0541	TM 5.0665	TM 31.5399	TM 24.3844	TM 29.1479	2.18%	M 0.2740
%RSD		M 1.4268	M 0.3154	TM 0.3671	TM 0.3058	TM 0.6623	TM 0.5438	TM 0.6319	2.23	M 0.5617

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:07:26	2.1291	1.5548	-9.2178	95.06%	99.12%	M 34.7360	M 39.4177	M 38.2843
2	15:07:57	2.6647	1.6304	-8.9761	98.81%	103.26%	M 34.2251	M 38.7340	M 37.6945
3	15:08:29	2.5178	1.3271	-8.4086	98.81%	103.80%	M 34.0609	M 38.6603	M 37.4428
x		2.4372	1.5041	-8.8675	97.56%	102.06%	M 34.3407	M 38.9373	M 37.8072
σ		0.2767	0.1579	0.4154	2.17%	2.56%	M 0.3521	M 0.4176	M 0.4320
%RSD		11.3542	10.4947	4.6845	2.22	2.51	M 1.0252	M 1.0725	M 1.1425

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:54	9.6009	9.8260	14.9692	13.4839	M 69.3619	M 65.1625	M 66.4043	96.47%	10.3810
2	15:10:25	9.1778	9.3774	15.2229	13.6451	M 69.9898	M 66.4828	M 67.4522	98.27%	10.4745
3	15:10:57	9.4439	9.8503	15.3558	13.9176	M 70.8839	M 67.4570	M 68.3685	97.92%	10.6701
x		9.4075	9.6846	15.1826	13.6822	M 70.0785	M 66.3674	M 67.4083	97.55%	10.5085
σ		0.2139	0.2663	0.1964	0.2192	M 0.7649	M 1.1516	M 0.9828	0.95%	0.1475
%RSD		2.2735	2.7496	1.2936	1.6023	M 1.0915	M 1.7352	M 1.4581	0.98	1.4037

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:09:54	1.4843	0.6595	1.8276	95.83%	99.65%	2.7678	3.2822	3.0626
2	15:10:25	1.1878	1.1414	2.4828	98.28%	101.72%	2.7180	3.2263	3.0633
3	15:10:57	0.6655	0.7878	2.1194	97.33%	102.01%	2.7438	3.2159	3.0529
x		1.1126	0.8629	2.1433	97.14%	101.13%	2.7432	3.2415	3.0596
σ		0.4145	0.2495	0.3283	1.24%	1.29%	0.0249	0.0357	0.0058
%RSD		37.2607	28.9203	15.3157	1.27	1.27	0.9091	1.1003	0.1901

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:22	-6.9812	-10.5765	TM 276.7698	M 302.7165	M 85.3248	M 80.2359	M 82.1061	98.19%	0.0324
2	15:12:54	-7.0135	-10.6161	TM 267.4476	M 294.9368	M 83.0467	M 76.8827	M 80.1332	101.05%	0.0399
3	15:13:26	-7.0145	-10.5095	TM 276.2828	M 301.8644	M 86.2626	M 81.8555	M 83.1371	99.08%	-0.0949
x		-7.0031	-10.5674	TM 273.5001	M 299.8393	M 84.8780	M 79.6581	M 81.7921	99.44%	-0.0075
σ		0.0190	0.0539	TM 5.2472	M 4.2670	M 1.6538	M 2.5363	M 1.5264	1.46%	0.0758
%RSD		0.2708	0.5098	TM 1.9186	M 1.4231	M 1.9485	M 3.1839	M 1.8661	1.47	1004.8969

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:12:22	-0.8754	-0.3160	0.2846	99.63%	101.12%	1.4073	1.5094	1.4751
2	15:12:54	-0.7893	-0.6984	0.3593	101.83%	104.57%	1.3882	1.4973	1.4391
3	15:13:26	-0.5963	-0.5242	-0.1244	101.67%	103.72%	1.3838	1.5314	1.4932
x		-0.7537	-0.5129	0.1732	101.04%	103.14%	1.3931	1.5127	1.4692
σ		0.1429	0.1914	0.2604	1.23%	1.80%	0.0125	0.0173	0.0275
%RSD		18.9638	37.3256	150.3872	1.22	1.74	0.8970	1.1433	1.8745

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:50	-1.0592	-2.2724	21.7954	21.8389	M 45.9458	M 42.1702	M 44.3185	98.88%	2.1808
2	15:15:22	-1.1179	-2.3938	21.9918	22.1507	M 46.0888	M 42.7746	M 44.5546	100.29%	1.8801
3	15:15:53	-1.1411	-2.3878	21.7630	21.7320	M 46.4144	M 42.8701	M 44.1622	100.79%	1.9345
x		-1.1060	-2.3513	21.8501	21.9072	M 46.1497	M 42.6050	M 44.3451	99.99%	1.9985
σ		0.0422	0.0684	0.1238	0.2176	M 0.2402	M 0.3795	M 0.1976	0.99%	0.1602
%RSD		3.8164	2.9101	0.5667	0.9931	M 0.5204	M 0.8908	M 0.4455	0.99	8.0183

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:14:50	-0.8088	-0.1830	0.8353	99.08%	102.51%	0.4406	0.5010	0.4821
2	15:15:22	-0.2808	-0.4758	0.4867	101.28%	105.67%	0.4333	0.4857	0.4739
3	15:15:53	-0.9767	-0.4264	0.3316	101.63%	106.12%	0.4398	0.4825	0.4730
x		-0.6888	-0.3618	0.5512	100.66%	104.77%	0.4379	0.4897	0.4763
σ		0.3631	0.1567	0.2580	1.38%	1.97%	0.0040	0.0099	0.0050
%RSD		52.7217	43.3267	46.7998	1.37	1.88	0.9129	2.0178	1.0567

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:17	-7.3046	-10.8745	7.8388	7.9381	3.2427	2.7554	3.1322	99.30%	-0.2691
2	15:17:48	-7.3018	-10.8534	8.1124	8.0221	3.5550	2.9140	3.4330	99.76%	-0.2850
3	15:18:21	-7.2770	-10.8403	7.9443	7.9892	3.4844	3.0447	3.2810	101.19%	-0.0819
x		-7.2944	-10.8561	7.9652	7.9831	3.4274	2.9047	3.2821	100.08%	-0.2120
σ		0.0152	0.0172	0.1380	0.0423	0.1638	0.1449	0.1504	0.99%	0.1130
%RSD		0.2083	0.1588	1.7326	0.5300	4.7792	4.9883	4.5818	0.98	53.2814

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:17:17	-0.5006	-0.5425	0.0524	102.22%	105.68%	0.0541	0.0691	0.0628
2	15:17:48	-0.8949	-0.6217	-0.5119	102.79%	106.63%	0.0660	0.0672	0.0633
3	15:18:21	-1.0494	-0.9406	0.1066	104.68%	108.10%	0.0641	0.0623	0.0629
x		-0.8150	-0.7016	-0.1176	103.23%	106.80%	0.0614	0.0662	0.0630
σ		0.2830	0.2107	0.3425	1.29%	1.22%	0.0064	0.0035	0.0003
%RSD		34.7292	30.0351	291.1990	1.25	1.14	10.3838	5.2908	0.4123

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:19:42	-7.3525	-10.9705	5.4667	5.4532	3.3273	2.7600	3.1077	100.44%	-0.3292
2	15:20:13	-7.3736	-11.0277	5.5237	5.7064	3.4213	2.6908	3.3138	101.14%	-0.3216
3	15:20:45	-7.3565	-11.0363	5.4561	5.5792	3.4386	2.7415	3.2857	101.22%	-0.1882
x		-7.3608	-11.0115	5.4822	5.5796	3.3957	2.7308	3.2357	100.93%	-0.2797
σ		0.0112	0.0358	0.0364	0.1266	0.0599	0.0358	0.1118	0.43%	0.0793
%RSD		0.1523	0.3248	0.6636	2.2691	1.7640	1.3114	3.4554	0.43	28.3599

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:19:42	-0.4303	-0.9238	-0.2479	103.49%	106.86%	0.0297	0.0365	0.0356
2	15:20:13	-0.1897	-0.6079	-0.0738	104.98%	107.18%	0.0343	0.0362	0.0351
3	15:20:45	-0.6930	-0.5538	-0.0161	105.67%	108.75%	0.0318	0.0393	0.0353
x		-0.4377	-0.6951	-0.1126	104.71%	107.60%	0.0319	0.0374	0.0353
σ		0.2517	0.1998	0.1207	1.12%	1.01%	0.0023	0.0017	0.0003
%RSD		57.5116	28.7471	107.1795	1.07	0.94	7.2268	4.6310	0.7086

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:07	-7.4854	-11.1458	0.4406	0.3961	3.4246	2.6245	3.2566	98.92%	-0.2251
2	15:22:39	-7.4703	-11.1495	0.4333	0.3989	3.4244	2.7468	3.2437	101.26%	-0.2881
3	15:23:11	-7.4828	-11.1951	0.4461	0.4227	3.3407	2.9631	3.2645	101.59%	-0.3669
x		-7.4795	-11.1635	0.4400	0.4059	3.3966	2.7781	3.2549	100.59%	-0.2933
σ		0.0081	0.0275	0.0065	0.0146	0.0484	0.1715	0.0105	1.45%	0.0711
%RSD		0.1077	0.2461	1.4676	3.6018	1.4253	6.1730	0.3222	1.45	24.2284

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:22:07	-0.7433	-0.3333	-0.0281	102.42%	105.58%	-0.0068	-0.0110	-0.0078
2	15:22:39	-0.6948	-0.7520	-0.2974	105.52%	108.72%	-0.0065	-0.0115	-0.0113
3	15:23:11	-0.3339	-0.5845	-0.1315	105.25%	108.55%	-0.0126	-0.0102	-0.0137
x		-0.5907	-0.5566	-0.1523	104.39%	107.61%	-0.0086	-0.0109	-0.0109
σ		0.2237	0.2107	0.1358	1.72%	1.77%	0.0035	0.0007	0.0030
%RSD		37.8750	37.8558	89.1787	1.64	1.64	39.9524	6.3526	27.1941

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:32	-7.2387	-10.9432	2.0116	1.8876	0.7459	0.3855	0.7182	98.53%	0.6140
2	15:25:04	-7.2714	-10.8503	1.9646	2.0132	0.7894	0.2177	0.6709	100.70%	0.5809
3	15:25:35	-7.2789	-10.9145	1.9839	1.8542	0.6849	0.5840	0.6257	100.79%	0.4559
x		-7.2630	-10.9026	1.9867	1.9184	0.7401	0.3957	0.6716	100.01%	0.5503
σ		0.0214	0.0476	0.0236	0.0838	0.0525	0.1834	0.0462	1.28%	0.0834
%RSD		0.2947	0.4364	1.1896	4.3703	7.0920	46.3454	6.8836	1.28	15.1536

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:24:32	-0.8224	-0.4895	-0.0499	102.77%	105.53%	0.0503	0.0579	0.0593
2	15:25:04	-0.6036	-0.3604	-0.0083	103.77%	105.88%	0.0523	0.0641	0.0548
3	15:25:35	-0.6928	-0.3223	-0.2837	104.50%	106.14%	0.0496	0.0459	0.0551
x		-0.7063	-0.3907	-0.1140	103.68%	105.85%	0.0507	0.0560	0.0564
σ		0.1100	0.0877	0.1485	0.87%	0.31%	0.0014	0.0093	0.0025
%RSD		15.5790	22.4322	130.2234	0.84	0.29	2.8122	16.5371	4.4667

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:58	1.5287	1.0000	15.6656	15.2630	M 72.5058	M 67.9160	M 69.8151	98.04%	5.3280
2	15:27:30	1.5258	1.3472	15.7658	15.4917	M 73.0993	M 68.3510	M 71.0368	98.00%	5.4300
3	15:28:01	1.5285	1.1142	15.6611	15.2666	M 73.5813	M 68.8517	M 70.8782	98.64%	5.3496
x		1.5277	1.1538	15.6975	15.3404	M 73.0622	M 68.3729	M 70.5767	98.22%	5.3692
σ		0.0016	0.1769	0.0592	0.1310	M 0.5387	M 0.4682	M 0.6643	0.36%	0.0538
%RSD		0.1045	15.3329	0.3769	0.8539	M 0.7373	M 0.6848	M 0.9413	0.36	1.0013

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:26:58	0.2304	-0.0759	0.9626	98.02%	102.12%	0.3464	0.3707	0.3582
2	15:27:30	-0.1274	0.4339	0.9407	98.84%	103.69%	0.3375	0.3705	0.3565
3	15:28:01	-0.1794	0.2604	1.1781	99.67%	103.99%	0.3338	0.3793	0.3526
x		-0.0255	0.2061	1.0271	98.85%	103.26%	0.3392	0.3735	0.3557
σ		0.2231	0.2592	0.1312	0.82%	1.00%	0.0065	0.0050	0.0029
%RSD		876.5445	125.7423	12.7744	0.83	0.97	1.9137	1.3481	0.8033

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:24	24.7479	24.8538	M 25.0505	M 25.0640	24.3426	24.1637	24.3961	98.70%	24.2576
2	15:29:56	24.4728	24.5828	24.9778	M 25.1168	24.2679	24.4064	24.5837	100.38%	24.5059
3	15:30:28	24.5318	24.5912	24.6637	24.7658	24.3337	24.4664	24.3155	101.10%	24.7020
x		24.5842	24.6759	M 24.8973	M 24.9822	24.3147	24.3455	24.4318	100.06%	24.4885
σ		0.1448	0.1541	M 0.2056	M 0.1893	0.0408	0.1603	0.1376	1.23%	0.2227
%RSD		0.5891	0.6245	M 0.8258	M 0.7576	0.1677	0.6584	0.5633	1.23	0.9096

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:29:24	24.3871	24.8497	M 25.1494	98.34%	100.24%	M 25.0680	M 25.1996	M 25.1503
2	15:29:56	23.8243	24.6504	24.6083	101.62%	101.68%	M 25.1208	M 25.0543	24.9898
3	15:30:28	24.4862	24.4359	M 25.7254	102.08%	103.32%	24.6898	24.5901	24.5904
x		24.2325	24.6453	M 25.1610	100.68%	101.75%	M 24.9595	M 24.9480	M 24.9102
σ		0.3570	0.2070	M 0.5586	2.04%	1.54%	M 0.2351	M 0.3183	M 0.2883
%RSD		1.4732	0.8398	M 2.2202	2.03	1.51	M 0.9420	M 1.2759	M 1.1573

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:50	0.1337	0.2617	-0.0514	-0.0438	-0.2228	-0.8233	-0.2673	97.26%	-0.2240
2	15:32:21	-0.0868	-0.0962	-0.0595	-0.0619	-0.2524	-0.9745	-0.2922	99.45%	-0.0963
3	15:32:53	-0.0360	-0.1376	-0.0505	-0.0611	-0.2364	-0.9892	-0.2657	99.45%	-0.0608
x		0.0036	0.0093	-0.0538	-0.0556	-0.2372	-0.9290	-0.2751	98.72%	-0.1270
σ		0.1155	0.2195	0.0049	0.0103	0.0148	0.0918	0.0149	1.26%	0.0858
%RSD		3197.4162	2356.3950	9.1985	18.4447	6.2438	9.8868	5.4027	1.28	67.5585

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:31:50	0.2635	-0.5088	-0.1388	97.82%	97.76%	-0.0029	0.0010	0.0004
2	15:32:21	-0.0765	-0.9832	0.0595	97.96%	100.35%	0.0042	0.0024	0.0026
3	15:32:53	-0.6035	-0.6823	-0.1827	100.15%	100.46%	0.0028	0.0088	0.0073
x		-0.1389	-0.7248	-0.0873	98.64%	99.52%	0.0014	0.0040	0.0035
σ		0.4369	0.2401	0.1291	1.31%	1.52%	0.0038	0.0041	0.0036
%RSD		314.6036	33.1231	147.7816	1.33	1.53	279.2761	102.3214	102.7097

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:17	-6.6399	-9.9885	3.2381	3.0585	4.4676	3.9429	4.3376	94.35%	0.4874
2	15:34:49	-6.5768	-9.9749	3.2246	2.9344	4.5120	3.8268	4.3648	95.67%	0.4163
3	15:35:21	-6.5895	-9.9383	3.3131	3.0556	4.5990	3.7551	4.3948	96.54%	0.3962
x		-6.6021	-9.9672	3.2586	3.0161	4.5262	3.8416	4.3658	95.52%	0.4333
σ		0.0334	0.0260	0.0477	0.0708	0.0668	0.0948	0.0286	1.10%	0.0479
%RSD		0.5059	0.2608	1.4637	2.3486	1.4767	2.4673	0.6550	1.15	11.0503

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:34:17	-0.7006	-0.5869	-0.0229	96.50%	98.67%	0.1389	0.1572	0.1489
2	15:34:49	-0.5627	-0.1517	0.4027	97.85%	100.16%	0.1449	0.1543	0.1504
3	15:35:21	-0.4859	-0.0753	0.2240	99.36%	102.14%	0.1359	0.1506	0.1502
x		-0.5831	-0.2713	0.2013	97.90%	100.32%	0.1399	0.1541	0.1498
σ		0.1088	0.2760	0.2137	1.43%	1.74%	0.0046	0.0033	0.0008
%RSD		18.6533	101.7319	106.1899	1.46	1.74	3.2855	2.1540	0.5416

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:44	3.9415	3.9760	9.5837	8.5457	19.9761	18.0305	19.2060	94.95%	10.7143
2	15:37:16	3.8338	4.0223	9.4174	8.5887	19.5603	17.4753	18.9698	97.30%	10.7255
3	15:37:48	4.0046	4.2961	9.4632	8.3928	19.6993	18.2712	18.7032	96.51%	10.7932
x		3.9266	4.0981	9.4881	8.5091	19.7452	17.9256	18.9597	96.26%	10.7443
σ		0.0864	0.1730	0.0859	0.1030	0.2117	0.4082	0.2516	1.20%	0.0427
%RSD		2.2002	4.2219	0.9056	1.2100	1.0720	2.2769	1.3269	1.24	0.3972

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:36:44	0.8273	0.6056	1.6364	95.37%	99.15%	0.3696	0.4203	0.4056
2	15:37:16	0.8491	0.6687	2.0362	97.82%	101.45%	0.3724	0.3962	0.3931
3	15:37:48	0.7700	0.7349	1.6380	95.12%	100.58%	0.3637	0.3906	0.3911
x		0.8155	0.6697	1.7702	96.10%	100.39%	0.3686	0.4024	0.3966
σ		0.0409	0.0646	0.2303	1.49%	1.16%	0.0045	0.0158	0.0079
%RSD		5.0143	9.6503	13.0121	1.55	1.16	1.2108	3.9284	1.9796

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:11	1.4912	1.5173	20.8673	20.7731	6.3722	5.7746	6.1474	95.63%	5.7440
2	15:39:43	1.4956	1.2420	21.1722	20.4554	6.3057	5.1995	6.2751	96.22%	5.7493
3	15:40:15	1.6405	1.5130	21.1767	20.8325	6.5171	5.8902	6.3511	95.72%	5.6124
x		1.5424	1.4241	21.0721	20.6870	6.3983	5.6214	6.2579	95.86%	5.7019
σ		0.0850	0.1577	0.1773	0.2028	0.1081	0.3699	0.1029	0.32%	0.0776
%RSD		5.5086	11.0751	0.8415	0.9802	1.6895	6.5803	1.6451	0.33	1.3605

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:39:11	-0.0525	0.5315	1.6318	95.08%	97.99%	0.2891	0.3181	0.3148
2	15:39:43	0.5602	0.3579	1.7119	95.90%	100.29%	0.2785	0.3133	0.2976
3	15:40:15	0.2515	0.5966	1.4698	95.41%	99.28%	0.2945	0.3208	0.3148
x		0.2531	0.4953	1.6045	95.46%	99.19%	0.2874	0.3174	0.3091
σ		0.3063	0.1234	0.1233	0.41%	1.15%	0.0082	0.0038	0.0099
%RSD		121.0418	24.9174	7.6851	0.43	1.16	2.8401	1.2005	3.2170

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:39	3.1721	3.1224	20.2283	20.4376	M 117.6623	M 109.7045	M 113.8892	95.21%	0.8403
2	15:42:11	2.8184	2.9252	20.1437	20.2369	M 116.6892	M 109.7185	M 112.2147	97.52%	0.7288
3	15:42:43	2.9705	2.9822	20.1615	20.0169	M 117.3878	M 109.6883	M 112.5751	97.28%	0.7645
x		2.9870	3.0100	20.1778	20.2305	M 117.2465	M 109.7038	M 112.8930	96.67%	0.7779
σ		0.1774	0.1015	0.0446	0.2104	M 0.5017	M 0.0151	M 0.8814	1.27%	0.0569
%RSD		5.9387	3.3720	0.2210	1.0400	M 0.4279	M 0.0138	M 0.7807	1.31	7.3212

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:41:39	-0.0801	0.1785	-0.1853	95.65%	96.70%	0.5017	0.5644	0.5624
2	15:42:11	-0.3180	-0.3007	-0.3262	98.70%	99.28%	0.4789	0.5808	0.5369
3	15:42:43	-0.4821	-0.1171	-0.1164	97.40%	99.21%	0.4979	0.5539	0.5472
x		-0.2934	-0.0798	-0.2093	97.25%	98.40%	0.4928	0.5664	0.5488
σ		0.2021	0.2418	0.1069	1.53%	1.47%	0.0122	0.0135	0.0128
%RSD		68.8826	303.0186	51.0908	1.57	1.49	2.4780	2.3916	2.3411

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:10	2.1505	2.1857	M 37.9313	M 37.6227	M 109.8024	M 102.4245	M 105.9219	96.33%	0.8789
2	15:44:41	2.3926	2.4492	M 37.6474	M 37.9396	M 111.6518	M 103.6444	M 107.2621	96.47%	0.8379
3	15:45:13	2.3701	2.4481	M 37.7313	M 37.9455	M 111.0554	M 105.8292	M 107.5395	96.57%	0.6592
x		2.3044	2.3610	M 37.7700	M 37.8360	M 110.8365	M 103.9660	M 106.9078	96.45%	0.7920
σ		0.1338	0.1518	M 0.1458	M 0.1847	M 0.9439	M 1.7250	M 0.8650	0.12%	0.1168
%RSD		5.8054	6.4296	M 0.3861	M 0.4882	M 0.8516	M 1.6592	M 0.8091	0.12	14.7518

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:44:10	-0.5451	-0.6380	-0.3891	96.50%	98.18%	0.7312	0.8526	0.8167
2	15:44:41	-0.2748	-0.3398	-0.4946	98.11%	100.42%	0.7385	0.8797	0.8058
3	15:45:13	-0.0330	-0.2785	-0.6759	98.78%	100.39%	0.7544	0.8482	0.8153
x		-0.2843	-0.4188	-0.5199	97.80%	99.66%	0.7414	0.8602	0.8126
σ		0.2562	0.1923	0.1451	1.18%	1.28%	0.0119	0.0170	0.0059
%RSD		90.1131	45.9121	27.9100	1.20	1.29	1.6021	1.9820	0.7321

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User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	M 25.3495	M 25.4805	24.9895	24.9131	24.8786	M 25.1911	24.7271	95.20%	24.8620
2	15:47:09	M 25.4509	M 25.5531	M 25.9916	M 26.1107	M 25.4141	M 25.2296	M 25.1643	95.41%	M 25.5710
3	15:47:41	24.5222	24.4015	24.5843	24.6034	24.6238	24.4249	24.4926	97.04%	M 25.1497
x		M 25.1075	M 25.1450	M 25.1884	M 25.2091	M 24.9722	M 24.9485	M 24.7946	95.88%	M 25.1942
σ		M 0.5095	M 0.6450	M 0.7245	M 0.7960	M 0.4034	M 0.4539	M 0.3409	1.01%	M 0.3566
%RSD		M 2.0292	M 2.5649	M 2.8761	M 3.1577	M 1.6153	M 1.8193	M 1.3749	1.05	M 1.4154

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:46:37	23.7508	M 25.3487	24.9979	95.62%	98.28%	M 25.7982	M 25.6684	M 25.8305
2	15:47:09	24.9046	M 25.6715	M 26.0198	96.71%	99.21%	M 26.5263	M 26.3454	M 26.3539
3	15:47:41	23.3689	M 25.1261	M 25.5440	98.61%	101.89%	M 25.1275	M 25.2071	M 25.0855
x		24.0081	M 25.3821	M 25.5206	96.98%	99.79%	M 25.8173	M 25.7403	M 25.7566
σ		0.7995	M 0.2742	M 0.5113	1.51%	1.87%	M 0.6996	M 0.5725	M 0.6374
%RSD		3.3303	M 1.0805	M 2.0036	1.56	1.88	M 2.7097	M 2.2243	M 2.4748

CCB4 10/24/2006 03:49:05 PM

User Pre-dilution: 1.000

Run	Time	60Ni	62Ni	63Cu	65Cu	66Zn	67Zn	68Zn	71Ga	75As
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:05	-0.0882	0.0586	-0.0435	-0.0625	-0.2111	-0.8246	-0.2159	94.52%	-0.2337
2	15:49:36	0.1184	0.1888	-0.0474	-0.0614	-0.2147	-0.8712	-0.2561	96.49%	-0.1355
3	15:50:08	0.0753	0.3941	-0.0453	-0.0603	-0.1770	-0.9487	-0.2508	96.62%	-0.1901
x		0.0352	0.2138	-0.0454	-0.0614	-0.2009	-0.8815	-0.2409	95.88%	-0.1864
σ		0.1090	0.1692	0.0019	0.0011	0.0208	0.0627	0.0219	1.18%	0.0492
%RSD		309.9559	79.1101	4.2745	1.8244	10.3623	7.1103	9.0691	1.23	26.4091

Run	Time	77Se	78Se	82Se	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	15:49:05	0.3202	-0.1001	0.0929	96.54%	98.96%	0.0002	-0.0100	-0.0021
2	15:49:36	-0.1675	-0.3582	0.0277	97.74%	100.36%	-0.0022	0.0012	-0.0008
3	15:50:08	-0.4600	-0.4362	-0.4261	99.44%	102.04%	-0.0002	-0.0015	-0.0030
x		-0.1024	-0.2982	-0.1018	97.90%	100.45%	-0.0007	-0.0034	-0.0020
σ		0.3942	0.1759	0.2827	1.46%	1.54%	0.0013	0.0059	0.0011
%RSD		384.8526	59.0070	277.5825	1.49	1.53	170.2332	171.9258	54.7435

Service Request # K0606882_____
Calibration _____102306A B _____
QC in calibration__102306A B 10/23/06 _____
QC Service Request # K0606882_____

STARLIMS run # 68688

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	X		
2. ICV within 10 % of true value	X		
3. CCV's in control	X		
4. CCB's and/or ICB's below MRL	X		
5. Method blank below MRL	X		
6. LCS in control	X		
7. Spike and duplicate in control	X		
8. All analytes within instrument linear range	X		
9. Adequate rinse out time allowed	X		
10. Internal standards in control	X		
11. Interferences checked	X		
12. Se over MRL			X
13. CRA run	X		
14. ICSA and ICSAB in control	X		
15. Serial dilution run	X		
16. Post spike in control	X		

Comments: The serial dilution and/or post spike failed in the 1/5 and 1/10 dilutions. The samples were analyzed @1/20. Use Cu MRL= 0.2ppb=0.1mg/Kg.

Primary Review by _____ Date 10/23/06
Secondary Review by _____ Date 10/23/06
R:\icp\misc\data review forms\icpms review form

Sample List

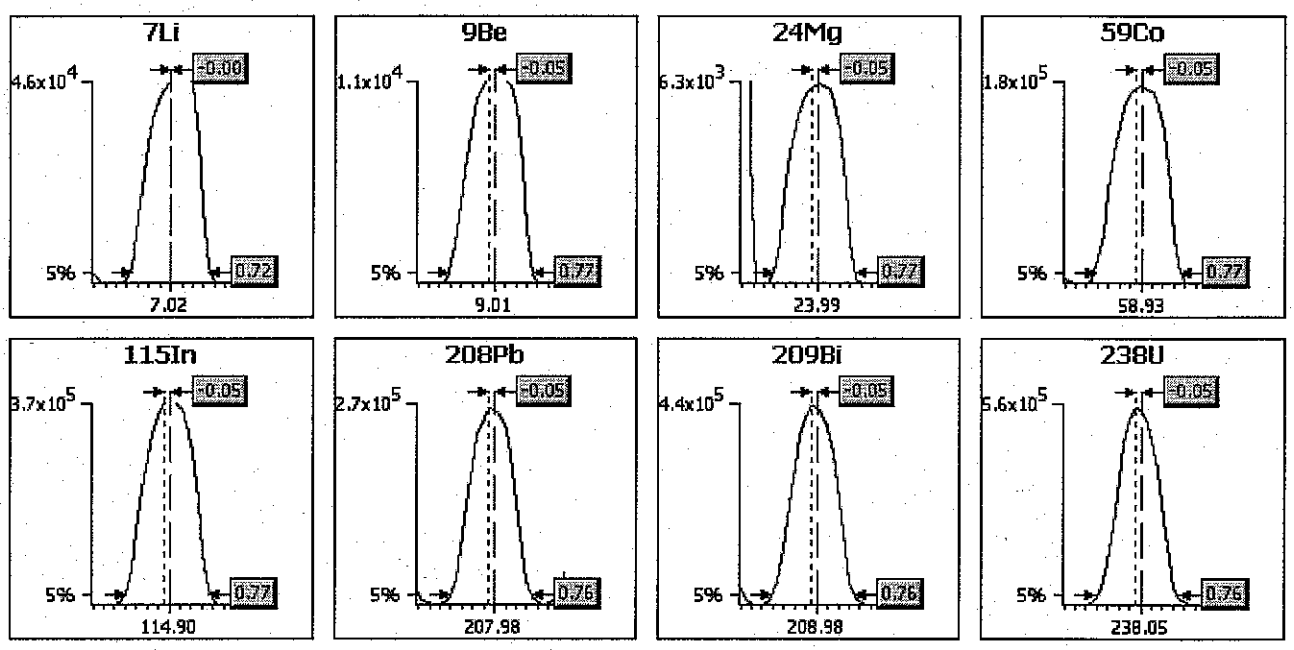
No	Label	Type	Weight	Rack	Row	Col	Height
1	Calibration Blank	Blank	1.000	0	1	1	150
2	25.0ppb Std. MS9-89-B	Fully Quant Standard	1.000	0	1	2	150
3	ICV1 MS9-88-E	Unknown	1.000	0	1	3	150
4	CCV1 MS9-89-B	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	WATER CRA MS9-73-F	Unknown	1.000	0	1	4	150
8	ICSA MS9-89-C	Unknown	1.000	0	1	5	150
9	ICSA+B MS9-89-D	Unknown	1.000	0	1	6	150
10	K8882-MB	Unknown	1.000	1	1	1	150
11	K8882-LCSW	Unknown	1.000	1	1	2	150
12	K8882-21	Unknown	1.000	1	1	3	150
13	K8882-21D	Unknown	1.000	1	1	4	150
14	K8882-21L 1/5	Unknown	1.000	1	1	5	150
15	K8882-21A +20PPB	Unknown	1.000	1	1	6	150
16	K8882-21S	Unknown	1.000	1	1	7	150
17	CCV2 MS9-89-B	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K8882-28	Unknown	1.000	1	1	8	150
20	K8882-MB 1/5	Unknown	1.000	1	1	9	150
21	K8882-LCSS 1/50	Unknown	1.000	1	1	10	150
22	K8882-10 1/5	Unknown	1.000	1	1	11	150
23	K8882-10D 1/5	Unknown	1.000	1	1	12	150
24	K8882-10L 1/5 X 1/5	Unknown	1.000	1	2	1	150
25	K8882-10A +20PPB 1/5	Unknown	1.000	1	2	2	150
26	CCV3 MS9-89-B	Unknown	1.000	0	1	2	150
27	CCB3	Unknown	1.000	0	1	1	150
28	K8882-10 1/10	Unknown	1.000	1	1	11	150
29	K8882-10D 1/10	Unknown	1.000	1	1	12	150
30	K8882-10 1/20	Unknown	1.000	1	1	11	150
31	K8882-10D 1/20	Unknown	1.000	1	1	12	150
32	K8882-10L 1/20 X 1/5	Unknown	1.000	1	2	1	150
33	K8882-10A +20PPB 1/20	Unknown	1.000	1	2	2	150
34	K8882-10S 1/20	Unknown	1.000	1	2	3	150
35	K8882-01 1/20	Unknown	1.000	1	2	4	150
36	CCV4 MS9-89-B	Unknown	1.000	0	1	2	150
37	CCB4	Unknown	1.000	0	1	1	150
38	K8882-02 1/20	Unknown	1.000	1	2	5	150
39	K8882-03 1/20	Unknown	1.000	1	2	6	150
40	K8882-04 1/20	Unknown	1.000	1	2	7	150
41	K8882-05 1/20	Unknown	1.000	1	2	8	150
42	K8882-06 1/20	Unknown	1.000	1	2	9	150
43	K8882-07 1/20	Unknown	1.000	1	2	10	150
44	K8882-11 1/20	Unknown	1.000	1	2	11	150
45	K8882-12 1/20	Unknown	1.000	1	2	12	150
46	K8882-13 1/20	Unknown	1.000	1	3	1	150
47	K8882-14 1/20	Unknown	1.000	1	3	2	150
48	CCV5 MS9-89-B	Unknown	1.000	0	1	2	150
49	CCB5	Unknown	1.000	0	1	1	150
50	K8882-15 1/20	Unknown	1.000	1	3	3	150
51	K8882-16 1/20	Unknown	1.000	1	3	4	150
52	K8882-17 1/20	Unknown	1.000	1	3	5	150
53	K8882-18 1/20	Unknown	1.000	1	3	6	150
54	K8882-20 1/20	Unknown	1.000	1	3	7	150
55	K8882-31 1/20	Unknown	1.000	1	3	8	150
56	K8882-32 1/20	Unknown	1.000	1	3	9	150
57	K8882-02 1/20 x 1/10	Unknown	1.000	1	3	10	150
58	K8882-03 1/20 x 1/10	Unknown	1.000	1	3	11	150
59	K8882-12 1/20 x 1/50	Unknown	1.000	1	3	12	150
60	CCV6 MS9-89-B	Unknown	1.000	0	1	2	150
61	CCB6	Unknown	1.000	0	1	1	150
62	K8882-13 1/20 X 1/20	Unknown	1.000	1	4	1	150
63	K8882-32 1/20 X 1/10	Unknown	1.000	1	4	2	150
64	CCV7 MS9-89-B	Unknown	1.000	0	1	2	150
65	CCB7	Unknown	1.000	0	1	1	150

Performance Report

Sample details
Acquired at : 10/23/2006 08:49:58 AM
Report name : Kelso Performance Report [07/11/2006 10:41:59 AM]

Mass Calibration verification

Acquisition parameters
Sweeps : 100
Dwell : 1.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.87	0.67	0.10	0.72	-0.00
9Be	0.87	0.67	0.10	0.77	-0.05
24Mg	0.87	0.67	0.10	0.77	-0.05
59Co	0.87	0.67	0.10	0.77	-0.05
115In	0.87	0.67	0.10	0.77	-0.05
208Pb	0.87	0.67	0.10	0.76	-0.05
209Bi	0.87	0.67	0.10	0.76	-0.05
238U	0.87	0.67	0.10	0.76	-0.05

Sample details
Acquired at : 10/23/2006 08:49:58 AM
Report name : Kelso Performance Report [07/11/2006 10:41:59 AM]

Tune conditions

Major	
Extraction	-204
Lens 1	2.0
Focus	17.3
D1	-51.8
Pole Bias	2.2
Hexapole Bias	6.6
Nebuliser	0.83
Sampling Depth	109

Minor	
Lens 2	-22.7
Lens 3	-200.0
Forward power	1302
Horizontal	68
Vertical	500
D2	-187
DA	-35.3
Cool	13.9
Auxiliary	0.82

Global	
Standard resolution	125
High resolution	125
Analogue Detector	1950
PC Detector	3800

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	208Pb	209Bi	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	-
	Countrate	<1	>1000	>1000	>1000	>1000	>1000	>1000	>1000	<10
1	08:50:29 AM	0.250	46731.553	11174.614	6473.804	178700.01	386300.28	279635.90	445797.35	0.000
2	08:51:31 AM	1.750	47394.220	11358.592	6609.152	181456.82	389700.64	283301.30	449754.81	0.250
3	08:52:33 AM	0.000	47214.037	11445.200	6624.413	180933.54	387912.55	284173.66	445141.88	0.250
4	08:53:36 AM	0.500	47424.377	11434.437	6586.885	182804.92	396938.15	287576.18	458892.40	0.750
5	08:54:37 AM	0.750	48097.650	11622.925	6652.183	186024.51	402092.67	291277.00	466168.17	0.500
x		0.650	47372.368	11407.153	6589.287	181983.96	392588.86	285192.81	453150.92	0.350
σ		0.68	491.15	162.16	68.79	2700.26	6689.44	4421.36	9112.72	0.29
%RSD		103.917	1.037	1.422	1.044	1.484	1.704	1.550	2.011	81.441

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	Countrate	>1000
1	08:50:29 AM	557873.69
2	08:51:31 AM	566923.88
3	08:52:33 AM	565225.35
4	08:53:36 AM	574196.44
5	08:54:37 AM	584301.02
x		569704.08
σ		10012.47
%RSD		1.757

Result : The performance report passed.

Dilution Corrected Concentrations

B 2 10/23/06

Calibration Blank 10/23/2006 09:39:08 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:39:08	99.00%	0.0074	0.0074	-0.0666	0.0051	0.0036	0.0010	0.0048	-0.0621
2	09:39:46	101.67%	-0.0037	-0.0043	0.1214	0.0033	-0.0058	0.0014	-0.0140	-0.0009
3	09:40:24	99.34%	-0.0037	-0.0031	-0.0548	-0.0084	0.0022	-0.0024	0.0092	0.0630
x		100.00%	0.0000	0.0000	-0.0000	-0.0000	0.0000	-0.0000	0.0000	0.0000
σ		1.45%	0.0064	0.0064	0.1053	0.0074	0.0051	0.0021	0.0123	0.0625
%RSD		1.45	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:39:08	0.0010	-0.0159	0.0089	-0.0270	-0.0381	0.0018	0.0065	-0.0003	98.32%
2	09:39:46	0.0040	0.0332	-0.0075	-0.0915	0.1129	0.0015	-0.0048	0.0017	100.47%
3	09:40:24	-0.0050	-0.0173	-0.0014	0.1185	-0.0748	-0.0033	-0.0017	-0.0014	101.21%
x		0.0000	0.0000	0.0000	0.0000	-0.0000	-0.0000	0.0000	-0.0000	100.00%
σ		0.0046	0.0288	0.0083	0.1075	0.0995	0.0029	0.0058	0.0015	1.50%
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	1.50

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:39:08	0.0010	-0.0018	0.0008	98.74%	99.19%	0.0010	0.0010	0.0005
2	09:39:46	-0.0010	-0.0015	-0.0002	100.74%	100.18%	-0.0004	-0.0004	-0.0002
3	09:40:24	-0.0000	0.0033	-0.0007	100.52%	100.62%	-0.0006	-0.0006	-0.0003
x		-0.0000	0.0000	-0.0000	100.00%	100.00%	0.0000	-0.0000	0.0000
σ		0.0010	0.0028	0.0008	1.10%	0.73%	0.0008	0.0009	0.0005
%RSD		0.0000	0.0000	0.0000	1.10	0.73	0.0000	0.0000	0.0000

25.0ppb Std. MS9-89-B 10/23/2006 09:41:52 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:41:52	96.66%	M 25.1252	24.9495	M 25.4020	24.9293	24.8832	24.9227	24.8786	24.6877
2	09:42:29	101.59%	24.7172	24.6947	24.2038	24.8086	24.9759	24.8420	24.6914	M 25.0046
3	09:43:06	98.69%	M 25.1577	M 25.3558	M 25.3942	M 25.2621	M 25.1409	M 25.2353	M 25.4299	M 25.3077
x		98.98%	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000
σ		2.48%	M 0.2455	M 0.3334	M 0.6895	M 0.2349	M 0.1305	M 0.2077	M 0.3839	M 0.3100
%RSD		2.50	M 0.9820	M 1.3337	M 2.7582	M 0.9394	M 0.5220	M 0.8310	M 1.5357	M 1.2402

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:41:52	24.6625	24.6339	M 25.4559	24.8173	24.5326	24.4205	24.5157	24.4373	98.59%
2	09:42:29	M 25.0196	24.9471	24.4159	24.6706	M 25.0243	M 25.0909	M 25.1153	M 25.1596	102.06%
3	09:43:06	M 25.3179	M 25.4190	M 25.1281	M 25.5122	M 25.4431	M 25.4887	M 25.3690	M 25.4031	101.46%
x		M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	100.70%
σ		M 0.3282	M 0.3952	M 0.5317	M 0.4496	M 0.4557	M 0.5399	M 0.4382	M 0.5023	1.86%
%RSD		M 1.3126	M 1.5809	M 2.1268	M 1.7983	M 1.8229	M 2.1594	M 1.7528	M 2.0091	1.85

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:41:52	24.8749	24.8396	24.8550	98.63%	97.72%	M 25.0789	M 25.1632	M 25.1434
2	09:42:29	M 25.1021	24.9703	M 25.0265	102.27%	101.86%	24.8717	24.8282	24.8100
3	09:43:06	M 25.0230	M 25.1901	M 25.1185	102.22%	101.33%	M 25.0494	M 25.0085	M 25.0466
x		M 25.0000	M 25.0000	M 25.0000	101.04%	100.30%	M 25.0000	M 25.0000	M 25.0000
σ		M 0.1153	M 0.1772	M 0.1338	2.08%	2.25%	M 0.1121	M 0.1677	M 0.1715
%RSD		M 0.4614	M 0.7086	M 0.5351	2.06	2.25	M 0.4483	M 0.6706	M 0.6862

ICV1 MS9-88-E 10/23/2006 09:51:58 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:58	98.42%	M 25.8939	M 25.9540	M 26.2587	M 26.0843	13.0334	13.0462	M 25.5335	M 30.7254
2	09:52:35	98.90%	M 25.4153	M 25.1957	24.8993	M 25.2885	12.3247	12.4027	24.8212	M 29.4927
3	09:53:13	97.86%	M 26.2107	M 25.7587	M 26.7267	M 25.9478	12.8149	12.7363	M 25.5353	M 30.5762
x		98.39%	M 25.8400	M 25.6361	M 25.9616	M 25.7736	12.7243	12.7284	M 25.2967	M 30.2648
σ		0.52%	M 0.4004	M 0.3937	M 0.9492	M 0.4256	0.3629	0.3219	M 0.4118	M 0.6728
%RSD		0.53	M 1.5496	M 1.5358	M 3.6563	M 1.6511	2.8520	2.5287	M 1.6277	M 2.2229

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:58	M 29.2467	M 26.7293	M 27.0671	M 27.1254	M 26.9799	M 26.6496	M 26.5934	M 26.8188	97.84%
2	09:52:35	M 28.5086	M 25.8412	M 25.0506	M 25.3494	M 25.7141	M 26.1109	M 26.4258	M 26.5661	101.66%
3	09:53:13	M 29.1346	M 26.7689	M 25.8849	M 26.8220	M 27.3912	M 27.1193	M 27.4736	M 27.2663	100.63%
x		M 28.9633	M 26.4465	M 26.0009	M 26.4323	M 26.6951	M 26.6266	M 26.8309	M 26.8838	100.05%
σ		M 0.3977	M 0.5245	M 1.0133	M 0.9500	M 0.8741	M 0.5046	M 0.5629	M 0.3546	1.98%
%RSD		M 1.3733	M 1.9834	M 3.8970	M 3.5941	M 3.2744	M 1.8951	M 2.0978	M 1.3190	1.98

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:51:58	13.1432	13.0534	13.1055	99.50%	99.34%	M 25.3593	M 26.8584	M 26.7900
2	09:52:35	12.8599	12.9428	12.8325	101.80%	101.32%	24.9871	M 26.2871	M 26.3738
3	09:53:13	13.0705	13.0521	13.1297	100.52%	101.51%	M 25.3695	M 26.6597	M 26.4360
x		13.0245	13.0161	13.0225	100.61%	100.73%	M 25.2386	M 26.6017	M 26.5332
σ		0.1471	0.0635	0.1651	1.15%	1.20%	M 0.2179	M 0.2901	M 0.2245
%RSD		1.1297	0.4877	1.2675	1.14	1.19	M 0.8634	M 1.0903	M 0.8461

CCV1 MS9-89-B 10/23/2006 09:54:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:54:42	97.55%	24.9765	M 25.2214	M 25.6274	M 25.3825	M 25.3356	M 25.2492	24.9758	24.9368
2	09:55:20	100.14%	24.8695	24.8896	24.7503	24.8886	24.6227	24.6642	24.8897	24.7374
3	09:55:57	99.39%	M 25.1485	24.9737	24.1857	M 25.1544	M 25.1673	M 25.0052	M 25.0258	24.9885
x		99.03%	M 24.9982	M 25.0282	M 24.8544	M 25.1418	M 25.0419	M 24.9728	M 24.9637	24.8876
σ		1.33%	M 0.1407	M 0.1725	M 0.7265	M 0.2472	M 0.3726	M 0.2938	M 0.0689	0.1326
%RSD		1.35	M 0.5629	M 0.6893	M 2.9230	M 0.9831	M 1.4881	M 1.1766	M 0.2758	0.5328

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:54:42	24.9928	M 25.2024	24.8332	M 25.1082	M 25.1740	M 25.1557	M 25.5678	M 25.4650	99.83%
2	09:55:20	M 25.0166	24.8032	24.8465	M 25.1265	24.8519	M 25.3144	M 25.6565	M 25.4735	102.24%
3	09:55:57	M 25.0937	M 25.0899	24.9736	M 25.5413	24.5713	M 25.9087	M 25.8858	M 26.0367	101.56%
x		M 25.0344	M 25.0318	24.8844	M 25.2587	M 24.8657	M 25.4596	M 25.7034	M 25.6584	101.21%
σ		M 0.0528	M 0.2058	0.0775	M 0.2450	M 0.3016	M 0.3969	M 0.1641	M 0.3276	1.24%
%RSD		M 0.2107	M 0.8223	0.3114	M 0.9699	M 1.2129	M 1.5590	M 0.6386	M 1.2769	1.22

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:54:42	M 25.3225	24.9942	M 25.1814	99.59%	99.60%	24.9354	M 25.0750	M 25.2148
2	09:55:20	M 25.1725	M 25.0702	M 25.2040	101.76%	101.66%	M 25.1436	24.8260	M 25.0031
3	09:55:57	M 25.4593	M 25.2708	M 25.2922	102.01%	102.72%	M 25.1532	24.9064	M 25.0738
x		M 25.3181	M 25.1117	M 25.2259	101.12%	101.33%	M 25.0774	M 24.9358	M 25.0972
σ		M 0.1434	M 0.1429	M 0.0585	1.33%	1.59%	M 0.1231	M 0.1271	M 0.1078
%RSD		M 0.5665	M 0.5689	M 0.2319	1.32	1.57	M 0.4908	M 0.5097	M 0.4294

ICB1 10/23/2006 09:57:24 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:57:24	98.19%	0.0045	-0.0003	0.1581	0.0325	0.0035	0.0156	0.0058	0.0948
2	09:58:01	101.02%	-0.0029	0.0079	0.2767	0.0065	0.0066	0.0042	-0.0053	0.1779
3	09:58:39	99.65%	-0.0224	-0.0074	0.2954	0.0271	0.0100	0.0133	0.0149	0.0792
x		99.62%	-0.0069	0.0001	0.2434	0.0220	0.0067	0.0110	0.0051	0.1173
σ		1.42%	0.0139	0.0076	0.0745	0.0137	0.0033	0.0060	0.0101	0.0531
%RSD		1.43	200.3425	9537.2043	30.5948	62.2392	48.7073	54.6212	197.7079	45.2307

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:57:24	0.0159	0.1231	-0.0055	0.0886	0.1210	0.7755	0.7807	0.7921	98.59%
2	09:58:01	-0.0051	0.0958	-0.0016	-0.0596	0.2360	0.4770	0.4889	0.4728	102.11%
3	09:58:39	0.0085	0.0708	-0.0332	0.0402	0.1267	0.3320	0.3295	0.3295	100.35%
x		0.0064	0.0966	-0.0134	0.0231	0.1613	0.5281	0.5330	0.5315	100.35%
σ		0.0107	0.0261	0.0172	0.0756	0.0648	0.2261	0.2288	0.2368	1.76%
%RSD		165.8986	27.0791	128.2489	327.5924	40.1987	42.8134	42.9206	44.5549	1.76

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:57:24	0.0069	0.0069	0.0045	98.37%	97.54%	0.0063	0.0067	0.0063
2	09:58:01	0.0074	0.0009	0.0072	102.09%	100.78%	0.0051	0.0046	0.0051
3	09:58:39	0.0038	0.0056	0.0048	100.96%	101.06%	0.0056	0.0040	0.0063
x		0.0060	0.0045	0.0055	100.48%	99.79%	0.0057	0.0051	0.0059
σ		0.0020	0.0031	0.0015	1.91%	1.96%	0.0006	0.0014	0.0007
%RSD		32.7423	69.6951	27.2208	1.90	1.96	10.1299	28.0092	12.0852

CCB1 10/23/2006 10:00:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:00:06	98.68%	0.0007	-0.0061	0.1898	0.0074	-0.0000	0.0108	0.0075	0.0776
2	10:00:50	99.09%	-0.0066	-0.0062	-0.0249	0.0110	0.0048	0.0062	-0.0065	0.1202
3	10:01:28	100.33%	-0.0337	-0.0132	0.0407	0.0125	-0.0028	0.0105	-0.0011	0.1136
x		99.37%	-0.0132	-0.0085	0.0686	0.0103	0.0006	0.0092	-0.0000	0.1038
σ		0.86%	0.0181	0.0041	0.1100	0.0027	0.0038	0.0026	0.0070	0.0229
%RSD		0.87	136.8100	47.7678	160.5099	25.8207	611.8493	27.8924	31915.6490	22.0968

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:00:06	-0.0100	0.0417	-0.0243	0.1360	0.0517	0.1546	0.1629	0.1524	100.51%
2	10:00:50	-0.0058	0.0599	0.0614	0.2242	0.2001	0.1129	0.1313	0.1227	100.62%
3	10:01:28	0.0280	0.0776	-0.0389	-0.0139	0.2721	0.1036	0.1048	0.1139	102.43%
x		0.0041	0.0597	-0.0006	0.1155	0.1746	0.1237	0.1330	0.1297	101.19%
σ		0.0208	0.0179	0.0542	0.1204	0.1124	0.0272	0.0291	0.0202	1.08%
%RSD		511.5104	30.0223	9392.8078	104.2906	64.3678	21.9724	21.8621	15.5699	1.07

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:00:06	0.0030	0.0006	0.0048	98.25%	98.38%	0.0022	0.0074	0.0044
2	10:00:50	0.0019	0.0027	0.0020	100.47%	100.38%	0.0020	0.0035	0.0044
3	10:01:28	0.0030	0.0006	0.0016	102.07%	101.96%	0.0017	0.0059	0.0038
x		0.0026	0.0013	0.0028	100.27%	100.24%	0.0020	0.0056	0.0042
σ		0.0006	0.0012	0.0018	1.92%	1.79%	0.0003	0.0020	0.0003
%RSD		24.4878	93.6488	62.5960	1.91	1.79	14.6870	35.4102	8.1119

WATER CRA MS9-73-F 10/23/2006 10:02:56 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:02:56	99.97%	0.1758	0.2746	0.4417	0.3071	0.1326	0.1561	0.5720	0.6992
2	10:03:34	99.39%	0.1851	0.2312	0.4234	0.3113	0.1383	0.1383	0.5668	0.6121
3	10:04:11	99.82%	0.1863	0.2491	0.3936	0.3129	0.1334	0.1350	0.5574	0.5448
x		99.73%	0.1824	0.2516	0.4196	0.3104	0.1348	0.1431	0.5654	0.6187
σ		0.30%	0.0058	0.0218	0.0243	0.0030	0.0031	0.0114	0.0074	0.0774
%RSD		0.30	3.1630	8.6709	5.7854	0.9691	2.3028	7.9364	1.3040	12.5105

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:02:56	0.5454	0.6392	0.9600	0.9546	1.3079	0.1059	0.1080	0.1030	102.21%
2	10:03:34	0.5835	0.6164	1.2510	1.1417	1.4514	0.0949	0.1035	0.1057	102.33%
3	10:04:11	0.5438	0.5640	1.1848	1.0437	1.1814	0.1016	0.0882	0.1014	101.69%
x		0.5576	0.6065	1.1319	1.0467	1.3136	0.1008	0.0999	0.1034	102.08%
σ		0.0225	0.0386	0.1526	0.0936	0.1351	0.0056	0.0104	0.0022	0.34%
%RSD		4.0308	6.3583	13.4772	8.9453	10.2838	5.5078	10.3867	2.1073	0.33

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:02:56	0.0212	0.0202	0.0198	100.81%	99.08%	0.0182	0.0248	0.0245
2	10:03:34	0.0213	0.0200	0.0224	101.91%	101.24%	0.0194	0.0265	0.0230
3	10:04:11	0.0216	0.0184	0.0211	102.27%	100.91%	0.0239	0.0234	0.0230
x		0.0213	0.0195	0.0211	101.66%	100.41%	0.0205	0.0249	0.0235
σ		0.0002	0.0010	0.0013	0.76%	1.17%	0.0030	0.0016	0.0009
%RSD		1.0255	5.0971	6.2036	0.75	1.16	14.4792	6.2550	3.6760

ICSA MS9-89-C 10/23/2006 10:05:42 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:05:42	88.06%	-0.0244	0.2343	5.2087	0.8304	0.2273	0.3359	1.2223	1.5227
2	10:06:19	86.70%	-0.0101	0.2303	4.4992	0.7707	0.2172	0.2731	1.1990	1.4682
3	10:06:56	86.23%	-0.0609	0.2656	4.0995	0.7900	0.2196	0.2803	1.2434	1.4101
x		87.00%	-0.0318	0.2434	4.6024	0.7970	0.2213	0.2964	1.2216	1.4670
σ		0.95%	0.0262	0.0193	0.5618	0.0305	0.0053	0.0343	0.0222	0.0563
%RSD		1.09	82.4584	7.9489	12.2060	3.8236	2.3961	11.5877	1.8187	3.8389

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:05:42	1.0708	0.1752	0.2626	-0.9432	0.1723	TM 252.0380	M 249.2500	TM 258.3900	94.26%
2	10:06:19	1.0388	0.2374	0.2442	-0.6333	0.4556	TM 255.2122	M 253.8617	TM 262.8386	96.14%
3	10:06:56	1.0374	0.2154	0.2576	-0.4416	0.3445	TM 259.5606	M 254.8668	TM 266.2919	98.17%
x		1.0490	0.2094	0.2548	-0.6727	0.3241	TM 255.6036	M 252.6595	TM 262.5068	96.19%
σ		0.0189	0.0315	0.0095	0.2531	0.1427	TM 3.7765	M 2.9952	TM 3.9614	1.95%
%RSD		1.8020	15.0563	3.7325	37.6182	44.0405	TM 1.4775	M 1.1855	TM 1.5090	2.03

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:05:42	0.3037	0.2052	0.2230	97.50%	101.89%	0.2012	0.2214	0.2112
2	10:06:19	0.3474	0.1957	0.2049	99.64%	104.10%	0.1957	0.2258	0.2114
3	10:06:56	0.3266	0.2233	0.2204	101.95%	106.19%	0.1974	0.2157	0.2093
x		0.3259	0.2081	0.2161	99.70%	104.06%	0.1981	0.2210	0.2106
σ		0.0219	0.0140	0.0097	2.23%	2.15%	0.0028	0.0051	0.0012
%RSD		6.7171	6.7215	4.5119	2.23	2.07	1.4032	2.2989	0.5474

ICSA+B MS9-89-D 10/23/2006 10:08:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:08:26	85.27%	-0.2888	21.8986	M 26.4627	22.6839	21.3866	21.6188	24.1791	21.9991
2	10:09:03	88.71%	-0.3398	21.5353	M 26.1915	22.2721	21.3465	21.5711	23.9330	21.9904
3	10:09:41	87.53%	-0.3320	21.7819	M 25.7023	22.4856	21.3560	21.4578	24.0261	22.2690
x		87.17%	-0.3202	21.7386	M 26.1188	22.4805	21.3630	21.5492	24.0461	22.0862
σ		1.75%	0.0275	0.1855	M 0.3854	0.2060	0.0209	0.0827	0.1242	0.1584
%RSD		2.01	8.5744	0.8532	M 1.4755	0.9163	0.0980	0.3838	0.5166	0.7173

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:08:26	22.5261	22.8260	0.4840	-0.4895	0.2704	TM 245.5769	M 244.6947	TM 255.6021	97.92%
2	10:09:03	22.3290	22.5913	0.4815	-0.5253	0.1128	TM 247.8051	M 244.1710	TM 255.7344	99.21%
3	10:09:41	22.6344	22.7253	0.3806	-0.7340	-0.0313	TM 248.4662	M 245.4681	TM 256.1431	100.53%
x		22.4965	22.7142	0.4487	-0.5829	0.1173	TM 247.2827	M 244.7779	TM 255.8265	99.22%
σ		0.1548	0.1178	0.0590	0.1321	0.1509	TM 1.5138	M 0.6525	TM 0.2820	1.31%
%RSD		0.6882	0.5185	13.1420	22.6555	128.6457	TM 0.6122	M 0.2666	TM 0.1103	1.32

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:08:26	23.8141	24.0228	23.6423	100.65%	103.57%	0.1706	0.1861	0.1801
2	10:09:03	23.5567	23.4604	23.3801	103.54%	107.58%	0.1638	0.1833	0.1748
3	10:09:41	23.9063	23.2430	23.1972	105.51%	109.08%	0.1555	0.1789	0.1765
x		23.7591	23.5754	23.4065	103.23%	106.74%	0.1633	0.1828	0.1772
σ		0.1812	0.4024	0.2237	2.44%	2.85%	0.0076	0.0036	0.0027
%RSD		0.7626	1.7070	0.9559	2.37	2.67	4.6428	1.9754	1.5186

K8882-MB 10/23/2006 10:11:11 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:11:11	91.10%	-0.0293	-0.0469	0.0998	-0.0101	-0.0462	-0.0280	0.0899	0.1808
2	10:11:49	93.28%	-0.0332	-0.0440	0.0266	-0.0252	-0.0429	-0.0296	0.0934	0.1838
3	10:12:26	93.76%	-0.0239	-0.0519	-0.0874	0.0027	-0.0390	-0.0287	0.1057	0.2546
x		92.71%	-0.0288	-0.0476	0.0130	-0.0109	-0.0427	-0.0288	0.0963	0.2064
σ		1.42%	0.0047	0.0040	0.0943	0.0140	0.0036	0.0008	0.0083	0.0418
%RSD		1.53	16.3094	8.3850	725.5997	128.8107	8.5015	2.6852	8.5892	20.2474

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:11:11	0.0655	0.0293	0.0688	-0.3541	0.0967	8.0573	8.2486	8.1621	103.93%
2	10:11:49	0.0888	0.0439	-0.0494	-0.1797	0.1027	4.8142	4.8318	4.8630	105.11%
3	10:12:26	0.1350	0.0157	0.0141	-0.5560	0.0602	3.4146	3.4134	3.4805	106.25%
x		0.0965	0.0296	0.0112	-0.3633	0.0866	5.4287	5.4979	5.5018	105.10%
σ		0.0354	0.0141	0.0591	0.1883	0.0230	2.3816	2.4855	2.4053	1.16%
%RSD		36.6800	47.5968	529.0203	51.8408	26.6148	43.8699	45.2076	43.7179	1.10

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:11:11	0.0122	0.0084	0.0077	106.10%	107.96%	-0.0032	0.0000	-0.0021
2	10:11:49	0.0087	0.0053	0.0050	107.93%	108.97%	-0.0035	-0.0016	-0.0021
3	10:12:26	0.0086	0.0042	0.0087	108.34%	109.87%	-0.0013	-0.0018	-0.0022
x		0.0098	0.0060	0.0071	107.46%	108.93%	-0.0027	-0.0011	-0.0021
σ		0.0021	0.0022	0.0020	1.19%	0.96%	0.0012	0.0010	0.0001
%RSD		21.1189	36.1641	27.4751	1.11	0.88	45.2045	88.0920	3.6608

K8882-LCSW 10/23/2006 10:13:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:13:53	94.75%	20.5724	19.9430	19.9800	20.2174	20.2730	19.9144	21.6504	21.8567
2	10:14:31	95.03%	20.8218	20.1316	20.3744	20.1877	19.9365	19.9825	21.7828	21.4058
3	10:15:09	94.60%	20.3895	20.3697	20.4005	19.8555	20.0499	19.9743	21.5677	21.6581
x		94.79%	20.5946	20.1481	20.2516	20.0869	20.0865	19.9570	21.6669	21.6402
σ		0.22%	0.2170	0.2138	0.2356	0.2009	0.1712	0.0371	0.1085	0.2260
%RSD		0.23	1.0538	1.0613	1.1634	1.0002	0.8523	0.1861	0.5008	1.0442

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:13:53	21.5425	20.4954	21.6535	21.2654	22.3538	21.4318	21.4444	21.6234	104.59%
2	10:14:31	21.5107	20.2573	22.5487	21.4575	22.0781	21.6543	21.9080	21.8990	107.49%
3	10:15:09	21.5378	20.5470	21.9169	21.6096	22.5155	21.8935	22.2825	21.9227	106.38%
x		21.5303	20.4332	22.0397	21.4442	22.3158	21.6599	21.8783	21.8150	106.15%
σ		0.0172	0.1545	0.4600	0.1725	0.2212	0.2309	0.4198	0.1664	1.46%
%RSD		0.0799	0.7563	2.0873	0.8043	0.9910	1.0661	1.9189	0.7627	1.38

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:13:53	21.4324	21.3915	21.3848	105.74%	108.68%	20.5209	20.5525	20.6743
2	10:14:31	21.3309	21.2607	21.2243	109.95%	111.00%	20.4060	20.5039	20.6470
3	10:15:09	21.3102	21.4137	21.2556	109.76%	110.98%	20.4856	20.4263	20.6651
x		21.3578	21.3553	21.2882	108.48%	110.22%	20.4708	20.4942	20.6622
σ		0.0654	0.0827	0.0851	2.38%	1.34%	0.0589	0.0636	0.0139
%RSD		0.3062	0.3871	0.3997	2.19	1.21	0.2876	0.3106	0.0671

K8882-21 10/23/2006 10:16:37 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:16:37	95.94%	0.0327	-0.0024	0.7579	0.1304	M 28.7090	M 28.3107	4.5964	4.1777
2	10:17:15	95.49%	0.0598	0.0074	0.6997	0.0918	M 28.4543	M 28.2376	4.5404	4.4567
3	10:17:52	94.34%	0.0396	0.0111	0.8341	0.1481	M 28.7589	M 28.2257	4.6239	4.4910
x		95.25%	0.0440	0.0054	0.7639	0.1234	M 28.6407	M 28.2580	4.5869	4.3751
σ		0.83%	0.0141	0.0070	0.0674	0.0288	M 0.1634	M 0.0460	0.0425	0.1719
%RSD		0.87	32.0278	130.2499	8.8244	23.3463	M 0.5705	M 0.1629	0.9268	3.9284

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:16:37	4.3194	0.2320	0.2757	-0.0751	0.7978	1.3733	1.4410	1.3629	105.30%
2	10:17:15	4.3936	0.2037	0.1889	-0.1243	0.6819	1.0244	1.0486	1.0167	104.57%
3	10:17:52	4.4364	0.2134	0.1076	0.0623	0.6502	0.8549	0.8329	0.8479	104.61%
x		4.3832	0.2163	0.1907	-0.0457	0.7100	1.0842	1.1075	1.0758	104.82%
σ		0.0592	0.0144	0.0841	0.0967	0.0777	0.2643	0.3083	0.2626	0.41%
%RSD		1.3503	6.6466	44.0920	211.6374	10.9442	24.3812	27.8411	24.4054	0.39

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:16:37	0.0060	0.0072	0.0058	107.42%	109.10%	0.1112	0.1204	0.1181
2	10:17:15	0.0097	0.0077	0.0054	107.27%	110.45%	0.1149	0.1119	0.1189
3	10:17:52	0.0161	0.0063	0.0103	108.85%	110.67%	0.1193	0.1294	0.1169
x		0.0106	0.0071	0.0072	107.85%	110.07%	0.1151	0.1206	0.1180
σ		0.0051	0.0007	0.0027	0.87%	0.85%	0.0041	0.0088	0.0010
%RSD		48.2404	10.4594	38.1717	0.81	0.77	3.5427	7.2870	0.8473

K8882-21D 10/23/2006 10:19:19 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:19:19	95.28%	0.0433	-0.0184	0.8714	0.1257	M 28.4176	M 28.0961	4.4971	4.3677
2	10:19:57	95.63%	0.0246	-0.0063	0.8779	0.1076	M 27.7986	M 27.7252	4.4945	4.2909
3	10:20:35	94.66%	0.0321	0.0101	0.8119	0.1091	M 28.9534	M 28.5740	4.5783	4.3650
x		95.19%	0.0333	-0.0049	0.8537	0.1141	M 28.3899	M 28.1318	4.5233	4.3412
σ		0.49%	0.0094	0.0143	0.0364	0.0101	M 0.5779	M 0.4255	0.0476	0.0436
%RSD		0.51	28.3309	294.1997	4.2652	8.8163	M 2.0357	M 1.5126	1.0530	1.0034

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:19:19	4.2768	0.1805	0.3093	-0.3019	0.7688	0.4947	0.5332	0.4918	104.06%
2	10:19:57	4.3184	0.1671	0.2938	-0.1055	0.7384	0.4672	0.4972	0.4578	103.86%
3	10:20:35	4.3415	0.1573	0.1914	0.0045	0.6104	0.4292	0.4323	0.4127	104.28%
x		4.3122	0.1683	0.2648	-0.1343	0.7059	0.4637	0.4876	0.4541	104.07%
σ		0.0328	0.0116	0.0641	0.1552	0.0840	0.0329	0.0511	0.0397	0.21%
%RSD		0.7597	6.9168	24.1872	115.6124	11.9046	7.0902	10.4804	8.7329	0.21

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:19:19	0.0034	0.0010	0.0024	105.60%	107.13%	0.1121	0.1172	0.1182
2	10:19:57	0.0048	0.0020	0.0024	107.41%	110.38%	0.1059	0.1193	0.1140
3	10:20:35	0.0063	0.0080	0.0007	107.54%	109.74%	0.1178	0.1223	0.1195
x		0.0049	0.0037	0.0019	106.85%	109.09%	0.1119	0.1196	0.1172
σ		0.0015	0.0038	0.0010	1.08%	1.72%	0.0059	0.0026	0.0028
%RSD		29.8881	103.5986	51.7187	1.01	1.58	5.3140	2.1473	2.4211

K8882-21L 1/5 10/23/2006 10:22:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:06	96.40%	-0.0322	-0.0334	0.2487	0.0270	6.5902	6.5351	1.2738	1.2687
2	10:22:43	97.75%	-0.0279	-0.0233	0.2761	0.0205	6.7704	6.7242	1.2685	1.3100
3	10:23:21	100.02%	-0.0405	-0.0269	0.5547	0.0650	6.6729	6.6857	1.2733	1.3779
x		98.06%	-0.0335	-0.0278	0.3599	0.0375	6.6779	6.6483	1.2719	1.3189
σ		1.83%	0.0064	0.0051	0.1693	0.0240	0.0902	0.0999	0.0029	0.0551
%RSD		1.87	19.0896	18.3183	47.0515	64.0321	1.3505	1.5026	0.2308	4.1797

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:06	1.2349	0.0590	0.0348	-0.2990	0.2516	0.1968	0.1918	0.1939	106.66%
2	10:22:43	1.2823	0.0895	0.0925	-0.0672	0.4315	0.2104	0.2066	0.2010	107.46%
3	10:23:21	1.2373	0.0921	0.0790	-0.4124	0.4416	0.1824	0.2115	0.1884	107.80%
x		1.2515	0.0802	0.0688	-0.2595	0.3749	0.1965	0.2033	0.1944	107.31%
σ		0.0267	0.0184	0.0302	0.1760	0.1069	0.0140	0.0103	0.0063	0.59%
%RSD		2.1331	22.9537	43.8517	67.8030	28.5190	7.1317	5.0563	3.2606	0.55

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:22:06	-0.0003	0.0034	-0.0003	107.40%	109.56%	0.0334	0.0370	0.0363
2	10:22:43	0.0035	0.0011	0.0012	108.31%	109.78%	0.0310	0.0391	0.0376
3	10:23:21	0.0022	0.0021	0.0014	109.67%	112.32%	0.0306	0.0322	0.0339
x		0.0018	0.0022	0.0008	108.46%	110.55%	0.0317	0.0361	0.0359
σ		0.0019	0.0011	0.0009	1.14%	1.53%	0.0015	0.0035	0.0019
%RSD		108.1168	52.4074	116.9801	1.05	1.39	4.7609	9.7346	5.2747

K8882-21A +20PPB 10/23/2006 10:24:48 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:48	99.55%	20.8088	20.0733	20.8315	20.0469	M48.3016	M47.3615	M25.6294	M25.0159
2	10:25:26	95.99%	20.8092	19.9832	20.9532	20.1164	M48.2316	M48.0127	M25.8238	M25.5222
3	10:26:04	95.67%	20.7297	20.0296	20.9614	20.0000	M47.1459	M46.6720	M25.3980	M25.3246
x		97.07%	20.7825	20.0287	20.9154	20.0544	M47.8930	M47.3487	M25.6171	M25.2876
σ		2.15%	0.0458	0.0451	0.0727	0.0586	M0.6480	M0.6704	M0.2131	M0.2551
%RSD		2.22	0.2204	0.2250	0.3477	0.2921	M1.3530	M1.4159	M0.8320	M1.0089

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:48	M25.6925	21.1868	22.7482	22.5951	23.9508	20.4071	20.7178	20.7736	103.26%
2	10:25:26	M25.6823	21.1940	23.5495	22.6454	23.8363	21.2701	21.5551	21.2977	104.54%
3	10:26:04	M25.2276	20.6283	22.9933	22.2561	23.4806	21.3021	21.4655	21.3420	104.84%
x		M25.5341	21.0030	23.0970	22.4988	23.7559	20.9931	21.2461	21.1378	104.21%
σ		M0.2655	0.3246	0.4106	0.2117	0.2452	0.5077	0.4597	0.3161	0.84%
%RSD		M1.0399	1.5453	1.7777	0.9410	1.0321	2.4186	2.1638	1.4956	0.80

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:24:48	21.1695	21.0737	21.1317	106.78%	109.01%	20.6386	20.3940	20.6634
2	10:25:26	21.8163	21.6640	21.5689	106.53%	110.34%	20.8860	20.7260	20.8097
3	10:26:04	21.3424	21.1618	21.0673	108.34%	111.52%	20.4699	20.3494	20.3870
x		21.4427	21.2998	21.2560	107.22%	110.29%	20.6649	20.4898	20.6200
σ		0.3349	0.3184	0.2729	0.98%	1.25%	0.2093	0.2058	0.2146
%RSD		1.5616	1.4950	1.2839	0.92	1.14	1.0128	1.0043	1.0409

K8882-21S 10/23/2006 10:27:32 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:27:32	96.22%	21.0209	20.2110	21.2708	20.3536	M49.0097	M48.4952	M26.3471	M25.6849
2	10:28:09	96.35%	20.9650	20.1325	21.1081	20.1775	M48.3955	M48.0001	M26.5709	M25.8580
3	10:28:46	96.82%	20.9808	19.9749	20.9891	20.3303	M48.4148	M48.3138	M26.1041	M25.8461
x		96.46%	20.9889	20.1061	21.1227	20.2871	M48.6067	M48.2697	M26.3407	M25.7963
σ		0.31%	0.0288	0.1203	0.1414	0.0957	M0.3492	M0.2505	M0.2334	M0.0967
%RSD		0.32	0.1372	0.5981	0.6694	0.4716	M0.7184	M0.5190	M0.8862	M0.3750

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:27:32	M25.8718	22.1969	22.8014	22.2053	23.3462	21.5145	21.3734	21.5739	103.94%
2	10:28:09	M25.9519	22.0729	22.5318	22.3147	22.7937	21.4260	21.4803	21.7136	106.87%
3	10:28:46	M25.8056	21.6624	22.7525	21.4829	22.4160	21.5797	21.5394	21.7089	106.33%
x		M25.8764	21.9774	22.6953	22.0010	22.8520	21.5067	21.4643	21.6655	105.71%
σ		M0.0733	0.2798	0.1436	0.4520	0.4678	0.0771	0.0841	0.0793	1.56%
%RSD		M0.2832	1.2731	0.6329	2.0544	2.0473	0.3586	0.3919	0.3661	1.48

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:27:32	21.4625	21.2642	21.2524	106.63%	108.77%	20.4365	20.6409	20.6418
2	10:28:09	21.5629	21.2681	21.2422	108.77%	110.80%	20.5468	20.5204	20.6361
3	10:28:46	21.4012	21.3616	21.2738	109.81%	111.63%	20.6495	20.6524	20.5264
x		21.4755	21.2980	21.2561	108.40%	110.40%	20.5443	20.6046	20.6014
σ		0.0816	0.0551	0.0162	1.62%	1.47%	0.1065	0.0731	0.0650
%RSD		0.3800	0.2589	0.0760	1.49	1.33	0.5185	0.3548	0.3157

CCV2 MS9-89-B 10/23/2006 10:30:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:15	93.79%	24.8934	24.0361	24.5087	24.4259	24.5544	24.4938	M 25.4135	M 25.5882
2	10:30:53	99.68%	24.5548	24.1955	24.5062	24.0957	24.0505	24.1443	24.8888	24.7212
3	10:31:30	96.62%	24.8159	24.0300	24.6875	24.5122	24.3830	24.2773	M 25.2549	M 25.2752
x		96.70%	24.7547	24.0872	24.5675	24.3446	24.3293	24.3051	M 25.1857	M 25.1949
σ		2.94%	0.1774	0.0938	0.1039	0.2198	0.2562	0.1764	M 0.2691	M 0.4391
%RSD		3.04	0.7166	0.3895	0.4230	0.9030	1.0531	0.7258	M 1.0684	M 1.7427

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:15	M 25.2115	24.8752	M 25.1306	M 25.1225	M 26.0182	M 25.5266	M 25.5666	M 25.8761	104.50%
2	10:30:53	24.8614	24.3823	M 25.0981	24.2429	M 25.1403	M 25.7485	M 25.8773	M 25.9711	106.37%
3	10:31:30	M 25.1619	M 25.0792	M 25.2118	M 25.1766	M 25.8111	M 25.9476	M 25.8463	M 26.2250	105.05%
x		M 25.0783	M 24.7789	M 25.1468	M 24.8473	M 25.6565	M 25.7409	M 25.7634	M 26.0241	105.30%
σ		M 0.1895	M 0.3583	M 0.0586	M 0.5242	M 0.4589	M 0.2106	M 0.1712	M 0.1804	0.96%
%RSD		M 0.7555	M 1.4460	M 0.2330	M 2.1096	M 1.7885	M 0.8181	M 0.6644	M 0.6932	0.91

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:30:15	M 25.4582	M 25.3948	M 25.3660	106.26%	107.83%	24.8064	24.9983	M 25.2080
2	10:30:53	M 25.5661	M 25.2118	M 25.1767	109.28%	110.77%	M 25.2499	M 25.1323	M 25.3952
3	10:31:30	M 25.7008	M 25.4495	M 25.6465	107.59%	109.95%	M 25.1296	M 25.0329	M 25.2845
x		M 25.5750	M 25.3520	M 25.3964	107.71%	109.52%	M 25.0620	M 25.0545	M 25.2959
σ		M 0.1215	M 0.1245	M 0.2364	1.52%	1.52%	M 0.2293	M 0.0696	M 0.0941
%RSD		M 0.4752	M 0.4912	M 0.9308	1.41	1.39	M 0.9151	M 0.2776	M 0.3719

CCB2 10/23/2006 10:32:58 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:32:58	96.79%	-0.0235	-0.0149	0.2161	0.0479	-0.0035	0.0004	-0.0128	0.1757
2	10:33:35	96.78%	-0.0406	0.0002	0.4739	0.0513	0.0013	0.0015	0.0291	0.1972
3	10:34:13	98.68%	-0.0458	-0.0090	0.3747	0.0125	-0.0065	-0.0054	0.0053	0.1925
x		97.42%	-0.0366	-0.0079	0.3549	0.0372	-0.0029	-0.0012	0.0072	0.1885
σ		1.09%	0.0116	0.0076	0.1301	0.0215	0.0040	0.0037	0.0210	0.0113
%RSD		1.12	31.7729	96.8346	36.6498	57.7692	136.6742	318.1371	293.4015	5.9994

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:32:58	0.0107	0.1680	0.0885	-0.0509	0.3993	0.8475	0.8551	0.8785	101.28%
2	10:33:35	0.0217	0.0756	0.1637	-0.3073	0.1816	0.5183	0.5362	0.5524	103.40%
3	10:34:13	0.0120	0.0489	0.0283	-0.3579	0.1060	0.3833	0.3882	0.3829	103.79%
x		0.0148	0.0975	0.0935	-0.2387	0.2290	0.5830	0.5931	0.6046	102.82%
σ		0.0060	0.0625	0.0678	0.1646	0.1523	0.2388	0.2386	0.2519	1.35%
%RSD		40.9111	64.0866	72.5273	68.9598	66.5235	40.9594	40.2297	41.6596	1.31

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:32:58	0.0095	0.0058	0.0070	104.14%	104.54%	0.0076	0.0115	0.0102
2	10:33:35	0.0096	0.0039	0.0049	105.27%	107.70%	0.0061	0.0099	0.0088
3	10:34:13	0.0040	0.0053	0.0052	107.09%	108.39%	0.0072	0.0091	0.0071
x		0.0077	0.0050	0.0057	105.50%	106.88%	0.0070	0.0102	0.0087
σ		0.0032	0.0009	0.0011	1.49%	2.05%	0.0008	0.0012	0.0016
%RSD		41.9434	18.9818	19.8985	1.41	1.92	10.8275	11.7977	17.8984

K8882-28 10/23/2006 10:35:40 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:40	92.73%	0.1081	0.0016	1.9110	0.3984	0.6428	0.0788	0.2397	0.4586
2	10:36:19	91.53%	0.1102	-0.0122	1.9922	0.4060	0.6331	0.0632	0.2340	0.5006
3	10:36:57	91.82%	0.1148	-0.0093	2.1435	0.4101	0.6229	0.0782	0.2447	0.4899
x		92.03%	0.1110	-0.0066	2.0156	0.4048	0.6329	0.0734	0.2395	0.4830
σ		0.63%	0.0034	0.0073	0.1180	0.0059	0.0099	0.0089	0.0054	0.0218
%RSD		0.68	3.0546	109.7532	5.8555	1.4654	1.5698	12.0615	2.2392	4.5132

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:40	0.2440	0.5290	0.4269	-0.0603	1.9027	0.3650	0.4160	0.3317	100.50%
2	10:36:19	0.1896	0.5811	0.5228	-0.2667	2.1069	0.3785	0.4230	0.3254	100.26%
3	10:36:57	0.2184	0.6599	0.6617	-0.1051	2.5242	0.3705	0.3945	0.3170	100.53%
x		0.2173	0.5900	0.5371	-0.1440	2.1779	0.3713	0.4112	0.3247	100.43%
σ		0.0272	0.0659	0.1180	0.1086	0.3168	0.0068	0.0149	0.0074	0.15%
%RSD		12.5145	11.1704	21.9763	75.3719	14.5454	1.8188	3.6214	2.2744	0.15

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:35:40	0.0027	-0.0031	0.0004	104.20%	108.34%	0.0111	0.0159	0.0136
2	10:36:19	0.0020	-0.0010	-0.0027	104.23%	108.43%	0.0115	0.0142	0.0132
3	10:36:57	0.0020	-0.0015	0.0019	104.60%	109.13%	0.0104	0.0155	0.0135
x		0.0022	-0.0018	-0.0001	104.34%	108.63%	0.0110	0.0152	0.0134
σ		0.0004	0.0011	0.0024	0.22%	0.43%	0.0005	0.0009	0.0002
%RSD		16.2400	59.3264	1637.2547	0.21	0.39	4.7402	6.1258	1.6566

K8882-MB 1/5 10/23/2006 10:38:26 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:26	94.93%	-0.0353	0.0845	0.5796	0.1500	0.1207	0.1306	0.4091	0.5958
2	10:39:04	96.20%	-0.0807	0.0940	0.5675	0.1346	0.1059	0.1231	0.3612	0.5498
3	10:39:43	98.22%	-0.0592	0.0686	0.6141	0.2329	0.1125	0.1166	0.3712	0.5383
x		96.45%	-0.0584	0.0824	0.5871	0.1725	0.1131	0.1234	0.3805	0.5613
σ		1.66%	0.0227	0.0129	0.0242	0.0529	0.0074	0.0070	0.0253	0.0304
%RSD		1.72	38.8873	15.6092	4.1228	30.6522	6.5781	5.6789	6.6468	5.4186

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:26	0.3724	0.1068	0.2382	-0.4728	0.4267	0.2946	0.3160	0.2865	103.44%
2	10:39:04	0.3461	0.1020	0.1572	-0.2100	0.4415	0.2635	0.2738	0.2699	105.53%
3	10:39:43	0.3722	0.0487	0.2339	-0.3525	0.2930	0.2453	0.2423	0.2282	108.45%
x		0.3635	0.0859	0.2098	-0.3451	0.3871	0.2678	0.2774	0.2616	105.81%
σ		0.0151	0.0323	0.0456	0.1315	0.0818	0.0249	0.0369	0.0300	2.52%
%RSD		4.1540	37.6128	21.7317	38.1118	21.1230	9.3049	13.3149	11.4820	2.38

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:38:26	0.0016	0.5129	0.2881	105.50%	107.34%	0.0490	0.0534	0.0511
2	10:39:04	0.0026	0.4728	0.3022	109.48%	110.74%	0.0452	0.0511	0.0493
3	10:39:43	0.0046	0.4686	0.2657	110.01%	110.82%	0.0458	0.0515	0.0490
x		0.0029	0.4847	0.2853	108.33%	109.63%	0.0467	0.0520	0.0498
σ		0.0015	0.0245	0.0184	2.47%	1.99%	0.0020	0.0012	0.0011
%RSD		51.3596	5.0441	6.4606	2.28	1.81	4.3358	2.3572	2.2444

K8882-LCSS 1/50 10/23/2006 10:46:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:21	95.60%	M 30.5634	17.1427	18.5265	17.1582	14.0901	14.0348	M 76.6681	M 75.0445
2	10:46:59	95.99%	M 29.9057	16.7033	17.2134	16.9952	14.0163	13.8998	M 76.7839	M 74.9462
3	10:47:36	95.61%	M 30.4213	16.9885	17.5085	16.9800	13.8674	14.0231	M 77.9889	M 75.9590
x		95.73%	M 30.2968	16.9449	17.7495	17.0445	13.9913	13.9859	M 77.1469	M 75.3165
σ		0.22%	M 0.3461	0.2230	0.6889	0.0988	0.1134	0.0748	M 0.7314	M 0.5585
%RSD		0.23	M 1.1423	1.3159	3.8815	0.5797	0.8105	0.5349	M 0.9481	M 0.7416

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:21	M 76.1472	M 27.6980	14.3248	13.1642	13.3072	5.6027	5.6836	5.6551	112.56%
2	10:46:59	M 76.3768	M 27.5205	13.9813	12.9597	13.7409	5.6490	5.7090	5.7270	114.09%
3	10:47:36	M 77.6277	M 28.1171	14.5795	13.2905	13.8803	5.8616	5.7998	5.8444	112.36%
x		M 76.7172	M 27.7786	14.2952	13.1381	13.6428	5.7044	5.7308	5.7422	113.00%
σ		M 0.7968	M 0.3064	0.3002	0.1669	0.2989	0.1381	0.0611	0.0955	0.94%
%RSD		M 1.0386	M 1.1028	2.0998	1.2706	2.1908	2.4204	1.0660	1.6638	0.84

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:46:21	19.2970	19.3608	19.3287	115.18%	115.05%	13.6142	15.1610	15.1248
2	10:46:59	19.2043	19.5419	19.3320	116.27%	116.91%	13.6641	15.1751	15.1079
3	10:47:36	19.5186	19.6870	19.6032	116.37%	117.06%	13.8187	15.1449	15.0262
x		19.3400	19.5299	19.4213	115.94%	116.34%	13.6990	15.1603	15.0863
σ		0.1615	0.1634	0.1575	0.66%	1.12%	0.1066	0.0151	0.0527
%RSD		0.8350	0.8368	0.8111	0.57	0.96	0.7784	0.0995	0.3496

K8882-10 1/5 10/23/2006 10:49:06 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:49:06	95.63%	TM 187.8389	9.0533	11.9252	14.0865	TM 70.2373	M 70.2869	M 42.8632	M 43.7545
2	10:49:44	91.84%	TM 190.1191	8.9220	11.7643	13.9925	TM 71.1090	M 70.6704	M 43.6908	M 44.9438
3	10:50:21	92.63%	TM 190.5223	8.9208	11.4992	13.8619	TM 70.5105	M 70.3072	M 43.2853	M 44.1722
x		93.37%	TM 189.4934	8.9653	11.7296	13.9803	TM 70.6189	M 70.4215	M 43.2798	M 44.2902
σ		2.00%	TM 1.4470	0.0762	0.2151	0.1128	TM 0.4458	M 0.2158	M 0.4138	M 0.6033
%RSD		2.14	TM 0.7636	0.8495	1.8339	0.8068	TM 0.6313	M 0.3064	M 0.9562	M 1.3622

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:49:06	M 39.8820	5.2235	0.5729	-3.2250	0.2776	1.0884	1.1990	1.1663	109.35%
2	10:49:44	M 40.5021	5.2127	0.5099	-3.0648	0.1462	1.0847	1.1368	1.1651	108.65%
3	10:50:21	M 40.3821	5.1476	0.5620	-3.0573	0.2567	1.0566	1.1400	1.1435	109.19%
x		M 40.2554	5.1946	0.5483	-3.1157	0.2268	1.0766	1.1586	1.1583	109.07%
σ		M 0.3289	0.0410	0.0337	0.0947	0.0706	0.0174	0.0350	0.0128	0.37%
%RSD		M 0.8170	0.7902	6.1483	3.0407	31.1235	1.6156	3.0199	1.1068	0.34

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:49:06	0.2768	0.5080	0.3724	113.52%	115.42%	23.1612	24.7268	24.4788
2	10:49:44	0.2607	0.5056	0.3883	113.90%	115.47%	23.0765	24.4962	24.2855
3	10:50:21	0.2708	0.5156	0.3789	114.51%	116.55%	22.9461	24.5240	24.2764
x		0.2694	0.5097	0.3799	113.98%	115.82%	23.0613	24.5823	24.3469
σ		0.0081	0.0052	0.0080	0.50%	0.64%	0.1084	0.1259	0.1143
%RSD		3.0037	1.0201	2.1013	0.44	0.55	0.4699	0.5121	0.4694

3D 10/29/06

S.D. & P.S. Fixed See 1/10

K8882-10D 1/5 10/23/2006 10:51:52 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:52	90.45%	TM 238.1737	11.9759	15.5219	18.0593	TM 81.3144	M 86.2152	M 52.3665	M 52.9169
2	10:52:30	90.11%	TM 233.6022	11.7976	15.2452	18.0451	TM 81.8575	M 86.6643	M 52.4353	M 52.7082
3	10:53:07	92.12%	TM 231.6695	11.6238	15.4717	17.4631	TM 79.5760	M 84.1141	M 51.2878	M 52.1823
x		90.90%	TM 234.4818	11.7991	15.4129	17.8558	TM 80.9160	M 85.6646	M 52.0299	M 52.6024
σ		1.08%	TM 3.3401	0.1760	0.1474	0.3402	TM 1.1918	M 1.3614	M 0.6435	M 0.3786
%RSD		1.19	TM 1.4245	1.4920	0.9565	1.9054	TM 1.4729	M 1.5892	M 1.2369	M 0.7197

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:52	M 48.0428	6.2028	0.7566	-3.7214	-0.0460	1.4029	1.4629	1.5400	105.75%
2	10:52:30	M 47.9214	6.1317	0.7352	-3.6456	0.1764	1.4211	1.5196	1.5369	107.53%
3	10:53:07	M 47.2403	6.0738	0.7219	-3.6891	0.0530	1.3817	1.4568	1.5028	107.55%
x		M 47.7348	6.1361	0.7379	-3.6854	0.0611	1.4019	1.4798	1.5266	106.94%
σ		M 0.4326	0.0646	0.0175	0.0380	0.1114	0.0197	0.0346	0.0206	1.03%
%RSD		M 0.9062	1.0530	2.3711	1.0323	182.3298	1.4042	2.3411	1.3509	0.97

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:51:52	0.3507	0.6653	0.4718	111.38%	115.81%	M 33.3449	M 34.8144	M 35.1492
2	10:52:30	0.3308	0.6348	0.4872	112.48%	117.19%	M 32.7751	M 34.5315	M 34.2689
3	10:53:07	0.3126	0.6222	0.4548	114.31%	116.23%	M 32.2265	M 33.8746	M 33.8341
x		0.3314	0.6408	0.4713	112.72%	116.41%	M 32.7822	M 34.4068	M 34.4174
σ		0.0191	0.0221	0.0162	1.48%	0.71%	M 0.5592	M 0.4821	M 0.6700
%RSD		5.7513	3.4524	3.4373	1.31	0.61	M 1.7059	M 1.4012	M 1.9467

K8882-10L 1/5 X 1/5 10/23/2006 10:54:37 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:37	96.61%	TM 69.0743	3.6068	5.0632	5.7073	M 29.6827	M 29.3369	16.9747	18.1030
2	10:55:15	97.30%	TM 67.0358	3.4125	4.6359	5.5479	M 28.9869	M 28.7325	16.6531	17.6694
3	10:55:52	95.86%	TM 65.7592	3.3251	4.6560	5.3697	M 28.1584	M 28.0926	16.2931	17.3388
x		96.59%	TM 67.2898	3.4481	4.7850	5.5417	M 28.9427	M 28.7207	16.6403	17.7037
σ		0.72%	TM 1.6721	0.1442	0.2411	0.1689	M 0.7631	M 0.6222	0.3410	0.3833
%RSD		0.75	TM 2.4849	4.1813	5.0379	3.0478	M 2.6366	M 2.1665	2.0490	2.1649

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:37	16.1964	2.0632	0.3128	-1.7507	0.1908	0.3538	0.3657	0.3693	113.37%
2	10:55:15	15.7288	2.0238	0.3284	-1.5554	0.2592	0.3218	0.3615	0.3490	113.32%
3	10:55:52	15.6448	1.9862	0.2652	-1.4946	0.2385	0.3147	0.3063	0.3285	116.08%
x		15.8567	2.0244	0.3021	-1.6002	0.2295	0.3301	0.3445	0.3489	114.26%
σ		0.2972	0.0385	0.0329	0.1338	0.0351	0.0308	0.0331	0.0204	1.58%
%RSD		1.8743	1.9017	10.9030	8.3608	15.2786	6.3124	9.6169	5.8361	1.38

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:54:37	0.0741	0.1471	0.1103	115.93%	117.30%	6.5049	6.9069	6.7617
2	10:55:15	0.0784	0.1444	0.1102	116.74%	116.17%	6.5024	6.8489	6.7967
3	10:55:52	0.0663	0.1386	0.1022	116.49%	116.78%	6.2953	6.6225	6.5443
x		0.0729	0.1433	0.1076	116.39%	116.75%	6.4342	6.7928	6.7009
σ		0.0061	0.0044	0.0046	0.42%	0.57%	0.1203	0.1503	0.1368
%RSD		8.4259	3.0442	4.2919	0.36	0.49	1.8696	2.2119	2.0414

10/23/06

K8882-10A +20PPB 1/5 10/23/2006 10:57:20 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:57:20	91.94%	TM 200.3864	20.9780	23.5858	M 25.3592	TM 78.2868	M 80.2365	M 53.3592	M 54.1616
2	10:57:57	89.38%	TM 201.0459	20.8526	23.6419	M 25.6139	TM 78.5432	M 80.6348	M 53.5079	M 54.1545
3	10:58:35	89.96%	TM 201.8697	20.9480	23.1284	M 25.1104	TM 75.7033	M 80.7816	M 53.7773	M 54.0971
x		90.43%	TM 201.1007	20.9262	23.4520	M 25.3612	TM 77.5111	M 80.5510	M 53.5481	M 54.1377
σ		1.34%	TM 0.7432	0.0655	0.2817	M 0.2518	TM 1.5709	M 0.2821	M 0.2120	M 0.0354
%RSD		1.48	TM 0.3696	0.3129	1.2011	M 0.9927	TM 2.0266	M 0.3502	M 0.3958	M 0.0654

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:57:20	M 49.8251	16.7071	13.1159	9.8297	14.1299	20.3928	21.3025	21.9482	108.94%
2	10:57:57	M 50.1640	16.6370	13.1048	9.7367	14.3287	20.9052	22.0216	22.1220	108.09%
3	10:58:35	M 49.9326	16.7014	13.0398	9.5948	13.9502	20.4591	21.3306	21.7084	110.28%
x		M 49.9739	16.6818	13.0868	9.7204	14.1362	20.5857	21.5516	21.9262	109.10%
σ		M 0.1732	0.0389	0.0411	0.1183	0.1893	0.2787	0.4073	0.2077	1.10%
%RSD		M 0.3466	0.2334	0.3139	1.2169	1.3392	1.3537	1.8899	0.9471	1.01

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	10:57:20	22.3932	22.6147	22.2916	113.47%	114.84%	M 44.5741	M 46.0724	TM 46.2531
2	10:57:57	22.2897	22.3900	22.1113	114.60%	116.36%	M 44.2735	M 45.1507	TM 45.2244
3	10:58:35	21.8508	22.2274	21.8397	114.50%	117.59%	M 43.8129	M 44.7394	TM 44.9895
x		22.1779	22.4107	22.0809	114.19%	116.26%	M 44.2202	M 45.3208	TM 45.4890
σ		0.2880	0.1945	0.2275	0.62%	1.38%	M 0.3834	M 0.6826	TM 0.6721
%RSD		1.2986	0.8679	1.0303	0.55	1.19	M 0.8671	M 1.5062	TM 1.4774

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CCV3 MS9-89-B 10/23/2006 11:04:58 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:04:58	96.08%	M 25.9227	24.7949	M 25.3171	M 25.0225	24.6903	24.6874	M 25.4003	24.9692
2	11:05:35	95.23%	M 25.8197	24.8143	M 25.3882	24.8880	24.5623	24.4359	24.9369	24.5494
3	11:06:13	97.83%	M 26.0773	24.9439	M 25.2235	M 25.2142	24.8667	24.5551	M 25.2443	M 25.5433
x		96.38%	M 25.9399	24.8510	M 25.3096	M 25.0416	24.7064	24.5595	M 25.1938	M 25.0206
σ		1.33%	M 0.1297	0.0810	M 0.0826	M 0.1639	0.1528	0.1258	M 0.2358	M 0.4990
%RSD		1.38	M 0.5000	0.3260	M 0.3262	M 0.6547	0.6186	0.5122	M 0.9359	M 1.9942

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:04:58	M 25.0731	M 25.2725	24.5829	M 25.9330	M 25.5277	24.6768	24.7492	24.9497	115.37%
2	11:05:35	24.6295	24.7515	M 25.3349	M 25.3667	24.9101	M 25.4870	M 25.5716	M 25.6437	115.56%
3	11:06:13	M 25.1701	24.8955	M 25.6836	M 25.6445	24.7362	M 25.2800	M 25.5963	M 25.5991	117.89%
x		M 24.9576	M 24.9732	M 25.2004	M 25.6481	M 25.0580	M 25.1479	M 25.3057	M 25.3975	116.27%
σ		M 0.2882	M 0.2690	M 0.5625	M 0.2832	M 0.4159	M 0.4209	M 0.4821	M 0.3885	1.40%
%RSD		M 1.1549	M 1.0772	M 2.2322	M 1.1040	M 1.6599	M 1.6738	M 1.9051	M 1.5296	1.21

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:04:58	24.9774	24.7938	24.9411	116.09%	110.36%	24.5322	24.2134	24.3372
2	11:05:35	M 25.1835	M 25.0576	24.9531	118.06%	113.03%	24.3975	24.3882	24.5956
3	11:06:13	M 25.0822	M 25.0513	24.9819	118.39%	112.76%	24.5423	24.4655	24.4899
x		M 25.0810	M 24.9676	24.9587	117.51%	112.05%	24.4907	24.3557	24.4742
σ		M 0.1031	M 0.1505	0.0210	1.24%	1.47%	0.0808	0.1292	0.1299
%RSD		M 0.4110	M 0.6027	0.0841	1.06	1.31	0.3299	0.5304	0.5307

CCB3 10/23/2006 11:12:51 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:12:51	96.60%	-0.0821	-0.0112	0.5153	0.0740	0.0101	0.0378	0.0167	0.2758
2	11:13:30	98.53%	-0.0950	-0.0249	0.5919	0.0853	0.0133	0.0208	0.0150	0.2246
3	11:14:09	97.50%	-0.0874	-0.0223	0.5747	0.0436	0.0047	0.0192	0.0201	0.2468
x		97.54%	-0.0882	-0.0195	0.5607	0.0676	0.0094	0.0259	0.0173	0.2490
σ		0.97%	0.0065	0.0073	0.0402	0.0216	0.0043	0.0103	0.0026	0.0257
%RSD		0.99	7.3711	37.5608	7.1673	31.9469	46.4699	39.8110	15.0438	10.3093

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:12:51	0.0352	-0.0388	0.2282	0.4370	0.0597	0.0337	0.0360	0.0396	108.38%
2	11:13:30	0.0483	-0.0146	0.1888	0.4982	0.1206	0.0351	0.0372	0.0323	112.48%
3	11:14:09	0.0208	-0.0204	0.2140	0.6216	0.1284	0.0352	0.0304	0.0328	112.51%
x		0.0347	-0.0246	0.2103	0.5189	0.1029	0.0346	0.0345	0.0349	111.12%
σ		0.0138	0.0126	0.0200	0.0940	0.0376	0.0008	0.0036	0.0041	2.38%
%RSD		39.6655	51.4337	9.4883	18.1151	36.5579	2.4303	10.5581	11.6858	2.14

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:12:51	0.0049	-0.0027	0.0047	109.70%	103.68%	0.0023	0.0046	0.0058
2	11:13:30	0.0097	-0.0001	0.0035	113.26%	107.33%	0.0048	0.0060	0.0045
3	11:14:09	0.0038	0.0034	0.0044	112.09%	106.64%	0.0014	0.0056	0.0040
x		0.0061	0.0002	0.0042	111.68%	105.88%	0.0028	0.0054	0.0047
σ		0.0031	0.0031	0.0006	1.81%	1.94%	0.0018	0.0007	0.0009
%RSD		51.4610	1353.9130	15.3311	1.62	1.83	63.0033	12.6306	19.2962

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:24	92.93%	TM 109.2388	5.2209	7.6296	8.6742	M 43.3359	M 43.1557	M 25.9928	M 27.4979
2	11:17:02	93.54%	TM 108.1498	5.2937	7.6315	8.6328	M 43.1951	M 42.4429	M 25.9619	M 26.9566
3	11:17:40	92.32%	TM 109.5110	5.2609	7.5432	8.6259	M 43.5212	M 43.2284	M 26.2008	M 27.5633
x		92.93%	TM 108.9665	5.2585	7.6015	8.6443	M 43.3507	M 42.9424	M 26.0518	M 27.3393
σ		0.61%	TM 0.7203	0.0365	0.0504	0.0261	M 0.1635	M 0.4340	M 0.1299	M 0.3330
%RSD		0.66	TM 0.6610	0.6932	0.6636	0.3023	M 0.3773	M 1.0108	M 0.4987	M 1.2182

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:24	24.6739	3.1591	0.4801	-2.1323	0.0634	0.5093	0.5264	0.5530	101.36%
2	11:17:02	24.7811	3.1932	0.4715	-2.2590	0.0916	0.5163	0.5507	0.5531	102.13%
3	11:17:40	24.9793	3.2155	0.2699	-2.0939	0.0058	0.5341	0.5562	0.5732	101.12%
x		24.8114	3.1893	0.4072	-2.1618	0.0536	0.5199	0.5444	0.5598	101.53%
σ		0.1549	0.0284	0.1189	0.0864	0.0437	0.0128	0.0159	0.0116	0.53%
%RSD		0.6244	0.8911	29.2129	3.9964	81.5395	2.4648	2.9128	2.0794	0.52

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:16:24	0.1377	0.2454	0.1855	101.62%	101.58%	11.1139	11.8964	11.6981
2	11:17:02	0.1350	0.2442	0.1987	103.47%	104.47%	11.0745	11.7412	11.5749
3	11:17:40	0.1354	0.2541	0.1894	102.44%	103.96%	11.1518	11.8765	11.8159
x		0.1360	0.2479	0.1912	102.51%	103.34%	11.1134	11.8380	11.6963
σ		0.0014	0.0054	0.0068	0.93%	1.54%	0.0386	0.0844	0.1205
%RSD		1.0531	2.1804	3.5538	0.90	1.49	0.3478	0.7132	1.0307

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S.D. & P.S. - out of control see 1/20

K8882-10D 1/10 10/23/2006 11:19:09 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:09	92.22%	TM 135.0731	7.1821	10.4351	11.3282	M 55.0795	M 53.7386	M 32.0977	M 33.4562
2	11:19:46	91.04%	TM 135.6352	7.1682	10.4348	11.2510	M 54.4706	M 53.9137	M 32.0804	M 34.0276
3	11:20:23	89.91%	TM 134.8949	7.0385	10.2297	11.0054	M 53.6915	M 52.9411	M 31.7710	M 33.1819
x		91.06%	TM 135.2011	7.1296	10.3666	11.1949	M 54.4139	M 53.5311	M 31.9830	M 33.5552
σ		1.16%	TM 0.3864	0.0792	0.1185	0.1685	M 0.6957	M 0.5184	M 0.1838	M 0.4314
%RSD		1.27	TM 0.2858	1.1108	1.1433	1.5053	M 1.2786	M 0.9684	M 0.5747	M 1.2857

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:09	M 30.2249	3.9155	0.4864	-2.8104	0.0566	0.6980	0.6566	0.7155	99.88%
2	11:19:46	M 30.3377	3.9396	0.5279	-2.7898	-0.1002	0.6983	0.7060	0.7342	99.12%
3	11:20:23	M 30.1448	3.8935	0.4886	-2.6322	-0.1335	0.6689	0.7212	0.7179	99.95%
x		M 30.2358	3.9162	0.5009	-2.7441	-0.0591	0.6884	0.6946	0.7225	99.65%
σ		M 0.0969	0.0231	0.0233	0.0975	0.1015	0.0169	0.0338	0.0102	0.46%
%RSD		M 0.3205	0.5890	4.6573	3.5515	171.8846	2.4524	4.8658	1.4107	0.46

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:19:09	0.1557	0.2998	0.2325	101.74%	102.00%	15.6343	16.5700	16.3812
2	11:19:46	0.1557	0.2981	0.2319	102.47%	103.55%	15.5344	16.4929	16.2809
3	11:20:23	0.1673	0.3035	0.2265	102.40%	104.08%	15.2320	16.2471	16.1377
x		0.1596	0.3005	0.2303	102.20%	103.21%	15.4669	16.4367	16.2666
σ		0.0067	0.0027	0.0033	0.40%	1.09%	0.2095	0.1686	0.1224
%RSD		4.1987	0.9137	1.4422	0.39	1.05	1.3542	1.0258	0.7524

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K8882-10 1/20 10/23/2006 11:36:21 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:36:21	92.98%	TM 60.6764	3.1603	4.5134	5.0822	M 26.1386	M 26.2849	17.0150	17.6174
2	11:36:58	94.68%	TM 60.3493	3.0915	4.5071	5.0820	M 25.9784	M 26.0122	16.8280	17.8058
3	11:37:34	93.15%	TM 60.3016	3.0849	4.4881	5.0149	M 25.6719	M 25.7607	16.9321	17.9440
x		93.60%	TM 60.4424	3.1122	4.5029	5.0597	M 25.9297	M 26.0193	16.9250	17.7891
σ		0.93%	TM 0.2040	0.0417	0.0132	0.0388	M 0.2371	M 0.2622	0.0937	0.1640
%RSD		1.00	TM 0.3376	1.3414	0.2922	0.7665	M 0.9145	M 1.0077	0.5536	0.9217

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:36:21	16.3404	1.9138	0.3736	-1.1793	0.1692	0.2568	0.2755	0.2703	101.86%
2	11:36:58	16.1810	1.8146	0.3006	-1.2366	-0.1043	0.2484	0.2993	0.2635	102.34%
3	11:37:34	16.2131	1.9403	0.2688	-1.3016	0.2267	0.2674	0.2695	0.2905	102.00%
x		16.2448	1.8896	0.3143	-1.2391	0.0972	0.2575	0.2814	0.2748	102.07%
σ		0.0843	0.0662	0.0537	0.0612	0.1768	0.0096	0.0157	0.0140	0.25%
%RSD		0.5187	3.5059	17.0932	4.9396	181.9024	3.7105	5.5856	5.0993	0.24

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:36:21	0.0724	0.1242	0.0961	102.36%	100.75%	5.6703	6.0779	6.0333
2	11:36:58	0.0700	0.1292	0.0964	103.77%	103.15%	5.6617	6.0852	6.0316
3	11:37:34	0.0857	0.1225	0.0931	103.64%	103.05%	5.7591	6.1789	6.0332
x		0.0761	0.1253	0.0952	103.25%	102.31%	5.6971	6.1140	6.0327
σ		0.0085	0.0035	0.0018	0.78%	1.36%	0.0539	0.0563	0.0010
%RSD		11.1308	2.7804	1.9399	0.76	1.33	0.9459	0.9209	0.0160

K8882-10D 1/20 10/23/2006 11:39:05 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:05	93.00%	TM 65.0193	3.7526	5.9071	6.0199	M 29.1166	M 29.2367	18.3001	18.8456
2	11:39:43	93.28%	TM 64.3218	3.6637	5.5643	5.8894	M 28.7076	M 28.8928	18.4172	19.4342
3	11:40:20	90.00%	TM 64.8737	3.7227	5.6750	5.9038	M 28.8720	M 28.7790	18.3120	19.3385
x		92.10%	TM 64.7383	3.7130	5.7154	5.9377	M 28.8987	M 28.9695	18.3431	19.2061
σ		1.82%	TM 0.3680	0.0452	0.1750	0.0716	M 0.2058	M 0.2383	0.0645	0.3158
%RSD		1.97	TM 0.5684	1.2178	3.0611	1.2055	M 0.7121	M 0.8226	0.3514	1.6445

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:05	17.6554	2.1006	0.3848	-1.3699	0.0464	0.2742	0.2954	0.2865	100.33%
2	11:39:43	17.6235	2.0763	0.3418	-1.7173	0.1582	0.2716	0.2807	0.2809	102.54%
3	11:40:20	17.4971	2.0482	0.3182	-1.5671	-0.0183	0.2813	0.2875	0.3040	103.35%
x		17.5920	2.0750	0.3483	-1.5514	0.0621	0.2757	0.2879	0.2905	102.07%
σ		0.0837	0.0262	0.0338	0.1742	0.0893	0.0050	0.0074	0.0121	1.57%
%RSD		0.4758	1.2621	9.6962	11.2309	143.7953	1.8317	2.5608	4.1537	1.53

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:39:05	0.0717	0.1212	0.0907	102.10%	100.88%	6.5095	6.9706	6.8761
2	11:39:43	0.0693	0.1237	0.0901	103.91%	103.58%	6.5320	6.9739	6.8470
3	11:40:20	0.0657	0.1173	0.0941	103.24%	103.17%	6.4590	6.9512	6.7722
x		0.0689	0.1207	0.0916	103.08%	102.54%	6.5002	6.9652	6.8318
σ		0.0030	0.0032	0.0022	0.92%	1.46%	0.0374	0.0122	0.0536
%RSD		4.3671	2.6598	2.3769	0.89	1.42	0.5754	0.1757	0.7845

K8882-10L 1/20 X 1/5 10/23/2006 11:41:49 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:49	91.54%	13.4211	0.6900	1.6919	1.2322	6.2141	6.1581	4.3069	4.8036
2	11:42:25	93.56%	13.1922	0.6964	1.1122	1.2150	6.1376	6.1836	4.3542	4.7876
3	11:43:02	93.46%	13.1759	0.7031	1.3702	1.2041	6.1923	6.2025	4.2894	4.7691
x		92.85%	13.2631	0.6965	1.3914	1.2171	6.1813	6.1814	4.3168	4.7868
σ		1.14%	0.1371	0.0065	0.2904	0.0141	0.0394	0.0223	0.0335	0.0173
%RSD		1.23	1.0335	0.9365	20.8732	1.1625	0.6377	0.3606	0.7762	0.3607

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:49	4.2080	0.4401	0.2194	-0.1468	0.1684	0.0562	0.0487	0.0516	102.91%
2	11:42:25	4.1857	0.4286	0.2252	-0.1995	0.1018	0.0549	0.0510	0.0462	105.44%
3	11:43:02	4.0797	0.4233	0.3099	-0.3192	0.1854	0.0460	0.0513	0.0467	105.23%
x		4.1578	0.4307	0.2515	-0.2219	0.1519	0.0524	0.0503	0.0482	104.53%
σ		0.0686	0.0086	0.0506	0.0884	0.0442	0.0056	0.0014	0.0030	1.40%
%RSD		1.6488	1.9974	20.1369	39.8266	29.0835	10.6539	2.8159	6.1692	1.34

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:41:49	0.0132	0.0191	0.0174	103.06%	100.11%	1.1567	1.2320	1.2161
2	11:42:25	0.0119	0.0217	0.0137	105.86%	103.33%	1.1464	1.2244	1.1902
3	11:43:02	0.0148	0.0210	0.0178	106.88%	104.67%	1.1329	1.2278	1.1950
x		0.0133	0.0206	0.0163	105.27%	102.70%	1.1453	1.2281	1.2004
σ		0.0015	0.0014	0.0023	1.98%	2.34%	0.0119	0.0038	0.0138
%RSD		10.9895	6.6525	13.8807	1.88	2.28	1.0416	0.3090	1.1489

K8882-10A +20PPB 1/20 10/23/2006 11:44:29 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:44:29	92.12%	TM 84.0404	20.8033	22.0326	22.9907	M 44.4161	M 44.4679	M 34.1626	M 34.9278
2	11:45:07	93.25%	TM 82.2791	20.5045	21.9591	22.4962	M 43.5516	M 43.2304	M 33.5133	M 34.6052
3	11:45:43	88.65%	TM 82.4762	20.2201	21.4906	22.0451	M 43.1561	M 43.0624	M 33.4276	M 34.2843
x		91.34%	TM 82.9319	20.5093	21.8274	22.5107	M 43.7079	M 43.5869	M 33.7012	M 34.6058
σ		2.40%	TM 0.9651	0.2916	0.2940	0.4730	M 0.6444	M 0.7676	M 0.4019	M 0.3218
%RSD		2.62	TM 1.1637	1.4219	1.3469	2.1011	M 1.4743	M 1.7611	M 1.1925	M 0.9298

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:44:29	M 33.0799	19.6303	17.7523	16.6278	18.3553	21.1633	21.7626	22.0247	102.45%
2	11:45:07	M 32.6141	19.1435	18.3262	16.6456	18.3928	21.3031	22.2505	22.1708	103.26%
3	11:45:43	M 32.4960	19.0945	18.1437	16.7442	18.4041	21.1757	21.7384	21.8953	102.04%
x		M 32.7300	19.2895	18.0740	16.6725	18.3841	21.2140	21.9172	22.0302	102.58%
σ		M 0.3087	0.2962	0.2932	0.0627	0.0255	0.0774	0.2889	0.1378	0.62%
%RSD		M 0.9432	1.5357	1.6223	0.3762	0.1389	0.3647	1.3182	0.6257	0.61

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:44:29	22.0920	22.0501	21.8587	102.21%	101.83%	M 27.7726	M 28.3435	M 28.2058
2	11:45:07	22.1351	21.8268	21.7710	103.95%	104.48%	M 27.3375	M 27.9801	M 27.8086
3	11:45:43	21.6827	21.5787	21.5158	103.84%	103.44%	M 27.2229	M 27.7108	M 27.5719
x		21.9699	21.8185	21.7152	103.33%	103.25%	M 27.4443	M 28.0115	M 27.8621
σ		0.2497	0.2358	0.1782	0.98%	1.34%	M 0.2901	M 0.3175	M 0.3203
%RSD		1.1365	1.0807	0.8204	0.95	1.30	M 1.0569	M 1.1335	M 1.1496

K8882-10S 1/20 10/23/2006 11:47:10 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:47:10	90.60%	TM 106.7750	M 45.6051	M 47.0807	M 47.9222	M 53.9172	M 54.0283	M 57.3456	M 65.6452
2	11:47:47	90.75%	TM 106.1151	M 45.6590	M 46.7622	M 47.3334	M 52.9073	M 52.5837	M 57.0530	M 65.3679
3	11:48:25	91.30%	TM 108.3594	M 46.4723	M 47.6810	M 47.5768	M 53.8891	M 53.7426	M 57.7386	M 65.6234
x		90.88%	TM 107.0832	M 45.9121	M 47.1746	M 47.6108	M 53.5712	M 53.4515	M 57.3791	M 65.5455
σ		0.37%	TM 1.1535	M 0.4859	M 0.4665	M 0.2959	M 0.5751	M 0.7651	M 0.3441	M 0.1542
%RSD		0.41	TM 1.0772	M 1.0583	M 0.9890	M 0.6214	M 1.0736	M 1.4313	M 0.5996	M 0.2352

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:47:10	M 61.8669	M 43.0187	M 43.4386	M 42.9167	M 44.4889	M 50.0453	M 51.1071	M 51.8258	100.18%
2	11:47:47	M 61.8838	M 42.9558	M 42.7146	M 41.8925	M 44.2943	M 49.8428	M 50.6977	M 51.4481	102.30%
3	11:48:25	M 61.9534	M 42.9980	M 43.3275	M 42.6334	M 44.3975	M 50.4107	M 51.3656	M 52.2645	102.60%
x		M 61.9014	M 42.9908	M 43.1602	M 42.4808	M 44.3936	M 50.0996	M 51.0568	M 51.8462	101.69%
σ		M 0.0458	M 0.0321	M 0.3899	M 0.5288	M 0.0974	M 0.2878	M 0.3368	M 0.4086	1.32%
%RSD		M 0.0740	M 0.0746	M 0.9033	M 1.2449	M 0.2194	M 0.5745	M 0.6596	M 0.7881	1.30

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:47:10	5.5626	5.5607	5.5034	101.32%	100.66%	M 59.0946	M 62.5278	TM 67.2090
2	11:47:47	5.4236	5.4289	5.3712	103.83%	103.62%	M 56.8000	M 60.9273	TM 65.8118
3	11:48:25	5.4197	5.3948	5.3701	104.66%	104.71%	M 57.5599	M 61.1363	TM 66.4666
x		5.4686	5.4615	5.4149	103.27%	103.00%	M 57.8181	M 61.5305	TM 66.4958
σ		0.0814	0.0876	0.0766	1.74%	2.09%	M 1.1689	M 0.8700	TM 0.6990
%RSD		1.4886	1.6044	1.4150	1.68	2.03	M 2.0217	M 1.4139	TM 1.0512

K8882-01 1/20 10/23/2006 11:49:53 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:53	88.44%	M 41.8048	4.7577	8.2062	6.1104	M 80.4913	M 78.8763	18.4275	18.3427
2	11:50:31	91.42%	M 41.6505	4.7705	8.1153	5.9497	M 80.8634	M 79.2160	18.3637	18.1320
3	11:51:09	90.40%	M 41.7270	4.7599	7.8877	6.0855	M 81.2480	M 80.5004	18.5221	18.9973
x		90.08%	M 41.7274	4.7627	8.0697	6.0485	M 80.8675	M 79.5309	18.4377	18.4907
σ		1.51%	M 0.0772	0.0069	0.1641	0.0865	M 0.3784	M 0.8566	0.0797	0.4513
%RSD		1.68	M 0.1849	0.1443	2.0335	1.4299	M 0.4679	M 1.0770	0.4323	2.4405

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:53	17.4049	2.6921	0.7650	-0.7500	0.6741	0.9998	1.0542	1.0661	99.01%
2	11:50:31	17.4443	2.7042	0.6691	-0.9793	0.5432	0.6213	0.5970	0.6074	102.12%
3	11:51:09	17.4141	2.6539	0.6266	-1.0851	0.5628	0.4247	0.4279	0.4500	101.34%
x		17.4211	2.6834	0.6869	-0.9381	0.5934	0.6819	0.6931	0.7078	100.82%
σ		0.0206	0.0263	0.0709	0.1713	0.0706	0.2923	0.3240	0.3201	1.62%
%RSD		0.1181	0.9788	10.3197	18.2593	11.9010	42.8625	46.7533	45.2159	1.60

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:49:53	0.0327	0.1027	0.0727	100.60%	102.15%	0.8915	0.9299	0.9300
2	11:50:31	0.0304	0.1056	0.0790	101.84%	104.03%	0.8685	0.9396	0.9131
3	11:51:09	0.0382	0.1169	0.0715	104.73%	105.38%	0.8598	0.9507	0.9155
x		0.0338	0.1084	0.0744	102.39%	103.85%	0.8733	0.9401	0.9195
σ		0.0040	0.0075	0.0040	2.12%	1.62%	0.0164	0.0104	0.0092
%RSD		11.8831	6.9101	5.4340	2.07	1.56	1.8806	1.1072	0.9985

CCV4 MS9-89-B 10/23/2006 11:52:35 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:52:35	91.99%	M 26.0931	M 25.2368	M 25.9033	M 25.0422	M 25.2134	24.9419	M 25.4143	M 25.8908
2	11:53:12	91.50%	M 26.3893	24.7892	M 25.2457	M 25.0625	24.8197	24.5795	M 25.2008	M 25.3794
3	11:53:48	94.41%	M 26.4958	M 25.3294	M 25.8749	M 25.2703	M 25.2192	M 25.0447	M 25.6683	M 25.8292
x		92.63%	M 26.3261	M 25.1185	M 25.6746	M 25.1250	M 25.0841	M 24.8554	M 25.4278	M 25.6998
σ		1.56%	M 0.2086	M 0.2889	M 0.3717	M 0.1262	M 0.2290	M 0.2444	M 0.2340	M 0.2792
%RSD		1.68	M 0.7925	M 1.1500	M 1.4478	M 0.5024	M 0.9130	M 0.9831	M 0.9203	M 1.0862

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:52:35	M 25.2873	M 25.1149	M 25.6529	M 25.9513	M 25.2133	M 25.3663	M 25.0532	M 25.4000	108.11%
2	11:53:12	M 25.0939	M 25.3123	M 25.0986	M 26.0480	M 25.9921	M 25.5495	M 25.5238	M 25.9574	111.00%
3	11:53:48	M 25.5832	M 25.2676	M 26.2371	M 26.1585	24.9881	M 26.1199	M 26.1716	M 26.5082	110.80%
x		M 25.3215	M 25.2316	M 25.6629	M 26.0526	M 25.3978	M 25.6785	M 25.5829	M 25.9552	109.97%
σ		M 0.2464	M 0.1035	M 0.5693	M 0.1037	M 0.5268	M 0.3930	M 0.5615	M 0.5541	1.62%
%RSD		M 0.9732	M 0.4103	M 2.2185	M 0.3979	M 2.0744	M 1.5305	M 2.1950	M 2.1348	1.47

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:52:35	M 25.5418	M 25.3901	M 25.5444	107.52%	104.09%	24.7504	24.8303	M 25.0956
2	11:53:12	M 25.7013	M 25.4207	M 25.5321	110.68%	105.73%	M 25.1706	M 25.0084	M 25.1179
3	11:53:48	M 25.9909	M 25.7517	M 25.7053	111.16%	107.51%	24.8317	24.8877	M 25.1204
x		M 25.7447	M 25.5208	M 25.5939	109.79%	105.78%	M 24.9176	M 24.9088	M 25.1113
σ		M 0.2276	M 0.2005	M 0.0966	1.98%	1.71%	M 0.2229	M 0.0909	M 0.0137
%RSD		M 0.8843	M 0.7857	M 0.3776	1.80	1.62	M 0.8944	M 0.3649	M 0.0545

CCB4 10/23/2006 11:55:15 AM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:15	93.46%	-0.1246	0.0003	0.8384	0.0818	0.0540	0.0567	0.0423	0.2981
2	11:55:53	94.11%	-0.0877	-0.0110	0.4395	0.0639	0.0324	0.0448	0.0172	0.3503
3	11:56:30	93.94%	-0.0970	-0.0050	0.6807	0.0634	0.0341	0.0539	0.0419	0.2435
x		93.84%	-0.1031	-0.0052	0.6529	0.0697	0.0402	0.0518	0.0338	0.2973
σ		0.34%	0.0192	0.0056	0.2009	0.0105	0.0120	0.0062	0.0144	0.0534
%RSD		0.36	18.6255	108.2877	30.7724	15.1089	29.9429	12.0036	42.5735	17.9663

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:15	0.0411	0.0286	0.1525	1.0024	0.0052	0.5952	0.5776	0.5825	107.90%
2	11:55:53	0.0477	0.0448	0.2081	0.5895	0.2567	0.3472	0.3394	0.3443	110.16%
3	11:56:30	0.0084	0.0088	0.2688	0.7460	0.1813	0.2293	0.2396	0.2397	109.31%
x		0.0324	0.0274	0.2098	0.7793	0.1477	0.3906	0.3855	0.3888	109.12%
σ		0.0211	0.0180	0.0581	0.2084	0.1290	0.1867	0.1737	0.1756	1.14%
%RSD		65.0674	65.8126	27.7150	26.7484	87.3434	47.8131	45.0508	45.1690	1.05

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:55:15	0.0082	0.0026	0.0071	108.46%	104.89%	0.0082	0.0084	0.0086
2	11:55:53	0.0091	0.0053	0.0070	110.88%	106.11%	0.0096	0.0126	0.0092
3	11:56:30	0.0111	0.0072	0.0083	112.01%	106.82%	0.0141	0.0111	0.0120
x		0.0095	0.0050	0.0075	110.45%	105.94%	0.0106	0.0107	0.0099
σ		0.0015	0.0023	0.0007	1.81%	0.97%	0.0031	0.0021	0.0018
%RSD		15.4005	45.2143	9.8298	1.64	0.92	29.1888	20.0860	18.2735

K8882-02 1/20 10/23/2006 11:57:56 AM

User Pre-dilution: 1.000

10/23/06 see qualifiers

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:56	88.90%	TM 71.8750	5.7024	8.4024	7.5501	TM 513.4427	TM 509.1080	19.0213	20.0810
2	11:58:32	87.99%	TM 73.0452	5.7658	8.5685	7.6592	TM 525.6104	TM 519.7868	19.3742	20.6082
3	11:59:09	88.02%	TM 72.7612	5.7120	8.6035	7.5736	TM 524.7120	TM 520.9898	19.3860	20.7139
x		88.30%	TM 72.5605	5.7267	8.5248	7.5943	TM 521.2550	TM 516.6282	19.2605	20.4677
σ		0.51%	TM 0.6104	0.0342	0.1075	0.0574	TM 6.7805	TM 6.5404	0.2072	0.3390
%RSD		0.58	TM 0.8412	0.5972	1.2604	0.7555	TM 1.3008	TM 1.2660	1.0759	1.6564

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:56	18.0471	1.0391	0.8568	-0.7983	0.4546	0.5545	0.5824	0.5828	101.72%
2	11:58:32	18.2247	1.1115	0.7717	-0.4281	0.6124	0.5490	0.5695	0.5644	103.64%
3	11:59:09	18.2837	1.1110	0.7303	-0.4119	0.5120	0.5447	0.5758	0.5525	101.58%
x		18.1851	1.0872	0.7862	-0.5461	0.5263	0.5494	0.5759	0.5666	102.31%
σ		0.1232	0.0417	0.0645	0.2186	0.0799	0.0049	0.0065	0.0153	1.15%
%RSD		0.6773	3.8328	8.2037	40.0201	15.1799	0.8891	1.1221	2.6967	1.13

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	11:57:56	0.0230	0.1162	0.0777	103.22%	103.89%	0.6391	0.6960	0.6687
2	11:58:32	0.0244	0.1254	0.0773	104.73%	105.56%	0.6287	0.6985	0.6602
3	11:59:09	0.0280	0.1267	0.0727	104.81%	106.14%	0.6316	0.6980	0.6669
x		0.0251	0.1228	0.0759	104.25%	105.20%	0.6331	0.6975	0.6653
σ		0.0026	0.0057	0.0028	0.89%	1.16%	0.0054	0.0013	0.0045
%RSD		10.2547	4.6374	3.6958	0.86	1.11	0.8489	0.1901	0.6731

K8882-03 1/20 10/23/2006 12:00:37 PM

User Pre-dilution: 1.000

10/27/06

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:37	88.94%	TM 71.8208	5.3775	8.5765	7.2149	TM 487.1947	TM 486.1305	18.6534	19.5936
2	12:01:15	87.86%	TM 71.5367	5.3000	8.6863	7.1368	TM 479.5617	TM 481.0715	18.5417	19.4683
3	12:01:52	88.88%	TM 70.8077	5.3068	8.0888	7.1914	TM 485.8790	TM 484.8911	18.5568	19.5313
x		88.56%	TM 71.3884	5.3281	8.4505	7.1810	TM 484.2118	TM 484.0310	18.5840	19.5311
σ		0.61%	TM 0.5226	0.0429	0.3180	0.0400	TM 4.0805	TM 2.6369	0.0606	0.0626
%RSD		0.69	TM 0.7320	0.8055	3.7632	0.5574	TM 0.8427	TM 0.5448	0.3261	0.3207

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:37	17.6972	1.1847	0.6458	-0.9378	0.6782	0.5985	0.6076	0.6054	102.79%
2	12:01:15	17.6331	1.1159	0.7816	-0.5505	0.5750	0.6041	0.6012	0.6104	102.08%
3	12:01:52	17.5054	1.1282	0.6157	-0.6140	0.4292	0.6024	0.6210	0.6050	102.16%
x		17.6119	1.1429	0.6810	-0.7008	0.5608	0.6016	0.6099	0.6070	102.34%
σ		0.0977	0.0367	0.0884	0.2077	0.1251	0.0029	0.0101	0.0030	0.39%
%RSD		0.5545	3.2099	12.9755	29.6428	22.3097	0.4765	1.6590	0.4987	0.38

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:00:37	0.0289	0.1174	0.0735	102.61%	103.83%	0.6480	0.7003	0.6888
2	12:01:15	0.0274	0.1037	0.0747	104.20%	105.17%	0.6441	0.6940	0.6916
3	12:01:52	0.0277	0.1164	0.0705	105.88%	106.48%	0.6529	0.7101	0.6918
x		0.0280	0.1125	0.0729	104.23%	105.16%	0.6484	0.7015	0.6907
σ		0.0008	0.0077	0.0022	1.64%	1.33%	0.0044	0.0081	0.0017
%RSD		2.8685	6.8177	3.0089	1.57	1.26	0.6813	1.1614	0.2430

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:20	88.32%	M 36.1295	4.0292	6.1150	5.3744	10.0668	10.2050	17.0998	16.8961
2	12:03:57	88.05%	M 36.5685	3.9685	6.0961	5.4443	9.9642	10.1839	17.0963	17.0742
3	12:04:33	88.69%	M 36.4639	3.9682	6.2641	5.3038	9.8474	10.0333	17.1697	16.9646
x		88.35%	M 36.3873	3.9886	6.1584	5.3742	9.9595	10.1408	17.1219	16.9783
σ		0.32%	M 0.2293	0.0352	0.0920	0.0702	0.1098	0.0937	0.0414	0.0898
%RSD		0.36	M 0.6302	0.8814	1.4942	1.3068	1.1021	0.9236	0.2416	0.5291

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:20	16.2329	2.5360	0.3491	-1.1453	0.1120	0.2119	0.2179	0.2088	102.02%
2	12:03:57	16.3549	2.4722	0.4044	-0.9820	0.0843	0.2046	0.2362	0.2157	103.27%
3	12:04:33	15.9988	2.4827	0.4608	-1.0437	0.2285	0.2143	0.1990	0.2093	104.14%
x		16.1956	2.4969	0.4048	-1.0570	0.1416	0.2103	0.2177	0.2113	103.14%
σ		0.1810	0.0342	0.0559	0.0825	0.0765	0.0051	0.0186	0.0038	1.07%
%RSD		1.1174	1.3704	13.7968	7.8008	54.0412	2.4063	8.5477	1.8098	1.03

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:03:20	0.0242	0.0938	0.0640	103.00%	105.95%	0.6902	0.7474	0.7166
2	12:03:57	0.0178	0.0908	0.0584	105.47%	106.87%	0.7053	0.7355	0.7306
3	12:04:33	0.0199	0.0988	0.0596	105.78%	107.26%	0.7104	0.7394	0.7323
x		0.0207	0.0945	0.0607	104.75%	106.69%	0.7020	0.7408	0.7265
σ		0.0033	0.0040	0.0029	1.52%	0.67%	0.0105	0.0061	0.0086
%RSD		15.8078	4.2355	4.8367	1.45	0.63	1.4934	0.8203	1.1883

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:03	92.28%	м35.7373	5.4841	18.3659	6.4664	5.6691	5.9307	16.5548	16.6435
2	12:06:40	93.54%	м35.3853	5.5281	17.4075	6.5354	5.6123	5.8615	16.5506	16.5663
3	12:07:16	98.12%	м35.3524	5.4192	18.4848	6.6595	5.7070	6.0383	16.5861	17.0303
x		94.65%	м35.4917	5.4771	18.0861	6.5538	5.6628	5.9435	16.5639	16.7467
σ		3.07%	м0.2134	0.0548	0.5906	0.0978	0.0476	0.0891	0.0194	0.2486
%RSD		3.25	м0.6011	1.0008	3.2657	1.4930	0.8414	1.4989	0.1171	1.4848

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:03	15.7988	1.0353	0.6158	-0.0763	-0.0571	0.0887	0.1051	0.0975	107.78%
2	12:06:40	15.6287	1.0903	0.4632	-0.2340	0.0007	0.0878	0.1028	0.0967	108.69%
3	12:07:16	15.7265	0.9971	0.7031	-0.5468	-0.1900	0.0965	0.1097	0.0988	112.82%
x		15.7180	1.0409	0.5940	-0.2857	-0.0821	0.0910	0.1058	0.0977	109.76%
σ		0.0853	0.0469	0.1214	0.2394	0.0978	0.0048	0.0035	0.0011	2.69%
%RSD		0.5429	4.5056	20.4366	83.8021	119.0550	5.2307	3.2912	1.0813	2.45

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:06:03	0.0354	0.1168	0.0755	107.42%	105.31%	0.7303	0.8002	0.7797
2	12:06:40	0.0310	0.1124	0.0740	109.50%	106.46%	0.7380	0.7996	0.7705
3	12:07:16	0.0310	0.1034	0.0720	112.93%	109.63%	0.7440	0.7787	0.7637
x		0.0325	0.1109	0.0738	109.95%	107.13%	0.7374	0.7928	0.7713
σ		0.0026	0.0068	0.0017	2.78%	2.24%	0.0069	0.0122	0.0080
%RSD		7.9148	6.1601	2.3416	2.53	2.09	0.9351	1.5444	1.0427

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:46	98.70%	м25.4668	3.4403	14.8372	4.1300	5.3492	5.5588	14.8342	14.8885
2	12:09:23	98.58%	м25.8424	3.5093	14.1761	4.1899	5.3804	5.5701	14.9967	15.2198
3	12:09:59	99.92%	м25.8643	3.4968	13.5171	4.1851	5.4034	5.6074	14.8493	14.8429
x		99.07%	м25.7245	3.4821	14.1768	4.1683	5.3777	5.5787	14.8934	14.9837
σ		0.74%	м0.2234	0.0368	0.6600	0.0333	0.0272	0.0255	0.0898	0.2057
%RSD		0.75	м0.8686	1.0558	4.6557	0.7987	0.5054	0.4565	0.6027	1.3728

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:46	14.2775	1.3826	0.6084	-0.3624	-0.0470	0.0975	0.0981	0.0884	110.23%
2	12:09:23	14.4134	1.4891	0.4921	-0.2193	0.0358	0.0969	0.1032	0.0805	112.66%
3	12:09:59	14.3895	1.3735	0.5579	-0.5703	-0.2343	0.0895	0.0806	0.0918	113.03%
x		14.3601	1.4151	0.5528	-0.3840	-0.0818	0.0947	0.0939	0.0869	111.97%
σ		0.0726	0.0643	0.0583	0.1765	0.1384	0.0044	0.0118	0.0058	1.52%
%RSD		0.5052	4.5434	10.5487	45.9540	169.1119	4.7005	12.5718	6.6709	1.36

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:08:46	0.0328	0.0885	0.0663	111.38%	106.67%	0.6086	0.6800	0.6552
2	12:09:23	0.0286	0.1058	0.0642	112.22%	107.89%	0.6212	0.6729	0.6530
3	12:09:59	0.0268	0.0868	0.0648	113.99%	110.22%	0.6012	0.6689	0.6532
x		0.0294	0.0937	0.0651	112.53%	108.26%	0.6103	0.6739	0.6538
σ		0.0031	0.0105	0.0011	1.34%	1.81%	0.0101	0.0056	0.0012
%RSD		10.4175	11.2224	1.6437	1.19	1.67	1.6624	0.8338	0.1841

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:11:29	95.40%	22.8386	3.4444	11.3188	4.0539	9.8340	9.7847	12.6802	12.6299
2	12:12:07	98.34%	22.7576	3.3710	10.8197	4.0313	9.5564	9.6990	12.5380	12.5779
3	12:12:44	93.65%	23.5412	3.5239	11.1682	4.1322	9.8286	10.0831	13.0833	12.8921
x		95.79%	23.0458	3.4464	11.1023	4.0725	9.7397	9.8556	12.7671	12.7000
σ		2.37%	0.4309	0.0765	0.2560	0.0529	0.1588	0.2017	0.2829	0.1684
%RSD		2.47	1.8698	2.2195	2.3058	1.2991	1.6300	2.0461	2.2155	1.3260

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:11:29	12.0181	1.4369	0.6246	-0.2835	0.0698	1.5684	1.5996	1.5704	107.46%
2	12:12:07	11.8081	1.4772	0.4640	-0.2633	0.1694	1.5630	1.5931	1.5551	111.78%
3	12:12:44	12.3619	1.5210	0.4807	-0.3139	0.2356	1.6044	1.6930	1.6761	109.84%
x		12.0627	1.4784	0.5231	-0.2869	0.1583	1.5786	1.6286	1.6005	109.70%
σ		0.2796	0.0420	0.0883	0.0254	0.0834	0.0225	0.0559	0.0659	2.16%
%RSD		2.3176	2.8422	16.8833	8.8643	52.7144	1.4277	3.4325	4.1184	1.97

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:11:29	0.0698	0.1384	0.0981	109.35%	107.84%	0.7269	0.7928	0.7683
2	12:12:07	0.0548	0.1324	0.1040	112.84%	109.86%	0.7313	0.8117	0.7747
3	12:12:44	0.0635	0.1426	0.1052	110.49%	107.29%	0.7532	0.8340	0.8016
x		0.0627	0.1378	0.1024	110.89%	108.33%	0.7371	0.8128	0.7815
σ		0.0076	0.0051	0.0038	1.78%	1.36%	0.0141	0.0206	0.0176
%RSD		12.0512	3.7164	3.6860	1.60	1.25	1.9163	2.5380	2.2583

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:14	92.23%	TM 60.0436	3.2640	5.2329	5.4731	M 31.3576	M 31.3306	16.6955	17.2128
2	12:14:51	92.40%	TM 59.0646	3.2246	5.2997	5.4850	M 31.7943	M 31.7121	16.9497	18.1030
3	12:15:29	91.81%	TM 59.5130	3.2320	4.6170	5.3642	M 31.2390	M 30.8432	16.8778	17.6041
x		92.15%	TM 59.5404	3.2402	5.0499	5.4408	M 31.4636	M 31.2953	16.8410	17.6400
σ		0.30%	TM 0.4901	0.0209	0.3763	0.0666	M 0.2924	M 0.4355	0.1310	0.4462
%RSD		0.33	TM 0.8231	0.6459	7.4525	1.2243	M 0.9295	M 1.3917	0.7781	2.5293

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:14	16.0642	1.9215	0.4406	-1.4017	0.1440	0.2724	0.2824	0.2924	106.26%
2	12:14:51	16.2782	1.9450	0.4516	-1.3778	0.3077	0.2651	0.2877	0.2768	108.61%
3	12:15:29	16.0819	1.9841	0.3099	-1.1519	0.4241	0.2604	0.2865	0.2698	107.25%
x		16.1415	1.9502	0.4007	-1.3105	0.2919	0.2659	0.2855	0.2796	107.37%
σ		0.1188	0.0316	0.0788	0.1378	0.1407	0.0060	0.0028	0.0116	1.18%
%RSD		0.7359	1.6217	19.6745	10.5160	48.2050	2.2669	0.9774	4.1303	1.10

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:14:14	0.0584	0.1186	0.0909	108.23%	107.55%	7.0898	7.5254	7.4154
2	12:14:51	0.0597	0.1140	0.0876	108.93%	109.54%	7.0766	7.4085	7.3660
3	12:15:29	0.0527	0.1240	0.0859	109.54%	109.08%	7.1421	7.4260	7.3136
x		0.0569	0.1188	0.0881	108.90%	108.72%	7.1028	7.4533	7.3650
σ		0.0037	0.0050	0.0025	0.65%	1.04%	0.0346	0.0630	0.0509
%RSD		6.5699	4.1952	2.8721	0.60	0.96	0.4872	0.8457	0.6912

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User Pre-dilution: 1.000

10/27/06

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:00	89.44%	TM 99.6148	5.5761	8.4747	8.1234	TM 2785.4860	TM 2790.6359	M 36.3757	M 37.0346
2	12:17:37	89.79%	TM 103.6576	5.7985	9.0385	8.3145	TM 2878.4560	TM 2825.8345	M 37.4707	M 37.5189
3	12:18:15	91.09%	TM 102.4415	5.6295	8.8895	8.3193	TM 2846.3790	TM 2797.4876	M 36.7601	M 37.1252
x		90.11%	TM 101.9046	5.6680	8.8009	8.2524	TM 2836.7737	TM 2804.6527	M 36.8688	M 37.2262
σ		0.87%	TM 2.0742	0.1161	0.2922	0.1117	TM 47.2234	TM 18.6612	M 0.5555	M 0.2575
%RSD		0.96	TM 2.0354	2.0481	3.3196	1.3537	TM 1.6647	TM 0.6654	M 1.5068	M 0.6916

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:00	M 34.6719	2.1302	3.6306	1.9636	4.1117	0.1559	0.1749	0.1570	105.23%
2	12:17:37	M 35.5498	1.9888	3.4620	1.6520	3.3859	0.1528	0.1537	0.1604	107.04%
3	12:18:15	M 35.2502	2.1031	3.2840	1.7915	3.7660	0.1450	0.1629	0.1521	108.42%
x		M 35.1573	2.0740	3.4589	1.8024	3.7546	0.1512	0.1638	0.1565	106.90%
σ		M 0.4463	0.0750	0.1733	0.1561	0.3630	0.0056	0.0106	0.0042	1.60%
%RSD		M 1.2694	3.6174	5.0104	8.6606	9.6688	3.6985	6.4745	2.6847	1.50

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:17:00	0.1924	0.4929	0.3538	107.43%	107.82%	TM 179.4063	TM 192.1037	TM 188.1046
2	12:17:37	0.2257	0.4999	0.3699	108.91%	108.73%	TM 183.4036	TM 195.4980	TM 192.4106
3	12:18:15	0.2051	0.4930	0.3523	109.43%	109.08%	TM 182.5244	TM 193.4398	TM 190.4767
x		0.2077	0.4953	0.3587	108.59%	108.54%	TM 181.7781	TM 193.6805	TM 190.3306
σ		0.0168	0.0040	0.0098	1.04%	0.65%	TM 2.1006	TM 1.7099	TM 2.1567
%RSD		8.0729	0.8119	2.7239	0.95	0.60	TM 1.1556	TM 0.8829	TM 1.1331

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User Pre-dilution: 1.000

10/27/06

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:19:44	89.32%	TM 87.5210	4.6537	7.0194	6.9699	TM 1434.2436	TM 1419.3051	24.2449	M 25.4040
2	12:20:21	88.25%	TM 88.7216	4.6534	6.5524	6.9535	TM 1423.7836	TM 1427.7531	24.6087	M 25.5578
3	12:20:58	89.19%	TM 87.1189	4.6575	6.7727	6.9175	TM 1426.7426	TM 1426.1598	24.7657	M 25.2758
x		88.92%	TM 87.7872	4.6549	6.7815	6.9470	TM 1428.2566	TM 1424.4060	24.5398	M 25.4125
σ		0.59%	TM 0.8338	0.0023	0.2336	0.0268	TM 5.3918	TM 4.4888	0.2671	M 0.1412
%RSD		0.66	TM 0.9499	0.0495	3.4452	0.3861	TM 0.3775	TM 0.3151	1.0886	M 0.5556

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:19:44	23.0130	0.6719	1.1731	-0.3634	0.9973	0.0289	0.0312	0.0322	107.07%
2	12:20:21	23.4210	0.6637	0.9869	-0.2342	0.8378	0.0360	0.0369	0.0322	106.53%
3	12:20:58	23.3046	0.6379	0.9663	-0.0356	0.7340	0.0280	0.0365	0.0402	106.02%
x		23.2462	0.6578	1.0421	-0.2111	0.8564	0.0309	0.0349	0.0349	106.54%
σ		0.2102	0.0177	0.1139	0.1651	0.1326	0.0044	0.0032	0.0046	0.53%
%RSD		0.9041	2.6952	10.9321	78.2258	15.4846	14.2638	9.1199	13.2453	0.49

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:19:44	0.1018	0.1815	0.1538	108.97%	106.52%	6.4530	6.9251	6.7253
2	12:20:21	0.0998	0.1912	0.1552	108.22%	107.30%	6.4016	6.8687	6.7654
3	12:20:58	0.1118	0.1854	0.1470	108.78%	108.38%	6.3420	6.8165	6.6434
x		0.1044	0.1860	0.1520	108.66%	107.40%	6.3988	6.8701	6.7113
σ		0.0064	0.0049	0.0044	0.39%	0.94%	0.0555	0.0543	0.0622
%RSD		6.1565	2.6328	2.8680	0.36	0.87	0.8681	0.7906	0.9264

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:26	97.21%	23.4343	3.4080	M 28.9892	3.8571	8.8560	9.0282	12.1526	12.1750
2	12:23:04	100.55%	23.0968	3.2869	M 25.9532	3.7840	8.5163	8.7013	12.0940	12.1239
3	12:23:40	97.44%	23.2489	3.3855	M 26.1962	3.7475	8.6045	8.7433	12.2244	12.4080
x		98.40%	23.2600	3.3602	M 27.0462	3.7962	8.6589	8.8242	12.1570	12.2356
σ		1.86%	0.1690	0.0644	M 1.6870	0.0558	0.1763	0.1779	0.0653	0.1515
%RSD		1.89	0.7268	1.9176	M 6.2376	1.4701	2.0357	2.0156	0.5372	1.2379

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:26	11.6594	1.7003	0.7750	0.2058	-0.0051	0.4226	0.4378	0.4067	115.22%
2	12:23:04	11.3754	1.7241	0.6098	0.3467	0.0425	0.4193	0.4289	0.4421	116.42%
3	12:23:40	11.4262	1.7013	0.6512	0.1752	-0.0062	0.4126	0.4296	0.4384	119.17%
x		11.4870	1.7085	0.6787	0.2426	0.0104	0.4182	0.4321	0.4290	116.94%
σ		0.1514	0.0135	0.0860	0.0914	0.0278	0.0051	0.0050	0.0195	2.03%
%RSD		1.3183	0.7876	12.6680	37.6946	268.5414	1.2248	1.1460	4.5359	1.73

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:22:26	0.0885	0.1897	0.1407	116.15%	107.49%	0.5974	0.6280	0.6142
2	12:23:04	0.1066	0.1849	0.1421	118.43%	110.38%	0.5777	0.6117	0.6071
3	12:23:40	0.0928	0.1829	0.1415	118.78%	109.47%	0.5810	0.6173	0.6247
x		0.0960	0.1858	0.1414	117.79%	109.11%	0.5854	0.6190	0.6153
σ		0.0094	0.0035	0.0007	1.43%	1.48%	0.0106	0.0083	0.0088
%RSD		9.8456	1.8967	0.5183	1.21	1.35	1.8055	1.3338	1.4355

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:29:41	97.06%	M 26.4744	24.9983	24.9888	M 25.0067	M 25.1763	M 25.2377	M 25.0400	M 25.3877
2	12:30:18	95.05%	M 26.3963	24.9900	M 25.7497	M 25.4375	M 25.1936	M 25.0957	M 25.0031	M 25.0751
3	12:30:56	98.25%	M 26.9245	M 25.4836	M 25.7037	M 25.1928	M 25.3391	M 25.4833	M 25.3142	M 25.9092
x		96.79%	M 26.5984	M 25.1573	M 25.4807	M 25.2124	M 25.2363	M 25.2722	M 25.1191	M 25.4573
σ		1.62%	M 0.2851	M 0.2826	M 0.4267	M 0.2160	M 0.0894	M 0.1961	M 0.1700	M 0.4214
%RSD		1.67	M 1.0719	M 1.1234	M 1.6744	M 0.8569	M 0.3544	M 0.7758	M 0.6766	M 1.6552

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:29:41	24.9396	M 25.1935	M 25.4883	M 26.6127	24.7743	M 25.8059	M 25.8631	M 25.8729	108.89%
2	12:30:18	24.8701	M 25.2689	M 25.5547	M 26.7126	M 25.0380	M 26.2118	M 26.1878	M 26.2307	107.85%
3	12:30:56	M 25.3677	M 25.4609	M 25.9008	M 26.4887	M 25.9770	M 26.6552	M 26.4017	M 26.4529	109.30%
x		M 25.0592	M 25.3077	M 25.6479	M 26.6046	M 25.2631	M 26.2243	M 26.1509	M 26.1855	108.68%
σ		M 0.2695	M 0.1379	M 0.2215	M 0.1121	M 0.6322	M 0.4248	M 0.2712	M 0.2926	0.75%
%RSD		M 1.0754	M 0.5448	M 0.8635	M 0.4215	M 2.5024	M 1.6199	M 1.0370	M 1.1175	0.69

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:29:41	M 25.4232	M 25.1020	M 25.3045	106.88%	99.89%	24.2852	23.9733	24.1337
2	12:30:18	M 25.3573	M 25.1018	M 25.3810	107.61%	100.49%	24.2211	24.0237	24.2279
3	12:30:56	M 25.7227	M 25.4934	M 25.4831	107.96%	101.14%	24.9046	24.6764	24.6621
x		M 25.5010	M 25.2324	M 25.3896	107.48%	100.51%	24.4703	24.2245	24.3413
σ		M 0.1948	M 0.2260	M 0.0896	0.55%	0.62%	0.3775	0.3922	0.2819
%RSD		M 0.7637	M 0.8958	M 0.3529	0.51	0.62	1.5427	1.6189	1.1579

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:37:03	92.03%	-0.0970	-0.0136	0.9424	0.0948	0.1691	0.1860	0.0235	0.2524
2	12:37:41	92.89%	-0.0896	-0.0107	0.9062	0.0758	0.1617	0.1680	0.0429	0.2754
3	12:38:18	94.01%	-0.0913	-0.0116	1.0026	0.0907	0.1490	0.1632	0.0320	0.1888
x		92.97%	-0.0926	-0.0120	0.9504	0.0871	0.1599	0.1724	0.0328	0.2389
σ		0.99%	0.0039	0.0015	0.0487	0.0100	0.0102	0.0120	0.0097	0.0449
%RSD		1.07	4.1669	12.4899	5.1251	11.4766	6.3781	6.9748	29.5619	18.7758

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:37:03	0.0358	-0.0201	0.3385	0.5070	0.2364	0.0528	0.0422	0.0500	100.94%
2	12:37:41	0.0339	-0.0414	0.2578	0.7258	0.0426	0.0472	0.0476	0.0488	101.06%
3	12:38:18	0.0443	0.0051	0.2775	0.6796	0.2836	0.0340	0.0394	0.0366	102.24%
x		0.0380	-0.0188	0.2913	0.6375	0.1875	0.0447	0.0431	0.0452	101.42%
σ		0.0055	0.0233	0.0421	0.1153	0.1277	0.0096	0.0042	0.0074	0.72%
%RSD		14.5491	123.7732	14.4510	18.0860	68.0862	21.5711	9.6989	16.4553	0.71

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:37:03	0.0080	0.0008	0.0044	99.45%	94.13%	0.0044	0.0087	0.0089
2	12:37:41	0.0059	0.0013	0.0031	101.80%	97.15%	0.0055	0.0065	0.0060
3	12:38:18	0.0049	0.0032	0.0035	102.67%	97.45%	0.0082	0.0076	0.0044
x		0.0063	0.0018	0.0037	101.31%	96.24%	0.0060	0.0076	0.0064
σ		0.0016	0.0013	0.0007	1.67%	1.84%	0.0019	0.0011	0.0023
%RSD		25.4936	71.4735	18.4537	1.65	1.91	32.3193	14.7887	35.4166

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:42:01	86.18%	TM 63.2514	9.3593	13.1418	11.5575	M 30.7881	M 31.1881	M 27.0746	M 26.4280
2	12:42:37	88.88%	TM 62.7589	9.3500	12.3963	11.3201	M 30.5158	M 30.9795	M 26.5991	M 26.5782
3	12:43:14	87.30%	TM 62.8366	9.3344	12.3302	11.5633	M 30.6607	M 30.6767	M 26.6907	M 26.3842
x		87.45%	TM 62.9490	9.3479	12.6228	11.4803	M 30.6549	M 30.9481	M 26.7882	M 26.4635
σ		1.35%	TM 0.2648	0.0126	0.4507	0.1388	M 0.1363	M 0.2572	M 0.2523	M 0.1018
%RSD		1.55	TM 0.4206	0.1346	3.5708	1.2087	M 0.4446	M 0.8310	M 0.9418	M 0.3845

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:42:01	M 25.3790	3.2310	0.6933	-1.4171	-0.1085	1.3859	1.4098	1.4330	90.14%
2	12:42:37	M 25.1624	3.1865	0.6288	-1.4376	0.0009	1.4321	1.4402	1.4566	93.24%
3	12:43:14	M 25.1196	3.1349	0.6859	-1.5147	0.0827	1.3884	1.4652	1.4508	93.47%
x		M 25.2203	3.1841	0.6693	-1.4565	-0.0083	1.4021	1.4384	1.4468	92.28%
σ		M 0.1391	0.0481	0.0353	0.0515	0.0959	0.0260	0.0278	0.0123	1.86%
%RSD		M 0.5515	1.5104	5.2796	3.5358	1155.9345	1.8519	1.9296	0.8522	2.02

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:42:01	0.0388	0.1241	0.0825	92.85%	94.01%	2.2572	2.5442	2.4449
2	12:42:37	0.0462	0.1273	0.0803	95.83%	96.58%	2.2514	2.5037	2.4225
3	12:43:14	0.0476	0.1301	0.0906	94.51%	96.44%	2.1868	2.4865	2.3888
x		0.0442	0.1272	0.0845	94.40%	95.67%	2.2318	2.5115	2.4187
σ		0.0047	0.0030	0.0054	1.49%	1.44%	0.0391	0.0296	0.0282
%RSD		10.7316	2.3517	6.3799	1.58	1.51	1.7521	1.1798	1.1675

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:43	94.15%	M 28.8620	4.1577	M 29.0255	4.7061	6.7426	7.0091	13.2139	13.7827
2	12:45:21	98.17%	M 28.4598	4.1226	M 28.3984	4.8719	6.6498	6.9312	13.0682	13.3070
3	12:45:57	97.99%	M 28.6842	4.0001	M 28.1711	4.7973	6.7602	6.9488	13.1532	13.6105
x		96.77%	M 28.6687	4.0935	M 28.5317	4.7918	6.7176	6.9630	13.1451	13.5667
σ		2.27%	M 0.2015	0.0828	M 0.4425	0.0830	0.0593	0.0408	0.0732	0.2408
%RSD		2.35	M 0.7030	2.0218	M 1.5510	1.7328	0.8828	0.5863	0.5569	1.7753

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:43	12.7485	1.1746	0.8525	0.2142	0.1480	0.1829	0.2145	0.1821	101.12%
2	12:45:21	12.5480	1.1926	0.8380	0.1554	0.0692	0.1649	0.1640	0.1592	104.95%
3	12:45:57	12.6075	1.1874	0.7769	0.4223	-0.0615	0.1534	0.1504	0.1503	104.19%
x		12.6347	1.1849	0.8224	0.2640	0.0519	0.1671	0.1763	0.1639	103.42%
σ		0.1030	0.0093	0.0401	0.1403	0.1058	0.0149	0.0337	0.0164	2.03%
%RSD		0.8149	0.7844	4.8779	53.1295	203.8409	8.9016	19.1317	10.0367	1.96

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:44:43	0.0503	0.1467	0.0963	101.31%	95.10%	0.5111	0.5627	0.5473
2	12:45:21	0.0481	0.1427	0.0918	104.02%	97.45%	0.5197	0.5616	0.5410
3	12:45:57	0.0527	0.1412	0.0970	105.09%	99.30%	0.5062	0.5646	0.5468
x		0.0504	0.1435	0.0951	103.47%	97.29%	0.5123	0.5630	0.5450
σ		0.0023	0.0028	0.0028	1.95%	2.10%	0.0068	0.0015	0.0035
%RSD		4.6311	1.9656	2.9425	1.88	2.16	1.3358	0.2731	0.6406

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:47:25	97.54%	M 42.2204	3.9486	M 37.5581	4.7090	M 58.6426	M 58.1709	15.0350	15.7379
2	12:48:03	101.18%	M 41.7551	3.9588	M 37.5291	4.7143	M 58.3133	M 57.7687	14.8073	15.6153
3	12:48:40	100.55%	TM 43.2745	3.9133	M 36.7358	4.7594	M 58.1674	M 57.2345	14.8022	15.5441
x		99.76%	TM 42.4167	3.9402	M 37.2743	4.7276	M 58.3744	M 57.7247	14.8815	15.6324
σ		1.95%	TM 0.7785	0.0239	M 0.4666	0.0277	M 0.2434	M 0.4697	0.1330	0.0980
%RSD		1.95	TM 1.8353	0.6054	M 1.2518	0.5863	M 0.4170	M 0.8137	0.8934	0.6270

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:47:25	14.3579	1.4297	0.9246	0.6904	0.1414	0.1449	0.1381	0.1463	106.05%
2	12:48:03	14.2507	1.5225	0.9354	0.3867	0.3783	0.1313	0.1610	0.1459	109.66%
3	12:48:40	14.1606	1.4759	0.9857	0.3303	0.2072	0.1502	0.1491	0.1529	108.10%
x		14.2564	1.4760	0.9485	0.4691	0.2423	0.1421	0.1494	0.1484	107.94%
σ		0.0988	0.0464	0.0326	0.1937	0.1223	0.0098	0.0115	0.0039	1.81%
%RSD		0.6929	3.1425	3.4366	41.2833	50.4765	6.8637	7.6813	2.6543	1.67

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:47:25	0.0589	0.1560	0.1016	105.62%	96.10%	0.8755	0.9431	0.9325
2	12:48:03	0.0624	0.1418	0.1032	108.32%	99.66%	0.8507	0.9265	0.9184
3	12:48:40	0.0654	0.1538	0.1099	109.61%	100.27%	0.8478	0.9443	0.9259
x		0.0622	0.1505	0.1049	107.85%	98.68%	0.8580	0.9380	0.9256
σ		0.0033	0.0076	0.0044	2.04%	2.25%	0.0152	0.0100	0.0071
%RSD		5.2877	5.0719	4.1954	1.89	2.28	1.7719	1.0612	0.7642

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:09	97.27%	M 45.1325	4.0474	M 28.9533	5.0149	TM 98.3225	M 96.1383	14.3327	15.0169
2	12:50:46	99.83%	M 45.0095	3.9399	M 25.2929	4.9210	TM 98.1560	M 95.3668	14.3221	15.3996
3	12:51:23	98.84%	M 44.4359	3.7856	23.7255	4.8263	TM 96.9324	M 94.0408	14.2229	14.8975
x		98.64%	M 44.8593	3.9243	M 25.9905	4.9207	TM 97.8036	M 95.1820	14.2926	15.1047
σ		1.29%	M 0.3718	0.1316	M 2.6828	0.0943	TM 0.7591	M 1.0609	0.0606	0.2623
%RSD		1.31	M 0.8288	3.3537	M 10.3224	1.9169	TM 0.7762	M 1.1146	0.4239	1.7368

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:09	14.0132	1.6281	1.1049	0.5634	0.0665	0.2234	0.2217	0.2116	106.11%
2	12:50:46	13.7640	1.6653	0.9186	0.4157	0.0953	0.2319	0.2476	0.2423	107.21%
3	12:51:23	13.8700	1.7838	0.7881	0.4787	0.2460	0.2243	0.2208	0.2270	108.04%
x		13.8824	1.6924	0.9372	0.4859	0.1359	0.2265	0.2300	0.2270	107.12%
σ		0.1251	0.0813	0.1592	0.0741	0.0964	0.0047	0.0152	0.0154	0.97%
%RSD		0.9008	4.8040	16.9871	15.2487	70.9280	2.0621	6.6151	6.7639	0.90

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:50:09	0.0475	0.1492	0.0986	105.05%	97.40%	0.7978	0.8904	0.8523
2	12:50:46	0.0497	0.1470	0.0961	107.78%	99.86%	0.8032	0.8756	0.8513
3	12:51:23	0.0502	0.1419	0.1006	108.78%	100.55%	0.7881	0.8613	0.8575
x		0.0491	0.1460	0.0984	107.20%	99.27%	0.7963	0.8758	0.8537
σ		0.0014	0.0038	0.0023	1.93%	1.65%	0.0076	0.0145	0.0033
%RSD		2.8773	2.5738	2.2890	1.80	1.67	0.9595	1.6596	0.3900

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:52	95.35%	M 37.7354	4.9444	12.3923	6.4187	M 70.7571	M 70.4418	16.5329	16.2134
2	12:53:29	96.11%	M 37.8633	4.9473	12.6559	6.3333	M 70.1467	M 69.7550	16.2709	16.1758
3	12:54:07	95.79%	M 37.9565	4.9124	12.6976	6.3746	M 70.9478	M 70.2737	16.2815	16.7098
x		95.75%	M 37.8517	4.9347	12.5819	6.3756	M 70.6172	M 70.1568	16.3618	16.3663
σ		0.38%	M 0.1110	0.0193	0.1655	0.0427	M 0.4185	M 0.3580	0.1483	0.2981
%RSD		0.40	M 0.2933	0.3921	1.3156	0.6699	M 0.5926	M 0.5103	0.9064	1.8212

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:52	15.4173	1.3826	0.6788	-0.0482	0.3307	0.6014	0.6131	0.5966	102.90%
2	12:53:29	15.2627	1.3034	0.6876	-0.4806	0.1211	0.5959	0.6200	0.6143	102.52%
3	12:54:07	15.5230	1.2705	0.7426	-0.2988	0.2243	0.6034	0.5803	0.6306	105.17%
x		15.4010	1.3188	0.7030	-0.2758	0.2254	0.6003	0.6045	0.6138	103.53%
σ		0.1309	0.0576	0.0346	0.2171	0.1048	0.0039	0.0212	0.0170	1.43%
%RSD		0.8499	4.3707	4.9192	78.7119	46.4898	0.6514	3.5083	2.7715	1.38

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:52:52	0.1240	0.2177	0.1650	101.28%	96.59%	0.6818	0.7339	0.7194
2	12:53:29	0.1085	0.2107	0.1600	104.58%	99.61%	0.6746	0.7150	0.7004
3	12:54:07	0.1068	0.2224	0.1715	103.00%	100.26%	0.6803	0.7368	0.7104
x		0.1131	0.2169	0.1655	102.95%	98.82%	0.6789	0.7286	0.7101
σ		0.0095	0.0059	0.0058	1.65%	1.96%	0.0038	0.0118	0.0095
%RSD		8.3912	2.7220	3.4849	1.61	1.98	0.5608	1.6223	1.3368

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:55:36	89.86%	M 41.2706	7.4317	14.8161	8.4353	22.2538	22.1891	18.8054	18.5970
2	12:56:13	91.46%	M 41.0517	7.3479	14.1147	8.3870	22.3074	22.5052	18.8724	18.8137
3	12:56:49	92.70%	M 40.7002	7.3053	13.8627	8.2385	22.0617	22.2101	18.5908	18.2806
x		91.34%	M 41.0075	7.3616	14.2645	8.3536	22.2077	22.3015	18.7562	18.5638
σ		1.42%	M 0.2877	0.0643	0.4940	0.1025	0.1292	0.1768	0.1471	0.2681
%RSD		1.56	M 0.7016	0.8733	3.4633	1.2275	0.5818	0.7926	0.7843	1.4440

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:55:36	18.0092	2.2923	0.7456	-0.3621	0.1975	0.9546	0.9706	0.9583	97.81%
2	12:56:13	17.9804	2.3007	0.7282	-0.2752	0.2337	0.9453	0.9548	0.9761	102.01%
3	12:56:49	17.6621	2.2766	0.6721	-0.5874	0.1444	0.9752	0.9920	0.9939	99.21%
x		17.8839	2.2899	0.7153	-0.4082	0.1919	0.9584	0.9724	0.9761	99.68%
σ		0.1926	0.0122	0.0384	0.1612	0.0449	0.0153	0.0187	0.0178	2.14%
%RSD		1.0770	0.5349	5.3745	39.4764	23.4123	1.5957	1.9191	1.8277	2.15

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:55:36	0.2432	0.3119	0.2726	98.57%	95.03%	0.5144	0.5537	0.5188
2	12:56:13	0.2290	0.3109	0.2653	101.49%	99.21%	0.4957	0.4989	0.5115
3	12:56:49	0.2287	0.3033	0.2758	101.27%	99.32%	0.5040	0.5148	0.5174
x		0.2336	0.3087	0.2712	100.44%	97.85%	0.5047	0.5225	0.5159
σ		0.0083	0.0047	0.0054	1.63%	2.45%	0.0093	0.0282	0.0039
%RSD		3.5441	1.5243	1.9863	1.62	2.50	1.8503	5.3997	0.7484

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User Pre-dilution: 1.000

10/23/06

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:58:21	88.30%	TM 137.8470	6.6422	13.2058	9.1528	TM 525.1471	TM 524.8086	22.6551	M 25.1247
2	12:58:57	86.86%	TM 135.8502	6.3450	12.8681	8.9911	TM 516.6820	TM 516.8266	22.2544	24.7223
3	12:59:34	84.68%	TM 137.0723	6.3717	12.3789	9.1643	TM 519.8523	TM 517.8529	22.4068	24.4848
x		86.61%	TM 136.9231	6.4530	12.8176	9.1027	TM 520.5605	TM 519.8294	22.4388	M 24.7773
σ		1.82%	TM 1.0067	0.1644	0.4158	0.0969	TM 4.2767	TM 4.3426	0.2022	M 0.3234
%RSD		2.10	TM 0.7352	2.5474	3.2437	1.0640	TM 0.8216	TM 0.8354	0.9013	M 1.3054

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:58:21	21.5579	1.0791	1.0319	-0.8017	0.7510	0.1512	0.1605	0.1560	96.87%
2	12:58:57	21.3187	1.0261	0.9121	-0.6161	0.6460	0.1417	0.1607	0.1578	97.58%
3	12:59:34	21.3981	0.9542	1.0667	-0.5554	0.3593	0.1426	0.1545	0.1478	98.35%
x		21.4249	1.0198	1.0036	-0.6578	0.5854	0.1451	0.1586	0.1539	97.60%
σ		0.1218	0.0627	0.0811	0.1283	0.2027	0.0052	0.0035	0.0053	0.74%
%RSD		0.5686	6.1472	8.0840	19.5088	34.6284	3.6047	2.2273	3.4515	0.76

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	12:58:21	0.0334	0.0851	0.0531	98.76%	96.84%	0.6522	0.7064	0.6826
2	12:58:57	0.0286	0.0805	0.0556	99.57%	98.09%	0.6314	0.7059	0.6850
3	12:59:34	0.0280	0.0897	0.0596	99.12%	98.42%	0.6398	0.6979	0.6774
x		0.0300	0.0851	0.0561	99.15%	97.78%	0.6411	0.7034	0.6817
σ		0.0030	0.0046	0.0033	0.41%	0.83%	0.0105	0.0048	0.0039
%RSD		9.9887	5.4151	5.8432	0.41	0.85	1.6366	0.6790	0.5703

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:01:06	92.94%	9.3020	0.7817	2.0515	1.0854	M 73.3564	M 72.2890	2.6502	2.9988
2	13:01:42	94.90%	9.2562	0.7689	2.0796	1.0767	M 73.1872	M 72.6125	2.6913	3.0234
3	13:02:19	94.79%	9.1483	0.7551	1.7508	1.0685	M 71.2509	M 70.3916	2.6097	2.8738
x		94.21%	9.2355	0.7686	1.9606	1.0769	M 72.5982	M 71.7644	2.6504	2.9654
σ		1.10%	0.0789	0.0133	0.1822	0.0085	M 1.1698	M 1.1998	0.0408	0.0802
%RSD		1.17	0.8544	1.7311	9.2948	0.7876	M 1.6113	M 1.6718	1.5388	2.7052

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:01:06	2.5787	0.1111	0.3476	0.3975	0.1296	0.0584	0.0621	0.0529	104.70%
2	13:01:42	2.6249	0.1091	0.3753	0.8260	0.1814	0.0590	0.0468	0.0478	105.39%
3	13:02:19	2.4862	0.1260	0.3217	0.5955	0.2670	0.0495	0.0447	0.0548	105.79%
x		2.5633	0.1154	0.3482	0.6063	0.1927	0.0556	0.0512	0.0518	105.29%
σ		0.0706	0.0092	0.0268	0.2145	0.0694	0.0053	0.0095	0.0036	0.55%
%RSD		2.7557	8.0146	7.7031	35.3719	36.0184	9.5154	18.5484	6.9106	0.52

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:01:06	0.0032	0.0247	0.0122	104.43%	99.61%	0.0954	0.1073	0.1071
2	13:01:42	0.0031	0.0214	0.0118	105.18%	100.41%	0.0938	0.1033	0.1053
3	13:02:19	0.0042	0.0179	0.0133	106.64%	101.57%	0.1049	0.1102	0.1043
x		0.0035	0.0213	0.0124	105.42%	100.53%	0.0980	0.1069	0.1056
σ		0.0006	0.0034	0.0008	1.13%	0.98%	0.0060	0.0035	0.0014
%RSD		18.1099	15.8767	6.3063	1.07	0.98	6.1534	3.2361	1.3735

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:51	91.02%	9.4256	0.7515	2.1260	1.0420	M 70.1504	M 69.6926	2.6587	3.1200
2	13:04:28	94.11%	9.4040	0.7171	1.7739	1.0782	M 69.6758	M 68.7145	2.5538	3.1238
3	13:05:05	93.48%	9.2074	0.7249	1.9292	1.0113	M 68.4217	M 67.2393	2.5580	2.8824
x		92.87%	9.3456	0.7311	1.9431	1.0438	M 69.4160	M 68.5488	2.5902	3.0421
σ		1.63%	0.1202	0.0180	0.1765	0.0335	M 0.8932	M 1.2350	0.0594	0.1383
%RSD		1.76	1.2864	2.4662	9.0817	3.2084	M 1.2867	M 1.8017	2.2937	4.5456

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:51	2.5357	0.1367	0.3782	0.6354	0.2642	0.0575	0.0453	0.0597	103.13%
2	13:04:28	2.4996	0.1273	0.2940	0.5856	0.1941	0.0531	0.0454	0.0559	105.59%
3	13:05:05	2.4750	0.0971	0.4182	0.6310	0.1177	0.0485	0.0424	0.0519	107.21%
x		2.5034	0.1204	0.3635	0.6174	0.1920	0.0530	0.0444	0.0558	105.31%
σ		0.0305	0.0207	0.0634	0.0276	0.0733	0.0045	0.0017	0.0039	2.06%
%RSD		1.2201	17.2051	17.4382	4.4645	38.1636	8.5166	3.9184	6.9628	1.95

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:03:51	0.0017	0.0163	0.0096	103.87%	98.73%	0.1021	0.1167	0.1053
2	13:04:28	0.0031	0.0132	0.0114	106.14%	101.41%	0.0948	0.1081	0.1086
3	13:05:05	0.0039	0.0110	0.0102	106.36%	101.76%	0.0977	0.1074	0.1056
x		0.0029	0.0135	0.0104	105.45%	100.63%	0.0982	0.1107	0.1065
σ		0.0011	0.0027	0.0009	1.38%	1.66%	0.0037	0.0052	0.0019
%RSD		38.9360	19.7903	8.7327	1.30	1.65	3.7237	4.6708	1.7578

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:38	93.46%	2.4686	0.1418	1.0545	0.3000	M 81.0009	M 79.5370	1.1607	1.5501
2	13:07:14	94.19%	2.4685	0.1323	0.8800	0.2954	M 80.1549	M 79.0403	1.1455	1.4449
3	13:07:51	94.81%	2.4259	0.1232	0.9674	0.2684	M 78.6954	M 77.4718	1.1250	1.4636
x		94.15%	2.4543	0.1324	0.9673	0.2879	M 79.9504	M 78.6831	1.1437	1.4862
σ		0.67%	0.0246	0.0093	0.0873	0.0171	M 1.1663	M 1.0780	0.0179	0.0561
%RSD		0.71	1.0027	7.0355	9.0203	5.9392	M 1.4588	M 1.3700	1.5665	3.7764

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:38	1.1514	-0.0275	0.5216	1.0223	0.1813	-0.0142	-0.0167	-0.0182	105.52%
2	13:07:14	1.1497	0.0002	0.4223	0.9645	0.1769	-0.0188	-0.0126	-0.0179	107.45%
3	13:07:51	1.1105	0.0646	0.3067	0.9101	0.3916	-0.0150	-0.0188	-0.0181	107.25%
x		1.1372	0.0125	0.4169	0.9656	0.2499	-0.0160	-0.0161	-0.0181	106.74%
σ		0.0232	0.0473	0.1075	0.0561	0.1227	0.0024	0.0032	0.0001	1.06%
%RSD		2.0375	379.5219	25.7951	5.8114	49.0840	15.2511	19.6968	0.6164	1.00

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:06:38	0.0046	0.0108	0.0066	105.37%	99.20%	3.5555	3.7901	3.7423
2	13:07:14	0.0030	0.0131	0.0072	106.54%	101.38%	3.5014	3.7705	3.6760
3	13:07:51	0.0029	0.0099	0.0059	108.30%	101.74%	3.4871	3.7457	3.6771
x		0.0035	0.0113	0.0066	106.74%	100.77%	3.5146	3.7688	3.6985
σ		0.0010	0.0017	0.0007	1.48%	1.37%	0.0361	0.0223	0.0379
%RSD		27.5022	14.8054	10.2234	1.38	1.36	1.0266	0.5909	1.0256

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User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:09:19	93.07%	M 27.0484	M 25.6160	M 26.9395	M 25.4358	M 25.4655	M 25.1034	M 25.6294	M 26.2435
2	13:09:57	90.56%	M 26.5524	M 25.0706	M 26.0282	24.9366	24.8417	24.7718	M 25.5059	M 25.3822
3	13:10:33	91.23%	M 26.8919	M 25.2647	M 25.6436	M 25.3318	24.9048	24.7925	M 25.4139	M 25.8960
x		91.62%	M 26.8309	M 25.3171	M 26.2038	M 25.2347	M 25.0706	M 24.8893	M 25.5164	M 25.8406
σ		1.30%	M 0.2535	M 0.2765	M 0.6656	M 0.2634	M 0.3434	M 0.1858	M 0.1081	M 0.4333
%RSD		1.42	M 0.9449	M 1.0920	M 2.5400	M 1.0436	M 1.3698	M 0.7463	M 0.4238	M 1.6769

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:09:19	M 25.5909	M 25.5542	M 26.4783	M 27.1730	M 26.0967	M 25.7466	M 25.8240	M 26.0926	105.27%
2	13:09:57	M 25.1252	M 25.2587	M 25.9984	M 26.7270	M 25.6161	M 25.6930	M 26.0961	M 26.2530	107.69%
3	13:10:33	M 25.0971	M 25.3813	M 26.1727	M 26.1352	M 25.2548	M 26.1168	M 26.0194	M 26.4886	108.52%
x		M 25.2711	M 25.3980	M 26.2165	M 26.6784	M 25.6559	M 25.8521	M 25.9798	M 26.2781	107.16%
σ		M 0.2774	M 0.1484	M 0.2429	M 0.5206	M 0.4224	M 0.2308	M 0.1403	M 0.1992	1.69%
%RSD		M 1.0975	M 0.5845	M 0.9267	M 1.9515	M 1.6463	M 0.8927	M 0.5399	M 0.7581	1.57

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:09:19	M 25.8220	M 25.7913	M 25.7930	105.08%	98.44%	24.7925	24.3819	24.7078
2	13:09:57	M 25.3797	M 25.2629	M 25.2652	108.28%	99.83%	24.2635	24.0658	24.2446
3	13:10:33	M 25.3418	M 25.1747	M 25.5122	108.49%	101.00%	24.2910	24.2907	24.1162
x		M 25.5145	M 25.4096	M 25.5235	107.28%	99.76%	24.4490	24.2461	24.3562
σ		M 0.2670	M 0.3335	M 0.2641	1.91%	1.28%	0.2978	0.1627	0.3112
%RSD		M 1.0465	M 1.3124	M 1.0347	1.78	1.28	1.2180	0.6709	1.2777

CCB6 10/23/2006 01:25:15 PM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:15	89.94%	-0.0735	-0.0150	0.9865	0.0891	0.0778	0.0858	0.0312	0.2444
2	13:25:52	92.25%	-0.0879	-0.0058	0.8562	0.0701	0.0735	0.0763	0.0206	0.1991
3	13:26:29	93.70%	-0.0848	-0.0107	0.8685	0.0904	0.0496	0.0786	0.0302	0.2356
x		91.96%	-0.0821	-0.0105	0.9038	0.0832	0.0670	0.0802	0.0273	0.2264
σ		1.89%	0.0076	0.0046	0.0720	0.0114	0.0152	0.0050	0.0059	0.0240
%RSD		2.06	9.2470	43.8055	7.9624	13.6776	22.6792	6.2329	21.4635	10.6041

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:15	0.0767	-0.0659	0.2943	1.4116	0.0406	-0.0033	0.0015	-0.0035	104.89%
2	13:25:52	0.0514	-0.0941	0.3002	1.2680	-0.0732	-0.0007	0.0003	0.0022	107.12%
3	13:26:29	0.0529	-0.0398	0.4153	1.0094	0.2926	-0.0021	-0.0035	-0.0030	106.88%
x		0.0603	-0.0666	0.3366	1.2297	0.0866	-0.0020	-0.0006	-0.0014	106.30%
σ		0.0142	0.0272	0.0683	0.2038	0.1872	0.0013	0.0026	0.0032	1.23%
%RSD		23.5379	40.7955	20.2758	16.5759	216.0809	64.4031	475.9319	225.8971	1.15

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:25:15	0.0059	0.0018	0.0051	104.06%	97.69%	0.0064	0.0057	0.0066
2	13:25:52	0.0060	0.0018	0.0029	106.51%	100.24%	0.0065	0.0065	0.0078
3	13:26:29	0.0071	0.0039	0.0118	108.05%	99.99%	0.0047	0.0092	0.0069
x		0.0063	0.0025	0.0066	106.21%	99.31%	0.0059	0.0071	0.0071
σ		0.0007	0.0013	0.0046	2.01%	1.41%	0.0010	0.0019	0.0006
%RSD		10.2662	49.9966	69.3923	1.89	1.42	17.1646	25.9577	8.6366

K8882-13 1/20 X 1/20 10/23/2006 01:30:13 PM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:13	94.05%	4.7792	0.2801	1.6082	0.5531	TM 88.2829	M 86.4635	1.4953	1.7053
2	13:30:51	94.00%	4.7020	0.2568	1.3096	0.5217	M 87.8508	M 86.4533	1.4965	1.7038
3	13:31:29	93.76%	4.5449	0.2612	1.1281	0.4925	M 85.1451	M 83.7994	1.5389	1.7927
x		93.94%	4.6754	0.2661	1.3486	0.5224	TM 87.0929	M 85.5721	1.5103	1.7339
σ		0.15%	0.1194	0.0124	0.2424	0.0303	TM 1.7007	M 1.5352	0.0248	0.0509
%RSD		0.16	2.5536	4.6617	17.9730	5.8015	TM 1.9527	M 1.7940	1.6440	2.9339

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:13	1.4266	0.0247	0.2821	0.7304	0.2411	-0.0196	-0.0086	-0.0203	106.32%
2	13:30:51	1.4667	0.0957	0.2519	0.9880	0.4498	-0.0171	-0.0171	-0.0191	109.15%
3	13:31:29	1.4216	0.0267	0.2350	0.7785	0.2229	-0.0193	-0.0159	-0.0206	109.57%
x		1.4383	0.0490	0.2563	0.8323	0.3046	-0.0187	-0.0138	-0.0200	108.35%
σ		0.0247	0.0404	0.0238	0.1370	0.1261	0.0014	0.0046	0.0008	1.77%
%RSD		1.7197	82.4137	9.2998	16.4551	41.3848	7.4988	33.2214	3.9419	1.63

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:30:13	0.0060	0.0083	0.0076	106.93%	100.28%	0.3632	0.4032	0.3845
2	13:30:51	0.0034	0.0125	0.0067	108.84%	101.53%	0.3577	0.4011	0.3794
3	13:31:29	0.0047	0.0085	0.0074	107.70%	102.47%	0.3586	0.3747	0.3712
x		0.0047	0.0098	0.0072	107.82%	101.43%	0.3598	0.3930	0.3783
σ		0.0013	0.0024	0.0005	0.96%	1.10%	0.0029	0.0159	0.0067
%RSD		27.4402	24.1330	6.7188	0.89	1.08	0.8175	4.0413	1.7721

K8882-32 1/20 X 1/10 10/23/2006 01:32:52 PM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:52	89.63%	14.7924	0.7992	2.8386	1.2568	M 64.0314	M 63.8696	2.8895	3.2501
2	13:33:30	90.81%	14.8596	0.7773	2.2258	1.2507	M 63.1351	M 62.4398	2.8786	3.3110
3	13:34:06	90.32%	14.9488	0.8034	2.4343	1.1866	M 63.9328	M 63.0351	2.9093	3.1913
x		90.25%	14.8669	0.7933	2.4996	1.2314	M 63.6997	M 63.1149	2.8924	3.2508
σ		0.59%	0.0785	0.0140	0.3116	0.0389	M 0.4915	M 0.7182	0.0155	0.0598
%RSD		0.66	0.5279	1.7686	12.4656	3.1563	M 0.7716	M 1.1379	0.5376	1.8400

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:52	2.7783	0.0559	0.3406	0.3250	-0.0592	-0.0053	-0.0071	-0.0053	104.42%
2	13:33:30	2.7390	0.1199	0.3760	1.0348	0.3104	-0.0045	-0.0087	-0.0044	104.03%
3	13:34:06	2.7265	0.1201	0.2415	0.5950	0.2411	-0.0034	-0.0092	-0.0091	106.05%
x		2.7479	0.0986	0.3194	0.6516	0.1641	-0.0044	-0.0083	-0.0063	104.84%
σ		0.0270	0.0370	0.0697	0.3582	0.1964	0.0010	0.0011	0.0025	1.07%
%RSD		0.9843	37.5407	21.8262	54.9774	119.7017	21.7646	13.4835	39.5563	1.02

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:32:52	0.0020	0.0085	0.0050	103.94%	99.55%	0.0998	0.1049	0.1058
2	13:33:30	0.0025	0.0092	0.0069	106.19%	100.99%	0.1033	0.1041	0.1066
3	13:34:06	0.0031	0.0076	0.0093	105.15%	100.38%	0.0961	0.1127	0.1066
x		0.0025	0.0084	0.0071	105.10%	100.31%	0.0997	0.1072	0.1063
σ		0.0006	0.0008	0.0022	1.12%	0.72%	0.0036	0.0047	0.0004
%RSD		22.5321	9.0733	30.4489	1.07	0.72	3.6427	4.4088	0.3994

CCV7 MS9-89-B 10/23/2006 01:35:33 PM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:33	90.80%	M 26.4725	M 25.2318	M 27.0044	M 25.0842	24.9868	M 25.0154	M 25.1632	M 25.4141
2	13:36:10	89.22%	M 27.0267	M 25.5486	M 26.0866	M 25.4882	M 25.3963	M 25.0957	M 25.6629	M 25.8306
3	13:36:47	92.56%	M 27.1006	M 25.0296	M 25.4312	M 25.1370	24.9787	24.6316	M 25.4782	M 25.4128
x		90.86%	M 26.8666	M 25.2700	M 26.1741	M 25.2365	M 25.1206	M 24.9142	M 25.4348	M 25.5525
σ		1.67%	M 0.3433	M 0.2616	M 0.7902	M 0.2196	M 0.2388	M 0.2481	M 0.2527	M 0.2408
%RSD		1.84	M 1.2778	M 1.0352	M 3.0191	M 0.8703	M 0.9506	M 0.9957	M 0.9934	M 0.9424

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:33	M 25.1938	M 25.3337	M 26.5067	M 26.4292	M 25.1956	M 25.8275	M 25.9368	M 26.0848	104.70%
2	13:36:10	M 25.5090	M 25.0359	M 27.1817	M 27.2021	M 25.5537	M 26.2034	M 26.1216	M 26.4747	105.88%
3	13:36:47	M 25.4166	24.7959	M 26.3941	M 26.7240	M 25.1423	M 26.1142	M 26.3401	M 26.3377	108.42%
x		M 25.3731	M 25.0552	M 26.6942	M 26.7851	M 25.2972	M 26.0484	M 26.1328	M 26.2991	106.33%
σ		M 0.1620	M 0.2694	M 0.4259	M 0.3900	M 0.2238	M 0.1964	M 0.2019	M 0.1978	1.90%
%RSD		M 0.6385	M 1.0752	M 1.5956	M 1.4561	M 0.8845	M 0.7540	M 0.7725	M 0.7522	1.79

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:35:33	M 25.3220	M 25.4519	M 25.3842	105.61%	99.17%	24.3659	23.9892	24.0754
2	13:36:10	M 25.3667	M 25.4284	M 25.2923	107.64%	101.30%	24.5034	24.0771	24.0690
3	13:36:47	M 25.4064	M 25.5181	M 25.4566	107.51%	100.81%	24.8013	24.4274	24.3264
x		M 25.3650	M 25.4661	M 25.3777	106.92%	100.42%	24.5569	24.1645	24.1569
σ		M 0.0422	M 0.0465	M 0.0824	1.14%	1.11%	0.2226	0.2318	0.1468
%RSD		M 0.1665	M 0.1826	M 0.3245	1.06	1.11	0.9063	0.9594	0.6075

CCB7 10/23/2006 01:42:16 PM

User Pre-dilution: 1.000

Run	Time	6Li	51V	60Ni	61Ni	62Ni	63Cu	65Cu	66Zn	67Zn
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:16	92.41%	-0.0787	-0.0077	1.1189	0.1186	0.0655	0.0726	0.0307	0.1849
2	13:42:53	92.42%	-0.0651	-0.0138	0.9626	0.0864	0.0571	0.0573	0.0317	0.1497
3	13:43:31	92.96%	-0.0764	-0.0168	0.8127	0.0835	0.0559	0.0609	0.0283	0.2183
x		92.60%	-0.0734	-0.0128	0.9648	0.0961	0.0595	0.0636	0.0302	0.1843
σ		0.31%	0.0073	0.0046	0.1531	0.0195	0.0052	0.0080	0.0018	0.0343
%RSD		0.34	9.8913	36.1555	15.8687	20.2410	8.8101	12.5760	5.8116	18.6161

Run	Time	68Zn	75As	77Se	78Se	82Se	95Mo	97Mo	98Mo	103Rh
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:16	0.0704	-0.0305	0.3774	1.0641	0.2394	0.0301	0.0356	0.0285	102.22%
2	13:42:53	0.0560	0.0199	0.1606	1.0951	0.2334	0.0234	0.0359	0.0260	105.15%
3	13:43:31	0.0505	-0.0446	0.3450	1.0275	0.1166	0.0246	0.0276	0.0241	104.93%
x		0.0590	-0.0184	0.2944	1.0622	0.1965	0.0261	0.0330	0.0262	104.10%
σ		0.0102	0.0339	0.1169	0.0338	0.0693	0.0036	0.0047	0.0022	1.63%
%RSD		17.3688	184.6396	39.7294	3.1853	35.2527	13.7273	14.2054	8.4588	1.57

Run	Time	111Cd	112Cd	114Cd	115In	175Lu	206Pb	207Pb	208Pb
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	13:42:16	0.0069	0.0009	0.0048	101.40%	93.48%	0.0059	0.0123	0.0086
2	13:42:53	0.0087	0.0014	0.0041	104.24%	96.83%	0.0059	0.0072	0.0081
3	13:43:31	0.0096	0.0062	0.0044	104.17%	97.59%	0.0067	0.0080	0.0084
x		0.0084	0.0028	0.0044	103.27%	95.97%	0.0062	0.0092	0.0084
σ		0.0014	0.0030	0.0004	1.62%	2.19%	0.0005	0.0028	0.0003
%RSD		16.7685	103.9720	8.4356	1.57	2.28	7.7085	30.2299	3.1711

Service Request # K0606882 (Ag & Sb)_____
Calibration _____102306C_____
QC in calibration__102306C_____
QC Service Request # K0606882_____

STARLIMS run # 68688

ICP-MS Data Review Form

	Yes	No	NA
1. Appropriate standardization completed	X		
2. ICV within 10 % of true value	X		
3. CCV's in control	X		
4. CCB's and/or ICB's below MRL	X		
5. Method blank below MRL	X		
6. LCS in control	X		
7. Spike and duplicate in control	X	X	
8. All analytes within instrument linear range	X		
9. Adequate rinse out time allowed	X		
10. Internal standards in control	X		
11. Interferences checked	X		
12. Se over MRL			X
13. CRA run	X		
14. ICSA and ICSAB in control	X		
15. Serial dilution run	X		
16. Post spike in control	X		

Comments: Sb spike =36%.

Primary Review by _____ Date 10/23/06
Secondary Review by _____ Date 10/23/06
R:\icp\misc\data review forms\icpms review form

Sample List

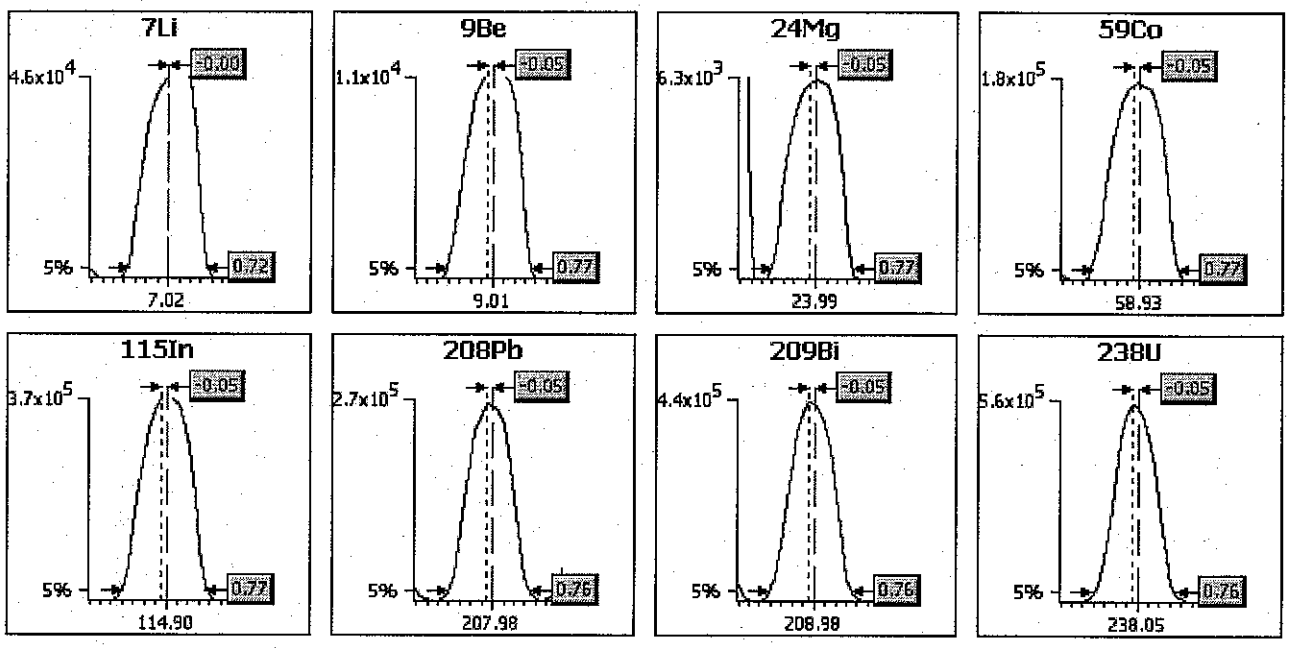
No	Label	Type	Weight	Rack	Row	Col	Height
1	Calibration Blank	Blank	1.000	0	1	1	150
2	25.0ppb Std. MS9-89-F	Fully Quant Standard	1.000	0	1	2	150
3	ICV1 MS9-74-B	Unknown	1.000	0	1	3	150
4	CCV1 MS9-89-F	Unknown	1.000	0	1	2	150
5	ICB1	Unknown	1.000	0	1	1	150
6	CCB1	Unknown	1.000	0	1	1	150
7	SOIL CRA MS9-74-C	Unknown	1.000	0	1	4	150
8	ICSA MS9-87-A	Unknown	1.000	0	1	5	150
9	ICSA+B MS9-87-B	Unknown	1.000	0	1	6	150
10	K8882-MB 1/5	Unknown	1.000	1	1	1	150
11	8882-LCSS 1/50	Unknown	1.000	1	1	2	150
12	K8882-10 1/5	Unknown	1.000	1	1	3	150
13	K8882-10D 1/5	Unknown	1.000	1	1	4	150
14	K8882-10L 1/5 X 1/5	Unknown	1.000	1	1	5	150
15	K8882-10A +20PPB 1/5	Unknown	1.000	1	1	6	150
16	K8882-10S 1/2S	Unknown	1.000	1	1	7	150
17	CCV2 MS9-89-F	Unknown	1.000	0	1	2	150
18	CCB2	Unknown	1.000	0	1	1	150
19	K8882-01 1/5	Unknown	1.000	1	1	8	150
20	K8B82-02 1/5	Unknown	1.000	1	1	9	150
21	K8882-03 1/5	Unknown	1.000	1	1	10	150
22	KB882-04 1/5	Unknown	1.000	1	1	11	150
23	K8882-11 1/5	Unknown	1.000	1	1	12	150
24	K8882-12 1/5	Unknown	1.000	1	2	1	150
25	K8882-13 1/5	Unknown	1.000	1	2	2	150
26	K8882-20 1/5	Unknown	1.000	1	2	3	150
27	K8882-32 1/5	Unknown	1.000	1	2	4	150
28	CCV3 MS9-89-F	QC Sample	1.000	0	1	2	150
29	CCB3	QC Sample	1.000	0	1	1	150

Performance Report

Sample details
Acquired at : 10/23/2006 08:49:58 AM
Report name : Kelso Performance Report [07/11/2006 10:41:59 AM]

Mass Calibration verification

Acquisition parameters
Sweeps : 100
Dwell : 1.0 mSecs
Point spacing : 0.05 amu
Peak width measured at 5% of the peak maximum



Analyte	Limits			Results	
	Max. width	Min. width	Max. error	Peak width	Peak error
7Li	0.87	0.67	0.10	0.72	-0.00
9Be	0.87	0.67	0.10	0.77	-0.05
24Mg	0.87	0.67	0.10	0.77	-0.05
59Co	0.87	0.67	0.10	0.77	-0.05
115In	0.87	0.67	0.10	0.77	-0.05
208Pb	0.87	0.67	0.10	0.76	-0.05
209Bi	0.87	0.67	0.10	0.76	-0.05
238U	0.87	0.67	0.10	0.76	-0.05

Sample details
Acquired at : 10/23/2006 08:49:58 AM
Report name : Kelso Performance Report [07/11/2006 10:41:59 AM]

Tune conditions

Major	
Extraction	-204
Lens 1	2.0
Focus	17.3
D1	-51.8
Pole Bias	2.2
Hexapole Bias	6.6
Nebuliser	0.83
Sampling Depth	109

Minor	
Lens 2	-22.7
Lens 3	-200.0
Forward power	1302
Horizontal	68
Vertical	500
D2	-187
DA	-35.3
Cool	13.9
Auxiliary	0.82

Global	
Standard resolution	125
High resolution	125
Analogue Detector	1950
PC Detector	3800

Add. Gases

Sensitivity and stability results

Acquisition parameters
Sweeps : 400

Run	Time	5Bkg	7Li	9Be	24Mg	59Co	115In	208Pb	209Bi	220Bkg
Dwell (mSecs)		10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
Limits	%RSD	-	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	5.0%	-
	Countrate	<1	>1000	>1000	>1000	>1000	>1000	>1000	>1000	<10
1	08:50:29 AM	0.250	46731.553	11174.614	6473.804	178700.01	386300.28	279635.90	445797.35	0.000
2	08:51:31 AM	1.750	47394.220	11358.592	6609.152	181456.82	389700.64	283301.30	449754.81	0.250
3	08:52:33 AM	0.000	47214.037	11445.200	6624.413	180933.54	387912.55	284173.66	445141.88	0.250
4	08:53:36 AM	0.500	47424.377	11434.437	6586.885	182804.92	396938.15	287576.18	458892.40	0.750
5	08:54:37 AM	0.750	48097.650	11622.925	6652.183	186024.51	402092.67	291277.00	466168.17	0.500
x		0.650	47372.368	11407.153	6589.287	181983.96	392588.86	285192.81	453150.92	0.350
σ		0.68	491.15	162.16	68.79	2700.26	6689.44	4421.36	9112.72	0.29
%RSD		103.917	1.037	1.422	1.044	1.484	1.704	1.550	2.011	81.441

Run	Time	238U
Dwell (mSecs)		10.0
Limits	%RSD	5.0%
	Countrate	>1000
1	08:50:29 AM	557873.69
2	08:51:31 AM	566923.88
3	08:52:33 AM	565225.35
4	08:53:36 AM	574196.44
5	08:54:37 AM	584301.02
x		569704.08
σ		10012.47
%RSD		1.757

Result : The performance report passed.

Dilution Corrected Concentrations

Calibration Blank 10/23/2006 01:58:45 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	13:58:45	-0.0002	0.0009	99.07%	0.0065	-0.0013
2	13:58:57	0.0018	0.0009	99.56%	-0.0012	0.0039
3	13:59:09	-0.0016	-0.0018	101.37%	-0.0053	-0.0026
x		0.0000	-0.0000	100.00%	0.0000	-0.0000
σ		0.0017	0.0016	1.21%	0.0060	0.0035
%RSD		0.0000	0.0000	1.21	0.0000	0.0000

25.0ppb Std. MS9-89-F 10/23/2006 02:00:41 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:00:41	M 25.0642	M 25.0632	100.23%	24.9902	24.9763
2	14:00:53	24.9095	M 25.0089	102.08%	M 25.0234	24.8995
3	14:01:05	M 25.0263	24.9279	103.43%	24.9864	M 25.1242
x		M 25.0000	M 25.0000	101.91%	M 25.0000	M 25.0000
σ		M 0.0807	M 0.0681	1.61%	M 0.0203	M 0.1142
%RSD		M 0.3227	M 0.2724	1.58	M 0.0813	M 0.4569

BG 10/23/06

ICV1 MS9-74-B 10/23/2006 02:03:22 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:03:22	12.8362	12.7836	98.82%	M 26.0979	M 26.1207
2	14:03:34	12.7186	12.6779	100.40%	M 25.9618	M 26.1239
3	14:03:46	13.0990	13.0729	101.83%	M 26.5652	M 26.5344
x		12.8846	12.8448	100.35%	M 26.2083	M 26.2597
σ		0.1948	0.2045	1.50%	M 0.3165	M 0.2379
%RSD		1.5117	1.5922	1.50	M 1.2075	M 0.9060

CCV1 MS9-89-F 10/23/2006 02:05:23 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:05:23	M 25.3175	M 25.1623	99.54%	M 25.1381	M 25.1771
2	14:05:35	M 25.2355	M 25.0911	101.84%	M 25.1312	M 25.1444
3	14:05:47	M 25.3604	M 25.6937	102.27%	M 25.5179	M 25.4257
x		M 25.3044	M 25.3157	101.22%	M 25.2624	M 25.2491
σ		M 0.0635	M 0.3293	1.47%	M 0.2213	M 0.1538
%RSD		M 0.2508	M 1.3007	1.45	M 0.8760	M 0.6093

ICB1 10/23/2006 02:07:21 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:07:21	0.0386	0.0448	99.12%	0.0003	-0.0099
2	14:07:33	0.0315	0.0313	101.01%	0.0038	-0.0007
3	14:07:45	0.0294	0.0263	102.43%	0.0070	0.0066
x		0.0332	0.0341	100.85%	0.0037	-0.0013
σ		0.0048	0.0095	1.66%	0.0034	0.0083
%RSD		14.6237	27.9189	1.65	90.0772	613.2196

CCB1 10/23/2006 02:09:07 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:09:07	0.0115	0.0129	97.93%	-0.0084	-0.0119
2	14:09:18	0.0094	0.0120	101.10%	-0.0110	-0.0179
3	14:09:30	0.0102	0.0081	101.80%	-0.0080	-0.0119
x		0.0104	0.0110	100.27%	-0.0091	-0.0139
σ		0.0011	0.0026	2.06%	0.0016	0.0035
%RSD		10.2062	23.2695	2.06	17.4447	24.8679

SOIL CRA MS9-74-C 10/23/2006 02:10:45 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:10:45	0.0457	0.0470	98.06%	0.1124	0.1164
2	14:10:57	0.0304	0.0367	101.29%	0.1249	0.1150
3	14:11:08	0.0354	0.0357	100.81%	0.1316	0.1312
x		0.0372	0.0398	100.05%	0.1230	0.1209
σ		0.0078	0.0063	1.74%	0.0098	0.0090
%RSD		20.9180	15.7404	1.74	7.9602	7.4234

ICSA MS9-87-A 10/23/2006 02:12:29 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:12:29	0.0793	0.0791	90.47%	0.0977	0.0921
2	14:12:41	0.0731	0.0739	90.77%	0.0925	0.0969
3	14:12:53	0.0537	0.0619	92.98%	0.0930	0.0958
x		0.0687	0.0717	91.41%	0.0944	0.0949
σ		0.0133	0.0088	1.37%	0.0029	0.0025
%RSD		19.4028	12.3106	1.50	3.0342	2.6547

ICSA+B MS9-87-B 10/23/2006 02:14:18 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:14:18	18.8274	18.8681	90.98%	0.0898	0.0909
2	14:14:30	18.8733	18.8571	93.19%	0.0897	0.0987
3	14:14:42	18.7483	18.6946	93.93%	0.0886	0.0878
x		18.8164	18.8066	92.70%	0.0894	0.0925
σ		0.0632	0.0971	1.53%	0.0006	0.0056
%RSD		0.3360	0.5166	1.65	0.7132	6.0742

K8882-MB 1/5 10/23/2006 02:18:06 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:18:06	0.0135	0.0109	94.25%	-0.0207	-0.0316
2	14:18:18	0.0095	0.0107	95.75%	-0.0231	-0.0202
3	14:18:30	0.0056	0.0071	98.88%	-0.0232	-0.0262
x		0.0095	0.0095	96.30%	-0.0223	-0.0260
σ		0.0039	0.0021	2.36%	0.0014	0.0057
%RSD		41.2923	22.2585	2.45	6.2949	21.8792

8882-LCSS 1/50 10/23/2006 02:19:35 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:19:35	19.0445	19.0351	99.08%	15.2564	15.2593
2	14:19:46	19.0301	19.1235	101.83%	15.3289	15.0823
3	14:19:58	19.1624	19.1235	101.67%	15.2212	15.2349
x		19.0790	19.0940	100.86%	15.2688	15.1922
σ		0.0726	0.0510	1.54%	0.0549	0.0959
%RSD		0.3803	0.2671	1.53	0.3596	0.6316

K8882-10 1/5 10/23/2006 02:21:27 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:21:27	0.5777	0.4713	93.51%	0.2741	0.2858
2	14:21:38	0.5475	0.4593	96.85%	0.2698	0.2894
3	14:21:50	0.5238	0.4418	98.07%	0.2633	0.2878
x		0.5497	0.4575	96.15%	0.2691	0.2877
σ		0.0270	0.0148	2.36%	0.0054	0.0018
%RSD		4.9148	3.2441	2.45	2.0100	0.6204

K8882-10D 1/5 10/23/2006 02:23:09 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:23:09	0.6461	0.5703	94.84%	0.1934	0.2142
2	14:23:21	0.6460	0.5628	97.10%	0.1912	0.2125
3	14:23:33	0.6228	0.5519	98.10%	0.1943	0.2074
x		0.6383	0.5617	96.68%	0.1930	0.2114
σ		0.0134	0.0092	1.67%	0.0016	0.0036
%RSD		2.1033	1.6438	1.73	0.8425	1.6923

K8882-10L 1/5 X 1/5 10/23/2006 02:24:51 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:24:51	0.1725	0.1480	98.55%	0.0391	0.0392
2	14:25:03	0.1701	0.1425	99.23%	0.0460	0.0455
3	14:25:15	0.1642	0.1380	100.11%	0.0385	0.0377
x		0.1689	0.1428	99.30%	0.0412	0.0408
σ		0.0043	0.0050	0.78%	0.0042	0.0041
%RSD		2.5492	3.5067	0.79	10.1077	10.1293

K8882-10A +20PPB 1/5 10/23/2006 02:26:35 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:26:35	20.4590	20.5326	96.07%	21.4192	21.5605
2	14:26:47	20.7625	20.7461	96.85%	21.6725	21.6049
3	14:26:58	20.6247	20.5756	98.65%	21.3925	21.4469
x		20.6154	20.6181	97.19%	21.4947	21.5374
σ		0.1520	0.1129	1.32%	0.1545	0.0815
%RSD		0.7372	0.5478	1.36	0.7189	0.3784

K8882-10S 1/25 10/23/2006 02:28:27 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:28:27	4.2354	4.1758	99.22%	14.5101	14.4907
2	14:28:39	4.3053	4.3594	99.67%	15.0262	15.1654
3	14:28:51	4.0568	4.0921	102.90%	14.2145	14.0682
x		4.1992	4.2091	100.60%	14.5836	14.5748
σ		0.1282	0.1368	2.01%	0.4108	0.5534
%RSD		3.0529	3.2495	2.00	2.8170	3.7970

CCV2 MS9-89-F 10/23/2006 02:30:21 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:30:21	M 25.3400	M 25.4712	103.09%	24.9191	24.9283
2	14:30:32	24.8038	24.9903	106.25%	24.8515	24.6939
3	14:30:44	24.8512	24.9507	105.53%	24.9729	M 25.0027
x		M 24.9983	M 25.1374	104.95%	24.9145	M 24.8749
σ		M 0.2968	M 0.2898	1.66%	0.0608	M 0.1612
%RSD		M 1.1874	M 1.1527	1.58	0.2441	M 0.6480

CCB2 10/23/2006 02:32:27 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:32:27	0.0257	0.0243	100.83%	-0.0228	-0.0231
2	14:32:39	0.0096	0.0150	102.47%	-0.0204	-0.0214
3	14:32:51	0.0078	0.0065	103.52%	-0.0191	-0.0235
x		0.0144	0.0153	102.27%	-0.0207	-0.0227
σ		0.0099	0.0089	1.36%	0.0019	0.0011
%RSD		68.6705	57.9542	1.33	8.9801	4.8644

K8882-01 1/5 10/23/2006 02:33:59 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:33:59	0.8113	0.7069	92.76%	0.1196	0.1258
2	14:34:10	0.7937	0.7137	94.41%	0.1087	0.1324
3	14:34:22	0.7908	0.7059	93.94%	0.1097	0.1472
x		0.7986	0.7088	93.70%	0.1127	0.1351
σ		0.0111	0.0042	0.85%	0.0060	0.0110
%RSD		1.3837	0.5979	0.91	5.3191	8.1367

K8882-02 1/5 10/23/2006 02:35:43 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:35:43	1.7435	1.6571	90.58%	0.1136	0.1370
2	14:35:54	1.7226	1.6520	91.03%	0.1209	0.1377
3	14:36:06	1.7427	1.6786	91.76%	0.1272	0.1379
x		1.7362	1.6626	91.12%	0.1206	0.1375
σ		0.0119	0.0141	0.60%	0.0068	0.0005
%RSD		0.6831	0.8475	0.66	5.6718	0.3654

K8882-03 1/5 10/23/2006 02:37:37 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:37:37	1.7635	1.6483	88.01%	0.1139	0.1182
2	14:37:49	1.7520	1.6635	89.73%	0.1195	0.1148
3	14:38:00	1.7477	1.6600	92.05%	0.1183	0.1181
x		1.7544	1.6573	89.93%	0.1173	0.1170
σ		0.0082	0.0080	2.03%	0.0029	0.0019
%RSD		0.4674	0.4814	2.25	2.5147	1.6534

K8882-04 1/5 10/23/2006 02:39:26 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:39:26	0.2745	0.2037	93.10%	0.0997	0.1178
2	14:39:38	0.2799	0.1990	93.90%	0.1035	0.1212
3	14:39:50	0.2857	0.1988	95.60%	0.0983	0.1213
x		0.2800	0.2005	94.20%	0.1005	0.1201
σ		0.0056	0.0028	1.28%	0.0027	0.0020
%RSD		1.9956	1.3863	1.36	2.7135	1.6719

K8882-11 1/5 10/23/2006 02:41:19 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:41:19	0.3550	0.2744	94.34%	0.1934	0.2055
2	14:41:30	0.3503	0.2739	96.54%	0.1935	0.2055
3	14:41:42	0.3453	0.2659	96.47%	0.1933	0.2142
x		0.3502	0.2714	95.78%	0.1934	0.2084
σ		0.0048	0.0048	1.25%	0.0001	0.0050
%RSD		1.3736	1.7573	1.31	0.0608	2.4068

K8882-12 1/5 10/23/2006 02:43:03 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:43:03	10.2973	10.3491	106.69%	5.0725	5.1471
2	14:43:15	10.3355	10.4150	108.77%	5.0674	5.0472
3	14:43:26	10.3390	10.2943	109.04%	5.0328	5.0035
x		10.3239	10.3528	108.17%	5.0576	5.0660
σ		0.0231	0.0604	1.29%	0.0216	0.0736
%RSD		0.2241	0.5838	1.19	0.4278	1.4535

K8882-13 1/5 10/23/2006 02:44:49 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:44:49	1.3565	1.2986	93.83%	0.5502	0.5358
2	14:45:00	1.3773	1.3273	95.73%	0.5486	0.5632
3	14:45:13	1.3490	1.3275	96.68%	0.5375	0.5622
x		1.3609	1.3178	95.41%	0.5454	0.5538
σ		0.0146	0.0166	1.45%	0.0069	0.0155
%RSD		1.0764	1.2598	1.52	1.2722	2.8018

K8882-20 1/5 10/23/2006 02:46:33 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:46:33	0.2970	0.2361	93.46%	0.0619	0.0653
2	14:46:45	0.3122	0.2533	94.09%	0.0572	0.0591
3	14:46:57	0.2962	0.2384	97.16%	0.0587	0.0634
x		0.3018	0.2426	94.90%	0.0592	0.0626
σ		0.0090	0.0094	1.98%	0.0024	0.0032
%RSD		2.9841	3.8566	2.09	4.0355	5.0896

K8882-32 1/5 10/23/2006 02:48:17 PM

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:48:17	2.2800	2.2356	89.57%	0.0340	0.0588
2	14:48:29	2.2961	2.1868	91.89%	0.0376	0.0517
3	14:48:41	2.3138	2.2386	91.71%	0.0285	0.0509
x		2.2967	2.2204	91.06%	0.0334	0.0538
σ		0.0169	0.0291	1.29%	0.0046	0.0044
%RSD		0.7360	1.3096	1.42	13.6705	8.0961

CCV3 MS9-89-F 10/23/2006 02:50:07 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:50:07	24.9977	24.9192	98.43%	24.8120	24.9563
2	14:50:18	24.9182	M 25.0611	101.04%	M 25.0781	M 25.1083
3	14:50:30	24.6021	24.7935	102.99%	24.7585	24.7746 24.9464
x	24.8313	99.357%	M 99.698%	100.82%	M 99.531%	M 99.786%
σ		n/a	M n/a	2.29%	M n/a	M n/a
%RSD		0.8424	M 0.5373	2.27	M 0.6881	M 0.6697

CCB3 10/23/2006 02:52:16 PM QC Status: PASS (Initial: PASS)

User Pre-dilution: 1.000

Run	Time	107Ag	109Ag	115In	121Sb	123Sb
		ppb	ppb	ppb	ppb	ppb
1	14:52:16	-0.0043	-0.0065	98.59%	-0.0279	-0.0358
2	14:52:28	-0.0124	-0.0093	102.06%	-0.0312	-0.0320
3	14:52:40	-0.0147	-0.0150	102.30%	-0.0296	-0.0339
x		-0.0105	-0.0103	100.99%	-0.0296	-0.0339
σ		0.0054	0.0044	2.07%	0.0016	0.0019
%RSD		51.9335	42.5502	2.05	5.5413	5.4852

Dilution Corrected Concentrations

Calibration Blank 12/04/2006 08:32:44 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:44	0.0043	0.0103	0.0092	-0.0000	0.0880	0.0128	0.0243	0.0108
2	08:33:06	-0.0147	0.0020	0.0386	-0.0003	0.0532	0.0134	-0.0114	-0.0145
3	08:33:29	0.0104	-0.0123	-0.0478	0.0003	-0.1413	-0.0262	-0.0129	0.0038
x		0.0000	0.0000	-0.0000	0.0000	0.0000	0.0000	0.0000	0.0000
σ		0.0131	0.0114	0.0440	0.0003	0.1236	0.0227	0.0210	0.0131
%RSD		0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000	0.0000

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:32:44	98.63%	-0.0210	0.0272	0.0189	-0.0511	99.21%
2	08:33:06	100.46%	-0.0282	0.0219	-0.0580	-0.0711	99.38%
3	08:33:29	100.92%	0.0492	-0.0491	0.0391	0.1222	101.41%
x		100.00%	0.0000	-0.0000	0.0000	0.0000	100.00%
σ		1.21%	0.0427	0.0426	0.0512	0.1063	1.23%
%RSD		1.21	0.0000	0.0000	0.0000	0.0000	1.23

25.0ppb Std. MS10-10-H 12/04/2006 08:34:46 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:34:46	M 25.1309	M 25.0752	M 25.2926	M 25.1249	24.8024	M 25.1579	M 25.2882	M 25.1537
2	08:35:09	M 25.0125	24.9862	24.8423	M 25.1095	M 25.3031	24.8844	24.7620	M 25.0046
3	08:35:32	24.8566	24.9386	24.8651	24.7656	24.8945	24.9577	24.9497	24.8416
x		M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000	M 25.0000
σ		M 0.1375	M 0.0694	M 0.2536	M 0.2031	M 0.2665	M 0.1416	M 0.2667	M 0.1561
%RSD		M 0.5502	M 0.2774	M 1.0145	M 0.8126	M 1.0661	M 0.5662	M 1.0667	M 0.6244

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:34:46	99.86%	M 25.2202	24.6754	M 25.0005	M 25.0230	99.96%
2	08:35:09	100.91%	24.7167	M 25.2904	M 25.3098	24.7143	100.99%
3	08:35:32	100.33%	M 25.0631	M 25.0342	24.6897	M 25.2627	100.86%
x		100.37%	M 25.0000	M 25.0000	M 25.0000	M 25.0000	100.60%
σ		0.53%	M 0.2576	M 0.3089	M 0.3101	M 0.2750	0.56%
%RSD		0.53	M 1.0304	M 1.2356	M 1.2403	M 1.0998	0.56

ICV1 MS10-10-I 12/04/2006 08:36:50 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:36:50	24.0056	9.5081	9.7076	24.1909	22.7714	23.7964	12.0683	12.0227
2	08:37:13	24.0723	9.5179	9.6358	23.6462	23.7032	23.6800	11.9779	11.8690
3	08:37:35	24.0636	9.4797	9.3944	23.8610	23.2355	23.4952	11.8881	11.8877
x		24.0472	9.5019	9.5793	23.8994	23.2367	23.6572	11.9781	11.9265
σ		0.0363	0.0198	0.1641	0.2744	0.4659	0.1519	0.0901	0.0838
%RSD		0.1508	0.2088	1.7131	1.1480	2.0050	0.6420	0.7521	0.7029

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:36:50	97.77%	M 25.3649	24.4902	M 25.1792	M 25.3172	97.74%
2	08:37:13	98.26%	M 25.3815	24.4580	24.8023	24.8952	99.37%
3	08:37:35	98.93%	M 25.2984	24.7305	24.8733	M 25.1796	99.03%
x		98.32%	M 25.3482	24.5596	M 24.9516	M 25.1307	98.71%
σ		0.58%	M 0.0440	0.1489	M 0.2003	M 0.2152	0.86%
%RSD		0.59	M 0.1734	0.6062	M 0.8027	M 0.8564	0.87

CCV1 MS10-10-H 12/04/2006 08:38:53 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:38:53	M 25.0386	M 25.0518	M 25.1406	M 25.0106	M 25.0630	24.9568	M 25.0509	M 25.1320
2	08:39:16	24.8916	24.8098	24.5666	24.4756	24.2090	24.6279	24.4010	24.2758
3	08:39:39	24.7371	24.7669	24.5112	24.7232	24.2195	24.4077	24.4772	24.3365
x		M 24.8891	M 24.8761	M 24.7395	M 24.7365	M 24.4972	24.6641	M 24.6431	M 24.5814
σ		M 0.1508	M 0.1536	M 0.3485	M 0.2677	M 0.4900	0.2764	M 0.3553	M 0.4778
%RSD		M 0.6059	M 0.6175	M 1.4088	M 1.0823	M 2.0004	1.1205	M 1.4416	M 1.9437

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:38:53	98.64%	M 25.1264	24.7082	24.9731	24.9745	98.09%
2	08:39:16	100.19%	24.7835	24.8669	24.8507	24.6906	101.31%
3	08:39:39	100.50%	24.8015	24.5934	M 25.0974	24.8616	100.47%
x		99.78%	M 24.9038	24.7228	M 24.9737	24.8422	99.96%
σ		1.00%	M 0.1930	0.1374	M 0.1233	0.1430	1.67%
%RSD		1.00	M 0.7749	0.5556	M 0.4938	0.5756	1.67

ICB1 12/04/2006 08:40:55 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:40:55	-0.0007	-0.0160	0.0319	0.0028	-0.0560	0.0254	0.0899	0.0724
2	08:41:18	0.0143	-0.0123	-0.0235	0.0085	0.0332	0.0158	0.0656	0.0583
3	08:41:41	-0.0094	-0.0153	0.0131	0.0147	-0.0214	0.0001	0.0246	0.0210
x		0.0014	-0.0145	0.0072	0.0087	-0.0147	0.0137	0.0600	0.0506
σ		0.0120	0.0019	0.0282	0.0059	0.0450	0.0128	0.0330	0.0266
%RSD		853.6367	13.3930	393.8360	68.3025	305.1994	93.1129	55.0113	52.5829

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:40:55	98.63%	0.0686	0.4125	0.3641	0.1832	98.86%
2	08:41:18	98.17%	0.0741	0.3342	0.3021	0.2505	98.28%
3	08:41:41	99.55%	0.1191	0.3101	0.2128	0.4393	98.72%
x		98.78%	0.0873	0.3523	0.2930	0.2910	98.62%
σ		0.70%	0.0277	0.0536	0.0761	0.1328	0.31%
%RSD		0.71	31.7629	15.2060	25.9629	45.6237	0.31

CCB1 12/04/2006 08:42:57 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:42:57	-0.0004	0.0022	0.0006	-0.0000	-0.0577	0.0051	0.0238	0.0176
2	08:43:20	0.0056	0.0090	-0.0196	-0.0027	-0.0613	0.0303	-0.0028	0.0123
3	08:43:42	-0.0110	0.0026	0.0054	-0.0031	0.2063	0.0211	0.0141	0.0059
x		-0.0019	0.0046	-0.0046	-0.0019	0.0291	0.0188	0.0117	0.0119
σ		0.0085	0.0038	0.0133	0.0016	0.1535	0.0128	0.0135	0.0058
%RSD		438.9360	82.8968	291.7815	85.2662	527.7636	67.8427	115.2248	49.0185

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:42:57	97.27%	0.0165	0.1427	0.2421	0.0782	96.37%
2	08:43:20	98.81%	0.0255	0.0921	0.1682	0.0764	98.41%
3	08:43:42	99.44%	0.0066	0.1219	0.0382	0.0348	99.00%
x		98.51%	0.0162	0.1189	0.1495	0.0631	97.93%
σ		1.11%	0.0095	0.0254	0.1032	0.0246	1.38%
%RSD		1.13	58.4042	21.3985	69.0291	38.9045	1.41

WATER CRA MS9-92-G 12/04/2006 08:45:01 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:45:01	0.2326	0.2418	0.2202	0.2220	0.3381	0.2472	0.1541	0.1408
2	08:45:24	0.2247	0.2314	0.2145	0.2295	0.3699	0.2181	0.1743	0.1716
3	08:45:47	0.2215	0.2355	0.2067	0.2236	0.3623	0.2671	0.1851	0.1867
x		0.2263	0.2362	0.2138	0.2250	0.3568	0.2441	0.1712	0.1663
σ		0.0057	0.0053	0.0068	0.0039	0.0166	0.0247	0.0157	0.0234
%RSD		2.5330	2.2239	3.1696	1.7412	4.6499	10.0984	9.1919	14.0814

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:45:01	98.73%	0.6757	1.0357	1.2733	1.2032	98.55%
2	08:45:24	100.04%	0.6225	1.1694	1.1138	1.1973	99.16%
3	08:45:47	100.68%	0.6700	0.9355	1.0941	1.1313	100.37%
x		99.82%	0.6560	1.0469	1.1604	1.1773	99.36%
σ		0.99%	0.0292	0.1174	0.0983	0.0399	0.93%
%RSD		0.99	4.4508	11.2099	8.4710	3.3912	0.93

ICSA MS10-8-A 12/04/2006 08:47:05 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:05	-0.0337	0.2150	0.7443	0.5509	6.1169	0.9064	0.3150	0.3973
2	08:47:28	-0.0256	0.2457	0.7385	0.5650	6.3877	0.9242	0.3237	0.3693
3	08:47:51	-0.0290	0.2274	0.7665	0.4977	5.1314	0.9403	0.3377	0.4168
x		-0.0294	0.2294	0.7498	0.5379	5.8787	0.9236	0.3254	0.3944
σ		0.0041	0.0154	0.0148	0.0355	0.6611	0.0170	0.0114	0.0239
%RSD		13.9287	6.7321	1.9710	6.5924	11.2461	1.8354	3.5131	6.0546

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:47:05	85.60%	0.0837	0.3571	-0.1680	-0.0399	87.65%
2	08:47:28	85.07%	0.0390	0.3982	-0.3861	-0.0447	87.64%
3	08:47:51	85.24%	0.0409	0.4150	-0.1872	-0.1014	88.33%
x		85.31%	0.0546	0.3901	-0.2471	-0.0620	87.87%
σ		0.27%	0.0253	0.0298	0.1208	0.0342	0.40%
%RSD		0.32	46.3308	7.6442	48.8727	55.1054	0.45

ICSA+B MS10-8-B 12/04/2006 08:49:13 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:13	-0.1518	23.5304	23.6290	22.7123	M 26.7271	23.1905	22.2110	22.3916
2	08:49:35	-0.2977	23.0563	23.5327	22.3793	M 27.9522	23.0068	21.7313	22.0120
3	08:49:58	-0.1661	23.2086	23.3186	22.4306	M 28.2655	22.7318	22.0245	21.9375
x		-0.2052	23.2651	23.4934	22.5074	M 27.6483	22.9764	21.9889	22.1137
σ		0.0805	0.2421	0.1589	0.1793	M 0.8130	0.2309	0.2418	0.2435
%RSD		39.2146	1.0404	0.6764	0.7966	M 2.9403	1.0048	1.0997	1.1013

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:49:13	84.55%	22.8575	0.4469	-0.2256	-0.1736	86.96%
2	08:49:35	85.53%	22.6249	0.3886	-0.3352	0.0212	87.78%
3	08:49:58	85.82%	22.7045	0.3863	-0.3884	-0.1434	88.03%
x		85.30%	22.7290	0.4073	-0.3164	-0.0986	87.59%
σ		0.67%	0.1182	0.0343	0.0830	0.1049	0.56%
%RSD		0.78	0.5203	8.4312	26.2393	106.3637	0.64

K8882-M8 12/04/2006 08:51:21 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:51:21	0.0053	0.0291	0.1246	-0.0037	0.4223	0.0650	0.0241	0.0121
2	08:51:44	0.0010	0.0198	0.1034	0.0000	-0.1107	0.0337	-0.0038	0.0267
3	08:52:07	0.0187	0.0354	0.0732	-0.0075	0.1464	0.0320	0.0216	0.0461
x		0.0083	0.0281	0.1004	-0.0037	0.1527	0.0436	0.0140	0.0283
σ		0.0092	0.0079	0.0258	0.0038	0.2665	0.0185	0.0154	0.0170
%RSD		111.3136	28.0523	25.7186	100.6407	174.5841	42.5618	110.3569	60.0915

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:51:21	96.05%	0.0100	0.0808	-0.3852	-0.0895	96.32%
2	08:51:44	97.18%	0.0528	0.0872	-0.1568	0.0947	97.60%
3	08:52:07	95.87%	0.0145	0.0759	-0.0889	-0.0432	96.23%
x		96.37%	0.0258	0.0813	-0.2103	-0.0127	96.71%
σ		0.71%	0.0235	0.0057	0.1552	0.0958	0.77%
%RSD		0.74	91.2595	7.0178	73.8071	756.4868	0.79

K8882-LCSW 12/04/2006 08:53:31 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:53:31	21.1171	21.1513	20.8580	20.8478	20.3723	21.0038	20.7283	20.7522
2	08:53:54	20.6196	20.6348	20.6150	20.5108	20.3942	20.6757	20.5891	20.6538
3	08:54:17	20.8302	20.8666	20.8945	20.9060	20.6836	20.8526	20.9127	20.9427
x		20.8556	20.8842	20.7892	20.7549	20.4834	20.8440	20.7433	20.7829
σ		0.2497	0.2587	0.1519	0.2134	0.1738	0.1642	0.1623	0.1469
%RSD		1.1975	1.2387	0.7308	1.0280	0.8483	0.7876	0.7824	0.7067

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:53:31	97.36%	20.3296	20.3316	20.4645	19.8175	97.75%
2	08:53:54	99.03%	20.7552	19.5509	20.8826	20.2739	99.40%
3	08:54:17	99.51%	20.5226	20.4490	20.8426	20.6671	98.99%
x		98.63%	20.5358	20.1105	20.7299	20.2528	98.71%
σ		1.13%	0.2131	0.4882	0.2307	0.4252	0.85%
%RSD		1.15	1.0378	2.4275	1.1129	2.0995	0.87

K8882-29 12/04/2006 08:55:36 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:36	0.1034	0.2134	2.3779	0.1750	7.7785	11.8385	3.3792	0.0782
2	08:55:59	0.0892	0.1800	2.2857	0.1905	6.5839	12.2361	3.4246	0.0930
3	08:56:21	0.0954	0.1898	2.5249	0.1875	6.5783	12.4658	3.5236	0.0811
x		0.0960	0.1944	2.3962	0.1843	6.9802	12.1801	3.4425	0.0841
σ		0.0071	0.0172	0.1207	0.0082	0.6913	0.3174	0.0738	0.0079
%RSD		7.4398	8.8315	5.0359	4.4505	9.9043	2.6057	2.1449	9.3487

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:55:36	82.87%	0.8236	1.7378	0.6316	2.6191	84.69%
2	08:55:59	85.38%	0.7324	2.0908	0.6435	2.6844	87.10%
3	08:56:21	86.35%	0.7265	1.8155	0.5426	2.2820	88.42%
x		84.87%	0.7608	1.8814	0.6059	2.5285	86.74%
σ		1.80%	0.0545	0.1855	0.0552	0.2159	1.89%
%RSD		2.12	7.1615	9.8591	9.1057	8.5399	2.18

K8882-29D 12/04/2006 08:57:39 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:39	0.0607	0.1686	2.6859	0.2033	8.0796	9.7312	3.2450	0.0937
2	08:58:02	0.0965	0.1642	2.5935	0.2173	7.6395	8.4623	3.1351	0.0560
3	08:58:25	0.1425	0.1541	2.4731	0.1767	6.7922	7.2874	3.0733	0.0878
x		0.0999	0.1623	2.5842	0.1991	7.5037	8.4936	3.1511	0.0792
σ		0.0410	0.0074	0.1067	0.0206	0.6544	1.2222	0.0870	0.0203
%RSD		41.0635	4.5887	4.1300	10.3563	8.7204	14.3902	2.7600	25.6506

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:57:39	87.17%	0.7514	1.8409	0.5089	2.5944	88.51%
2	08:58:02	88.24%	0.8451	1.5970	0.6078	2.5351	89.58%
3	08:58:25	89.05%	0.8268	1.7460	0.8019	2.5489	90.97%
x		88.15%	0.8077	1.7280	0.6396	2.5595	89.69%
σ		0.94%	0.0497	0.1229	0.1491	0.0310	1.24%
%RSD		1.07	6.1484	7.1145	23.3089	1.2123	1.38

K8882-29L 1/5 12/04/2006 08:59:44 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	08:59:44	0.0261	0.0954	0.7058	0.0235	2.3617	0.6159	0.5524	-0.0216
2	09:00:07	0.0237	0.0914	0.6433	0.0315	1.7052	0.4752	0.5400	0.0134
3	09:00:30	0.0053	0.0952	0.6426	0.0170	1.4851	0.4335	0.5206	-0.0051
x		0.0184	0.0940	0.6639	0.0240	1.8506	0.5082	0.5377	-0.0044
σ		0.0114	0.0022	0.0363	0.0073	0.4560	0.0956	0.0161	0.0175
%RSD		62.0789	2.3886	5.4669	30.3131	24.6420	18.8058	2.9858	394.0421

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	08:59:44	103.54%	0.1965	0.4104	0.3664	0.6251	102.92%
2	09:00:07	104.63%	0.2041	0.3969	0.4530	0.6555	104.95%
3	09:00:30	105.71%	0.1946	0.3652	0.4449	0.5730	105.17%
x		104.63%	0.1984	0.3908	0.4215	0.6178	104.35%
σ		1.09%	0.0050	0.0232	0.0478	0.0417	1.24%
%RSD		1.04	2.5285	5.9333	11.3475	6.7528	1.19

K8882-29A 12/04/2006 09:01:47 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:01:47	22.5553	21.9580	24.4363	20.1849	M 28.4853	M 27.3924	22.6052	19.4638
2	09:02:10	22.8143	21.8598	23.6622	19.9470	M 25.8792	M 30.5167	22.6366	19.3411
3	09:02:33	22.5881	21.7401	23.9549	19.9390	M 25.9073	M 33.7770	22.8437	19.3851
x		22.6526	21.8526	24.0178	20.0236	M 26.7573	M 30.5621	22.6952	19.3967
σ		0.1410	0.1091	0.3909	0.1397	M 1.4966	M 3.1926	0.1296	0.0622
%RSD		0.6225	0.4993	1.6274	0.6977	M 5.5932	M 10.4461	0.5710	0.3206

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:01:47	87.63%	21.7327	21.9095	20.5397	22.1822	89.17%
2	09:02:10	87.53%	21.9191	21.7910	20.2535	22.2360	90.13%
3	09:02:33	87.56%	21.6807	21.5186	20.4393	21.9692	89.48%
x		87.57%	21.7775	21.7397	20.4108	22.1292	89.59%
σ		0.05%	0.1253	0.2004	0.1452	0.1411	0.49%
%RSD		0.06	0.5755	0.9220	0.7113	0.6375	0.54

K8882-29S 12/04/2006 09:03:52 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:52	23.0297	22.2066	24.8570	20.4022	M 26.7763	M 37.2619	23.4656	19.7867
2	09:04:15	22.4696	21.5536	24.0107	19.7653	M 25.8883	M 35.2984	22.8944	19.3109
3	09:04:38	22.4859	21.5240	24.1589	19.8354	M 26.0305	M 34.9126	22.8216	19.2021
x		22.6618	21.7614	24.3422	20.0010	M 26.2317	M 35.8243	23.0605	19.4332
σ		0.3188	0.3858	0.4519	0.3492	M 0.4770	M 1.2599	0.3527	0.3109
%RSD		1.4066	1.7731	1.8565	1.7460	M 1.8184	M 3.5168	1.5295	1.5997

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:03:52	84.84%	22.8967	21.5162	20.7507	23.5592	87.01%
2	09:04:15	86.68%	22.6413	21.0847	20.7625	23.2000	89.45%
3	09:04:38	86.67%	22.3327	21.0016	20.5865	22.3335	89.19%
x		86.06%	22.6236	21.2008	20.6999	23.0309	88.55%
σ		1.06%	0.2824	0.2763	0.0984	0.6301	1.34%
%RSD		1.23	1.2483	1.3031	0.4755	2.7359	1.51

CCV2 MS10-10-H 12/04/2006 09:05:57 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:57	M 25.4812	M 25.2689	M 25.3755	M 25.4038	M 25.2020	M 25.8741	M 25.1062	24.9456
2	09:06:19	M 25.2200	M 25.1461	M 25.6085	M 25.2352	M 25.2876	M 25.5789	M 25.0137	M 25.1318
3	09:06:42	M 25.5523	M 25.3657	M 25.2151	M 25.5533	M 25.1332	M 25.6337	24.8736	24.8717
x		M 25.4178	M 25.2602	M 25.3997	M 25.3975	M 25.2076	M 25.6955	M 24.9978	M 24.9830
σ		M 0.1750	M 0.1101	M 0.1978	M 0.1591	M 0.0773	M 0.1570	M 0.1171	M 0.1340
%RSD		M 0.6885	M 0.4357	M 0.7787	M 0.6266	M 0.3068	M 0.6111	M 0.4685	M 0.5365

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:05:57	107.43%	M 25.4870	M 25.4426	M 25.9322	M 25.7391	105.68%
2	09:06:19	107.73%	M 25.5678	M 25.2135	M 25.8455	M 26.4486	106.98%
3	09:06:42	106.92%	M 25.2938	M 25.4328	M 25.7210	M 25.2969	107.34%
x		107.36%	M 25.4496	M 25.3630	M 25.8329	M 25.8282	106.67%
σ		0.41%	M 0.1408	M 0.1295	M 0.1062	M 0.5810	0.88%
%RSD		0.38	M 0.5532	M 0.5108	M 0.4109	M 2.2494	0.82

CCB2 12/04/2006 09:07:59 AM

User Pre-dilution: 1.000

Run	Time	51V	52Cr	53Cr	60Ni	61Ni	62Ni	63Cu	65Cu
		ppb	ppb	ppb	ppb	ppb	ppb	ppb	ppb
1	09:07:59	0.0112	0.0721	0.1944	-0.0024	0.2291	0.1808	0.0058	-0.0232
2	09:08:22	0.0217	0.0424	0.1301	0.0123	0.2227	0.1558	0.0032	-0.0235
3	09:08:45	0.0184	0.0637	0.1382	-0.0001	0.3303	0.1393	0.0214	-0.0025
x		0.0171	0.0594	0.1543	0.0032	0.2607	0.1586	0.0102	-0.0164
σ		0.0054	0.0153	0.0350	0.0079	0.0604	0.0209	0.0098	0.0120
%RSD		31.4661	25.7366	22.6956	245.1621	23.1514	13.1524	96.8444	73.1659

Run	Time	71Ga	75As	77Se	78Se	82Se	115In
		ppb	ppb	ppb	ppb	ppb	ppb
1	09:07:59	104.29%	0.0952	0.5139	0.4358	0.4029	102.91%
2	09:08:22	106.43%	0.0853	0.3409	0.3571	0.2676	105.46%
3	09:08:45	103.95%	0.1262	0.2685	0.5140	0.3215	103.18%
x		104.89%	0.1022	0.3745	0.4356	0.3307	103.85%
σ		1.34%	0.0213	0.1261	0.0784	0.0681	1.40%
%RSD		1.28	20.8800	33.6717	18.0046	20.6013	1.35

Method: INTSTD6C Sample Name: EXTRA Operator:
Comment:
Run Time: 11/27/06 10:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1408	.0058	-.0090	.0030	.0000	.3795	-.0004
#1	.1988	.0122	-.0101	.0032	.0001	.3831	-.0003
#2	.0827	-.0006	-.0078	.0028	.0000	.3760	-.0005

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.71	.0004	.0000	.5591	.2026	-.0023	71.37
#1	28.90	-.0014	.0002	.5626	.2038	-.0080	71.18
#2	28.52	.0022	-.0002	.5557	.2014	.0035	71.56

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0201	-.0002	-.0009	25.27	-.0017	-.0028	590.0
#1	.0200	.0035	-.0009	25.26	.0089	-.0072	594.0
#2	.0201	-.0039	-.0009	25.28	-.0122	.0017	585.9

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0110	-.0026	.0771	.0200	2.683	-.0013	-.0057
#1	-.0118	-.0020	.0775	.0162	2.683	-.0029	-.0130
#2	-.0102	-.0033	.0767	.0238	2.682	.0003	.0016

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0130	.4440	48.80
#1	.0128	.4471	48.65
#2	.0133	.4410	48.95

Int. Std.	Sc3572
Units	Cts/S
Avg	354.95
#1	352.90
#2	356.99

Method: INTSTD6C Sample Name: ICP Operator:
Comment:
Run Time: 11/27/06 10:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1575	-.0183	-.0141	.0033	-.0001	.3581	.0001
#1	.1596	-.0255	-.0105	.0035	-.0001	.3597	-.0001
#2	.1555	-.0111	-.0177	.0030	-.0001	.3565	.0002

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.36	-.0031	-.0011	.5714	.2150	-.0015	62.86
#1	25.85	-.0039	-.0010	.5627	.2235	-.0078	62.96
#2	24.87	-.0022	-.0012	.5801	.2065	.0048	62.75

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0195	.0003	.0001	21.62	.0006	-.0117	530.8
#1	.0204	.0000	-.0007	21.20	.0055	-.0094	546.9
#2	.0186	.0006	.0010	22.04	-.0044	-.0140	514.8

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0036	.0807	.0061	2.737	.0000	-.0032
#1	.0006	.0000	.0830	.0072	2.719	.0018	-.0017
#2	-.0017	.0071	.0783	.0049	2.754	-.0019	-.0048

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0129	.3850	43.97
#1	.0134	.3898	43.93
#2	.0124	.3802	44.00

Int. Std.	Sc3572
Units	Cts/S
Avg	354.80
#1	343.54
#2	366.06

Method: INTSTD6C Sample Name: R.P. Operator:
Comment:
Run Time: 11/27/06 10:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1005	.0150	-.0081	.0034	.0000	.3853	-.0002
#1	.0912	.0072	-.0015	.0033	-.0001	.3845	-.0002
#2	.1098	.0228	-.0146	.0036	.0001	.3860	-.0002

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	29.27	-.0029	.0001	.5604	.2026	.0068	72.83
#1	28.94	-.0038	-.0001	.5577	.2001	.0003	72.85
#2	29.61	-.0020	.0003	.5631	.2051	.0132	72.82

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0203	-.0001	-.0013	25.73	-.0044	-.0033	605.8
#1	.0202	-.0032	-.0009	25.62	-.0044	-.0071	599.1
#2	.0204	.0030	-.0016	25.84	-.0044	.0005	612.4

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0014	.0885	.0182	2.741	.0003	-.0074
#1	-.0014	-.0024	.0877	.0156	2.742	-.0014	-.0078
#2	.0016	-.0003	.0893	.0208	2.740	.0021	-.0071

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0131	.4530	50.05
#1	.0138	.4471	49.96
#2	.0123	.4590	50.13

Int. Std.	Sc3572
Units	Cts/S
Avg	355.41
#1	358.50
#2	352.32

Simultaneously Extractable Metals

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCIT13	K0608882-020
SCIT13D	K0608882-020D
SCIT13S	K0608882-020S
Method Blnak	K0608882-MB

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:

Signature: [signature]

Date: 11/26/06

Simultaneously Extractable Metals

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/06/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SOIL	Units:	MG/KG
		Basis:	Dry

Sample Name: SCIT13 Lab Code: K0608882-020

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Cadmium	6010B	0.1	1	10/17/06	10/18/06	0.1	U	
Copper	6010B	0.3	1	10/17/06	10/18/06	40.5		
Lead	6010B	2.7	1	10/17/06	10/18/06	2.7	U	
Nickel	6010B	0.5	1	10/17/06	10/18/06	0.9		
Zinc	6010B	0.3	1	10/17/06	10/18/06	7.4		

% Solids: 76.6

Comments:

Simultaneously Extractable Metals

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Service Request: K0608882
Date Collected:
Date Received:
Units: MG/KG
Basis: Dry

Sample Name: Method Blnak
Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	Dilution Factor	Date Extracted	Date Analyzed	Result	C	Q
Cadmium	6010B	0.1	1	10/17/06	10/18/06	0.1	U	
Copper	6010B	0.1	1	10/17/06	10/18/06	0.1	U	
Lead	6010B	1.0	1	10/17/06	10/18/06	1.0	U	
Nickel	6010B	0.2	1	10/17/06	10/18/06	0.2	U	
Zinc	6010B	0.1	1	10/17/06	10/18/06	0.1	U	

% Solids: 100.0

Comments:

Simultaneously Extractable Metals
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Cadmium	1250	1240	99	500	491	98	491	98	6010B
Copper	625	619	99	500	492	98	500	100	6010B
Lead	2500	2440	98	500	486	97	469	94	6010B
Nickel	1250	1220	98	500	489	98	484	97	6010B
Zinc	1250	1230	98	500	490	98	491	98	6010B

Simultaneously Extractable Metals
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Cadmium				5.0	4.31	86		
Copper				10	11.0	110		
Lead				50	53.6	107		
Nickel				20	21.4	107		
Zinc				10	8.83	88		

Simultaneously Extractable Metals
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Cadmium	5.0	U	5.0	U	5.0	U								6010B
Copper	10.0	U	10.0	U	10.0	U								6010B
Lead	100	U	100	U	100	U								6010B
Nickel	20.0	U	20.0	U	20.0	U								6010B
Zinc	10.0	U	10.0	U	10.0	U								6010B

Simultaneously Extractable Metals

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Cadmium		1000	-0.5	922	92			
Copper		500	-26.5	448	90			
Lead		1000	0.6	888	89			
Nickel		1000	-3.4	889	89			
Zinc		1000	5.2	896	90			

Simultaneously Extractable Metals

- 5a -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Service Request: K0608882
Units: mg/kg
Basis: Dry
% Solids: 76.6

Sample Name: SCIT13S
Lab Code: K0608882-020S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Cadmium	75 - 125	31.5		0.1	U	33.4	94		6010B
Copper	75 - 125	57.1		40.5		16.7	99		6010B
Lead	75 - 125	59.9		2.7	U	66.8	90		6010B
Nickel	75 - 125	30.9		0.9		33.4	90		6010B
Zinc	75 - 125	37.6		7.4		33.4	90		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

Simultaneously Extractable Metals

- 6 -

DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SOIL

Service Request: K0608882
Units: mg/kg
Basis: Dry
% Solids: 76.6

Sample Name: SCIT13D
Lab Code: K0608882-020D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Cadmium		0.1	B	0.1	B	10		6010B
Copper	30	40.5		35.2		14		6010B
Lead		2.7	U	2.1	U			6010B
Nickel		0.9		0.9		4		6010B
Zinc	30	7.4		7.3		2		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

Form VI - IN

Simultaneously Extractable Metals

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous ug/L			Solid (mg/kg)					
	True	Found	%R	True	Found	C	Limits		%R
Cadmium	1250	1280	102						
Copper	625	622	100						
Lead	2500	2420	97						
Nickel	1250	1230	98						
Zinc	1250	1270	102						

Simultaneously Extractable Metals

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ICP SERIAL DILUTIONS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Sample Name: SCIT13L

Lab Code: K0608882-020L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Cadmium	5.00	U	25.0	U			6010B
Copper	1510		1530		1		6010B
Lead	100	U	500	U			6010B
Nickel	34.3		100	U			6010B
Zinc	277		295		7		6010B

Simultaneously Extractable Metals
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: TJA Iris ICP

GFAA ID #:

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)		Method
Cadmium	226.50		5.0		6010B
Copper	324.75		10.0		6010B
Lead	220.35		100		6010B
Nickel	231.60		20.0		6010B
Zinc	206.20		10.0		6010B

Comments:

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Cr
Aluminum	237.3	0.0000000	0.0000000	0.0014400	0.0000000	-0.0016900
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0132000
Arsenic	189.0	0.0000000	0.0000000	-0.0001370	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	-0.0011600	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000750	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000120	0.0000000	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000220	0.0000000	-0.0002340
Copper	324.7	0.0000000	0.0000000	-0.0000140	0.0000000	-0.0000840
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	-0.0004900	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000650	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0009800
Potassium	766.4	0.0000000	0.0000000	-0.0009730	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000	0.0000000	-0.0001200
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000280	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000920
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	-0.0011900

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Interelement Correction Factors for: Mo	Ni	Ti	V	Co
Aluminum	237.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	-0.0227000	0.0000000	0.0003300	0.0000000	0.0000000
Arsenic	189.0	0.0006800	0.0000000	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000	-0.0005700	0.0000000
Beryllium	313.0	0.0000000	0.0000000	-0.0000150	0.0017400	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000240	0.0000000	0.0000490	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	-0.0180000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	-0.0001350	0.0000000
Cobalt	228.6	-0.0001300	0.0000000	0.0014000	0.0000000	0.0000000
Copper	324.7	0.0003200	0.0000000	0.0000000	-0.0005100	0.0000000
Iron	259.9	-0.0004400	0.0000000	0.0000000	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000	-0.2140000	0.0950000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000	0.0000000	0.3410000
Magnesium	285.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	-0.0003000	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	-0.0003500	0.0000000	-0.0010000	-0.0001700	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0005600	-0.0001100	-0.0002300	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0017000	0.0008000	0.0063000
Tin	189.9	0.0000000	0.0000000	-0.0033000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000	0.0003400	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Columbia Analytical Services,Inc.

METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

ICP ID Number : ICP IRIS

Analyte	Wave-length (nm)	Mn	P	C
Aluminum	237.3	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000
Arsenic	189.0	0.0000000	0.0000000	0.0000000
Barium	233.5	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000
Boron	249.7	0.0000000	0.0000000	0.0000000
Cadmium	226.5	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000
Calcium	318.1	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0003400	0.0000420	0.0000000
Cobalt	228.6	0.0000000	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000
Iron	259.9	-0.0003300	0.0000000	0.0000000
Iron	271.4	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000
Magnesium	202.5	0.0000000	0.0000000	0.0000000
Magnesium	285.2	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	0.0000000
Phosphorous	178.2	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	0.0000000
Silicon	251.6	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0000000
Sodium	589.5	0.0000000	0.0000000	0.0000000
Sulfur	182.0	0.0000000	0.0000000	0.0000000
Strontium	346.4	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	0.0000000
Titanium	323.4	0.0000000	0.0000000	0.0000000
Vanadium	310.2	0.0000000	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000000

Simultaneously Extractable Metals

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA Iris ICP

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Cadmium	5.00	18000.0	6010B
Copper	5.00	90000.0	6010B
Lead	5.00	180000.0	6010B
Nickel	5.00	90000.0	6010B
Zinc	15.00	180000.0	6010B

Comments:

Simultaneously Extractable Metals
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/17/06	AVS-SEM	50	50
K0608882-MB	10/17/06	AVS-SEM	10.0	100
K0608882-020	10/17/06	AVS-SEM	4.89	100
K0608882-020D	10/17/06	AVS-SEM	6.09	100
K0608882-020S	10/17/06	AVS-SEM	4.89	100

Simultaneously Extractable Metals

- 14 -

ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA Iris ICP

Method: P

Start Date: 10/18/06

End Date: 10/18/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-BLANK	1.00	12:37							X				X		X				X							X	
CAL-STDA	1.00	12:42							X				X		X				X							X	
CAL-STDB	1.00	12:48																									
ICV	1.00	12:53							X				X		X				X							X	
ZZZZZZ	1.00	12:58																									
ZZZZZZ	1.00	13:02																									
ICB	1.00	13:07							X				X		X				X							X	
CCV1	1.00	13:10							X				X		X				X							X	
ZZZZZZ	1.00	13:14																									
CCB1	1.00	13:20							X				X		X				X							X	
CRI	1.00	13:42							X				X		X				X							X	
ICSA	1.00	13:51							X				X		X				X							X	
ICSAB	1.00	13:54							X				X		X				X							X	
K0608882-MB	1.00	14:01							X				X		X				X							X	
LCSW	1.00	14:04							X				X		X				X							X	
K0608882-020	1.00	14:07							X				X		X				X							X	
K0608882-020D	1.00	14:09							X				X		X				X							X	
K0608882-020S	1.00	14:12							X				X		X				X							X	
K0608882-020L	5.00	14:15							X				X		X				X							X	
ZZZZZZ	1.00	14:22																									
CCV2	1.00	14:25							X				X		X				X							X	
ZZZZZZ	1.00	14:28																									
CCB2	1.00	14:31							X				X		X				X							X	

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

COLUMBIA ANALYTICAL SERVICES, INC.

Work Order #.: K8882

Method: EPA Draft, Aug. 1991 Methylene Blue Colorimetric

Analysis: AVS/SEM

Date Prepared	Sample Name Lab Code	Initial Wt./Vol. (g) or (ml)	AVS - Final Volume (mL)	mLs 50% HCl added	SEM - Final Volume (mL)	Sample description:
10/17/06	MB	50ml	40ml	10ml	100ml	
	LCS	10.023				
	K8882-20	4.885				mud, sand, big rocks, shells
	-20d	6.095				
	-20ms	5.765				
	-20msd	6.270				

LCS 1 = % REC =

LCS 2 = % REC =

Spike = % REC =

Spike Dup.= % REC =

x =

STD ID# = RPD =

Prepared By: SAH		Date Prepared: 10/17/06 0720	
Analyzes By:		Date Analyzed:	
Reviewed By:		Date Reviewed:	

Method: INTSTD6C Sample Name: Blank Operator:
Comment:
Run Time: 10/18/06 12:37 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Line	237.312 {141}	206.833 {162}	189.042 {177}	233.527 {144}	313.042 {107}	249.773 {134}
Avg	.3990	.0526	.0076	-.0007	-.0001	10.96
Stddev	.0587	.0431	.0362	.0002	.0000	.15
%RSD	14.72	81.89	475.6	26.58	9.146	1.408
#1	.3575	.0831	.0333	-.0006	-.0001	11.07
#2	.4405	.0222	-.0180	-.0008	-.0001	10.85

Elem	Cd2265	Ca3179	Ca3181	Cr2677	Co2286	Cu3247
Line	226.502 {148}	317.933 {105}	318.128 {105}	267.716 {125}	228.616 {147}	324.754 {103}
Avg	.0001	-.0002	.0001	-.0003	.0001	.0194
Stddev	.0000	.0003	.0000	.0000	.0001	.0235
%RSD	17.38	118.2	23.85	17.84	125.2	121.2
#1	.0001	.0000	.0001	-.0002	.0002	.0360
#2	.0001	-.0004	.0001	-.0003	.0000	.0028

Elem	Fe2599	Fe2714	Pb2203	Mg2025	Mg2852	Mn2576
Line	259.940 {129}	271.441 {124}	220.353 {152}	202.582 {166}	285.213 {117}	257.610 {131}
Avg	-.0003	.0000	.0002	.2951	.0028	.0013
Stddev	.0001	.000	.0002	.0019	.0078	.0003
%RSD	21.84	155.5	113.7	.6504	283.2	22.05
#1	-.0003	-.0001	.0003	.2937	.0083	.0015
#2	-.0003	.0000	.0000	.2965	-.0028	.0011

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Line	202.030 {166}	231.604 {145}	766.490 { 44}	196.090 {171}	328.068 {102}	589.592 { 57}
Avg	.0003	-.0005	-.1754	-.0429	-.1301	.0025
Stddev	.0001	.0003	.6046	.0255	.0432	.0007
%RSD	20.61	52.78	344.7	59.32	33.21	30.18
#1	.0003	-.0007	-.6030	-.0610	-.0996	.0019
#2	.0002	-.0003	.2521	-.0249	-.1607	.0030

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234
Line	189.989 {176}	310.230 {108}	206.200 {163}	178.287 {188}	251.612 {134}	323.452 {104}
Avg	-.0003	.0068	.0008	.2743	.3242	.0057
Stddev	.0000	.0002	.0002	.0098	.0862	.0003
%RSD	12.20	3.285	19.75	3.558	26.58	4.408
#1	-.0003	.0069	.0010	.2674	.2633	.0055
#2	-.0002	.0066	.0007	.2812	.3851	.0059

Elem	Tl1908	Li6707	Sr4077	S_1820
Line	190.864 {176}	670.784 { 50}	407.771 { 82}	182.034 {184}
Avg	-.0001	-.0774	.0006	.6608
Stddev	.0002	.1957	.0007	.0273
%RSD	351.0	252.9	107.7	4.137
#1	.0001	-.2158	.0011	.6415
#2	-.0002	.0610	.0002	.6802

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	308.09
Stddev	1.25
%RSD	.40448
#1	307.21
#2	308.97

LM
10/18/6

Method: INTSTD6C Sample Name: STDA Operator:
Comment: ICP3-70-C
Run Time: 10/18/06 12:42 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Sb2068	As1890	B_2497	Cd2265	Ca3179	Cr2677
Line	206.833 {162}	189.042 {177}	249.773 {134}	226.502 {148}	317.933 {105}	267.716 {125}
Avg	3.443	3.288	45.40	.3025	.0603	.0888
Stddev	.057	.010	.08	.0007	.0003	.0003
%RSD	1.645	.3037	.1669	.2190	.4489	.3200
#1	3.483	3.281	45.45	.3021	.0601	.0886
#2	3.403	3.295	45.34	.3030	.0605	.0890

Elem	Co2286	Cu3247	Fe2599	Pb2203	Mg2852	Mn2576
Line	228.616 {147}	324.754 {103}	259.940 {129}	220.353 {152}	285.213 {117}	257.610 {131}
Avg	.1574	24.01	.2749	.0211	92.27	1.004
Stddev	.0003	.06	.0006	.0003	.12	.007
%RSD	.2070	.2373	.2325	1.549	.1259	.7160
#1	.1571	24.05	.2744	.0209	92.35	.9986
#2	.1576	23.97	.2754	.0214	92.19	1.009

Elem	Mo2020	Ni2316	Se1960	Ag3280	Sn1899	V_3102
Line	202.030 {166}	231.604 {145}	196.090 {171}	328.068 {102}	189.989 {176}	310.230 {108}
Avg	.0561	.1483	2.929	26.95	.0183	.1461
Stddev	.0004	.0006	.035	.10	.0000	.0003
%RSD	.6977	.3914	1.210	.3866	.1574	.1796
#1	.0558	.1479	2.904	27.02	.0183	.1459
#2	.0563	.1487	2.954	26.87	.0182	.1462

Elem	Zn2062	Ti3234	Tl1908
Line	206.200 {163}	323.452 {104}	190.864 {176}
Avg	.2139	.1624	.0074
Stddev	.0011	.0001	.0001
%RSD	.5287	.0661	1.501
#1	.2131	.1623	.0073
#2	.2147	.1625	.0075

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	320.43
Stddev	.82
%RSD	.25573
#1	321.01
#2	319.85

Method: INTSTD6C Sample Name: STDB Operator:
Comment: ICP3-69-E
Run Time: 10/18/06 12:48 Type: Std Mode: IR Corr.Fact: 1.000000

Elem	Al2373	Ba2335	Be3130	Ca3181	Fe2714	Mg2025
Line	237.312 {141}	233.527 {144}	313.042 {107}	318.128 {105}	271.441 {124}	202.582 {166}
Avg	14.07	2.254	.5016	.3769	.6026	49.64
Stddev	.09	.019	.0013	.0017	.0013	.06
%RSD	.6129	.8305	.2548	.4505	.2207	.1166
#1	14.13	2.268	.5025	.3781	.6035	49.68
#2	14.01	2.241	.5007	.3757	.6016	49.59

Elem	K_7664	Na5895	P_1782	Si2516	Li6707	Sr4077
Line	766.490 { 44}	589.592 { 57}	178.287 {188}	251.612 {134}	670.784 { 50}	407.771 { 82}
Avg	179.4	1.997	9.089	98.32	233.9	5.591
Stddev	.5	.008	.027	.33	.5	.011
%RSD	.2884	.4177	.2927	.3406	.2107	.1951
#1	179.8	2.003	9.070	98.55	234.3	5.599
#2	179.1	1.991	9.108	98.08	233.6	5.584

Elem	S_1820
Line	182.034 {184}
Avg	9.804
Stddev	.017
%RSD	.1715
#1	9.816
#2	9.792

Int. Std.	Sc3572
Line	357.253 { 94}
Avg	315.25
Stddev	.48
%RSD	.15082
#1	314.92
#2	315.59

Method: INTSTD6C Sample Name: ICV Operator: WM
Comment: 68226 ICP3-73-F
Run Time: 10/18/06 12:53 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.986	2.497	2.493	5.073	.1253	-.1105	1.243
Stddev	.066	.015	.022	.057	.0006	.0065	.005
%RSD	1.321	.6013	.8983	1.114	.4913	5.861	.4455
#1	4.939	2.508	2.477	5.113	.1257	-.1059	1.247
#2	5.033	2.486	2.509	5.033	.1248	-.1151	1.239
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	None	QC Pass
Value	5.000	2.500	2.500	5.000	.1250		1.250
Range	5.000%	5.000%	5.000%	5.000%	5.000%		5.000%

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.59	.4981	1.238	.6188	2.542	2.436	12.07
Stddev	.06	.0080	.007	.0057	.017	.026	.01
%RSD	.4439	1.600	.5362	.9207	.6501	1.084	.1090
#1	12.63	.5037	1.243	.6147	2.554	2.455	12.08
#2	12.55	.4924	1.233	.6228	2.530	2.418	12.06
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	12.50	.5000	1.250	.6250	2.500	2.500	12.50
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.246	2.036	1.225	11.93	2.458	.6177	12.49
Stddev	.006	.008	.006	.00	.012	.0007	.12
%RSD	.4652	.3867	.4776	.0249	.4813	.1099	.9203
#1	1.250	2.041	1.229	11.93	2.449	.6182	12.57
#2	1.242	2.030	1.221	11.93	2.466	.6172	12.41
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	1.250	2.000	1.250	12.50	2.500	.6250	12.50
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0218	1.236	1.228	.1258	.0854	2.059	2.462
Stddev	.0014	.008	.006	.0150	.0015	.014	.022
%RSD	6.632	.6752	.4840	11.92	1.701	.6736	.8920
#1	.0208	1.242	1.232	.1152	.0865	2.069	2.447
#2	.0228	1.230	1.223	.1364	.0844	2.049	2.478
Check ?	None	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value		1.250	1.250			2.000	2.500
Range		5.000%	5.000%			5.000%	5.000%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0003	.0054	.3032
Stddev	.0011	.0000	.0182
%RSD	424.1	.7630	6.007
#1	-.0010	.0054	.2903
#2	.0005	.0054	.3160
Check ?	None	None	None
Value			
Range			

Sample Name: ICV Run Time: 10/18/06 12:53

Int. Std.	Sc3572
Units	Cts/S
Avg	318.12
Stddev	1.76
%RSD	.55237
#1	316.88
#2	319.36

Method: INTSTD6C Sample Name: ICV2 Operator: WM
Comment: 68226 ICP3-69-D
Run Time: 10/18/06 12:58 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0190	.0168	-.0048	-.0007	.0000	-.1854	.0004
Stddev	.0012	.0075	.0018	.0003	.000	.0060	.0002
%RSD	6.500	44.74	36.81	45.61	56.11	3.224	41.11
#1	.0199	.0221	-.0061	-.0005	.0000	-.1812	.0003
#2	.0182	.0115	-.0036	-.0010	.0000	-.1897	.0005
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.018	-.0019	-.0014	-.0049	25.35	-.0091	25.02
Stddev	.006	.0000	.0015	.0013	.14	.0104	.02
%RSD	.1134	1.792	104.5	26.87	.5349	114.4	.0865
#1	5.013	-.0019	-.0025	-.0058	25.45	-.0017	25.01
#2	5.022	-.0019	-.0004	-.0040	25.26	-.0164	25.04
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	5.000				25.00		25.00
Range	5.000%				5.000%		5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0016	-.0019	-.0268	-.0145	.0004	-.0297
Stddev	.0002	.0010	.0006	.0057	.0040	.0003	.0025
%RSD	31.43	64.26	29.12	21.43	27.35	69.27	8.388
#1	.0005	.0023	-.0015	-.0227	-.0117	.0006	-.0279
#2	.0008	.0009	-.0023	-.0308	-.0173	.0002	-.0315
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	-.0035	-.0004	.0202	.0439	-.0009	-.0365
Stddev	.0000	.0030	.0006	.0161	.0038	.0013	.0109
%RSD	.3611	87.01	162.1	79.86	8.643	147.8	29.73
#1	.0019	-.0056	-.0008	.0316	.0466	-.0019	-.0289
#2	.0020	-.0013	.0001	.0088	.0412	.0000	-.0442
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0008	.0022	4.801
Stddev	.0012	.0000	.041
%RSD	154.4	.3699	.8491
#1	-.0016	.0022	4.830
#2	.0001	.0022	4.772
Check ?	None	None	QC Pass
Value			5.000
Range			5.000%

Sample Name: ICV2 Run Time: 10/18/06 12:58

Int. Std.	Sc3572
Units	Cts/S
Avg	314.66
Stddev	.08
%RSD	.02485
#1	314.60
#2	314.71

Method: INTSTD6C Sample Name: ICV3 Operator: WM
Comment: 68226 ICP3-70-G
Run Time: 10/18/06 13:02 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0133	-.0036	.0004	.0000	4.981	.0001
Stddev	.0114	.0063	.0012	.0002	.000	.013	.0006
%RSD	501.8	47.41	33.30	44.81	140.4	.2539	756.4
#1	.0104	.0089	-.0027	.0005	-.0001	4.972	-.0003
#2	-.0058	.0178	-.0044	.0002	.0000	4.990	.0005
Check ?	None	None	None	None	None	QC Pass	None
Value						5.000	
Range						5.000%	

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0118	.0017	-.0010	.0024	.0079	.0015	.0013
Stddev	.0006	.0008	.0008	.0056	.0004	.0056	.0029
%RSD	5.284	46.09	83.03	238.2	5.243	367.6	224.2
#1	.0114	.0022	-.0004	-.0016	.0082	-.0024	-.0007
#2	.0123	.0011	-.0016	.0063	.0076	.0055	.0033
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	-.0022	.0011	.0360	.0051	-.0013	13.96
Stddev	.0001	.0009	.0019	.0276	.0079	.0030	.02
%RSD	51.44	40.54	182.2	76.79	154.5	232.0	.1475
#1	.0001	-.0015	.0024	.0556	-.0005	.0008	13.94
#2	.0002	-.0028	-.0003	.0165	.0107	-.0034	13.97
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.897	-.0051	-.0015	4.834	Q 4.741	-.0019	-.0267
Stddev	.033	.0012	.0002	.001	.010	.0003	.0059
%RSD	.6687	22.87	14.12	.0293	.2053	17.01	21.93
#1	4.874	-.0042	-.0014	4.833	4.734	-.0017	-.0226
#2	4.920	-.0059	-.0017	4.835	4.748	-.0022	-.0309
Check ?	QC Pass	None	None	QC Pass	QC Fail	None	None
Value	5.000			5.000	5.000		
Range	5.000%			5.000%	5.000%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	4.992	.9748	-.0327
Stddev	.001	.0028	.0037
%RSD	.0183	.2893	11.31
#1	4.991	.9728	-.0301
#2	4.992	.9768	-.0353
Check ?	QC Pass	QC Pass	None
Value	5.000	1.000	
Range	5.000%	5.000%	

Sample Name: ICV3 Run Time: 10/18/06 13:02

Int. Std.	Sc3572
Units	Cts/S
Avg	317.87
Stddev	.56
%RSD	.17727
#1	318.27
#2	317.47

Method: INTSTD6C Sample Name: ICB Operator: WM
Comment: 68226
Run Time: 10/18/06 13:07 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0274	.0045	-.0015	-.0004	.0000	L -.1674	-.0005
Stddev	.0129	.0086	.0131	.0002	.000	.0031	.0002
%RSD	46.95	192.3	888.0	41.18	103.3	1.844	38.00
#1	-.0365	-.0016	-.0108	-.0005	-.0001	-.1652	-.0004
#2	-.0183	.0106	.0078	-.0003	.0000	-.1695	-.0007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0040	-.0031	-.0015	-.0004	.0003	.0009	.0158
Stddev	.0091	.0025	.0014	.0010	.0010	.0003	.0216
%RSD	227.1	82.59	87.68	211.8	285.0	36.90	137.0
#1	-.0024	-.0013	-.0025	-.0011	-.0003	.0012	.0311
#2	.0104	-.0048	-.0006	.0002	.0010	.0007	.0005
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	L -.0239	.0016	.0000	-.0003	.0009	.0673
Stddev	.0101	.0161	.0002	.0002	.0016	.0010	.0675
%RSD	6779.	67.26	12.84	1790.	457.7	109.2	100.4
#1	-.0070	-.0125	.0018	.0002	-.0015	.0016	.0195
#2	.0073	-.0352	.0015	-.0001	.0008	.0002	.1150
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0014	-.0073	-.0115	.0043	-.0055	.0000	.0208
Stddev	.0040	.0015	.0011	.0063	.0016	.0002	.0228
%RSD	281.9	20.80	9.451	146.6	28.99	1028.	109.7
#1	-.0014	-.0062	-.0107	.0087	-.0067	.0002	.0369
#2	.0042	-.0084	-.0122	-.0002	-.0044	-.0001	.0047
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0247	.0002	-.0402	.0004	.0000	-.0171
Stddev	.0015	.0016	.0068	.0014	.0001	.0016
%RSD	6.000	867.8	16.96	345.2	137.9	9.529
#1	.0236	.0013	-.0451	-.0006	.0000	-.0160
#2	.0257	-.0010	-.0354	.0014	.0001	-.0183
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: ICB Run Time: 10/18/06 13:07

Int. Std.	Sc3572
Units	Cts/S
Avg	309.58
Stddev	.23
%RSD	.07530
#1	309.41
#2	309.74

Method: INTSTD6C Sample Name: CCVA1 Operator: WM
Comment: 68226
Run Time: 10/18/06 13:10 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5036	.4849	.4781	.4728	.5143	Q .3289	.4905
Stddev	.0659	.0078	.0143	.0031	.0026	.0041	.0034
%RSD	13.08	1.614	2.997	.6530	.5060	1.246	.6981
#1	.4187	.4765	.4974	.4694	.5149	.3341	.4871
#2	.5696	.4909	.4806	.4714	.5105	.3298	.4889
#3	.4879	.4922	.4663	.4766	.5164	.3272	.4951
#4	.5384	.4799	.4683	.4736	.5155	.3244	.4910
Check ?	None	QC Pass	QC Pass	None	None	QC Fail	QC Pass
Value		.5000	.5000			.5000	.5000
Range		5.000%	5.000%			5.000%	5.000%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5142	.4915	.4906	.4921	.4949	.4861	2.464
Stddev	.0050	.0032	.0016	.0027	.0038	.0037	.012
%RSD	.9682	.6558	.3261	.5499	.7599	.7661	.4760
#1	.5216	.4886	.4895	.4895	.4935	.4814	2.458
#2	.5107	.4894	.4902	.4913	.4922	.4863	2.477
#3	.5124	.4957	.4929	.4959	.5005	.4863	2.450
#4	.5120	.4925	.4896	.4917	.4934	.4905	2.469
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%	5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4781	.4884	.4886	4.893	Q .4646	.4915	.5488
Stddev	.0029	.0038	.0034	.026	.0084	.0018	.0033
%RSD	.6062	.7705	.7049	.5302	1.818	.3583	.6038
#1	.4759	.4851	.4902	4.916	.4583	.4937	.5469
#2	.4761	.4853	.4851	4.900	.4607	.4922	.5467
#3	.4821	.4923	.4927	4.856	.4622	.4904	.5478
#4	.4783	.4910	.4865	4.899	.4770	.4898	.5537
Check ?	QC Pass	QC Pass	QC Pass	None	QC Fail	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	5.000%	5.000%	5.000%		5.000%	5.000%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4919	.4903	.4896	.0025	.2834	.4938	Q .4746
Stddev	.0046	.0048	.0039	.0064	.0082	.0037	.0138
%RSD	.9437	.9879	.8061	256.3	2.878	.7436	2.910
#1	.4877	.4928	.4871	.0075	.2834	.4911	.4781
#2	.4934	.4841	.4877	-.0057	.2949	.4903	.4653
#3	.4978	.4953	.4955	.0076	.2781	.4979	.4925
#4	.4889	.4893	.4882	.0005	.2772	.4958	.4623
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Fail
Value	.5000	.5000	.5000			.5000	.5000
Range	5.000%	5.000%	5.000%			5.000%	5.000%

Sample Name: CCVA1 Run Time: 10/18/06 13:10

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0016	.0003	-.0348
Stddev	.0015	.0001	.0070
%RSD	95.53	17.17	20.07
#1	.0016	.0004	-.0340
#2	.0003	.0003	-.0420
#3	.0006	.0003	-.0256
#4	.0036	.0003	-.0378
Check ?	None	None	None
Value			
Range			

Int. Std.	Sc3572
Units	Cts/S
Avg	315.05
Stddev	2.11
%RSD	.66877
#1	315.68
#2	317.55
#3	312.54
#4	314.44

Method: INTSTD6C Sample Name: CCVB1 Operator: WM
Comment: 68226
Run Time: 10/18/06 13:14 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.038	.0014	-.0106	2.428	.0487	-.2372	.0007
Stddev	.065	.0057	.0109	.018	.0002	.0041	.0003
%RSD	1.298	396.9	102.7	.7614	.3670	1.711	51.06
#1	5.093	-.0065	-.0236	2.456	.0490	-.2333	.0010
#2	4.949	.0066	-.0139	2.419	.0486	-.2343	.0003
#3	5.030	.0040	.0022	2.423	.0487	-.2393	.0005
#4	5.081	.0016	-.0071	2.416	.0486	-.2418	.0009
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	5.000%			5.000%	5.000%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	24.83	-.0009	-.0006	-.0040	23.95	-.0026	24.65
Stddev	.05	.0014	.0007	.0050	.16	.0039	.04
%RSD	.2120	151.0	108.1	122.5	.6549	148.1	.1800
#1	24.90	.0007	-.0001	.0016	24.09	-.0018	24.68
#2	24.80	-.0011	-.0007	-.0015	23.89	-.0081	24.59
#3	24.85	-.0006	-.0002	-.0069	24.06	-.0018	24.68
#4	24.78	-.0026	-.0016	-.0094	23.75	.0012	24.65
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	5.000%				5.000%		5.000%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	-.0003	.0001	Q 9.441	.0042	.0015	9.891
Stddev	.0003	.0027	.0008	.036	.0187	.0046	.028
%RSD	17.03	809.7	1267.	.3821	445.1	303.5	.2829
#1	.0013	-.0011	.0012	9.487	-.0238	.0072	9.927
#2	.0017	.0036	-.0004	9.452	.0135	.0032	9.868
#3	.0019	-.0023	-.0004	9.411	.0144	-.0010	9.901
#4	.0014	-.0016	-.0002	9.413	.0126	-.0033	9.870
Check ?	None	None	None	QC Fail	None	None	QC Pass
Value				10.00			10.00
Range				5.000%			5.000%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	-.0042	.0021	Q 2.643	2.424	-.0004	-.0303
Stddev	.0056	.0027	.0005	.012	.008	.0024	.0202
%RSD	472.8	65.28	24.32	.4499	.3468	667.4	66.76
#1	.0070	-.0067	.0023	2.647	2.432	.0026	-.0321
#2	-.0014	-.0009	.0018	2.629	2.415	.0006	-.0554
#3	-.0053	-.0030	.0026	2.657	2.430	-.0026	-.0275
#4	.0045	-.0062	.0015	2.639	2.419	-.0020	-.0061
Check ?	None	None	None	QC Fail	QC Pass	None	None
Value				2.500	2.500		
Range				5.000%	5.000%		

Sample Name: CCVB1 Run Time: 10/18/06 13:14

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4777	.4772	Q 2.638
Stddev	.0036	.0018	.046
%RSD	.7522	.3675	1.733
#1	.4805	.4794	2.582
#2	.4744	.4762	2.658
#3	.4748	.4776	2.623
#4	.4811	.4754	2.688
Check ?	QC Pass	QC Pass	QC Fail
Value	.5000	.5000	2.500
Range	5.000%	5.000%	5.000%

Int. Std.	Sc3572
Units	Cts/S
Avg	317.51
Stddev	1.56
%RSD	.49077
#1	316.97
#2	317.53
#3	315.92
#4	319.62

Method: INTSTD6C Sample Name: CCB1 Operator: WM
Comment: 68226
Run Time: 10/18/06 13:20 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0097	.0008	-.0058	-.0002	.0000	L -.2076	-.0002
Stddev	.0130	.0034	.0100	.0003	.0001	.0025	.0003
%RSD	133.6	418.1	172.8	154.3	184.4	1.215	156.7
#1	-.0082	.0016	.0006	.0002	.0000	-.2045	.0000
#2	.0080	-.0040	-.0099	-.0002	.0000	-.2076	-.0005
#3	-.0203	.0016	-.0180	-.0004	.0000	-.2075	.0001
#4	-.0185	.0041	.0040	-.0006	.0002	-.2107	-.0003
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	-.0228	-.0020	-.0003	-.0003	.0005	-.0038
Stddev	.0016	.0438	.0009	.0009	.0019	.0005	.0096
%RSD	82.39	191.8	45.55	311.4	582.8	90.68	250.4
#1	.0041	-.0505	-.0013	-.0012	-.0001	.0010	.0042
#2	.0006	.0376	-.0011	.0001	-.0028	.0001	-.0110
#3	.0024	-.0592	-.0027	.0007	-.0001	.0008	-.0132
#4	.0008	-.0192	-.0027	-.0007	.0017	.0001	.0047
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0049	L -.0428	-.0003	.0001	-.0009	.0002	.0586
Stddev	.0070	.0248	.0015	.0002	.0011	.0018	.0246
%RSD	142.9	57.84	446.5	257.9	118.4	885.3	41.97
#1	-.0076	-.0097	.0000	.0000	-.0009	-.0013	.0640
#2	-.0120	-.0632	-.0025	.0000	.0002	.0002	.0238
#3	.0046	-.0604	.0006	.0000	-.0024	.0027	.0646
#4	-.0046	-.0380	.0006	.0003	-.0006	-.0008	.0818
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0151	-.0011	-.0156	.0041	-.0053	-.0001	.0298
Stddev	.0073	.0053	.0092	.0008	.0006	.0006	.0096
%RSD	48.07	472.9	59.29	20.34	11.33	672.7	32.06
#1	-.0061	-.0068	-.0162	.0038	-.0052	.0006	.0235
#2	-.0163	.0014	-.0066	.0042	-.0054	-.0004	.0267
#3	-.0238	-.0041	-.0114	.0052	-.0060	-.0006	.0440
#4	-.0144	.0050	-.0282	.0032	-.0045	.0001	.0250
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Sample Name: CCB1 Run Time: 10/18/06 13:20

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0127	.0005	-.0204	-.0009	.0000	-.0096
Stddev	.0034	.0010	.0114	.0013	.0001	.0087
%RSD	26.69	211.2	55.89	144.4	116.2	91.03
#1	.0141	-.0010	-.0337	-.0017	.0000	-.0031
#2	.0147	.0011	-.0142	-.0017	.0001	-.0046
#3	.0143	.0008	-.0082	.0009	.0000	-.0083
#4	.0076	.0010	-.0254	-.0010	.0001	-.0222
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Int. Std.	Sc3572
Units	Cts/S
Avg	303.71
Stddev	.85
%RSD	.27954
#1	304.71
#2	304.12
#3	303.08
#4	302.93

Method: INTSTD6C Sample Name: CRI Operator: WM
Comment: 68226 ICP3-73-E
Run Time: 10/18/06 13:42 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0494	.0509	.0847	.0041	.0052	Q -.1752	.0043
Stddev	.0360	.0178	.0071	.0002	.0001	.0021	.0002
%RSD	72.76	34.91	8.418	4.517	1.491	1.174	3.643
#1	.0749	.0383	.0796	.0040	.0052	-.1738	.0042
#2	.0240	.0634	.0897	.0043	.0051	-.1767	.0044
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Fail	QC Pass
Value	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0672	.0057	.0104	.0110	.0225	.0536	.0161
Stddev	.0004	.0002	.0007	.0048	.0011	.0075	.0048
%RSD	.5341	2.935	6.438	43.68	4.713	13.94	29.59
#1	.0669	.0056	.0099	.0144	.0232	.0589	.0128
#2	.0674	.0058	.0109	.0076	.0218	.0483	.0195
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0050	.0100	.0100	.0200	.0500	.0200
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0093	.0214	1.978	.0778	.0079	.1139
Stddev	.0001	.0002	.0011	.024	.0079	.0009	.0010
%RSD	1.793	2.471	5.377	1.195	10.12	11.02	.8369
#1	.0051	.0095	.0222	1.995	.0722	.0073	.1146
#2	.0053	.0091	.0206	1.961	.0833	.0085	.1132
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0050	.0100	.0200	2.000	.1000	.0100	.1000
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0595	.0027	.0088	.1951	.1091	.0101	.0897
Stddev	.0045	.0009	.0001	.0018	.0024	.0003	.0080
%RSD	7.644	34.57	1.001	.9368	2.239	3.313	8.887
#1	.0563	.0020	.0089	.1963	.1073	.0099	.0954
#2	.0627	.0033	.0088	.1938	.1108	.0104	.0841
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.0500	.0100	.0100	.2000	.1000	.0100	.1000
Range	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0091	.0089	.0191
Stddev	.0002	.0000	.0089
%RSD	1.749	.3444	46.83
#1	.0092	.0089	.0127
#2	.0090	.0089	.0254
Check ?	QC Pass	QC Pass	QC Pass
Value	.0100	.0100	.0500
Range	100.0%	100.0%	100.0%

Sample Name: CRI Run Time: 10/18/06 13:42

Int. Std.	Sc3572
Units	Cts/S
Avg	303.54
Stddev	2.71
%RSD	.89297
#1	305.45
#2	301.62

Method: INTSTD6C Sample Name: ICSA Operator: WM
Comment: 68226 ICP3-65-G
Run Time: 10/18/06 13:51 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	503.4	.0569	-.0553	-.0030	.0002	-.6764	-.0005
Stddev	1.2	.0046	.0066	.0009	.0001	.0125	.0006
%RSD	.2331	8.124	11.95	30.35	26.15	1.841	118.3
#1	502.6	.0602	-.0600	-.0024	.0002	-.6676	-.0001
#2	504.3	.0536	-.0506	-.0037	.0003	-.6852	-.0009
Check ?	QC Pass	None	None	None	None	None	None
Value	500.0						
Range	20.00%						

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	509.5	-.0055	-.0036	-.0264	185.1	.0006	496.0
Stddev	1.7	.0018	.0007	.0006	.2	.0032	.7
%RSD	.3358	32.78	20.54	2.419	.1308	500.9	.1499
#1	510.7	-.0042	-.0030	-.0269	184.9	-.0016	495.4
#2	508.3	-.0067	-.0041	-.0260	185.3	.0029	496.5
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	500.0				200.0		500.0
Range	20.00%				20.00%		20.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0101	-.0044	-.0034	-.0231	-.0065	.0016	.0419
Stddev	.0000	.0022	.0011	.0014	.0125	.0027	.0143
%RSD	.4807	50.82	31.89	6.193	191.8	166.8	34.17
#1	.0101	-.0028	-.0041	-.0241	-.0154	.0036	.0318
#2	.0100	-.0060	-.0026	-.0221	.0023	-.0003	.0521
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0227	-.0070	.0052	.1403	.0805	.0119	-.1089
Stddev	.0036	.0016	.0005	.0039	.0017	.0040	.0051
%RSD	16.06	22.27	9.244	2.779	2.135	33.77	4.668
#1	-.0253	-.0059	.0056	.1431	.0793	.0091	-.1053
#2	-.0201	-.0081	.0049	.1376	.0817	.0148	-.1125
Check ?	None	None	None	None	None	None	None
Value							
Range							

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0148	.0444	-.1791
Stddev	.0012	.0000	.0166
%RSD	8.001	.0894	9.269
#1	.0139	.0444	-.1909
#2	.0156	.0445	-.1674
Check ?	None	None	None
Value			
Range			

Sample Name: ICSA Run Time: 10/18/06 13:51

Int. Std.	Sc3572
Units	Cts/S
Avg	296.50
Stddev	.57
%RSD	.19173
#1	296.10
#2	296.90

Method: INTSTD6C Sample Name: ICSAB Operator: WM
Comment: 68226 ICP3-64-F
Run Time: 10/18/06 13:54 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	510.0	.9909	-.0582	.4613	.5248	-.7019	.9220
Stddev	4.5	.0113	.0013	.0051	.0007	.0122	.0079
%RSD	.8788	1.141	2.170	1.098	.1327	1.744	.8524
#1	506.8	.9829	-.0573	.4578	.5243	-.6933	.9164
#2	513.2	.9989	-.0591	.4649	.5252	-.7106	.9275
Check ?	QC Pass	QC Pass	None	QC Pass	QC Pass	None	QC Pass
Value	500.0	1.000		.5000	.5000		1.000
Range	20.00%	20.00%		20.00%	20.00%		20.00%

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	517.5	.4754	.4487	.4479	187.6	.8884	505.6
Stddev	.1	.0096	.0051	.0003	2.0	.0063	2.2
%RSD	.0155	2.029	1.128	.0775	1.047	.7081	.4445
#1	517.4	.4685	.4452	.4481	186.3	.8839	504.0
#2	517.6	.4822	.4523	.4476	189.0	.8928	507.2
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	500.0	.5000	.5000	.5000	200.0	1.000	500.0
Range	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%	20.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4726	-.0030	.8890	-.0604	-.0036	.9384	.0492
Stddev	.0079	.0016	.0111	.0021	.0026	.0007	.0061
%RSD	1.662	54.66	1.248	3.520	73.18	.0712	12.31
#1	.4671	-.0042	.8811	-.0619	-.0017	.9379	.0535
#2	.4782	-.0019	.8968	-.0589	-.0054	.9389	.0449
Check ?	QC Pass	None	QC Pass	None	None	QC Pass	None
Value	.5000		1.000			1.000	
Range	20.00%		20.00%			20.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0207	.4930	.8956	.1290	.0798	.0091	-.1191
Stddev	.0021	.0007	.0090	.0106	.0045	.0040	.0042
%RSD	10.06	.1365	1.001	8.187	5.612	44.45	3.534
#1	-.0221	.4935	.8893	.1364	.0830	.0062	-.1221
#2	-.0192	.4925	.9019	.1215	.0767	.0120	-.1161
Check ?	None	QC Pass	QC Pass	None	None	None	None
Value		.5000	1.000				
Range		20.00%	20.00%				

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0122	.0432	-.1644
Stddev	.0026	.0005	.0021
%RSD	21.26	1.053	1.307
#1	.0104	.0435	-.1628
#2	.0140	.0429	-.1659
Check ?	None	None	None
Value			
Range			

Sample Name: ICSAB Run Time: 10/18/06 13:54

Int. Std.	Sc3572
Units	Cts/S
Avg	298.60
Stddev	.45
%RSD	.15147
#1	298.92
#2	298.28

Method: INTSTD6C Sample Name: PBW Operator: WM
Comment: 68226 K0608882 SEM
Run Time: 10/18/06 14:01 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0261	.0110	-.0036	.0012	.0001	-.2500	-.0003
#1	-.0203	.0121	.0044	.0014	.0001	-.2479	-.0005
#2	.0726	.0098	-.0116	.0010	.0001	-.2520	-.0001

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1557	-.0020	.0000	-.0012	.0185	-.0028	.0196
#1	.1571	-.0019	.0000	-.0018	.0185	.0008	.0215
#2	.1542	-.0020	.0000	-.0006	.0186	-.0063	.0177

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0002	.0009	.0399	-.0177	.0051	2.352
#1	.0001	-.0031	.0008	.0646	-.0135	.0086	2.354
#2	-.0002	.0026	.0010	.0152	-.0219	.0016	2.351

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	-.0077	.0063	.0305	.0646	-.0028	-.0273
#1	.0045	-.0036	.0065	.0400	.0901	-.0008	-.0232
#2	.0028	-.0119	.0062	.0210	.0391	-.0048	-.0314

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0007	-.0003	.0324
#1	-.0010	-.0003	.0477
#2	-.0005	-.0004	.0170

Int. Std.	Sc3572
Units	Cts/S
Avg	312.29
#1	311.66
#2	312.93

Method: INTSTD6C Sample Name: LCSW Operator: WM
Comment: 68226 K0608882 SEM
Run Time: 10/18/06 14:04 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.227	.0039	2.540	5.200	.1251	-.2582	1.276
#1	5.215	.0068	2.542	5.175	.1246	-.2552	1.275
#2	5.239	.0010	2.537	5.224	.1255	-.2612	1.277

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.77	.5095	1.242	.6218	2.527	2.421	12.10
#1	12.76	.5067	1.235	.6196	2.508	2.410	12.15
#2	12.78	.5123	1.249	.6240	2.546	2.433	12.05

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.302	-.0031	1.234	11.85	2.436	.6106	12.95
#1	1.294	-.0026	1.228	11.91	2.410	.6109	12.92
#2	1.311	-.0036	1.239	11.79	2.462	.6104	12.98

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	1.240	1.268	.1274	.0414	-.0013	2.524
#1	.0043	1.240	1.261	.1168	.0278	-.0001	2.492
#2	.0064	1.240	1.274	.1380	.0549	-.0025	2.555

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0002	.0052	.2755
#1	.0004	.0052	.2562
#2	.0001	.0053	.2948

Int. Std.	Sc3572
Units	Cts/S
Avg	312.97
#1	314.30
#2	311.63

LCSW = 0.05 ml of
CLP-CV-1 MET1-52-A
CICV-3 Met1-51-U
diluted to 10 ml

ur
10/18/6

Method: INTSTD6C Sample Name: K0608882-020 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 14:07 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	32.72	.0332	-.0085	.1583	.0015	-.1037	.0042
#1	32.60	.0251	-.0085	.1574	.0015	-.1012	.0050
#2	32.84	.0413	-.0085	.1593	.0015	-.1063	.0035

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1325.	.0426	.0216	1.514	51.47	.0113	38.84
#1	1319.	.0418	.0217	1.506	51.19	.0063	38.71
#2	1331.	.0435	.0215	1.522	51.76	.0163	38.97

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7920	.0004	.0343	11.17	.0289	.0043	114.5
#1	.7916	.0012	.0353	11.14	.0135	.0048	113.7
#2	.7924	-.0004	.0332	11.20	.0443	.0037	115.4

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0038	.2021	.2765	17.69	20.63	.4561	-.0547
#1	-.0059	.2006	.2748	17.74	20.60	.4529	-.0545
#2	-.0018	.2037	.2782	17.64	20.67	.4593	-.0549

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1121	7.368	13.72
#1	.1121	7.314	13.67
#2	.1121	7.422	13.77

Int. Std.	Sc3572
Units	Cts/S
Avg	301.40
#1	302.44
#2	300.36

Method: INTSTD6C Sample Name: K0608882-020D Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 14:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	40.18	.0332	-.0073	.1610	.0019	-.0305	.0059
#1	40.11	.0212	-.0040	.1601	.0020	-.0289	.0055
#2	40.25	.0453	-.0107	.1619	.0019	-.0322	.0062

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1536.	.0478	.0262	1.643	64.97	.0118	48.82
#1	1540.	.0469	.0268	1.652	64.86	.0082	48.77
#2	1533.	.0488	.0257	1.634	65.07	.0155	48.87

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.039	.0040	.0413	14.92	.0005	-.0027	151.5
#1	1.038	.0086	.0406	14.92	.0098	-.0036	151.6
#2	1.041	-.0005	.0420	14.91	-.0088	-.0018	151.4

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0121	.2584	.3393	26.23	24.84	.5099	-.1547
#1	-.0067	.2557	.3376	26.12	24.83	.5074	-.1471
#2	-.0174	.2610	.3411	26.34	24.86	.5124	-.1623

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1379	8.296	18.11
#1	.1380	8.270	18.02
#2	.1377	8.323	18.20

Int. Std.	Sc3572
Units	Cts/S
Avg	299.02
#1	299.28
#2	298.76

Method: INTSTD6C Sample Name: K0608882-020S Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 14:12 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	38.08	.0388	2.402	4.994	.1223	-.1154	1.179
#1	38.17	.0328	2.387	4.994	.1220	-.1131	1.172
#2	37.99	.0448	2.418	4.994	.1227	-.1178	1.185

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1332.	.5237	1.164	2.137	55.04	2.243	51.21
#1	1328.	.5215	1.161	2.134	54.87	2.240	51.43
#2	1336.	.5259	1.167	2.139	55.22	2.246	51.00

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.051	.0046	1.157	23.77	2.278	.5761	126.2
#1	2.045	.0047	1.153	23.89	2.285	.5779	125.8
#2	2.056	.0045	1.161	23.64	2.271	.5743	126.6

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0078	1.426	1.408	17.87	20.96	.4649	2.278
#1	-.0097	1.424	1.400	17.78	21.01	.4604	2.275
#2	-.0059	1.429	1.415	17.97	20.92	.4693	2.280

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1129	7.334	13.69
#1	.1137	7.316	13.73
#2	.1121	7.351	13.65

Int. Std.	Sc3572
Units	Cts/S
Avg	299.90
#1	301.46
#2	298.33

Spike = 0.05 ml of
CCP-CU-1 MET-52-A
CICU-3 METI-51-U w/ 9.9 ml
diluted to 10 ml
of K0608882-020
m
10/18/06

Method: INTSTD6C Sample Name: K0608882-020L Operator: WM
Comment: 68226 SEM 1/5 DILUTION
Run Time: 10/18/06 14:15 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	6.676	.0133	-.0010	.0319	.0003	-.2386	.0008
#1	6.668	.0242	.0015	.0326	.0003	-.2389	.0009
#2	6.683	.0023	-.0036	.0313	.0003	-.2384	.0007

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	281.7	.0063	.0045	.3059	10.81	.0056	7.762
#1	282.3	.0059	.0041	.3022	10.86	.0040	7.783
#2	281.0	.0068	.0049	.3096	10.76	.0072	7.741

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1573	-.0001	.0086	2.340	-.0112	.0000	22.78
#1	.1577	-.0010	.0089	2.329	-.0163	.0013	22.84
#2	.1568	.0008	.0082	2.351	-.0061	-.0013	22.73

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0036	.0331	.0590	3.622	3.993	.0911	-.0252
#1	-.0053	.0349	.0601	3.627	4.014	.0906	-.0258
#2	-.0019	.0313	.0579	3.617	3.972	.0916	-.0246

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0230	1.604	2.776
#1	.0223	1.610	2.799
#2	.0237	1.599	2.754

Int. Std.	Sc3572
Units	Cts/S
Avg	309.02
#1	308.98
#2	309.06

Method: INTSTD6C Sample Name: PBW Operator: WM
Comment: 68226 SEM K0608625, K0608678, K0608730 10/11
Run Time: 10/18/06 14:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0183	-.0036	-.0019	-.0009	.0000	-.2678	-.0010
#1	-.0243	-.0072	.0095	-.0013	.0001	-.2689	-.0011
#2	-.0122	.0000	-.0133	-.0005	-.0001	-.2666	-.0009

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0471	-.0017	.0002	-.0066	.0195	.0010	.0045
#1	.0505	-.0016	-.0002	-.0059	.0195	-.0032	.0080
#2	.0437	-.0018	.0007	-.0074	.0196	.0053	.0011

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0002	.0011	.0004	-.0200	.0012	.0309
#1	.0002	.0021	.0027	.0020	-.0079	.0037	.0435
#2	.0003	-.0017	-.0006	-.0011	-.0321	-.0012	.0182

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	-.0048	.0047	.0173	.0587	.0022	-.0071
#1	.0029	-.0029	.0043	.0102	.0697	-.0003	.0004
#2	.0044	-.0066	.0051	.0244	.0477	.0048	-.0145

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0013	-.0005	.0095
#1	-.0017	-.0005	.0121
#2	-.0009	-.0005	.0068

Int. Std.	Sc3572
Units	Cts/S
Avg	301.13
#1	301.89
#2	300.38

Method: INTSTD6C Sample Name: CCVA2 Operator: WM
Comment: 68226
Run Time: 10/18/06 14:25 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5319	.4708	.4782	.4729	.5063	Q .2402	.4906
Stddev	.0458	.0131	.0024	.0035	.0048	.0027	.0034
%RSD	8.611	2.790	.5062	.7499	.9438	1.124	.6971
#1	.5643	.4801	.4765	.4704	.5029	.2421	.4882
#2	.4995	.4615	.4799	.4755	.5097	.2383	.4931
Check ?	None	QC Pass	QC Pass	None	None	QC Fail	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5215	.4958	.4876	.5001	.4888	.4694	2.463
Stddev	.0022	.0030	.0032	.0021	.0031	.0068	.004
%RSD	.4235	.6077	.6537	.4144	.6429	1.452	.1766
#1	.5199	.4937	.4853	.4986	.4866	.4646	2.466
#2	.5230	.4980	.4899	.5015	.4910	.4742	2.460
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4834	.4842	.4836	4.834	.4712	.4841	.5613
Stddev	.0037	.0040	.0022	.022	.0210	.0096	.0039
%RSD	.7655	.8239	.4652	.4460	4.466	1.973	.6948
#1	.4808	.4814	.4820	4.819	.4861	.4909	.5641
#2	.4860	.4870	.4852	4.850	.4563	.4774	.5585
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4956	.4780	.4914	.0165	.3090	.4918	.4755
Stddev	.0042	.0011	.0032	.0072	.0026	.0028	.0198
%RSD	.8435	.2316	.6525	43.83	.8402	.5776	4.163
#1	.4986	.4788	.4891	.0114	.3109	.4898	.4615
#2	.4926	.4772	.4936	.0216	.3072	.4938	.4895
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0022	-.0002	-.0122
Stddev	.0007	.0000	.0182
%RSD	29.97	8.354	149.1
#1	.0027	-.0002	.0007
#2	.0017	-.0002	-.0251
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA2 Run Time: 10/18/06 14:25

Int. Std.	Sc3572
Units	Cts/S
Avg	314.59
Stddev	2.62
%RSD	.83211
#1	316.44
#2	312.74

Method: INTSTD6C Sample Name: CCVB2 Operator: WM
Comment: 68226
Run Time: 10/18/06 14:28 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.172	.0139	-.0134	2.465	.0494	-.3182	.0002
Stddev	.034	.0058	.0066	.029	.0002	.0000	.0006
%RSD	.6559	41.84	49.13	1.184	.3831	.0128	388.3
#1	5.196	.0180	-.0088	2.486	.0495	-.3182	.0006
#2	5.148	.0098	-.0181	2.445	.0492	-.3182	-.0003
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.27	.0004	-.0010	-.0029	24.03	-.0066	24.84
Stddev	.06	.0030	.0001	.0005	.23	.0024	.04
%RSD	.2385	722.5	12.88	17.39	.9399	36.21	.1572
#1	25.31	-.0017	-.0009	-.0033	24.19	-.0049	24.87
#2	25.23	.0026	-.0011	-.0026	23.87	-.0083	24.81
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	.0015	-.0020	9.523	-.0005	-.0011	10.19
Stddev	.0001	.0004	.0003	.009	.0000	.0020	.01
%RSD	5.997	29.12	16.14	.0934	.1197	180.0	.1450
#1	.0018	.0012	-.0018	9.517	-.0005	.0003	10.20
#2	.0016	.0018	-.0022	9.530	-.0005	-.0026	10.18
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	-.0071	.0017	2.645	2.448	-.0011	-.0243
Stddev	.0037	.0021	.0011	.001	.011	.0007	.0067
%RSD	158.6	29.44	65.73	.0391	.4396	69.77	27.55
#1	-.0003	-.0057	.0025	2.646	2.440	-.0005	-.0196
#2	.0050	-.0086	.0009	2.644	2.455	-.0016	-.0291
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4774	.4807	2.674
Stddev	.0026	.0013	.014
%RSD	.5404	.2796	.5179
#1	.4792	.4817	2.684
#2	.4756	.4798	2.664
Check ?	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%

Sample Name: CCVB2 Run Time: 10/18/06 14:28

Int. Std.	Sc3572
Units	Cts/S
Avg	312.40
Stddev	.28
%RSD	.08918
#1	312.20
#2	312.60

Method: INTSTD6C Sample Name: CCB2 Operator: WM
Comment: 68226
Run Time: 10/18/06 14:31 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0154	.0155	-.0097	-.0005	-.0001	L -.2693	.0000
Stddev	.0300	.0035	.0152	.0002	.0001	.0022	.0010
%RSD	195.0	22.43	156.8	38.75	67.83	.8159	20250.
#1	-.0365	.0180	.0011	-.0004	.0000	-.2709	-.0007
#2	.0058	.0131	-.0205	-.0006	-.0001	-.2678	.0007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0057	-.0222	-.0011	-.0004	.0053	.0014	.0023
Stddev	.0047	.0043	.0016	.0001	.0014	.0021	.0056
%RSD	81.74	19.30	155.5	23.86	26.44	146.1	248.7
#1	.0091	-.0192	-.0022	-.0005	.0062	.0029	.0063
#2	.0024	-.0252	.0001	-.0004	.0043	.0000	-.0017
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	L -.0507	-.0012	.0001	.0029	.0013	.0286
Stddev	.0002	.0018	.0034	.0002	.0006	.0020	.0748
%RSD	4.178	3.595	283.1	233.2	19.54	146.4	261.3
#1	.0039	-.0520	.0012	.0002	.0025	.0027	.0816
#2	.0037	-.0494	-.0036	-.0001	.0033	.0000	-.0243
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0181	-.0012	.0011	.0060	-.0056	.0005	.0184
Stddev	.0263	.0022	.0002	.0043	.0020	.0001	.0016
%RSD	145.1	175.6	18.18	71.95	35.22	14.70	8.579
#1	.0005	.0003	.0012	.0030	-.0042	.0006	.0173
#2	-.0368	-.0028	.0010	.0091	-.0069	.0005	.0195
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0374	-.0017	-.0137	.0002	-.0006	.0115
Stddev	.0072	.0009	.0078	.0003	.0001	.0121
%RSD	19.32	52.92	56.89	134.5	14.09	105.0
#1	.0425	-.0011	-.0082	.0004	-.0005	.0030
#2	.0323	-.0024	-.0192	.0000	-.0006	.0201
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB2 Run Time: 10/18/06 14:31

Int. Std.	Sc3572
Units	Cts/S
Avg	303.34
Stddev	.08
%RSD	.02778
#1	303.28
#2	303.40

Method: INTSTD6C Sample Name: LCSW Operator: WM
Comment: 68226 SEM K0608625, K0608678, K0608730 10/11
Run Time: 10/18/06 14:43 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.070	.0039	2.452	5.031	.1218	-.2723	1.246
#1	5.087	-.0026	2.455	5.074	.1222	-.2722	1.251
#2	5.053	.0104	2.449	4.987	.1215	-.2724	1.241

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.44	.4935	1.212	.6012	2.466	2.385	11.71
#1	12.43	.4949	1.215	.6043	2.483	2.392	11.76
#2	12.44	.4920	1.209	.5981	2.449	2.377	11.65

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.255	-.0005	1.203	11.54	2.367	.5934	12.57
#1	1.251	-.0001	1.209	11.60	2.347	.5919	12.62
#2	1.259	-.0010	1.197	11.47	2.386	.5949	12.53

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0065	1.218	1.230	.1180	.0164	-.0012	2.458
#1	.0128	1.220	1.235	.1105	.0173	-.0037	2.471
#2	.0001	1.216	1.225	.1254	.0156	.0014	2.445

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	-.0003	.0051	.2994
#1	.0009	.0052	.2797
#2	-.0014	.0051	.3191

Int. Std.	Sc3572
Units	Cts/S
Avg	310.95
#1	311.69
#2	310.22

LCSW = 0.05 ml of
CLP-CU-1 MET1-52-A
CLP-CU-3 MET1-51-U
diluted to 10 ml
WM
10/18/6

Method: INTSTD6C Sample Name: K0608625-014 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 14:50 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.30	.0163	-.0107	3.326	.0077	-.3235	.0108
#1	48.29	.0046	-.0062	3.322	.0077	-.3218	.0106
#2	48.30	.0280	-.0152	3.330	.0078	-.3253	.0110

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2294.	1.419	.0758	1.126	88.61	1.695	51.62
#1	2297.	1.417	.0745	1.127	88.86	1.699	51.60
#2	2291.	1.421	.0771	1.125	88.35	1.691	51.64

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.871	.0134	.4708	14.47	.0269	-.0059	149.3
#1	1.860	.0148	.4691	14.51	.0297	-.0085	149.7
#2	1.882	.0119	.4725	14.44	.0241	-.0034	148.8

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0008	.1913	6.534	19.87	63.32	.1405	-.0705
#1	-.0069	.1892	6.521	19.89	63.25	.1397	-.0655
#2	.0052	.1934	6.546	19.84	63.39	.1414	-.0755

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0941	8.209	14.39
#1	.0948	8.226	14.36
#2	.0934	8.192	14.41

Int. Std.	Sc3572
Units	Cts/S
Avg	300.11
#1	300.23
#2	299.99

Method: INTSTD6C Sample Name: K0608625-014D Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 14:52 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	50.19	.0238	-.0001	3.349	.0081	-.3291	.0130
#1	50.20	.0421	.0001	3.348	.0081	-.3259	.0137
#2	50.18	.0056	-.0004	3.350	.0081	-.3323	.0124

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2405.	1.486	.0817	1.200	95.58	1.850	53.30
#1	2400.	1.485	.0816	1.201	95.57	1.854	53.33
#2	2411.	1.486	.0818	1.200	95.59	1.845	53.26

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.836	.0144	.4897	15.13	.0260	.0017	157.9
#1	1.834	.0135	.4881	15.13	.0250	.0046	157.5
#2	1.838	.0153	.4913	15.12	.0269	-.0012	158.3

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0024	.1987	7.158	16.47	65.15	.1617	-.0825
#1	-.0019	.1973	7.154	16.28	65.13	.1626	-.0819
#2	-.0030	.2002	7.162	16.65	65.17	.1609	-.0831

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0985	8.609	14.71
#1	.0988	8.594	14.67
#2	.0982	8.624	14.75

Int. Std.	Sc3572
Units	Cts/S
Avg	295.12
#1	295.14
#2	295.10

Method: INTSTD6C Sample Name: K0608625-014S Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:02 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	56.26	.0270	4.644	12.96	.2602	-.3379	2.367
#1	56.27	.0194	4.649	12.93	.2602	-.3376	2.357
#2	56.25	.0346	4.638	12.98	.2602	-.3383	2.378

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2305.	2.343	2.297	2.262	93.20	6.026	73.94
#1	2305.	2.338	2.292	2.267	93.10	6.006	73.98
#2	2304.	2.348	2.302	2.257	93.30	6.046	73.90

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.287	.0083	2.649	39.20	4.454	1.131	172.2
#1	4.300	.0084	2.647	39.22	4.465	1.130	172.3
#2	4.274	.0083	2.652	39.17	4.443	1.132	172.2

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0049	2.607	8.918	19.96	61.78	.1421	4.449
#1	-.0020	2.607	8.898	19.87	61.78	.1436	4.469
#2	-.0078	2.608	8.939	20.04	61.78	.1407	4.429

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0932	8.160	13.74
#1	.0912	8.181	13.61
#2	.0952	8.139	13.86

Int. Std.	Sc3572
Units	Cts/S
Avg	295.31
#1	295.39
#2	295.23

Spike = 0.05 ml of
CLP-CV-1 MET1-52-A
CICV-3 MET1-51-V
diluted to 5 ml w/
4.9 ml of K0608625-014

MC 10/18/6

Method: INTSTD6C Sample Name: K0608625-020 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:14 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	83.45	.0326	.0098	4.017	.0134	-.3062	.0145
#1	83.15	.0287	.0167	3.983	.0134	-.3018	.0144
#2	83.76	.0366	.0028	4.050	.0135	-.3105	.0146

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	493.9	.9780	.0642	.8851	129.3	.8363	74.08
#1	492.8	.9708	.0639	.8911	128.7	.8304	73.92
#2	494.9	.9853	.0645	.8792	129.9	.8423	74.23

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.112	.0081	.3398	24.58	.0170	-.0033	171.3
#1	4.097	.0070	.3366	24.53	.0221	.0002	170.7
#2	4.127	.0093	.3430	24.62	.0119	-.0068	171.9

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.2988	9.062	26.73	84.06	.2206	-.0755
#1	.0063	.2995	9.010	26.60	84.12	.2186	-.0819
#2	-.0043	.2981	9.113	26.86	84.00	.2227	-.0691

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0760	1.350	16.82
#1	.0769	1.348	16.72
#2	.0751	1.352	16.91

Int. Std.	Sc3572
Units	Cts/S
Avg	310.50
#1	311.16
#2	309.83

Method: INTSTD6C Sample Name: K0608625-021 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:17 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	62.57	.0204	-.0048	2.996	.0087	-.3002	.0167
#1	62.54	.0157	-.0043	2.980	.0086	-.2991	.0167
#2	62.59	.0250	-.0054	3.011	.0087	-.3013	.0168

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	365.4	1.693	.0420	.7898	98.92	1.129	47.07
#1	364.9	1.682	.0411	.7933	98.39	1.116	47.00
#2	365.9	1.704	.0428	.7863	99.46	1.141	47.14

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.219	.0074	.2500	17.26	.0155	.0023	99.29
#1	1.214	.0087	.2481	17.29	.0351	.0031	99.09
#2	1.225	.0062	.2519	17.23	-.0040	.0014	99.50

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0425	.2131	7.413	15.72	72.79	.1439	-.0718
#1	.0470	.2131	7.366	15.57	72.60	.1433	-.0581
#2	.0379	.2132	7.459	15.87	72.97	.1445	-.0856

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0532	.9962	13.11
#1	.0531	.9949	12.96
#2	.0532	.9975	13.26

Int. Std.	Sc3572
Units	Cts/S
Avg	315.59
#1	316.47
#2	314.71

Method: INTSTD6C Sample Name: K0608625-014L Operator: WM
Comment: 68226 SEM 1/5 DILUTION
Run Time: 10/18/06 15:22 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.14	.0091	-.0071	.6556	.0016	-.3040	.0026
#1	10.21	.0083	-.0064	.6559	.0017	-.3044	.0028
#2	10.06	.0100	-.0077	.6553	.0016	-.3035	.0024

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	494.7	.2909	.0159	.2332	18.88	.3583	10.43
#1	495.2	.2914	.0153	.2340	18.90	.3459	10.42
#2	494.1	.2905	.0164	.2324	18.86	.3708	10.43

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3728	.0000	.1006	3.037	.0085	-.0027	29.81
#1	.3730	-.0015	.1005	3.032	.0154	-.0032	29.83
#2	.3726	.0015	.1007	3.041	.0015	-.0022	29.78

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0324	1.288	4.482	12.72	.0279	-.0420
#1	-.0001	.0330	1.287	4.460	12.74	.0245	-.0467
#2	-.0011	.0318	1.288	4.503	12.69	.0314	-.0373

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0203	1.777	3.235
#1	.0213	1.777	3.241
#2	.0193	1.776	3.229

Int. Std.	Sc3572
Units	Cts/S
Avg	313.78
#1	313.82
#2	313.74

Method: INTSTD6C Sample Name: K0608678-001 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:28 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	62.08	.0343	.0008	2.989	.0215	-.4147	.0073
#1	61.71	.0209	-.0060	2.997	.0216	-.4152	.0071
#2	62.45	.0476	.0076	2.980	.0214	-.4143	.0076

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2337.	.3203	.1276	.3785	126.8	.4735	83.33
#1	2347.	.3196	.1292	.3760	126.6	.4695	82.76
#2	2327.	.3211	.1261	.3810	127.0	.4774	83.90

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.683	.0060	.2661	11.08	.0216	-.0094	67.63
#1	9.751	.0070	.2662	10.99	.0128	-.0084	68.03
#2	9.616	.0050	.2660	11.18	.0305	-.0105	67.23

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0188	.5202	3.639	15.50	66.57	.1678	-.1554
#1	-.0200	.5223	3.650	15.32	66.13	.1695	-.1450
#2	-.0175	.5180	3.629	15.68	67.00	.1662	-.1658

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0970	3.171	10.85
#1	.0973	3.175	10.71
#2	.0967	3.167	11.00

Int. Std.	Sc3572
Units	Cts/S
Avg	300.52
#1	298.05
#2	302.99

Method: INTSTD6C Sample Name: K0608678-002 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:31 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	64.60	.0222	.0238	2.587	.0135	-.2819	.0068
#1	64.46	.0177	.0231	2.571	.0135	-.2797	.0068
#2	64.75	.0267	.0245	2.603	.0136	-.2841	.0068

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	446.2	.3535	.0579	.7211	58.15	.3667	36.72
#1	445.2	.3507	.0572	.7222	57.81	.3686	36.75
#2	447.3	.3563	.0586	.7200	58.49	.3648	36.68

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.886	.0068	.2238	11.36	-.0041	-.0018	49.84
#1	1.871	.0051	.2215	11.43	-.0078	-.0024	49.78
#2	1.901	.0086	.2260	11.29	-.0003	-.0012	49.90

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0017	.3407	4.182	8.973	70.39	.1680	-.0650
#1	-.0071	.3394	4.148	8.963	70.80	.1677	-.0633
#2	.0037	.3421	4.217	8.983	69.97	.1683	-.0667

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0477	.8082	6.560
#1	.0499	.8083	6.542
#2	.0455	.8081	6.579

Int. Std.	Sc3572
Units	Cts/S
Avg	317.75
#1	319.78
#2	315.71

Method: INTSTD6C Sample Name: K0608678-012 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:34 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	81.59	.0408	-.0077	4.603	.0113	-.3625	.0114
#1	82.03	.0449	-.0099	4.584	.0113	-.3665	.0110
#2	81.14	.0366	-.0056	4.622	.0113	-.3585	.0118

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	431.6	.7138	.0434	.3341	115.5	.6929	64.52
#1	431.4	.7114	.0427	.3297	115.3	.6825	64.56
#2	431.9	.7161	.0441	.3385	115.7	.7032	64.48

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.123	.0072	.2316	20.97	.0137	-.0028	149.3
#1	3.123	.0082	.2326	20.84	.0043	-.0049	149.4
#2	3.124	.0063	.2306	21.10	.0230	-.0008	149.3

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0020	.2101	7.464	21.33	83.80	.1679	-.0969
#1	-.0100	.2080	7.460	21.30	83.68	.1701	-.1029
#2	.0059	.2122	7.467	21.37	83.91	.1657	-.0909

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0659	1.096	35.56
#1	.0660	1.095	35.50
#2	.0658	1.098	35.61

Int. Std.	Sc3572
Units	Cts/S
Avg	312.62
#1	312.51
#2	312.73

Method: INTSTD6C Sample Name: CCVA3 Operator: WM
Comment: 68226
Run Time: 10/18/06 15:39 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5330	.4752	.4903	.4732	.5137	Q .2253	.4911
Stddev	.0586	.0064	.0122	.0031	.0050	.0003	.0028
%RSD	11.00	1.337	2.485	.6563	.9714	.1208	.5701
#1	.4915	.4708	.4817	.4754	.5172	.2251	.4931
#2	.5745	.4797	.4989	.4710	.5101	.2255	.4891
Check ?	None	QC Pass	QC Pass	None	None	QC Fail	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5335	.4904	.4928	.5002	.5026	.4754	2.499
Stddev	.0146	.0042	.0023	.0060	.0053	.0060	.001
%RSD	2.735	.8645	.4645	1.201	1.058	1.259	.0426
#1	.5439	.4934	.4944	.5044	.5063	.4797	2.499
#2	.5232	.4874	.4912	.4959	.4988	.4712	2.498
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4824	.4897	.4900	4.982	.4899	.4985	.5644
Stddev	.0042	.0003	.0016	.065	.0052	.0026	.0140
%RSD	.8739	.0638	.3216	1.303	1.062	.5314	2.489
#1	.4854	.4894	.4911	5.028	.4862	.5003	.5743
#2	.4794	.4899	.4889	4.936	.4936	.4966	.5545
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4928	.4928	.4899	.0075	.3631	.4940	.4773
Stddev	.0096	.0026	.0025	.0078	.0306	.0055	.0110
%RSD	1.955	.5322	.5202	103.4	8.418	1.116	2.315
#1	.4996	.4909	.4917	.0020	.3847	.4979	.4851
#2	.4860	.4946	.4881	.0130	.3415	.4901	.4695
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0032	-.0002	.1095
Stddev	.0000	.0001	.0392
%RSD	.2539	51.09	35.79
#1	.0032	-.0001	.1372
#2	.0032	-.0003	.0818
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA3 Run Time: 10/18/06 15:39

Int. Std.	Sc3572
Units	Cts/S
Avg	319.73
Stddev	1.32
%RSD	.41141
#1	318.80
#2	320.66

Method: INTSTD6C Sample Name: CCVB3 Operator: WM
Comment: 68226
Run Time: 10/18/06 15:42 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.117	.0272	-.0144	2.499	.0501	-.3386	.0006
Stddev	.067	.0051	.0075	.009	.0002	.0010	.0003
%RSD	1.311	18.62	52.02	.3567	.3816	.3079	46.43
#1	5.164	.0237	-.0091	2.506	.0502	-.3379	.0008
#2	5.069	.0308	-.0197	2.493	.0500	-.3394	.0004
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.27	-.0014	-.0008	-.0008	24.78	-.0056	25.39
Stddev	.03	.0014	.0007	.0056	.20	.0070	.09
%RSD	.1368	96.07	87.75	737.6	.8120	125.7	.3441
#1	25.29	-.0024	-.0013	.0032	24.92	-.0006	25.45
#2	25.25	-.0005	-.0003	-.0047	24.64	-.0105	25.33
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0015	-.0008	-.0007	9.814	.0033	-.0075	10.07
Stddev	.0004	.0027	.0013	.008	.0092	.0027	.05
%RSD	26.65	337.9	169.9	.0769	283.0	35.63	.5057
#1	.0018	.0011	-.0016	9.820	.0098	-.0094	10.10
#2	.0012	-.0027	.0002	9.809	-.0033	-.0056	10.03
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	-.0026	.0023	2.559	2.549	-.0010	-.0387
Stddev	.0006	.0009	.0003	.006	.003	.0031	.0052
%RSD	115.1	35.59	12.75	.2389	.1285	302.5	13.40
#1	-.0009	-.0020	.0021	2.554	2.551	-.0032	-.0423
#2	-.0001	-.0033	.0026	2.563	2.547	.0012	-.0350
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4958	.4912	Q 2.759
Stddev	.0003	.0006	.026
%RSD	.0517	.1180	.9515
#1	.4956	.4916	2.778
#2	.4960	.4908	2.741
Check ?	QC Pass	QC Pass	QC Fail
Value	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%

Sample Name: CCVB3 Run Time: 10/18/06 15:42

Int. Std.	Sc3572
Units	Cts/S
Avg	320.14
Stddev	1.66
%RSD	.51798
#1	318.96
#2	321.31

Method: INTSTD6C Sample Name: CCB3 Operator: WM
Comment: 68226
Run Time: 10/18/06 15:45 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	L -.0568	.0086	-.0027	-.0006	.0000	L -.2914
Stddev	.0258	.0040	.0143	.0003	.000	.0017
%RSD	45.42	47.22	521.8	43.38	328.0	.5673
#1	-.0750	.0114	-.0129	-.0004	-.0001	-.2903
#2	-.0385	.0057	.0074	-.0008	.0000	-.2926
Check ?	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail
High Limit	.0500	.0500	.1000	.0050	.0050	.0500
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500

Elem	Cd2265	Ca3179	Ca3181	Cr2677	Co2286	Cu3247
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0010	.0035	-.0203	-.0007	-.0005	-.0008
Stddev	.0003	.0025	.0321	.0011	.0001	.0034
%RSD	29.18	72.59	158.4	149.3	15.77	423.8
#1	-.0012	.0017	.0024	-.0015	-.0006	.0016
#2	-.0008	.0053	-.0430	.0000	-.0005	-.0032
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0050	.0500	.0500	.0050	.0100	.0100
Low Limit	-.0050	-.0500	-.0500	-.0050	-.0100	-.0100

Elem	Fe2599	Fe2714	Pb2203	Mg2025	Mg2852	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0006	-.0044	.0084	.0020	.0001
Stddev	.0006	.0129	.0024	.0338	.0048	.0002
%RSD	16.93	2201.	55.20	400.6	235.6	107.6
#1	.0038	-.0085	-.0061	.0323	.0054	.0002
#2	.0030	.0097	-.0027	-.0155	-.0014	.0000
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0200	.0200	.0500	.0200	.0200	.0050
Low Limit	-.0200	-.0200	-.0500	-.0200	-.0200	-.0050

Elem	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0010	.0017	-.0008	-.0126	-.0016	-.0042
Stddev	.0000	.0009	.0244	.0013	.0062	.0095
%RSD	.0236	53.01	2953.	10.50	378.4	227.7
#1	.0010	.0011	.0165	-.0135	.0027	-.0108
#2	.0010	.0024	-.0181	-.0116	-.0060	.0025
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0100	.0200	.1000	.1000	.0100	.2000
Low Limit	-.0100	-.0200	-.1000	-.1000	-.0100	-.2000

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0058	-.0029	.0002	.0094	.0604	-.0010
Stddev	.0010	.0030	.0001	.0022	.0161	.0024
%RSD	17.67	104.9	38.70	23.72	26.62	229.4
#1	.0051	-.0050	.0003	.0110	.0491	.0006
#2	.0065	-.0007	.0002	.0078	.0718	-.0027
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0100	.0100	.2000	.1000	.0100
Low Limit	-.0500	-.0100	-.0100	-.2000	-.1000	-.0100

Sample Name: CCB3 Run Time: 10/18/06 15:45

Elem	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm
Avg	-.0182	-.0010	-.0006	.0360
Stddev	.0043	.0004	.0001	.0156
%RSD	23.49	40.49	12.14	43.28
#1	-.0152	-.0013	-.0007	.0470
#2	-.0213	-.0007	-.0006	.0250
Check ?	LC Pass	LC Pass	LC Pass	None
High Limit	.0500	.0100	.0200	
Low Limit	-.0500	-.0100	-.0200	

Int. Std.	Sc3572
Units	Cts/S
Avg	307.33
Stddev	.01
%RSD	.00368
#1	307.34
#2	307.32

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Method: INTSTD6C Sample Name: K060~~8730~~-013 Operator: WM
Comment: 68226 SEM 10/18/6
Run Time: 10/18/06 15:48 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	84.08	.0329	-.0242	8.275	.0133	-.4368	.0095
#1	84.16	.0528	-.0297	8.230	.0133	-.4316	.0096
#2	83.99	.0131	-.0187	8.321	.0133	-.4419	.0094

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	606.6	.9218	.0659	.4260	146.0	.7256	53.51
#1	601.8	.9131	.0653	.4229	144.3	.7206	53.57
#2	611.4	.9306	.0665	.4291	147.7	.7307	53.45

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.903	.0032	.2747	14.37	.0076	-.0023	77.21
#1	3.894	.0070	.2727	14.34	.0109	-.0057	76.66
#2	3.912	-.0005	.2767	14.39	.0044	.0011	77.76

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	.2836	7.248	25.15	83.06	.2353	-.0776
#1	.0055	.2808	7.201	25.14	83.16	.2342	-.0794
#2	-.0061	.2864	7.295	25.17	82.97	.2363	-.0758

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0697	1.338	10.59
#1	.0694	1.328	10.57
#2	.0700	1.348	10.61

Int. Std.	Sc3572
Units	Cts/S
Avg	313.85
#1	315.93
#2	311.77

Method: INTSTD6C Sample Name: K0608678-020 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:51 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	48.53	.0307	-.0025	2.019	.0124	-.3735	.0054
#1	48.45	.0324	-.0013	2.009	.0123	-.3722	.0055
#2	48.61	.0290	-.0037	2.030	.0126	-.3748	.0053

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	722.3	.4653	.0758	.4278	91.64	.2902	37.87
#1	721.8	.4619	.0762	.4273	91.26	.2860	37.87
#2	722.9	.4687	.0753	.4283	92.03	.2945	37.88

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.515	.0053	.1893	9.212	.0094	-.0001	53.22
#1	3.497	.0055	.1880	9.211	.0108	.0003	53.14
#2	3.534	.0051	.1906	9.212	.0080	-.0006	53.31

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0047	.3168	3.067	13.05	52.87	.1443	-.0958
#1	-.0085	.3156	3.054	13.03	52.84	.1448	-.1092
#2	-.0009	.3180	3.079	13.07	52.89	.1438	-.0824

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0489	1.077	6.597
#1	.0485	1.075	6.617
#2	.0494	1.079	6.577

Int. Std.	Sc3572
Units	Cts/S
Avg	311.24
#1	312.13
#2	310.35

Method: INTSTD6C Sample Name: K0608678-021 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:54 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	63.44	.0298	.0050	2.316	.0128	-.3860	.0069
#1	63.25	.0193	.0103	2.309	.0128	-.3818	.0070
#2	63.63	.0403	-.0002	2.323	.0128	-.3902	.0067

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	706.7	.6240	.0723	.7130	103.6	.4311	44.18
#1	705.5	.6204	.0727	.7175	103.2	.4320	44.15
#2	707.9	.6276	.0719	.7086	104.0	.4302	44.21

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.557	.0113	.2509	11.84	.0281	-.0029	57.31
#1	2.552	.0107	.2497	11.86	.0100	.0003	57.19
#2	2.562	.0119	.2521	11.83	.0463	-.0060	57.43

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0046	.3258	4.087	14.44	68.25	.1649	-.0715
#1	-.0033	.3249	4.069	14.37	68.55	.1678	-.0696
#2	-.0058	.3267	4.104	14.51	67.96	.1620	-.0735

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0575	1.156	8.785
#1	.0578	1.155	8.768
#2	.0571	1.157	8.802

Int. Std.	Sc3572
Units	Cts/S
Avg	312.57
#1	313.37
#2	311.78

Method: INTSTD6C Sample Name: K0608678-025 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:57 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	73.25	.0311	-.0041	10.34	.0094	-.4513	.0108
#1	73.02	.0356	.0007	10.34	.0093	-.4491	.0103
#2	73.48	.0267	-.0090	10.34	.0094	-.4535	.0113

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	711.5	.9467	.0455	.3410	136.9	.7426	49.07
#1	711.9	.9455	.0450	.3401	137.0	.7444	48.95
#2	711.0	.9479	.0460	.3419	136.9	.7408	49.19

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.537	.0021	.4769	13.55	.0068	-.0006	99.16
#1	3.528	.0006	.4755	13.55	.0120	.0015	99.25
#2	3.546	.0036	.4784	13.55	.0017	-.0027	99.08

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.2449	8.893	25.65	72.09	.1682	-.0871
#1	-.0005	.2412	8.888	25.55	72.19	.1669	-.0860
#2	.0001	.2486	8.898	25.75	72.00	.1695	-.0882

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0641	1.533	23.60
#1	.0636	1.531	23.35
#2	.0646	1.534	23.86

Int. Std.	Sc3572
Units	Cts/S
Avg	313.63
#1	313.29
#2	313.97

Method: INTSTD6C Sample Name: K0608678-026 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 15:59 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	112.0	.0412	.0664	11.94	.0372	-1.202	.0193
#1	111.8	.0481	.0626	11.96	.0373	-1.204	.0194
#2	112.1	.0343	.0701	11.92	.0370	-1.200	.0191

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3646.	.9122	.4909	.7327	528.6	1.590	173.0
#1	3638.	.9149	.4913	.7400	529.2	1.591	173.4
#2	3653.	.9095	.4905	.7253	528.1	1.589	172.7

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	>45.00	.0175	.5525	11.02	.0418	-.0166	80.84
#1	>45.00	.0191	.5569	11.06	.0381	-.0169	81.29
#2	>45.00	.0160	.5481	10.98	.0456	-.0163	80.39

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0259	1.676	16.69	46.84	100.1	.3935	-.4592
#1	-.0242	1.683	16.71	47.05	100.7	.3989	-.4861
#2	-.0276	1.669	16.68	46.63	99.50	.3880	-.4324

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.1793	k 8.846	22.29
#1	.1814	k 8.894	22.55
#2	.1772	k 8.797	22.03

Int. Std.	Sc3572
Units	Cts/S
Avg	288.07
#1	288.24
#2	287.90

Method: INTSTD6C Sample Name: K0608678-029 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 16:03 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	101.7	.0196	-.0279	3.778	.0242	-.4345	.0019
#1	100.8	.0164	-.0415	3.759	.0242	-.4324	.0023
#2	102.5	.0228	-.0143	3.797	.0241	-.4366	.0015

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	94.29	.0782	.1443	.1137	109.3	.3283	42.90
#1	94.21	.0766	.1446	.1140	108.5	.3205	42.70
#2	94.38	.0798	.1440	.1135	110.2	.3361	43.10

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.452	.0060	.1536	17.67	.0159	-.0046	73.46
#1	4.422	.0066	.1506	17.58	.0192	-.0017	73.40
#2	4.483	.0054	.1566	17.76	.0127	-.0075	73.53

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0072	.4213	.2336	2.149	88.72	.0500	-.0754
#1	-.0031	.4245	.2329	2.103	88.68	.0478	-.0632
#2	-.0113	.4182	.2344	2.194	88.77	.0523	-.0876

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0552	.6270	3.899
#1	.0574	.6270	3.927
#2	.0530	.6269	3.871

Int. Std.	Sc3572
Units	Cts/S
Avg	322.31
#1	322.65
#2	321.97

Method: INTSTD6C Sample Name: K0608730-001 Operator: WM
Comment: 68226 SEM
Run Time: 10/18/06 16:09 Type: Unk Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.59	.0202	-.0026	2.067	.0029	-.2269	.0068
#1	52.74	.0133	-.0056	2.066	.0029	-.2256	.0069
#2	52.44	.0270	.0003	2.067	.0028	-.2282	.0067

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	365.6	.1053	.0119	.3933	29.84	.1437	23.81
#1	364.9	.1054	.0108	.3936	29.87	.1434	23.90
#2	366.2	.1052	.0131	.3931	29.81	.1440	23.72

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.8320	.0034	.0823	5.862	-.0041	-.0002	108.7
#1	.8308	.0062	.0813	5.853	.0089	.0015	108.5
#2	.8331	.0007	.0833	5.870	-.0172	-.0020	109.0

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0098	.0655	4.166	22.47	28.12	.1047	-.0481
#1	-.0083	.0674	4.157	22.57	28.18	.1044	-.0592
#2	-.0113	.0637	4.175	22.38	28.05	.1050	-.0371

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0212	.9487	8.003
#1	.0229	.9483	7.996
#2	.0195	.9492	8.009

Int. Std.	Sc3572
Units	Cts/S
Avg	315.18
#1	316.03
#2	314.33

Method: INTSTD6C Sample Name: CCVA4 Operator: WM
Comment: 68226
Run Time: 10/18/06 16:11 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5550	.4939	.4962	.4770	.5117	Q .2164	.4951
Stddev	.0148	.0116	.0060	.0004	.0031	.0035	.0019
%RSD	2.662	2.357	1.212	.0786	.6050	1.636	.3848
#1	.5655	.5021	.4920	.4767	.5095	.2139	.4937
#2	.5446	.4856	.5005	.4772	.5139	.2189	.4964
Check ?	None	QC Pass	QC Pass	None	None	QC Fail	QC Pass
Value		.5000	.5000			.5000	.5000
Range		10.00%	10.00%			10.00%	10.00%

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2852
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5354	.4948	.4940	.5086	.5002	.4713	2.501
Stddev	.0099	.0035	.0017	.0019	.0001	.0088	.013
%RSD	1.844	.7095	.3491	.3660	.0278	1.859	.5142
#1	.5424	.4923	.4953	.5072	.5001	.4775	2.492
#2	.5285	.4972	.4928	.5099	.5003	.4651	2.510
Check ?	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass	QC Pass
Value	.5000	.5000	.5000	.5000	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%	10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4838	.4891	.4923	5.001	.4693	.4997	.5630
Stddev	.0010	.0075	.0012	.001	.0044	.0009	.0089
%RSD	.2137	1.529	.2484	.0157	.9329	.1724	1.586
#1	.4831	.4838	.4914	5.001	.4662	.4990	.5693
#2	.4845	.4943	.4931	5.000	.4724	.5003	.5567
Check ?	QC Pass	QC Pass	QC Pass	None	QC Pass	QC Pass	None
Value	.5000	.5000	.5000		.5000	.5000	
Range	10.00%	10.00%	10.00%		10.00%	10.00%	

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4986	.4879	.4943	.0072	.3424	.4930	.4533
Stddev	.0193	.0072	.0039	.0005	.0174	.0011	.0103
%RSD	3.863	1.467	.7922	6.543	5.072	.2290	2.272
#1	.4850	.4828	.4915	.0069	.3547	.4922	.4606
#2	.5122	.4930	.4970	.0076	.3301	.4938	.4460
Check ?	QC Pass	QC Pass	QC Pass	None	None	QC Pass	QC Pass
Value	.5000	.5000	.5000			.5000	.5000
Range	10.00%	10.00%	10.00%			10.00%	10.00%

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.0019	-.0001	.0378
Stddev	.0005	.0001	.0003
%RSD	25.36	115.6	.8644
#1	.0016	.0000	.0376
#2	.0023	-.0002	.0381
Check ?	None	None	None
Value			
Range			

Sample Name: CCVA4 Run Time: 10/18/06 16:11

Int. Std.	Sc3572
Units	Cts/S
Avg	319.69
Stddev	.45
%RSD	.14217
#1	320.02
#2	319.37

Method: INTSTD6C Sample Name: CCVB4 Operator: WM
Comment: 68226
Run Time: 10/18/06 16:14 Type: QC Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.198	.0187	-.0108	2.527	.0505	-.3526	.0002
Stddev	.093	.0012	.0132	.006	.0001	.0005	.0007
%RSD	1.794	6.435	121.7	.2563	.1781	.1299	341.2
#1	5.264	.0196	-.0201	2.522	.0504	-.3523	-.0003
#2	5.132	.0179	-.0015	2.531	.0505	-.3529	.0007
Check ?	QC Pass	None	None	QC Pass	QC Pass	None	None
Value	5.000			2.500	.0500		
Range	10.00%			10.00%	10.00%		

Elem	Ca3181	Cr2677	Co2286	Cu3247	Fe2714	Pb2203	Mg2025
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	25.42	-.0029	-.0005	-.0038	24.78	.0006	25.56
Stddev	.01	.0005	.0014	.0003	.04	.0037	.06
%RSD	.0196	18.76	267.7	8.441	.1797	642.0	.2402
#1	25.43	-.0033	.0005	-.0040	24.75	.0032	25.60
#2	25.42	-.0025	-.0015	-.0036	24.81	-.0020	25.51
Check ?	QC Pass	None	None	None	QC Pass	None	QC Pass
Value	25.00				25.00		25.00
Range	10.00%				10.00%		10.00%

Elem	Mn2576	Mo2020	Ni2316	K_7664	Se1960	Ag3280	Na5895
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	-.0009	-.0009	9.784	-.0121	.0026	10.24
Stddev	.0002	.0018	.0001	.049	.0349	.0044	.02
%RSD	10.00	194.7	11.79	.4974	288.2	169.1	.1797
#1	.0017	.0003	-.0010	9.819	.0126	.0057	10.25
#2	.0015	-.0022	-.0009	9.750	-.0368	-.0005	10.23
Check ?	None	None	None	QC Pass	None	None	QC Pass
Value				10.00			10.00
Range				10.00%			10.00%

Elem	Sn1899	V_3102	Zn2062	P_1782	Si2516	Ti3234	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0047	-.0055	.0024	2.703	2.522	.0006	-.0286
Stddev	.0064	.0003	.0005	.013	.006	.0015	.0066
%RSD	137.9	5.918	22.43	.4729	.2493	235.2	22.89
#1	-.0092	-.0053	.0020	2.694	2.526	.0017	-.0332
#2	-.0001	-.0058	.0028	2.712	2.517	-.0004	-.0240
Check ?	None	None	None	QC Pass	QC Pass	None	None
Value				2.500	2.500		
Range				10.00%	10.00%		

Elem	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm
Avg	.4949	.4920	Q 2.788
Stddev	.0006	.0009	.011
%RSD	.1298	.1771	.4034
#1	.4953	.4926	2.780
#2	.4944	.4913	2.796
Check ?	QC Pass	QC Pass	QC Fail
Value	.5000	.5000	2.500
Range	10.00%	10.00%	10.00%

Sample Name: CCVB4 Run Time: 10/18/06 16:14

Int. Std.	Sc3572
Units	Cts/S
Avg	316.42
Stddev	.85
%RSD	.26880
#1	317.02
#2	315.82

Method: INTSTD6C Sample Name: CCB4 Operator: WM
Comment: 68226
Run Time: 10/18/06 16:17 Type: Blank Mode: CONC Corr.Fact: 1.000000

Elem	Al2373	Sb2068	As1890	Ba2335	Be3130	B_2497	Cd2265
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0456	.0073	.0027	.0000	.0000	L -.3004	-.0005
Stddev	.0588	.0392	.0030	.001	.0001	.0013	.0003
%RSD	128.8	533.5	108.9	2565.	228.9	.4179	58.09
#1	-.0041	-.0204	.0049	.0005	.0001	-.3013	-.0003
#2	-.0872	.0350	.0006	-.0005	.0000	-.2995	-.0007
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Fail	LC Pass
High Limit	.0500	.0500	.1000	.0050	.0050	.0500	.0050
Low Limit	-.0500	-.0500	-.1000	-.0050	-.0050	-.0500	-.0050

Elem	Ca3179	Ca3181	Cr2677	Co2286	Cu3247	Fe2599	Fe2714
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0144	.0178	.0007	-.0002	-.0041	.0055	-.0017
Stddev	.0068	.0067	.0015	.0007	.0014	.0016	.0430
%RSD	47.30	37.65	224.4	286.1	33.95	28.04	2552.
#1	.0192	.0225	.0018	.0003	-.0051	.0066	.0287
#2	.0096	.0130	-.0004	-.0007	-.0031	.0044	-.0321
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0500	.0050	.0100	.0100	.0200	.0200
Low Limit	-.0500	-.0500	-.0050	-.0100	-.0100	-.0200	-.0200

Elem	Pb2203	Mg2025	Mg2852	Mn2576	Mo2020	Ni2316	K_7664
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0037	L -.0295	.0012	.0002	.0017	.0028	.0189
Stddev	.0039	.0079	.0000	.0002	.0024	.0006	.0218
%RSD	105.8	26.89	.2142	111.2	143.6	19.94	115.1
#1	.0064	-.0351	.0012	.0004	.0000	.0032	.0343
#2	.0009	-.0239	.0012	.0000	.0034	.0024	.0035
Check ?	LC Pass	LC Fail	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.0500	.0200	.0200	.0050	.0100	.0200	.1000
Low Limit	-.0500	-.0200	-.0200	-.0050	-.0100	-.0200	-.1000

Elem	Se1960	Ag3280	Na5895	Sn1899	V_3102	Zn2062	P_1782
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0047	-.0017	-.0190	.0035	-.0066	.0001	.0134
Stddev	.0138	.0007	.0122	.0053	.0004	.0005	.0022
%RSD	297.2	42.09	64.52	150.1	6.153	476.5	16.64
#1	-.0144	-.0023	-.0103	.0073	-.0069	-.0002	.0118
#2	.0051	-.0012	-.0276	-.0002	-.0063	.0004	.0149
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High Limit	.1000	.0100	.2000	.0500	.0100	.0100	.2000
Low Limit	-.1000	-.0100	-.2000	-.0500	-.0100	-.0100	-.2000

Elem	Si2516	Ti3234	Tl1908	Li6707	Sr4077	S_1820
Units	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0295	-.0008	-.0049	.0008	-.0006	.0238
Stddev	.0043	.0002	.0128	.0001	.0001	.0134
%RSD	14.67	26.23	263.3	12.04	16.52	56.15
#1	.0325	-.0009	.0042	.0009	-.0006	.0333
#2	.0264	-.0006	-.0139	.0008	-.0005	.0144
Check ?	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	None
High Limit	.1000	.0100	.0500	.0100	.0200	
Low Limit	-.1000	-.0100	-.0500	-.0100	-.0200	

Sample Name: CCB4 Run Time: 10/18/06 16:17

Int. Std.	Sc3572
Units	Cts/S
Avg	309.15
Stddev	.81
%RSD	.26183
#1	309.72
#2	308.57

TCLP METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCUT7	K0608882-008
SCUT7D	K0608882-008D
SCUT7S	K0608882-008S
SCSS25	K0608882-009
Method Blank	K0608882-MB
Method Blank	K0608882-MB2
Batch QCD	K0608947-001D
Batch QCS	K0608947-001S

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:

Signature: [signature]

Date: 11/26/06

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: SCUT7 Lab Code: K0608882-008

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	11/17/06	11/20/06	0.05	U	
Barium	6010B	1.0	0.3	1	11/17/06	11/20/06	0.4	B	
Cadmium	6010B	0.010	0.003	1	11/17/06	11/20/06	0.003	U	
Chromium	6010B	0.010	0.005	1	11/17/06	11/20/06	0.005	U	
Lead	6010B	0.05	0.03	1	11/17/06	11/20/06	0.03	U	
Mercury	7470A	0.0010	0.0005	1	10/19/06	10/20/06	0.0005	U	
Selenium	6010B	0.10	0.04	1	11/17/06	11/20/06	0.04	U	
Silver	6010B	0.02	0.01	1	11/17/06	11/20/06	0.01	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/27/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	TCLP	Units:	MG/L
		Basis:	NA

Sample Name: SCSS25 Lab Code: K0608882-009

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	10/19/06	10/20/06	0.05	U	
Barium	6010B	1.0	0.3	1	10/19/06	10/20/06	0.5	B	
Cadmium	6010B	0.010	0.003	1	10/19/06	10/20/06	0.003	U	
Chromium	6010B	0.010	0.005	1	10/19/06	10/20/06	0.005	U	
Lead	6010B	0.05	0.03	1	10/19/06	10/20/06	0.78		
Mercury	7470A	0.0010	0.0005	1	10/19/06	10/20/06	0.0008	B	
Selenium	6010B	0.10	0.04	1	10/19/06	10/20/06	0.04	U	
Silver	6010B	0.02	0.01	1	10/19/06	10/20/06	0.01	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Matrix: TCLP

Service Request: K0608882

Date Collected:

Date Received:

Units: MG/L

Basis: NA

Sample Name: Method Blank

Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	10/19/06	10/20/06	0.05	U	
Barium	6010B	1.0	0.3	1	10/19/06	10/20/06	0.3	U	
Cadmium	6010B	0.010	0.003	1	10/19/06	10/20/06	0.003	U	
Chromium	6010B	0.010	0.005	1	10/19/06	10/20/06	0.005	U	
Lead	6010B	0.05	0.03	1	10/19/06	10/20/06	0.03	U	
Mercury	7470A	0.0010	0.0005	1	10/19/06	10/20/06	0.0005	U	
Selenium	6010B	0.10	0.04	1	10/19/06	10/20/06	0.04	U	
Silver	6010B	0.02	0.01	1	10/19/06	10/20/06	0.01	U	

% Solids: 0.0

Comments:

TCLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: TCLP

Service Request: K0608882
Date Collected:
Date Received:
Units: MG/L
Basis: NA

Sample Name: Method Blank
Lab Code: K0608882-MB2

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	11/17/06	11/20/06	0.05	U	
Barium	6010B	1.0	0.3	1	11/17/06	11/20/06	0.3	U	
Cadmium	6010B	0.010	0.003	1	11/17/06	11/20/06	0.003	U	
Chromium	6010B	0.010	0.005	1	11/17/06	11/20/06	0.005	U	
Lead	6010B	0.05	0.03	1	11/17/06	11/20/06	0.03	U	
Selenium	6010B	0.10	0.04	1	11/17/06	11/20/06	0.04	U	
Silver	6010B	0.02	0.01	1	11/17/06	11/20/06	0.01	U	

% Solids: 0.0

Comments:

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	2500	2520	101	2000	2010	101	2030	102	6010B
Barium	5000	5110	102	500	501	100	497	99	6010B
Cadmium	1250	1310	105	500	529	106	534	107	6010B
Chromium	500	510	102	5000	5060	101	5110	102	6010B
Lead	2500	2560	102	5000	5010	100	5080	102	6010B
Mercury	5.0	5.18	104	5.0	5.05	101	5.05	101	7470A
Selenium	2500	2530	101	2000	1990	100	1990	100	6010B
Silver	625	627	100	500	504	101	506	101	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				2000	2080	104	2080	104	6010B
Barium				500	510	102	489	98	6010B
Cadmium				500	543	109	548	110	6010B
Chromium				5000	5260	105	5310	106	6010B
Lead				5000	5210	104	5390	108	6010B
Mercury				5.0	5.09	102	5.04	101	7470A
Selenium				2000	2060	103	2060	103	6010B
Silver				500	513	103	512	102	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				2000	2030	102	2080	104	6010B
Barium				500	464	93	472	94	6010B
Cadmium				500	533	107	547	109	6010B
Chromium				5000	5190	104	5310	106	6010B
Lead				5000	5360	107	5480	110	6010B
Selenium				2000	1990	100	2040	102	6010B
Silver				500	491	98	500	100	6010B

TCLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	2500	2480	99	2000	2030	102	2090	104	6010B
Barium	5000	5050	101	500	496	99	515	103	6010B
Cadmium	1250	1310	104	500	533	107	548	110	6010B
Chromium	500	501	100	5000	5110	102	5330	107	6010B
Lead	2500	2520	101	5000	5110	102	5310	106	6010B
Selenium	2500	2470	99	2000	1990	100	2050	103	6010B
Silver	625	624	100	500	506	101	524	105	6010B

TCLP METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				100	75.1	75		
Barium				5.0	4.20	84		
Cadmium				5.0	6.95	139		
Chromium				5.0	3.22	64		
Lead				50	52.9	106		
Mercury	0.20	0.2200	110					
Selenium				100	133	133		
Silver				10	9.47	95		

TCLP METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				100	103	103		
Barium				5.0	5.01	100		
Cadmium				5.0	6.71	134		
Chromium				5.0	5.89	118		
Lead				50	47.9	96		
Selenium				100	101	101		
Silver				10	9.06	91		

TCLP METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Arsenic	50.00	U	50.00	U	50.00	U	50.00	U					6010B
Barium	300	U	300	U	300	U	300	U					6010B
Cadmium	3.000	U	3.000	U	3.000	U	3.000	U					6010B
Chromium	5.000	U	5.000	U	5.000	U	5.000	U					6010B
Lead	30.00	U	30.00	U	30.00	U	30.00	U					6010B
Mercury	0.5000	U	0.5000	U	0.5000	U	0.5000	U					7470A
Selenium	40.00	U	40.00	U	40.00	U	40.00	U					6010B
Silver	10.00	U	10.00	U	10.00	U	10.00	U					6010B

TCLP METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Arsenic			50.00	U	50.00	U	50.00	U						6010B
Barium			300	U	300	U	300	U						6010B
Cadmium			3.000	U	3.000	U	3.000	U						6010B
Chromium			5.000	U	5.000	U	5.000	U						6010B
Lead			30.00	U	30.00	U	30.00	U						6010B
Mercury			0.5000	U										7470A
Selenium			40.00	U	40.00	U	40.00	U						6010B
Silver			10.00	U	10.00	U	10.00	U						6010B

TCLP METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C		Method
Arsenic	50.00	U	50.00	U	50.00	U							6010B
Barium	300	U	300	U	300	U							6010B
Cadmium	3.000	U	3.000	U	3.000	U							6010B
Chromium	5.000	U	5.000	U	5.000	U							6010B
Lead	30.00	U	30.00	U	30.00	U							6010B
Selenium	40.00	U	40.00	U	40.00	U							6010B
Silver	10.00	U	10.00	U	10.00	U							6010B

TCLP METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			-430.56	-404.25				
Barium		500	1.3	480	96			
Cadmium		1000	14.2	984	98			
Chromium		500	-3.090	451	90			
Lead		1000	99.1	1030	103			
Selenium			170	150				
Silver		1000	-16.15	946	95			

TCLP METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			-424.61	-540.14				
Barium		500	2.9	498	100			
Cadmium		1000	10.2	1020	102			
Chromium		500	-4.120	466	93			
Lead		1000	106	1050	105			
Selenium			215	176				
Silver		1000	-19.22	953	95			

Form IV IN

TCLP METALS

- 5a -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: TCLP

Service Request: K0608882
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: SCUT7S
Lab Code: K0608882-008S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	5.10		0.05	U	5.00	102		6010B
Barium	75 - 125	10.2		0.4	B	10.0	98		6010B
Cadmium	75 - 125	1.030		0.003	U	1.000	103		6010B
Chromium	75 - 125	4.770		0.005	U	5.000	95		6010B
Lead	75 - 125	4.80		0.03	U	5.00	96		6010B
Mercury	75 - 125	0.0051		0.0005	U	0.0050	102		7470A
Selenium	75 - 125	1.03		0.04	U	1.00	103		6010B
Silver	75 - 125	0.96		0.01	U	1.00	96		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

TCLP METALS
- 5a -
SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: TCLP

Service Request: K0608882
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: Batch QCS
Lab Code: K0608947-001S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	5.17		0.05	U	5.00	103		6010B
Barium	75 - 125	9.9		0.8	B	10.0	91		6010B
Cadmium	75 - 125	1.060		0.006	B	1.000	105		6010B
Chromium	75 - 125	4.780		0.005	U	5.000	96		6010B
Lead	75 - 125	4.93		0.03	U	5.00	99		6010B
Selenium	75 - 125	1.04		0.04	U	1.00	104		6010B
Silver	75 - 125	0.95		0.01	U	1.00	95		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

TCLP METALS

- 6 -

DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: TCLP

Service Request: K0608882
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: SCUT7D
Lab Code: K0608882-008D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.05	U	0.05	U			6010B
Barium		0.4	B	0.4	B	1		6010B
Cadmium		0.003	U	0.003	U			6010B
Chromium		0.005	U	0.005	U			6010B
Lead		0.03	U	0.03	U			6010B
Mercury		0.0005	U	0.0005	U			7470A
Selenium		0.04	U	0.04	U			6010B
Silver		0.01	U	0.01	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

Form VI - IN

TCLP METALS
- 6 -
DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: TCLP

Service Request: K0608882
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: Batch QCD
Lab Code: K0608947-001D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.05	U	0.05	U			6010B
Barium		0.8	B	0.8	B	2		6010B
Cadmium		0.006	B	0.006	B	4		6010B
Chromium		0.005	U	0.005	U			6010B
Lead		0.03	U	0.03	U			6010B
Selenium		0.04	U	0.04	U			6010B
Silver		0.01	U	0.01	U			6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

TCLP METALS
- 7 -
LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous mg/L True	Aqueous mg/L Found	Aqueous mg/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits		Solid (mg/kg) %R
Arsenic	5.00	5.26	105						
Barium	10.0	9.84	98						
Cadmium	1.00	1.05	105						
Chromium	5.00	5.02	100						
Lead	5.00	5.02	100						
Mercury	0.00500	0.00488	98						
Selenium	1.00	1.08	108						
Silver	1.00	0.955	96						

TCLP METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous mg/L True	Aqueous mg/L Found	Aqueous mg/L %R	Solid (mg/kg) True	Solid (mg/kg) Found	Solid (mg/kg) C	Solid (mg/kg) Limits	Solid (mg/kg) %R
Arsenic	5.00	5.21	104					
Barium	10.0	10.1	101					
Cadmium	1.00	1.04	104					
Chromium	5.00	4.99	100					
Lead	5.00	4.90	98					
Selenium	1.00	1.05	105					
Silver	1.00	0.966	97					

TCLP METALS
- 9 -
ICP SERIAL DILUTIONS

Client: URS Corporation
Service Request: K0608882
Project No.: 26219784
Units: ug/L
Project Name: Alaska Salt Chuck Mine

Sample Name: SCUT7L
Lab Code: K0608882-008L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	50.0	U	250	U			6010B
Barium	418	B	1500	U			6010B
Cadmium	3.00	U	15.0	U			6010B
Chromium	5.00	U	25.0	U			6010B
Lead	30.0	U	150	U			6010B
Selenium	40.0	U	200	U			6010B
Silver	10.0	U	50.0	U			6010B

TCLP METALS

- 9 -

ICP SERIAL DILUTIONS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Units: ug/L

Project Name: Alaska Salt Chuck Mine

Sample Name: SCSS25L

Lab Code: K0608882-009L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	50.0	U	250	U			6010B
Barium	476	B	1500	U			6010B
Cadmium	3.00	U	15.0	U			6010B
Chromium	5.00	U	25.0	U			6010B
Lead	780		857		10		6010B
Selenium	40.0	U	200	U			6010B
Silver	10.0	U	50.0	U			6010B

TCLP METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #: CETAC-1

Analyte	Wave-length	Back-ground	MRL (mg/L)	MDL (mg/L)	Method
Mercury	253.70	BD	0.0010	0.0005	7470A

Comments:

TCLP METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: TJA ICP-OES 6.2

GFAA ID #:

AA ID #:

Analyte	Wave-length	Back-ground	MRL (ug/L)	MDL (ug/L)	Method
Arsenic	193.60		100	50.0	6010B
Barium	493.60		1000	300	6010B
Cadmium	228.80		10.0	3.000	6010B
Chromium	267.70		10.0	5.000	6010B
Lead	220.30		50.0	30.0	6010B
Selenium	196.00		100	40.0	6010B
Silver	328.00		20.0	10.0	6010B

Comments:

TCLP METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As
Aluminum	308.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.6	0.0046000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.6	0.0000000	0.0000000	0.0004500	0.0003400	0.0000000
Cadmium	228.8	0.0000000	0.0000000	-0.0000600	0.0000000	0.0250000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000300	0.0000000	0.0000000
Cobalt	228.6	-0.0000200	0.0000000	0.0000370	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	-0.0000800	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0014000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	0.0000000	0.0000000	0.0041000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	-0.0002000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000600	0.0000000	0.0000000
Phosphorus	214.9	0.0069000	0.0000000	0.0056000	0.0041000	0.0000000
Potassium	766.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Silicon	288.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	-0.0003000	0.0000000	0.0000000
Sodium	588.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0062000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	0.0000500	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000410	0.0000000	0.0000000

Comments:

Form XI (PART 1) - IN

TCLP METALS
-11B-
ICP INTERELEMENT CORRECTION FACTORS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Mn	Mo	Ni
Aluminum	308.2	-0.0170000	0.0000000	0.0000000	0.0230000	0.0000000
Antimony	206.8	-0.0032100	0.0200000	0.0000000	0.0049000	0.0070300
Arsenic	193.6	0.0000000	0.0012000	-0.0015000	0.0008360	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000470	0.0000000
Boron	249.6	0.0009000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	-0.0059400	0.0000000	0.0000000	0.0000000	0.0004600
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0003200	0.0000000
Cobalt	228.6	0.0000000	0.0005500	0.0000000	0.0003050	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	-0.0068000	0.0008800	0.0000000
Lead	220.3	-0.0078200	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	-0.0029000	-0.0013600	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0004260	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0001700
Nickel	231.6	0.0005200	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	0.0076000	0.0000000
Potassium	766.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0007400	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.1	0.0000000	-0.0025000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0002100	0.0000000	0.0000000
Sodium	588.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0111000	0.0000000	0.0000000
Tin	189.9	0.0000000	-0.0100000	0.0000000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	-0.0058400	-0.0001000	0.0092000	0.0000000
Zinc	213.8	-0.0000630	0.0000000	0.0000000	0.0002000	0.0044800

Comments:

Form XI (PART 2) - IN

TCLP METALS
-11B-
ICP INTERELEMENT CORRECTION FACTORS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	V			
Aluminum	308.2	-0.0004000	-0.0028000			
Antimony	206.8	0.0000000	-0.0070000			
Arsenic	193.6	0.0000000	0.0099000			
Barium	493.4	0.0000000	0.0000000			
Beryllium	313.0	0.0000200	0.0011000			
Boron	249.6	0.0000000	0.0000000			
Cadmium	228.8	0.0000000	0.0000900			
Calcium	317.9	0.0000000	0.0005000			
Chromium	267.7	0.0000400	0.0006000			
Cobalt	228.6	0.0018000	0.0000000			
Copper	324.7	-0.0007000	-0.0001000			
Iron	259.9	-0.0011000	0.0003000			
Lead	220.3	0.0007000	0.0000000			
Magnesium	383.2	-0.0042000	0.0000000			
Manganese	257.6	0.0000000	-0.0000700			
Molybdenum	202.0	0.0000000	0.0000000			
Nickel	231.6	0.0000000	0.0000000			
Phosphorus	214.9	0.0000000	0.0000000			
Potassium	766.5	0.0000000	0.0000000			
Selenium	196.0	0.0000000	0.0000000			
Silicon	288.1	0.0000000	0.0000000			
Silver	328.0	0.0000000	-0.0091000			
Sodium	588.9	0.0000000	0.0000000			
Strontium	421.5	0.0000000	0.0000000			
Thallium	190.8	-0.0005000	0.0000000			
Tin	189.9	0.0072000	0.0000000			
Titanium	334.9	0.0000000	0.0000000			
Vanadium	292.4	0.0003000	0.0000000			
Zinc	213.8	-0.0000200	0.0000000			

Comments:

Form XI (PART 2) - IN

TCLP METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	5.00	90000.0	6010B
Barium	5.00	180000.0	6010B
Cadmium	5.00	90000.0	6010B
Chromium	5.00	180000.0	6010B
Lead	5.00	180000.0	6010B
Selenium	5.00	90000.0	6010B
Silver	5.00	1800.0	6010B

Comments:

TCLP METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
K0608947-001D	10/19/06	EPA 3010A	50	50
K0608947-001S	10/19/06	EPA 3010A	50	50
LCSW	10/19/06	EPA 3010A	50	50
K0608882-MB	10/19/06	EPA 3010A	50	50
K0608882-009	10/19/06	EPA 3010A	50	50
LCSW2	11/17/06	EPA 3010A	50	50
K0608882-MB2	11/17/06	EPA 3010A	50	50
K0608882-008	11/17/06	EPA 3010A	50	50
K0608882-008D	11/17/06	EPA 3010A	50	50
K0608882-008S	11/17/06	EPA 3010A	50	50

TCLP METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: CV

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	METHOD	20	20
K0608882-MB	10/19/06	METHOD	20	20
K0608893-002	10/19/06	METHOD	100	100
K0608882-009	10/19/06	METHOD	20	20
K0608882-008	10/19/06	METHOD	20	20
K0608882-008D	10/19/06	METHOD	20	20
K0608882-008S	10/19/06	METHOD	20	20

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	10:50																X									
S0.2	1.00	10:51																X									
S0.5	1.00	10:52																X									
S1	1.00	10:53																X									
S5	1.00	10:54																X									
S10	1.00	10:55																X									
ICV	1.00	10:56																X									
ICB	1.00	10:57																X									
CCV1	1.00	10:58																X									
CCB1	1.00	10:59																X									
CRI	1.00	11:00																X									
K0608882-MB	1.00	11:01																X									
LCSW	1.00	11:02																X									
K0608882-008	1.00	11:03																X									
K0608882-008D	1.00	11:04																X									
K0608882-008S	1.00	11:05																X									
K0608882-009	1.00	11:06																X									
ZZZZZZ	1.00	11:07																									
ZZZZZZ	1.00	11:08																									
ZZZZZZ	1.00	11:09																									
CCV2	1.00	11:10																X									
CCB2	1.00	11:11																X									
ZZZZZZ	1.00	11:12																									
ZZZZZZ	1.00	11:13																									
ZZZZZZ	1.00	11:14																									
ZZZZZZ	1.00	11:15																									
ZZZZZZ	1.00	11:16																									
ZZZZZZ	1.00	11:17																									
ZZZZZZ	1.00	11:18																									
ZZZZZZ	1.00	11:19																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	11:20																									
ZZZZZZ	1.00	11:21																									
CCV3	1.00	11:22																X									
CCB3	1.00	11:23																X									
ZZZZZZ	1.00	11:24																									
ZZZZZZ	1.00	11:25																									
ZZZZZZ	1.00	11:26																									
ZZZZZZ	1.00	11:27																									
CCV4	1.00	11:28																X									
CCB4	1.00	11:29																X									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-STD1-BLANK	1.00	08:44				X	X		X		X				X						X	X					
CAL-STD3	1.00	08:46				X									X						X						
CAL-STD2	1.00	08:48					X		X		X											X					
ICV	1.00	08:50				X	X		X		X				X						X	X					
ZZZZZZ	1.00	08:55																									
ICB	1.00	08:57				X	X		X		X				X						X	X					
CCV1	1.00	08:59				X	X		X		X				X						X	X					
CCB1	1.00	09:02				X	X		X		X				X						X	X					
CRI	1.00	09:04				X	X		X		X				X						X	X					
ICSA	1.00	09:07				X	X		X		X				X						X	X					
ICSAB	1.00	09:09				X	X		X		X				X						X	X					
ZZZZZZ	1.00	09:12																									
ZZZZZZ	1.00	09:14																									
ZZZZZZ	1.00	09:16																									
ZZZZZZ	1.00	09:17																									
ZZZZZZ	1.00	09:19																									
ZZZZZZ	1.00	09:21																									
ZZZZZZ	1.00	09:23																									
CCV2	1.00	09:25				X	X		X		X				X						X	X					
CCB2	1.00	09:27				X	X		X		X				X						X	X					
ZZZZZZ	1.00	09:37																									
ZZZZZZ	1.00	09:40																									
ZZZZZZ	1.00	09:45																									
ZZZZZZ	1.00	09:47																									
ZZZZZZ	1.00	09:49																									
ZZZZZZ	1.00	09:51																									
ZZZZZZ	1.00	09:53																									
ZZZZZZ	1.00	09:55																									
ZZZZZZ	5.00	09:57																									
ZZZZZZ	1.00	09:59																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV3	1.00	10:00				X	X		X		X				X						X	X					
CCB3	1.00	10:02				X	X		X		X				X						X	X					
ZZZZZZ	1.00	10:04																									
ZZZZZZ	1.00	10:06																									
ZZZZZZ	1.00	10:08																									
K0608882-MB	1.00	10:10				X	X		X		X				X						X	X					
LCSW	1.00	10:12				X	X		X		X				X						X	X					
ZZZZZZ	1.00	10:14																									
ZZZZZZ	1.00	10:16																									
ZZZZZZ	1.00	10:18																									
ZZZZZZ	1.00	10:20																									
ZZZZZZ	1.00	10:22																									
CCV4	1.00	10:24				X	X		X		X				X						X	X					
CCB4	1.00	10:26				X	X		X		X				X						X	X					
ZZZZZZ	1.00	10:28																									
ZZZZZZ	1.00	10:30																									
ZZZZZZ	1.00	10:31																									
ZZZZZZ	1.00	10:33																									
K0608947-001D	1.00	10:35				X	X		X		X				X						X	X					
K0608947-001S	1.00	10:37				X	X		X		X				X						X	X					
ZZZZZZ	1.00	10:39																									
ZZZZZZ	1.00	10:41																									
ZZZZZZ	1.00	10:43																									
K0608882-009	1.00	10:45				X	X		X		X				X						X	X					
CCV5	1.00	10:47				X	X		X		X				X						X	X					
CCB5	1.00	10:49				X	X		X		X				X						X	X					
ZZZZZZ	1.00	10:51																									
K0608882-009L	5.00	10:54				X	X		X		X				X						X	X					
ZZZZZZ	1.00	10:56																									
ZZZZZZ	1.00	10:57																									

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Form XIV - IN

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
ZZZZZZ	1.00	10:59																									
ZZZZZZ	1.00	11:01																									
ZZZZZZ	1.00	11:03																									
ZZZZZZ	1.00	11:05																									
ZZZZZZ	5.00	11:07																									
CCV6	1.00	11:09				X	X		X		X				X						X	X					
CCB6	1.00	11:11				X	X		X		X				X						X	X					

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

TCLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 11/20/06

End Date: 11/20/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-STD1-BLANK	1.00	09:09				X	X		X		X				X						X	X					
CAL-STD3	1.00	09:11				X									X						X						
CAL-STD2	1.00	09:13					X		X		X											X					
ICV2	1.00	09:15				X	X		X		X				X						X	X					
ZZZZZZ	1.00	09:17																									
ICB2	1.00	09:19				X	X		X		X				X						X	X					
CCV1	1.00	09:26				X	X		X		X				X						X	X					
CCB1	1.00	09:30				X	X		X		X				X						X	X					
CRI2	1.00	09:32				X	X		X		X				X						X	X					
ICSA	1.00	09:35				X	X		X		X				X						X	X					
ICSAB	1.00	09:37				X	X		X		X				X						X	X					
K0608882-MB2	1.00	09:39				X	X		X		X				X						X	X					
LCSW2	1.00	09:41				X	X		X		X				X						X	X					
K0608882-008	1.00	09:43				X	X		X		X				X						X	X					
K0608882-008D	1.00	09:45				X	X		X		X				X						X	X					
K0608882-008S	1.00	09:47				X	X		X		X				X						X	X					
K0608882-008L	5.00	09:49				X	X		X		X				X						X	X					
CCV2	1.00	09:51				X	X		X		X				X						X	X					
CCB2	1.00	09:53				X	X		X		X				X						X	X					

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

SPLP METALS

- Cover Page -
INORGANIC ANALYSIS DATA PACKAGE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Sample No.	Lab Sample ID.
SCIT11	K0608882-019
SCIT11D	K0608882-019D
SCIT11S	K0608882-019S
SCIT13	K0608882-020
Method Blank	K0608882-MB

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:

Signature: [signature]

Date: 11/26/06

SPLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	09/29/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SPLP	Units:	MG/L
		Basis:	NA

Sample Name: SCIT11 Lab Code: K0608882-019

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	10/19/06	10/20/06	0.05	U	
Copper	6010B	0.020	0.007	1	10/19/06	10/20/06	0.725		
Mercury	7470A	0.0010	0.0005	1	10/19/06	10/20/06	0.0005	U	
Nickel	6010B	0.02	0.02	1	10/19/06	10/20/06	0.02	U	
Selenium	6010B	0.10	0.04	1	10/19/06	10/20/06	0.04	U	
Vanadium	6010B	0.010	0.003	1	10/19/06	10/20/06	0.007	B	

% Solids: 0.0

Comments:

SPLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client:	URS Corporation	Service Request:	K0608882
Project No.:	26219784	Date Collected:	10/06/06
Project Name:	Alaska Salt Chuck Mine	Date Received:	10/13/06
Matrix:	SPLP	Units:	MG/L
		Basis:	NA

Sample Name: SCIT13 Lab Code: K0608882-020

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	10/19/06	10/20/06	0.05	U	
Copper	6010B	0.020	0.007	1	10/19/06	10/20/06	0.009	B	
Mercury	7470A	0.0010	0.0005	1	10/19/06	10/20/06	0.0005	U	
Nickel	6010B	0.02	0.02	1	10/19/06	10/20/06	0.02	U	
Selenium	6010B	0.10	0.04	1	10/19/06	10/20/06	0.04	U	
Vanadium	6010B	0.010	0.003	1	10/19/06	10/20/06	0.009	B	

% Solids: 0.0

Comments:

SPLP METALS

-1-

INORGANIC ANALYSIS DATA SHEET

Client: URS Corporation

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Matrix: SPLP

Service Request: K0608882

Date Collected:

Date Received:

Units: MG/L

Basis: NA

Sample Name: Method Blank

Lab Code: K0608882-MB

Analyte	Analysis Method	MRL	MDL	Dil.	Date Extracted	Date Analyzed	Result	C	Q
Arsenic	6010B	0.10	0.05	1	10/19/06	10/20/06	0.05	U	
Copper	6010B	0.020	0.007	1	10/19/06	10/20/06	0.007	U	
Mercury	7470A	0.0010	0.0005	1	10/19/06	10/20/06	0.0005	U	
Nickel	6010B	0.02	0.02	1	10/19/06	10/20/06	0.02	U	
Selenium	6010B	0.10	0.04	1	10/19/06	10/20/06	0.04	U	
Vanadium	6010B	0.010	0.003	1	10/19/06	10/20/06	0.003	U	

% Solids: 0.0

Comments:

SPLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source: Inorganic Ventures

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic	2500	2520	101	2000	2010	101	2030	102	6010B
Copper	625	631	101	500	495	99	492	98	6010B
Mercury	5.0	5.18	104	5.0	5.05	101	5.05	101	7470A
Nickel	1250	1260	101	5000	5120	102	5110	102	6010B
Selenium	2500	2530	101	2000	1990	100	1990	100	6010B
Vanadium	1250	1280	102	500	500	100	501	100	6010B

SPLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				2000	2080	104	2080	104	6010B
Copper				500	502	100	489	98	6010B
Mercury				5.0	5.09	102	5.04	101	7470A
Nickel				5000	5270	105	5370	107	6010B
Selenium				2000	2060	103	2060	103	6010B
Vanadium				500	514	103	513	103	6010B

SPLP METALS
- 2a -
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICV Source:

CCV Source: Various

Concentration Units: ug/L

Analyte	Initial Calibration			Continuing Calibration					Method
	True	Found	%R(1)	True	Found	%R(1)	Found	%R(1)	
Arsenic				2000	2030	102	2080	104	6010B
Copper				500	462	92	470	94	6010B
Nickel				5000	5310	106	5480	110	6010B
Selenium				2000	1990	100	2040	102	6010B
Vanadium				500	496	99	507	101	6010B

SPLP METALS
- 2b -
CRDL STANDARD FOR AA AND ICP

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Concentration Units: ug/L

Analyte	CRDL Standard for AA			CRDL Standard for ICP				
				Initial			Final	
	True	Found	%R	True	Found	%R	Found	%R
Arsenic				100	75.1	75		
Copper				10	11.0	110		
Mercury	0.20	0.2200	110					
Nickel				20	21.8	109		
Selenium				100	133	133		
Vanadium				20	10.1	51		

SPLP METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank C			Method
Arsenic	50.00	U	50.00	U	50.00	U	50.00	U					6010B
Copper	7.000	U	7.000	U	7.000	U	7.000	U					6010B
Mercury	0.5000	U	0.5000	U	0.5000	U	0.5000	U					7470A
Nickel	20.00	U	20.00	U	20.00	U	20.00	U					6010B
Selenium	40.00	U	40.00	U	40.00	U	40.00	U					6010B
Vanadium	3.000	U	3.000	U	3.000	U	3.000	U					6010B

SPLP METALS
- 3 -
BLANKS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Preparation Blank Matrix (soil/water): WATER

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

Analyte	Initial Calib. Blank (ug/L)	C	Continuing Calibration Blank (ug/L) 1	C	2	C	3	C		Preparation Blank	C			Method
Arsenic			50.00	U	50.00	U	50.00	U						6010B
Copper			7.000	U	7.000	U	7.000	U						6010B
Mercury			0.5000	U										7470A
Nickel			20.00	U	20.00	U	20.00	U						6010B
Selenium			40.00	U	40.00	U	40.00	U						6010B
Vanadium			3.000	U	3.000	U	3.000	U						6010B

SPLP METALS

- 4 -

ICP INTERFERENCE CHECK SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

ICS Source: Inorganic Ventures

Concentration Units): ug/L

Analyte	True		Initial Found			Final Found		
	Sol.A	Sol.AB	Sol.A	Sol.AB	%R	Sol.A	Sol.AB	%R
Arsenic			-430.56	-404.25				
Copper		500	-31.460	444	89			
Nickel		1000	3.44	878	88			
Selenium			170	150				
Vanadium		500	-9.090	442	88			

SPLP METALS

- 5a -

SPIKE SAMPLE RECOVERY

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SPLP

Service Request: K0608882
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: SCIT11S
Lab Code: K0608882-019S

Analyte	Control Limit %R	Spike Result	C	Sample Result	C	Spike Added	%R	Q	Method
Arsenic	75 - 125	1.98		0.05	U	2.00	99		6010B
Copper	75 - 125	1.200		0.725		0.500	95		6010B
Mercury	75 - 125	0.0051		0.0005	U	0.0050	102		7470A
Nickel	75 - 125	1.06		0.02	U	1.00	106		6010B
Selenium	75 - 125	1.99		0.04	U	2.00	99		6010B
Vanadium	75 - 125	1.050		0.007	B	1.000	104		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

SPLP METALS

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DUPLICATES

Client: URS Corporation
Project No.: 26219784
Project Name: Alaska Salt Chuck Mine
Matrix: SPLP

Service Request: K0608882
Units: mg/L
Basis: NA
% Solids: 0.0

Sample Name: SCIT11D
Lab Code: K0608882-019D

Analyte	Control Limit (%)	Sample (S)	C	Duplicate (D)	C	RPD	Q	Method
Arsenic		0.05	U	0.05	U			6010B
Copper	20	0.725		0.730		1		6010B
Mercury		0.0005	U	0.0005	U			7470A
Nickel		0.02	U	0.02	U			6010B
Selenium		0.04	U	0.04	U			6010B
Vanadium		0.007	B	0.005	B	24		6010B

An empty field in the Control Limit column indicates the control limit is not applicabl

Form VI - IN

SPLP METALS

- 7 -

LABORATORY CONTROL SAMPLE

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Aqueous LCS Source: Inorganic Ventures

Solid LCS Source:

Analyte	Aqueous mg/L			Solid (mg/kg)				
	True	Found	%R	True	Found	C	Limits	%R
Arsenic	2.50	2.63	105					
Copper	0.625	0.614	98					
Mercury	0.00500	0.00501	100					
Nickel	1.25	1.37	110					
Selenium	2.50	2.54	102					
Vanadium	1.25	1.30	104					

SPLP METALS

- 9 -

ICP SERIAL DILUTIONS

Client: URS Corporation

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Service Request: K0608882

Units: ug/L

Sample Name: SCIT11L

Lab Code: K0608882-019L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	Method
Arsenic	50.0	U	250	U			6010B
Copper	725		748		3		6010B
Nickel	20.0	U	100	U			6010B
Selenium	40.0	U	200	U			6010B
Vanadium	6.92	B	20.4	B	195		6010B

SPLP METALS
-10-
METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #:

GFAA ID #:

AA ID #: CETAC-1

Analyte	Wave-length	Back-ground	MRL (mg/L)	MDL (mg/L)	Method
Mercury	253.70	BD	0.0010	0.0005	7470A

Comments:

SPLP METALS

-10-

METHOD DETECTION LIMITS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP/ICP-MS ID #: TJA ICP-OES 6.2

GFAA ID #:

AA ID #:

Analyte	Wave-length	Back-ground	MRL (mg/L)	MDL (mg/L)	Method
Arsenic	193.60		0.10	0.05	6010B
Copper	324.70		0.020	0.007	6010B
Nickel	231.60		0.02	0.02	6010B
Selenium	196.00		0.10	0.04	6010B
Vanadium	292.40		0.010	0.003	6010B

Comments:

SPLP METALS
-11A-
ICP INTERELEMENT CORRECTION FACTORS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	As
Aluminum	308.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.8	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	193.6	0.0046000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Boron	249.6	0.0000000	0.0000000	0.0004500	0.0003400	0.0000000
Cadmium	228.8	0.0000000	0.0000000	-0.0000600	0.0000000	0.0250000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	-0.0000300	0.0000000	0.0000000
Cobalt	228.6	-0.0000200	0.0000000	0.0000370	0.0000000	0.0000000
Copper	324.7	0.0000000	0.0000000	-0.0000800	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0014000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	0.0000000	0.0000000	0.0041000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	-0.0002000	0.0000000	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	-0.0000700	0.0000000	0.0000000
Nickel	231.6	0.0000000	0.0000000	-0.0000600	0.0000000	0.0000000
Phosphorus	214.9	0.0069000	0.0000000	0.0056000	0.0041000	0.0000000
Potassium	766.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Silicon	288.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	-0.0003000	0.0000000	0.0000000
Sodium	588.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	0.0062000	0.0000000	0.0000000
Tin	189.9	0.0000000	0.0000000	-0.0001000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	0.0000000	0.0000500	0.0000000	0.0000000
Zinc	213.8	0.0000000	0.0000000	0.0000410	0.0000000	0.0000000

Comments:

Form XI (PART 1) - IN

SPLP METALS
-11B-
ICP INTERELEMENT CORRECTION FACTORS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Co	Cr	Mn	Mo	Ni
Aluminum	308.2	-0.0170000	0.0000000	0.0000000	0.0230000	0.0000000
Antimony	206.8	-0.0032100	0.0200000	0.0000000	0.0049000	0.0070300
Arsenic	193.6	0.0000000	0.0012000	-0.0015000	0.0008360	0.0000000
Barium	493.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.0	0.0000000	0.0000000	0.0000000	0.0000470	0.0000000
Boron	249.6	0.0009000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	228.8	-0.0059400	0.0000000	0.0000000	0.0000000	0.0004600
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.7	0.0000000	0.0000000	0.0000000	0.0003200	0.0000000
Cobalt	228.6	0.0000000	0.0005500	0.0000000	0.0003050	0.0000000
Copper	324.7	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.9	0.0000000	0.0000000	-0.0068000	0.0008800	0.0000000
Lead	220.3	-0.0078200	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	383.2	-0.0029000	-0.0013600	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0004260	0.0000000
Molybdenum	202.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0001700
Nickel	231.6	0.0005200	0.0000000	0.0000000	0.0000000	0.0000000
Phosphorus	214.9	0.0000000	0.0000000	0.0000000	0.0076000	0.0000000
Potassium	766.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.0	0.0007400	0.0000000	0.0000000	0.0000000	0.0000000
Silicon	288.1	0.0000000	-0.0025000	0.0000000	0.0000000	0.0000000
Silver	328.0	0.0000000	0.0000000	0.0002100	0.0000000	0.0000000
Sodium	588.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Strontium	421.5	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.8	0.0000000	0.0000000	-0.0111000	0.0000000	0.0000000
Tin	189.9	0.0000000	-0.0100000	0.0000000	0.0000000	0.0000000
Titanium	334.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.4	0.0000000	-0.0058400	-0.0001000	0.0092000	0.0000000
Zinc	213.8	-0.0000630	0.0000000	0.0000000	0.0002000	0.0044800

Comments:

SPLP METALS
-11B-
ICP INTERELEMENT CORRECTION FACTORS

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Date:

Analyte	Wave-length (nm)	Interelement Correction Factors for: Ti	V			
Aluminum	308.2	-0.0004000	-0.0028000			
Antimony	206.8	0.0000000	-0.0070000			
Arsenic	193.6	0.0000000	0.0099000			
Barium	493.4	0.0000000	0.0000000			
Beryllium	313.0	0.0000200	0.0011000			
Boron	249.6	0.0000000	0.0000000			
Cadmium	228.8	0.0000000	0.0000900			
Calcium	317.9	0.0000000	0.0005000			
Chromium	267.7	0.0000400	0.0006000			
Cobalt	228.6	0.0018000	0.0000000			
Copper	324.7	-0.0007000	-0.0001000			
Iron	259.9	-0.0011000	0.0003000			
Lead	220.3	0.0007000	0.0000000			
Magnesium	383.2	-0.0042000	0.0000000			
Manganese	257.6	0.0000000	-0.0000700			
Molybdenum	202.0	0.0000000	0.0000000			
Nickel	231.6	0.0000000	0.0000000			
Phosphorus	214.9	0.0000000	0.0000000			
Potassium	766.5	0.0000000	0.0000000			
Selenium	196.0	0.0000000	0.0000000			
Silicon	288.1	0.0000000	0.0000000			
Silver	328.0	0.0000000	-0.0091000			
Sodium	588.9	0.0000000	0.0000000			
Strontium	421.5	0.0000000	0.0000000			
Thallium	190.8	-0.0005000	0.0000000			
Tin	189.9	0.0072000	0.0000000			
Titanium	334.9	0.0000000	0.0000000			
Vanadium	292.4	0.0003000	0.0000000			
Zinc	213.8	-0.0000200	0.0000000			

Comments:

Form XI (PART 2) - IN

SPLP METALS

-12-

ICP LINEAR RANGES (QUARTERLY)

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

ICP ID Number: TJA ICP-OES 6.2

Analyte	Integ. Time (Sec.)	Concentration (ug/L)	Method
Arsenic	5.00	90000.0	6010B
Copper	5.00	90000.0	6010B
Nickel	5.00	180000.0	6010B
Selenium	5.00	90000.0	6010B
Vanadium	5.00	90000.0	6010B

Comments:

SPLP METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: P

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	EPA 3010A	50.0	50
K0608882-MB	10/19/06	EPA 3010A	50.0	50
K0608882-019	10/19/06	EPA 3010A	50.0	50
K0608882-019D	10/19/06	EPA 3010A	50.0	50
K0608882-019S	10/19/06	EPA 3010A	50.0	50
K0608882-020	10/19/06	EPA 3010A	50.0	50

SPLP METALS
- 13 -
PREPARATION LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Method: CV

Lab Code	Preparation Date	Preparation Method	Initial (mL or grams)	Final Volume (mL)
LCSW	10/19/06	METHOD	20.0	20
K0608882-MB	10/19/06	METHOD	20.0	20
K0608882-019	10/19/06	METHOD	20.0	20
K0608882-019D	10/19/06	METHOD	20.0	20
K0608882-019S	10/19/06	METHOD	20.0	20
K0608882-020	10/19/06	METHOD	20.0	20

SPLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
S0	1.00	10:50																X									
S0.2	1.00	10:51																X									
S0.5	1.00	10:52																X									
S1	1.00	10:53																X									
S5	1.00	10:54																X									
S10	1.00	10:55																X									
ICV	1.00	10:56																X									
ICB	1.00	10:57																X									
CCV1	1.00	10:58																X									
CCB1	1.00	10:59																X									
CRI	1.00	11:00																X									
ZZZZZZ	1.00	11:01																									
ZZZZZZ	1.00	11:02																									
ZZZZZZ	1.00	11:03																									
ZZZZZZ	1.00	11:04																									
ZZZZZZ	1.00	11:05																									
ZZZZZZ	1.00	11:06																									
ZZZZZZ	1.00	11:07																									
ZZZZZZ	1.00	11:08																									
ZZZZZZ	1.00	11:09																									
CCV2	1.00	11:10																X									
CCB2	1.00	11:11																X									
ZZZZZZ	1.00	11:12																									
ZZZZZZ	1.00	11:13																									
ZZZZZZ	1.00	11:14																									
ZZZZZZ	1.00	11:15																									
ZZZZZZ	1.00	11:16																									
ZZZZZZ	1.00	11:17																									
ZZZZZZ	1.00	11:18																									
ZZZZZZ	1.00	11:19																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

SPLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: CETAC-1

Method: CV

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																								
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-MB	1.00	11:20																X									
LCSW	1.00	11:21																X									
CCV3	1.00	11:22																X									
CCB3	1.00	11:23																X									
K0608882-019	1.00	11:24																X									
K0608882-019D	1.00	11:25																X									
K0608882-019S	1.00	11:26																X									
K0608882-020	1.00	11:27																X									
CCV4	1.00	11:28																X									
CCB4	1.00	11:29																X									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

SPLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CAL-STD1-BLANK	1.00	08:44				X							X						X		X				X		
CAL-STD3	1.00	08:46				X							X								X				X		
CAL-STD2	1.00	08:48																	X								
ICV	1.00	08:50				X							X						X		X				X		
ZZZZZZ	1.00	08:55																									
ICB	1.00	08:57				X							X						X		X				X		
CCV1	1.00	08:59				X							X						X		X				X		
CCB1	1.00	09:02				X							X						X		X				X		
CRI	1.00	09:04				X							X						X		X				X		
ICSA	1.00	09:07				X							X						X		X				X		
ICSAB	1.00	09:09				X							X						X		X				X		
ZZZZZZ	1.00	09:12																									
ZZZZZZ	1.00	09:14																									
ZZZZZZ	1.00	09:16																									
ZZZZZZ	1.00	09:17																									
ZZZZZZ	1.00	09:19																									
ZZZZZZ	1.00	09:21																									
ZZZZZZ	1.00	09:23																									
CCV2	1.00	09:25				X							X						X		X				X		
CCB2	1.00	09:27				X							X						X		X				X		
ZZZZZZ	1.00	09:37																									
ZZZZZZ	1.00	09:40																									
ZZZZZZ	1.00	09:45																									
ZZZZZZ	1.00	09;47																									
ZZZZZZ	1.00	09:49																									
ZZZZZZ	1.00	09:51																									
ZZZZZZ	1.00	09:53																									
ZZZZZZ	1.00	09:55																									
ZZZZZZ	5.00	09:57																									
ZZZZZZ	1.00	09:59																									

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

SPLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
CCV3	1.00	10:00				X							X						X		X				X		
CCB3	1.00	10:02				X							X						X		X				X		
ZZZZZZ	1.00	10:04																									
ZZZZZZ	1.00	10:06																									
ZZZZZZ	1.00	10:08																									
ZZZZZZ	1.00	10:10																									
ZZZZZZ	1.00	10:12																									
ZZZZZZ	1.00	10:14																									
ZZZZZZ	1.00	10:16																									
ZZZZZZ	1.00	10:18																									
ZZZZZZ	1.00	10:20																									
ZZZZZZ	1.00	10:22																									
CCV4	1.00	10:24				X							X						X		X				X		
CCB4	1.00	10:26				X							X						X		X				X		
ZZZZZZ	1.00	10:28																									
ZZZZZZ	1.00	10:30																									
ZZZZZZ	1.00	10:31																									
ZZZZZZ	1.00	10:33																									
ZZZZZZ	1.00	10:35																									
ZZZZZZ	1.00	10:37																									
ZZZZZZ	1.00	10:39																									
ZZZZZZ	1.00	10:41																									
ZZZZZZ	1.00	10:43																									
ZZZZZZ	1.00	10:45																									
CCV5	1.00	10:47				X							X						X		X				X		
CCB5	1.00	10:49				X							X						X		X				X		
ZZZZZZ	1.00	10:51																									
ZZZZZZ	5.00	10:54																									
K0608882-MB	1.00	10:56				X							X						X		X				X		
LCSW	1.00	10:57				X							X						X		X				X		

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

Form XIV - IN

SPLP METALS
- 14 -
ANALYSIS RUN LOG

Client: URS Corporation

Service Request: K0608882

Project No.: 26219784

Project Name: Alaska Salt Chuck Mine

Instrument ID Number: TJA ICP-OES 6.2

Method: P

Start Date: 10/20/06

End Date: 10/20/06

Sample ID.	D/F	Time	% R	Analytes																							
				AL	SB	AS	BA	BE	CD	CA	CR	CO	CU	FE	PB	MG	MN	HG	NI	K	SE	AG	NA	TL	V	ZN	CN
K0608882-019	1.00	10:59				X							X						X		X				X		
K0608882-019D	1.00	11:01				X							X						X		X				X		
K0608882-019S	1.00	11:03				X							X						X		X				X		
K0608882-020	1.00	11:05				X							X						X		X				X		
K0608882-019L	5.00	11:07				X							X						X		X				X		
CCV6	1.00	11:09				X							X						X		X				X		
CCB6	1.00	11:11				X							X						X		X				X		

* - Denotes additional elements (other than the standard elements) are represented on another Form 14

TCLP Extraction Worksheet

Service Request Number(s) :

Method : 1311 1312 Wet Ext. TCLP

39298

Sample Number	Sample Description (Solid, Liquid, Multiphasic)	Partical Size < 1cm ?	Solution Determination Weight (g)	Initial pH	Aliquot of 1N HCl (mL)	Final pH	Solution To Be Used	Extraction Weight (g)	Extraction Solution Volume (mL)	Post-Extraction pH
PBE										
K8958-1	hold off - sample vol. to limited...				RW 10-18-06		#1		2000	
K8845-1	Solid	yes	5.00	8.59	3.5	1.68	#1	91.6	1832	4.88
* K8947-1			5.00	9.95		3.39		50.0	1000	6.13
K8882-8			5.00	9.16		1.62		100	2000	5.18
-9			5.00	9.81		1.44		100		4.89
K8893-1			5.00	6.28		1.62		100		4.94
-2			5.00	3.57	—	1.60				4.73
-3			5.00	8.87	3.5	RW 10-18-06				5.21
-4			5.00	8.97		1.68				5.35
-5			5.00	7.65		1.63				4.92
-6			5.00	7.17		1.68				4.91
										RW 10-18-06

pH Meter Calibrated at pH4 & pH7 Today? Yes / No

Extraction Solution Prep date: soln #1 10-16-06 (DGL-16-HH)

Extraction Solution pH: 4.93

Extraction Started Time: 4:40 pm Date: 10-18-06

Extraction Finished Time: 9:05 Am Date: 10-19-06

Tumbler Rotational Speed: #1: 29.4 Rpm #4: 29.7 Rpm

* samples original SR# = K0606754

Room Temperature at the Beginning of Extraction: 23.8°C

Analyst: [signature] Date: 10-18-06 Reviewer: [signature] Date: 10/20/06

r:\icp\misc\digforms\TCLP

624

B - 1252

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s): K0608947, K0608882, K0608893
Star Lims Run No.: 39301

Method: CLP (3010A) 3020A 3005A 3050B CLP Hot Block Other- TCLP

Analysis for: (ICP) ICP-MS GFAA Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBE				50	50	6x HNO3 6x HCl
LCSE						
K8947-1			X			
-1d						
-1s						
K8882-8						
-8d						
-8s						
-9						
K8893-1						
-1d						
-1s						
-2						
-3						
-4						
-5						
-6						
						RW 10-19-06

per Margot for #8 report #9 SMK 11/20

Time Digestion Started: 3:10 pm

Lot # Acids Used: HNO3 C28025 HCl 46109 H2O2 _____

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other: _____

GFAA LCSW = GFLCSW, MET1-52-W, _____ mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, _____ mls. added
QCP CICV-2, MET1-51-T, _____ mls. added
QCP CICV-3, MET1-51-U, _____ mls. added
SS6, MET1-52-V, _____ mls. added

8882 8D - wasn't diluted to 50mls, started ICP analysis before noticing. don't know True Final Vol. SMK 11/14/06

TCLP Spike/LCSE
TSS1 MET1-47-C 0.5 mls. added

SPIKE INFO
SS1-MET1-52-U, _____ mls added SS4-MET1-48-A, _____ mls added
SS5-MET1-52-H, _____ mls added 200.8 1000ppb Stock (MS9-85-A) _____ mls added
SS6-MET1-52-V, _____ mls added Ag 1000ppb Stock (MS9 -62-H) _____ mls added

Additional spikes: _____

Comments: _____

Analyst [signature] Date 10-19-06
Reviewer [signature] Date 10/20/06

metdig.xls

TCLP Spike Solution

TSS 1 Expires on.... 2-1-2007

Service Request No. K8947, K8883, K8893

TCLP Method No. 1311

Solution # MET1-47-C	Element	Source	Lot#	Exp. Date	Solution Conc.	Volume of Solution Added	Initials and Date
TSS1 1/17/2006	HNO3	IV	MET1-47-C	2/1/2007	5%	0.5	RW 10-19-06
	Ag	IV	MET1-47-C	2/1/2007	100		
	Pb	IV	MET1-47-C	2/1/2007	500		
	As	IV	MET1-47-C	2/1/2007	500		
	Ba	IV	MET1-47-C	2/1/2007	1000		
	Cd	IV	MET1-47-C	2/1/2007	100		
	Cr	IV	MET1-47-C	2/1/2007	500		
	Se	IV	MET1-47-C	2/1/2007	100		

Additional spikes

Element	Source	Lot #	mls of	ppm	Exp. date	Initials and date

This solution is a custom mix: CAS-CAL-18

TCLPSPK

Columbia Analytical Services
Metals Digestion Sheet

Extr/Prep Batch
KP0612957

Service Request Number(s): K8862
Star Lims Run No.:

Redigest

Method: CLP ~~3010A~~ 3020A
3005A 3050B CLP Hot Block Other-TCLP

Analysis for: ICP ICP-MS GFAA
Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBS				50	50	6% HNO3/9% HCl
LCSS				↓	↓	↓
K8862-8			X			
↓ -8d			↓			
-8s						
						RW
						11-17-06

Time Digestion Started: 12:50 pm

Lot # Acids Used: HNO3 C28025 **HCl** 46109 **H2O2** _____

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other: _____

GFAA LCSW = GFLCSW, MET1-52-W, _____ mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, _____ mls. added
QCP CICV-2, MET1-51-T, _____ mls. added
QCP CICV-3, MET1-51-U, _____ mls. added
SS6, MET1-52-Y, _____ mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C 0.5 mls. added

SPIKE INFO
SS1-MET1-52-U, _____ mls added SS4-MET1-48-A, _____ mls added
SS5-MET1-52-X, _____ mls added 200.8 1000ppb Stock (MS9-85-A) _____ mls added
SS6-MET1-52-Y, _____ mls added Ag 1000ppb Stock (MS9 -62-H) _____ mls added

Additional spikes: _____

Comments: _____

Analyst [signature] **Date** 11-17-06
Reviewer [signature] **Date** 11/20/06

metdig.xls

TCLP Spike Solution

TSS 1 Expires on.... 2-1-2007

Service Request No. K8882

TCLP Method No. 1311

Solution # MET1-47-C	Element	Source	Lot#	Exp. Date	Solution Conc.	Volume of Solution Added	Initials and Date
	HNO3	IV	MET1-47-C	2/1/2007	5%		RJ
TSS1	Ag	IV	MET1-47-C	2/1/2007	100		
1/17/2006	Pb	IV	MET1-47-C	2/1/2007	500	0.5	11-17-06
	As	IV	MET1-47-C	2/1/2007	500		
	Ba	IV	MET1-47-C	2/1/2007	1000		
	Cd	IV	MET1-47-C	2/1/2007	100		
	Cr	IV	MET1-47-C	2/1/2007	500		
	Se	IV	MET1-47-C	2/1/2007	100		

Additional spikes

Element	Source	Lot #	mls of	ppm	Exp. date	Initials and date

This solution is a custom mix: CAS-CAL-18

TCLPSPK

TCLP Extraction Worksheet

Service Request Number(s) :

Method : 1311 1312 Wet Ext.

Splp

39300

Sample Number	Sample Description (Solid, Liquid, Multiphasic)	Partical Size < 1cm ?	Solution Determination Weight (g)	Initial pH	Aliquot of 1N HCl (mL)	Final pH	Solution To Be Used	Extraction Weight (g)	Extraction Solution Volume (mL)	Post-Extraction pH
9BE							* Blank - DI H_2O		2000	
K8882-19	solid	yes					↓	100	↓ RW 10-19-06	~~6.~~ 7.72
↓ -20	↓	↓					↓	100	↓	7.74
										RW 10-18-06

pH Meter Calibrated at pH4 & pH7 Today? Yes / No

Extraction Solution Prep date: N/A * see Note Below

Extraction Solution pH: N/A

Extraction Started Time: 4:40 pm Date: 10-18-06

Extraction Finished Time: 9:05 Am Date: 10-19-06

* client sent solution to use for samples. RW 10-18-06

Tumbler Rotational Speed: #1: 29.4 Rpm, #4: 29.7 Rpm

Room Temperature at the Beginning of Extraction: 23.8 °C

Analyst: [signature] Date: 10-18-06 Reviewer: [signature] Date: 10/20/06

r:\icp\misc\digforms\TCLP

629

B - 1257

Columbia Analytical Services
Metals Digestion Sheet

Service Request Number(s) : K0608882
Star Lims Run No.: 39302

Method : CLP 3010A 3020A
3005A 3050B CLP Hot Block Other- SPLP

Analysis for : ICP ICP-MS GFAA
Flame AA Other

Sample	Initial Weight (g)	Dry	Wet	Initial Volume(ml)	Final Volume (ml)	Matrix
PBE				50	50	6%HNO3/5%HCl
LCSE						
K8882-19			X			
-19d						
-19s						
-20						
						RW 10-18-06 19 RW

Time Digestion Started: 3:10 pm

Lot # Acids Used: HNO3 C280225 **HCl** 46109 **H2O2** _____

LCSS (circle appropriate) ERA CLP Soil Lot # D045540 Other:_____

GFAA LCSW = GFLCSW, MET1-52-W, _____ mls. added
ICP LCSW = CLP-CV-1, MET1-52-A, 0.25 mls. added
QCP CICV-2, MET1-51-T, _____ mls. added
QCP CICV-3, MET1-51-U, _____ mls. added
SS6, MET1-52-V, 0.5 mls. added

TCLP Spike/LCSE
TSS1 MET1-47-C _____ mls. added

SPIKE INFO
SS1-MET1-52-U, 1.0 mls added SS4-MET1-48-A, _____ mls added
SS5-MET1-52-H, 1.0 mls added 200.8 1000ppb Stock (MS9-85-A) _____ mls added
SS6-MET1-52-V, 1.0 mls added Ag 1000ppb Stock (MS9 -62-H) _____ mls added

Additional spikes:_____

Comments: _____

Analyst Robert Nolan **Date** 10-19-06
Reviewer [illegible] **Date** 10/20/06

metdig.xls

METALS SPIKE FORM

Service Request # H8882 -
Q.C. Sample # H8882-19

Circle type of digest: GFAA (ICP) FAA ICP-MS Other:_____ Initials / Date: RN / 10-19-06
Circle type of sample: Soil Water (Misc) Sludge Oil Other:_____

Solution Name	Element	mls of 1000ppm Solution	Final Volume	Source	Lot#	Exp. Date	Solution Conc. mg/L	Enter mls Added	
SS1-MET1-52-U	HNO3	50.0	1000ml	JT Baker	C28025	-	-		
	Al	100	1000ml		Z-MEB213068	9/1/2007	200		
	Ag	100	1000ml		Z-MEB213068	9/1/2007	5		
	Ba	100	1000ml		Z-MEB213068	9/1/2007	200		
	Be	100	1000ml		Z-MEB213068	9/1/2007	5		
	Cd	100	1000ml		Z-MEB213068	9/1/2007	5		
	Co	100	1000ml		Z-MEB213068	9/1/2007	50		Expires:7/1/07
	Cr	100	1000ml		Z-MEB213068	9/1/2007	20		
	Cu	100	1000ml		Z-MEB213068	9/1/2007	25		
	Fe	100	1000ml		Z-MEB213068	9/1/2007	100		
	Pb	100	1000ml		Z-MEB213068	9/1/2007	50		
	Mn	100	1000ml		Z-MEB213068	9/1/2007	50		
	Ni	100	1000ml		Z-MEB213068	9/1/2007	50		
	Sb	50*	1000ml		MET1-50-J	7/1/2007	50		
	V	100	1000ml		Z-MEB213068	9/1/2007	50		
	Zn	100	1000ml		Z-MEB213068	9/1/2007	50	1.0	
SS4-MET1-52-T	HNO3	25.0	500ml	JT BAKER	A48046	-	-		
	As	2.0	500ml	MET1-47-I	529701	7/11/2007	4		
	Cd	2.0	500ml	MET1-49-L	605906	12/15/2007	4		
	Pb	2.0	500ml	MET1-50-C	611804	12/15/2007	4		Expires:7/11/07
	Se	2.0	500ml	MET1-49-M	616579	12/15/2007	4		
	Tl	2.0	500ml	MET1-49-O	616317	12/15/2007	4		
	Cu	2.0	500ml	MET1-50-E	611815	12/15/2007	4		
SS5-MET1-52-H	HNO3	25.0	500ml	JT BAKER	B41068	-	-		
	As	50.0	500ml	MET1-47-I	529701	7/11/2007	100		Expires:7/1107
	Se	50.0	500ml	MET1-49-M	616519	10/31/2006	100		
	Tl	50.0	500ml	MET1-49-O	616317	12/15/2007	100	1.0	
SS6-MET1-52-V	HNO3	25	500ml	JT BAKER	B41068	-	-		
	B	50	500ml	MET1-50-D	60216	12/15/2007	100	1.0 spike / 0.5 LCS	Expires: 2/1/07
	Mo	50	500ml	MET1-46-O	Y-M002010	2/1/2007	100		
GFLCSW (MET1-52-W)	HNO3	10.0	1000ml	JT BAKER	C28025	-	-		
	As, Pb, Se, Tl	5.0	1000ml	QCP-CICV-3	Y-MEB194030	8/1/2007	2.5		
	Cd	-	-	QCP-CICV-3	Y-MEB194030	8/1/2007	1.25		Expires: 8/1/2007
	Cu	2.5	1000ml	MET1-50-E	611815	12/15/2007	2.5		
CLP-CV-I (MET1-52-A)	Ca, Mg, Na, K	no dilution	-	HP	620009	8/9/2007	2500		
	Al, Ba	no dilution	-	HP	620009	8/9/2007	1000		
	Fe	no dilution	-	HP	620009	8/9/2007	500		Expires:8/09/07
	Co, Mn, Ni, V, Zn	no dilution	-	HP	620009	8/9/2007	250		
	Cu, Ag	no dilution	-	HP	620009	8/9/2007	125		
	Cr	no dilution	-	HP	620009	8/9/2007	100		
	Be	no dilution	-	HP	620009	8/9/2007	25	0.25	
QCP-CICV-2 (MET1-51-T)	Sb	no dilution	-	IV	Y- MEB194029	8/1/2007	500		Expires: 08/1/07
QCP-CICV-3 (MET1-51-U)	As, Pb, Se, Tl	no dilution	-	IV	Y- MEB194030	8/1/2007	500		Expires: 08/01/07
	Cd	no dilution	-	IV	Y- MEB194030	8/1/2007	250		

* Denotes volume of 1000 ppm stock standard.

Element	mls of	ppm	Source	Lot# / Lab Code	Exp. Date

9-26-06

Atomic Absorption Data Review Form

Element: Hg

Analysis Lot #: 68530

Cal. STD/CCV Source: HG1-53-J

Service Request Numbers:

K ~~8882~~ K 8893 K8947

	Yes	No	NA
1) Appropriate standardization completed	✓		
2) ICV within 10% of true value	✓		
3) CCVs in control	✓		
4) CCBs and or ICBs below MRL	✓		
5) All reported samples within calibration range	✓		
6) Calculations correct	✓		

Comments: Rush : K8893

Primary Reviewed By: JPatterson Date: 10-20-06

Secondary Reviewed By: EMA Date: 10/20/06

COLUMBIA ANALYTICAL SERVICES, INC.
ANALYTICAL WORKSHEET

PRINTOUT WITH:_____

Methods: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)	
1	ICV	—	—	—	5.18		104%	
2	ICB	—	—	—	-0.01		<0.2	
3	CCV1	—	—	—	5.05		101%	
4	CCB1	—	—	—	-0.00		<0.2	
5	CRA	—	—	—	0.22		0.22	110%
6	PBE#1 (39304)	20ml	20ml	—	0.00		<0.2	
7	LCSE#1			—	4.88		4.9	98%
8	K0608882-008			—	0.00		<0.2	$\bar{x}$=ND
9	-008d			—	0.01		<0.2	RPD=-
10	-008S			—	5.12		5.1	102%
11	-009			—	0.81		0.8	
12	K0608893-001			—	-0.00		<0.2	$\bar{x}$=ND
13	-001d			—	-0.01		<0.2	RPD=-
14	-001S			—	4.85		4.9	97%
15	CCV2	—	—	—	5.05		101%	
16	CCB2	—	—	—	-0.01		<0.2	
17	K0608893002	20ml	20ml	—	-0.00		<0.2	
18	-003			—	-0.00		<0.2	
19	-004			—	0.00		<0.2	
20	-005			—	-0.01		<0.2	
21	-006			—	0.04		<0.2	
22	K0608947-001			—	-0.00		<0.2	$\bar{x}$=ND
23	-001d			—	-0.01		<0.2	RPD=-
24	-001S			—	4.91		4.9	
25	PBE (39302) SPLP			—	-0.01		<0.2	

Comments: Reporting Levels:

Waters - 0.2 µg/L — TIME STARTED:

Soil - 0.02 mg/kg

TCLP - 1 µg/L

Water Spike Level : 1.0 µg/L

Soil Spike Level : 5.0 µg/L = mg/kg

TCLP Spike Level : 5.0 µg/L

Analyst:	Date:	Page Number:
SPatterson	10-20-06	1 of 2

[HGFORM] HG1.XLS

COLUMBIA ANALYTICAL SERVICES, INC. PRINTOUT WITH:_____
ANALYTICAL WORKSHEET

Method: (Circle One) 7470A 7471A 245.1	Service Request # :
Analysis For: Hg	

DATA

Pos.	SAMPLE NUMBER	Initial Sample (g) or (mL)	Initial Dilution (mL)	Dilution Factor	(µg/L) Measured	Sample Actual (mg/kg)	Sample Actual (µg/L)	
26	LCSE (39303)	20	20	—	5.01		5.0	100%
27	CCV3	—	—	—	5.09		5.1	102%
28	CCB3	—	—	—	-0.01		<0.2	
29	K0608882-019	20ml	20ml	—	0.07		<0.2	$\bar{x}$=ND
30	-019d			—	0.07		<0.2	RPD= —
31	-019S			—	5.10		5.1	102%
32	-020			—	0.02		<0.2	
33	CCV4	—	—	—	5.04		101%	
34	CCB4	—	—	—	-0.02		<0.2	
35								
36								
37								
38								
39								
40								
41								
42								
43								
44								
45								
46								
47								
48								
49								
50								

SP 10-20-06

Comments: Reporting Levels:
Waters - 0.2 µg/L
Soil - 0.02 mg/kg
TCLP - 1 µg/L

Water Spike Level : 1.0 µg/L
Soil Spike Level : 5.0 µg/L = mg/kg
TCLP Spike Level : 5.0 µg/L

Analyst:	Date:	Page Number:
[signature]	10-20-06	2 of 2

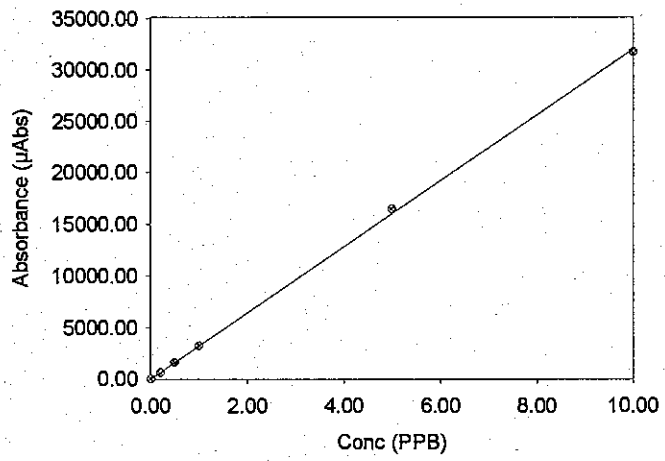
[HGFORM] HG2.XLS

CETAC Hg Analysis Report - 06102000.DB - Friday, October 20, 2006, 12:02:27 PM

Analyst S. Patterson
Date Started Friday, October 20, 2006, 10:50:15
Worksheet Hg 10/20/06 Run 1
Comment 68530

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
Calibration Zero	20-Oct-2006, 10:50	0.00	23.50	34.50	32	27	33	46	
Standard #1	20-Oct-2006, 10:52	0.20	2.25	654.00	633	665	664	654	
Standard #2	20-Oct-2006, 10:53	0.50	1.75	1660.00	1622	1665	1660	1693	
Standard #3	20-Oct-2006, 10:55	1.00	2.68	3270.00	3178	3314	3371	3221	
Standard #4	20-Oct-2006, 10:57	5.00	1.08	16500.00	16259	16470	16606	16659	
Standard #5	20-Oct-2006, 10:59	10.00	0.59	31700.00	31465	31762	31888	31825	

Calibration Data



Int.	0.000
Slope	3199.601
Correlation	0.99980

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICV	20-Oct-2006, 11:00	5.18	2.39	16600.00	16186	16387	16685	17096	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
ICB	20-Oct-2006, 11:02	-0.01	65.00	-19.00	-7	-10	-27	-32	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV1	20-Oct-2006, 11:04	5.05	2.12	16200.00	15833	16021	16195	16634	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB1	20-Oct-2006, 11:06	-0.00	381.00	-4.43	19	-3	-19	-14	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CRA	20-Oct-2006, 11:07	0.22	2.54	689.00	665	687	700	704	
PBE #1(39304)	20-Oct-2006, 11:09	0.00	17.00	13.80	12	17	13	13	
LCSE #1 (39304)	20-Oct-2006, 11:11	4.88	1.10	15600.00	15386	15624	15745	15756	
K0608882-008	20-Oct-2006, 11:13	0.00	103.00	5.89	13	4	8	-1	
K0608882-008D	20-Oct-2006, 11:15	0.01	44.80	23.00	10	34	27	21	
K0608882-008S	20-Oct-2006, 11:16	5.12	1.49	16400.00	16058	16383	16588	16561	
K0608882-009	20-Oct-2006, 11:18	0.81	0.91	2600.00	2564	2595	2603	2620	
K0608893-001	20-Oct-2006, 11:20	-0.00	102.00	-4.48	-4	-2	-11	-1	
K0608893-001D	20-Oct-2006, 11:22	-0.01	21.40	-31.50	-32	-27	-41	-26	
K0608893-001S	20-Oct-2006, 11:23	4.85	1.60	15500.00	15280	15449	15507	15870	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV2	20-Oct-2006, 11:25	5.05	1.06	16200.00	15934	16137	16238	16335	
CCB2	20-Oct-2006, 11:27	-0.01	26.50	-32.80	-24	-29	-34	-44	Q

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608893-002	20-Oct-2006, 11:30	-0.00	20.70	-11.90	-9	-12	-14	-13	
K0608893-003	20-Oct-2006, 11:32	-0.00	35.40	-8.50	-13	-7	-9	-6	
K0608893-004	20-Oct-2006, 11:34	0.00	10.20	11.40	12	10	11	13	

CETAC Hg Analysis Report - 06102000.DB - Friday, October 20, 2006, 12:02:27 PM

Analyst S. Patterson
Date Started Friday, October 20, 2006, 11:36:11
Worksheet Hg 10/20/06 Run 1
Comment 68530

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608893-005	20-Oct-2006, 11:36	-0.01	45.80	-21.90	-27	-27	-26	-7	
K0608893-006	20-Oct-2006, 11:37	0.04	3.38	137.00	131	138	136	143	
K0608947-001	20-Oct-2006, 11:39	-0.00	22.00	-6.91	-8	-8	-5	-7	
K0608947-001D	20-Oct-2006, 11:41	-0.01	36.10	-35.30	-49	-39	-34	-19	
K0608947-001S	20-Oct-2006, 11:43	4.91	1.64	15700.00	15344	15724	15881	15902	
PBE (39303) SPLP	20-Oct-2006, 11:45	-0.01	43.00	-27.20	-17	-21	-28	-43	
LCSE (39303)	20-Oct-2006, 11:46	5.01	2.66	16000.00	16571	16169	15715	15663	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV3	20-Oct-2006, 11:48	5.09	1.63	16300.00	16646	16264	16052	16120	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB3	20-Oct-2006, 11:50	-0.01	25.10	-37.30	-27	-33	-41	-48	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
K0608892-019	20-Oct-2006, 11:52	0.07	1.89	232.00	229	230	230	238	
K0608892-019D	20-Oct-2006, 11:54	0.07	2.29	233.00	228	229	235	239	
K0608892-019S	20-Oct-2006, 11:55	5.10	3.18	16300.00	15605	16299	16704	16709	
K0608892-020	20-Oct-2006, 11:57	0.02	14.00	58.10	64	66	50	52	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCV4	20-Oct-2006, 11:59	5.04	2.04	16100.00	15812	16004	16107	16584	

Sample ID	Analysis Time	Conc (PPB)	%RSD	Avg. µAbs	Readings				Flags
CCB4	20-Oct-2006, 12:01	-0.02	11.40	-53.40	-47	-51	-55	-61	

Columbia Analytical Services

EPA METHOD 7470A

Prep#: 39304 Prep Run: 39303

Service Request Number(s) : K8882 , K8893 , K8947

Sample	Initial Volume	Final Volume	Sample	Initial Volume	Final Volume
PBE#1	20ml	20ml	PBE SPLP	20ml	20ml
LCSE#1			LCSE		
K0608882-008			K0608882-019		
-008d			-019d		
-008S			-019S		
-009			-020		
K0608893-001					
-001d					
-001S					
-002					
-003					
-004					
-005					
-006					
K0608947-001					
-001d					
-001S					
		SP 10-19-06			
					SP 10-19-06
Std. 0.2	0.2 *				100
Std. 0.5	0.5 *				100
Std. 1.0	1.0 *				100
Std. 5.0	5.0 *				100
Std. 10.0	10.0 *				100
ICV	0.5 **				100

Lot # of Reagents Used:

HNO3: C28025 **K2S2O8: T44H13** **NaCl: B06585**

H2SO4: 46023 **KMnO4: B40610** **NH2OH-HCL: B45634**

HCL: 46109 **SnCl2: C05608**

LCSS = **ERA CLP Soil Lot # D045540** **Other:** Waterbath @ 95°C

LCSW= **ICV Intermediate stock solution.**

*** Source Standard:** HG1-53-J **100 ppb**

**** Source Standard: ICV** HG1-53-E **1000 ppb**

TIME STARTED:

Comments: 0.1ml 1000ppb std to spikes/LCSE (HG1-53-E)

Analyst: S Patterson

Date: 10-19-06

[HGFORM] 7470

Service Request # K0608882: TCLP + SPLP
Instrument ID# K-ICP-AES-01

ICP-OES Data Review Form

		Yes	No
1.	Standardization completed	✓	
2.	ICV within 10 % of true value	✓	
3.	ICB below MRL	✓	
4.	CRI standard analyzed.	✓	
5.	ICS standards within 20% of true value	✓	
6.	All preceding CCVs within 10 % of true value	✓	
7.	Following CCV within 10 % of true value	✓	
8.	Bracketing CCBs below MRL	✓	
9.	Method Blank below MRL	✓	
10.	MS-MSD or Dup-MS and LCS within CAS control limits	✓	
11.	All analytes within instrument linear range	✓	
12.	Adequate rinse out time allowed between samples to eliminate memory effect	✓	

Comments
NR Cd by 200.7. NR Sn after CCV3.

Primary Review by [illegible] Date 10/20/06

Secondary Review by [illegible] Date 11/6/6

Method: CUMNCD Sample Name: CUMNCD Operator: MMR
Run Time: 10/20/06 08:36:32
Comment: ICP3-62-D
Mode: IR Corr. Factor: 1

Elem	Cd2288	Mn2576
Avge	912.3	7.040
SDev	2.8	.013
%RSD	.3059	.1844
#1	909.0	7.034
#2	918.0	7.041
#3	911.0	7.048
#4	910.0	7.053
#5	910.0	7.041
#6	914.0	7.064
#7	910.0	7.042
#8	914.0	7.024
#9	914.0	7.021
#10	913.0	7.035

IntStd	1	2	3	4	5	6	7
Mode	*Counts	None	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Cu	--	--	--	--	--	--
Wavlen	324.754	--	--	--	--	--	--
Avge	1738	1	--	--	--	--	--
SDev	7.011895	.0000000	--	--	--	--	--
%RSD	.4035623	.0000000	--	--	--	--	--
#1	1741	1	--	--	--	--	--
#2	1734	1	--	--	--	--	--
#3	1737	1	--	--	--	--	--
#4	1728	1	--	--	--	--	--
#5	1740	1	--	--	--	--	--
#6	1731	1	--	--	--	--	--
#7	1733	1	--	--	--	--	--
#8	1744	1	--	--	--	--	--
#9	1752	1	--	--	--	--	--
#10	1735	1	--	--	--	--	--

Method: 20064 Standard: STD1-Blank
Run Time: 10/20/06 08:44:36

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	.0075	.0003	.0001	.0001	.0011	.0124	-.0001
#1	.0097	.0009	.0006	.0001	.0011	.0126	-.0001
#2	.0053	-.0003	-.0003	.0000	.0011	.0123	-.0001

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Avge	-.0003	.0003	.0004	.0007	.0014	-.0006	.0003
#1	.0006	-.0004	.0006	.0011	.0016	-.0007	.0003
#2	-.0013	.0010	.0003	.0003	.0011	-.0004	.0003

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Avge	-.0014	.0000	.0006	-.0006	.0098	.0041	-.0013
#1	-.0019	.0000	.0004	-.0004	.0141	.0076	-.0009
#2	-.0010	.0000	.0009	-.0007	.0054	.0007	-.0017

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Avge	.1032	.0000	-.0002	.0002	-.0005	.0092	.0021
#1	.1089	.0001	-.0001	.0003	.0012	.0124	.0021
#2	.0976	-.0001	-.0003	.0001	-.0023	.0060	.0021

Elem	Tl1908	Li6707	Sr4215
Avge	-.0027	.0002	.0000
#1	-.0027	.0004	.0001
#2	-.0027	-.0001	-.0001

CMMR
10/20/06

Method: 20064 Standard: STD3
Run Time: 10/20/06 08:46:26 ICP3-TB-B 68523

Elem	Al3082	As1936	Be3130	Ca3179	Co2286	Cu3247	Fe2599
Avge	1.805	.6249	1.086	5.146	.2804	.2866	5.190
#1	1.798	.6224	1.083	5.138	.2801	.2857	5.175
#2	1.813	.6274	1.090	5.155	.2806	.2876	5.205

Elem	Pb2203	Mg2795	Mg3832	Mn2576	Mo2020	Se1960	V_2924
Avge	2.296	5.985	.3373	2.327	.1712	.5780	.4334
#1	2.288	5.969	.3380	2.321	.1706	.5760	.4326
#2	2.305	6.001	.3366	2.332	.1719	.5800	.4341

Elem	Zn2138	Ti3349
Avge	1.051	.5269
#1	1.048	.5253
#2	1.053	.5284

Method: 20064 Standard: STD2
Run Time: 10/20/06 08:48:19 ICB-TB-C 68523

Elem	Sb2068	Ba4934	B_2496	Cd2288	Cr2677	Ni2316	K_7665
Avge	1.371	.2801	.9932	.1616	6.636	1.244	.8229
#1	1.376	.2806	.9949	.1617	6.648	1.249	.8251
#2	1.367	.2795	.9916	.1614	6.623	1.239	.8206

Elem	Ag3280	Na5889	Sn1899	P_2149	Si2881	Tl1908	Li6707
Avge	.2805	12.77	3.112	2.281	3.415	.3864	.6596
#1	.2809	12.76	3.126	2.287	3.421	.3841	.6579
#2	.2801	12.78	3.097	2.276	3.409	.3886	.6613

Elem	Sr4215
Avge	.5413
#1	.5424
#2	.5401

Analysis Report QC Standard 10/20/06 08:55:32 AM page 1

Method: 20064 Sample Name: ICV Operator: MMR
Run Time: 10/20/06 08:50:13
Comment: ICP3-73-F
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.061	2.489	2.519	5.107	.1241	.0171	Q1.314
#1	5.036	2.481	2.496	5.084	.1236	.0222	1.309
#2	5.085	2.498	2.542	5.130	.1246	.0120	Q1.319

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.65	.5097	1.281	.6309	2.548	2.564	12.59
#1	12.63	.5089	1.276	.6284	2.537	2.556	12.55
#2	12.67	.5105	1.286	.6334	2.559	2.573	12.62

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.59	1.276	2.096	1.262	12.73	2.526	.6267
#1	12.59	1.271	2.085	1.251	12.82	2.471	.6244
#2	12.58	1.281	Q2.106	1.273	12.65	2.581	.6291

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.68	.0111	1.282	1.274	-.2124	-.0155	2.084
#1	12.66	.0132	1.279	1.272	-.1857	-.0116	2.075
#2	12.70	.0090	1.285	1.276	-.2390	-.0193	2.092

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.547	-.0003	.0004
#1	2.542	-.0024	.0005
#2	2.553	.0019	.0003

Analysis Report QC Standard 10/20/06 08:57:28 AM page 1

Method: 20064 Sample Name: ICV STD 4 Operator: MMR
Run Time: 10/20/06 08:55:40
Comment: ICP3-70-G
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0039	.0158	.0009	.0000	-.0000	5.050	.0008
#1	.0011	.0274	.0102	.0003	-.0000	5.027	.0007
#2	.0067	.0043	-.0084	-.0003	-.0000	5.073	.0010

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0089	.0013	-.0042	.0010	.0050	.0155	.0047
#1	.0100	.0028	-.0035	.0005	.0051	.0142	.0048
#2	.0077	-.0002	-.0050	.0015	.0048	.0167	.0045

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0444	.0006	.0017	.0057	-.1933	.0015	.0008
#1	.0720	.0011	.0046	.0057	.1889	.0169	.0010
#2	.0169	-.0000	-.0013	.0057	-.5754	-.0139	.0005

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.97	5.080	.0013	.0007	5.019	4.967	.0007
#1	13.90	5.070	.0022	.0010	5.076	4.945	.0014
#2	14.05	5.090	.0004	.0003	4.962	4.989	-.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0184	4.976	1.030
#1	-.0110	4.919	1.023
#2	.0477	5.034	1.037

Analysis Report QC Standard 10/20/06 08:59:21 AM page 1

Method: 20064 Sample Name: ICB Operator: MMR
Run Time: 10/20/06 08:57:35
Comment:
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0107	-.0084	-.0010	.0000	-.0001	.0102	.0005
#1	.0155	.0000	-.0030	.0000	-.0000	.0116	.0009
#2	.0060	-.0169	.0009	.0000	-.0001	.0088	-.0000

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0026	.0012	-.0008	.0015	-.0006	.0171	.0001
#1	.0044	.0028	-.0005	.0015	-.0003	.0279	.0002
#2	.0007	-.0004	-.0011	.0015	-.0010	.0062	-.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0360	-.0000	-.0008	.0069	-.0439	.0154	.0013
#1	.1228	-.0000	.0004	.0080	.1230	.0178	.0021
#2	-.0508	-.0000	-.0021	.0057	-.2108	.0129	.0005

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	-.0023	.0016	.0003	.0055	.0079	.0011
#1	.0104	.0101	.0034	.0003	.0180	.0085	.0011
#2	.0104	-.0147	-.0002	.0003	-.0070	.0073	.0011

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0220	-.0011	.0000
#1	.0147	.0008	.0000
#2	.0294	-.0030	.0000

Analysis Report QC Standard 10/20/06 09:02:36 AM page 1

Method: 20064 Sample Name: CCV1 Operator: MMR
Run Time: 10/20/06 08:59:30
Comment: ICP3-74-B
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.982	5.043	2.011	.5010	.5016	5.057	Q.5291
#1	4.960	5.017	2.031	.4980	.4989	5.028	.5246
#2	4.995	5.050	1.992	.5015	.5024	5.069	Q.5304
#3	4.984	5.052	2.011	.5031	.5027	5.073	Q.5302
#4	4.989	5.052	2.007	.5015	.5023	5.056	Q.5312

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.022	5.064	.4969	.4946	5.013	5.006	5.043
#1	5.001	5.035	.4932	.4911	4.983	4.985	5.018
#2	5.025	5.072	.4964	.4951	5.023	4.999	5.049
#3	5.026	5.072	.4978	.4951	5.026	5.000	5.053
#4	5.037	5.078	.5000	.4971	5.021	5.041	5.054

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.942	.5000	.5006	5.117	25.02	1.995	.5038
#1	4.901	.4971	.4990	5.116	25.06	1.979	.5013
#2	4.837	.5010	.4973	5.115	25.10	2.009	.5039
#3	4.972	.5008	.5015	5.083	25.01	2.009	.5044
#4	5.057	.5012	.5048	5.154	24.91	1.981	.5054

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.25	5.095	.5000	2.507	25.06	5.061	.4999
#1	25.00	5.075	.4981	2.495	24.85	5.030	.4972
#2	25.28	5.110	.5004	2.510	25.22	5.066	.5002
#3	25.42	5.089	.5000	2.510	25.17	5.070	.5007
#4	25.31	5.104	.5014	2.513	25.00	5.077	.5015

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.003	2.521	.5031
#1	5.020	2.486	.4999
#2	4.972	2.529	.5038
#3	4.939	2.537	.5051
#4	5.079	2.532	.5036

Analysis Report QC Standard 10/20/06 09:04:35 AM page 1

Method: 20064 Sample Name: CCB1 Operator: MMR
Run Time: 10/20/06 09:02:46
Comment:
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0047	-.0084	-.0214	-.0003	-.0001	.0124	.0016
#1	-.0036	-.0021	-.0261	-.0003	-.0001	.0131	.0021
#2	-.0059	-.0148	-.0168	-.0003	-.0000	.0116	.0011

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0001	-.0023	.0000	-.0005	.0127	.0002
#1	.0004	-.0002	-.0026	.0005	-.0003	.0149	.0002
#2	.0016	.0004	-.0020	-.0005	-.0008	.0105	.0002

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0212	-.0000	-.0021	.0029	-.1032	.0064	-.0018
#1	.0085	-.0000	-.0021	.0069	-.2196	.0089	-.0010
#2	.0339	-.0000	-.0021	-.0011	.0132	.0040	-.0025

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0008	-.0053	.0007	-.0010	-.0125	-.0090	.0003
#1	.0110	-.0115	.0007	-.0010	-.0383	-.0077	.0005
#2	-.0127	.0009	.0007	-.0010	.0133	-.0102	-.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0110	.0014	.0000
#1	.0000	-.0003	.0000
#2	-.0220	.0030	.0000

Analysis Report QC Standard 10/20/06 09:07:03 AM page 1

Method: 20064 Sample Name: CRI Operator: MMR
Run Time: 10/20/06 09:04:54
Comment: ICP3-73-E
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0550	.0476	.0751	.0042	.0050	.0583	.0070
#1	.0577	.0381	.0797	.0043	.0050	.0597	.0078
#2	.0522	.0571	.0704	.0041	.0050	.0568	.0062

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0658	.0032	.0086	.0110	.0226	.0529	.0222
#1	.0643	.0026	.0074	.0095	.0221	.0498	.0222
#2	.0673	.0039	.0099	.0125	.0231	.0560	.0222

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q-.0869	.0059	.0063	.0218	1.904	.1334	.0095
#1	Q-.1313	.0059	.0046	.0218	1.854	.1319	.0082
#2	Q-.0424	.0059	.0080	.0218	1.955	.1349	.0108

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1035	.0505	.0101	.0108	.1940	.1015	.0101
#1	.1018	.0528	.0089	.0105	.2465	.0942	.0103
#2	.1052	.0482	.0113	.0111	.1416	.1088	.0098

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0972	.0068	.0104
#1	.0843	.0084	.0106
#2	.1100	.0051	.0103

Analysis Report QC Standard 10/20/06 09:09:30 AM page 1

Method: 20064 Sample Name: ICSA Operator: MMR
Run Time: 10/20/06 09:07:16
Comment: ICP3-65-G
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	496.5	-.0127	-.4306	.0013	.0000	-.0047	.0142
#1	497.3	-.0232	-.4556	.0013	.0000	-.0063	.0137
#2	495.7	-.0022	-.4055	.0013	.0000	-.0030	.0148

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	470.0	-.0031	-.0148	-.0315	177.3	.0991	225.6
#1	468.9	-.0043	-.0144	-.0320	177.2	.0958	225.0
#2	471.0	-.0019	-.0152	-.0310	177.4	.1024	226.1

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	482.6	-.0176	.0009	.0034	.1515	.1703	-.0162
#1	483.4	-.0177	.0000	.0103	-.4305	.1426	-.0182
#2	481.7	-.0176	.0017	-.0034	.7336	.1979	-.0141

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0232	-.0091	.0245	-.2930	.0101	.0048
#1	-.0025	.0048	-.0094	.0241	-.3164	.0097	.0044
#2	.0048	-.0512	-.0087	.0248	-.2696	.0105	.0053

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.1445	-.0008	.0018
#1	.1800	-.0008	.0018
#2	.1091	-.0008	.0018

Analysis Report QC Standard 10/20/06 09:11:32 AM page 1

Method: 20064 Sample Name: ICSAB Operator: MMR
Run Time: 10/20/06 09:09:39
Comment: ICP3-64-F
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	499.9	.9991	-.4043	.4797	.4712	-.0045	.9840
#1	498.0	.9938	-.3756	.4783	.4697	-.0046	.9862
#2	501.8	1.004	-.4329	.4811	.4728	-.0045	.9817

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	472.1	.4506	.4348	.4440	178.0	1.030	224.6
#1	471.8	.4518	.4354	.4410	177.6	1.031	224.8
#2	472.4	.4494	.4342	.4469	178.4	1.030	224.3

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	485.8	.4416	.0036	.8775	-.3668	.1500	.9464
#1	483.7	.4412	.0011	.8781	-.5139	.1393	.9428
#2	487.9	.4420	.0062	.8770	-.2196	.1607	.9500

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	-.0372	.4416	.9618	-.2856	.0026	.0042
#1	.0093	-.0162	.4410	.9591	-.2259	.0037	.0045
#2	-.0070	-.0582	.4421	.9645	-.3454	.0015	.0039

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.1991	-.0041	.0016
#1	.2100	-.0041	.0016
#2	.1882	-.0041	.0016

Analysis Report 10/20/06 09:14:12 AM page 1

Method: 20064 Sample Name: PBW Operator: MMR

Run Time: 10/20/06 09:12:17

Comment: K0608806 8804 8809

Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0059	L-.0084	L-.0149	L-.0005	L-.0001	L.0044	L.0006
#1	L-.0067	L-.0105	L-.0121	L-.0003	L-.0000	L.0029	L.0010
#2	L-.0052	L-.0063	L-.0177	L-.0008	L-.0001	.0058	L.0002

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0034	L.0010	L-.0031	L-.0005	L-.0004	L.0096	L.0011
#1	L.0042	L.0006	L-.0031	L-.0005	L.0001	L.0155	L.0014
#2	L.0025	L.0013	L-.0031	L-.0005	L-.0010	L.0037	L.0007

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0254	L-.0000	L-.0025	L.0029	L-.4898	L-.0064	L-.0013
#1	L.0593	L-.0000	L-.0021	L.0069	L-.3031	L-.0040	L-.0010
#2	L-.0085	L-.0000	L-.0029	L-.0011	L-.6764	L-.0089	L-.0015

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0025	L-.0057	L.0010	L.0003	L-.0125	L-.0077	L.0005
#1	L.0003	L.0009	L.0017	L.0003	L.0133	L-.0044	L.0003
#2	L-.0054	L-.0124	L.0004	L.0003	L-.0383	L-.0110	L.0008

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0239	L.0011	L.0000
#1	L-.0257	.0030	L.0000
#2	L-.0220	L-.0008	L.0000

Analysis Report 10/20/06 09:16:06 AM

Method: 20064 Sample Name: LCSW Operator: MMR
Run Time: 10/20/06 09:14:14
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.161	2.604	2.604	5.194	.1277	1.042	1.363
#1	5.177	2.600	2.605	5.208	.1279	1.050	1.361
#2	5.146	2.607	2.604	5.181	.1274	1.034	1.365

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.98	.5227	1.318	.6436	2.623	2.680	12.77
#1	13.00	.5241	1.319	.6461	2.630	2.679	12.79
#2	12.97	.5213	1.318	.6411	2.616	2.680	12.76

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.85	1.313	1.064	1.301	13.01	2.637	.6400
#1	12.83	1.315	1.067	1.303	13.35	2.642	.6413
#2	12.87	1.311	1.062	1.299	12.66	2.632	.6387

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.92	-.0213	1.288	1.303	-.2334	-.0015	.0008
#1	13.00	-.0232	1.291	1.305	-.2241	.0002	.0007
#2	12.84	-.0195	1.286	1.301	-.2428	-.0032	.0009

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.717	-.0014	10.25
#1	2.755	-.0014	10.28
#2	2.678	-.0014	10.22

Analysis Report 10/20/06 09:17:58 AM page 1

Method: 20064 Sample Name: K0608806-001 Operator: MMR
Run Time: 10/20/06 09:16:10
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0091	L.0034	L-.0125	.0652	L-.0002	.0743	L.0015
#1	L.0068	L.0066	L-.0055	.0653	L-.0002	.0757	L.0018
#2	L.0115	L.0003	L-.0195	.0651	L-.0002	.0728	L.0011

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	30.14	.0051	L-.0026	L.0000	.0232	L.0031	11.28
#1	30.07	.0054	L-.0020	L-.0005	.0245	L.0186	11.24
#2	30.22	.0049	L-.0031	L.0005	.0219	L-.0125	11.32

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.30	.0010	L.0013	L.0017	2.374	L.0100	L-.0001
#1	11.29	.0010	L.0021	L-.0011	2.679	L.0189	L-.0001
#2	11.30	.0011	L.0004	L.0046	2.069	L.0010	L-.0001

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.51	L-.0023	.0408	.0031	L.0681	30.55	L.0010
#1	24.46	L.0005	.0416	.0037	.0806	30.44	.0014
#2	24.56	L-.0050	.0399	.0024	L.0555	30.66	L.0006

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0057	.0095	.3427
#1	L-.0149	.0203	.3415
#2	L.0035	L-.0014	.3439

Analysis Report 10/20/06 09:19:45 AM page 1

Method: 20064 Sample Name: K0608806-002 Operator: MMR
Run Time: 10/20/06 09:17:58
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0017	L.0088	L.0113	.1573	L-.0002	.0749	L.0003
#1	L.0156	L.0109	L.0112	.1561	L-.0002	.0764	L-.0010
#2	L-.0122	L.0066	L.0114	.1584	L-.0002	.0734	L.0016

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.85	.0057	L-.0000	L.0010	.0091	L.0146	14.35
#1	42.60	.0064	L.0005	.0025	.0089	L.0174	14.26
#2	43.11	.0049	L-.0005	L-.0005	.0092	L.0118	14.43

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.51	.0015	L-.0008	L.0023	2.622	L-.0084	L-.0003
#1	14.38	.0015	L-.0013	L.0023	2.618	L-.0030	L.0009
#2	14.64	.0015	L-.0004	L.0023	2.627	L-.0139	L-.0016

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	29.23	L-.0016	.0429	.0020	L.0305	30.23	.0010
#1	29.04	L-.0129	.0437	.0024	L.0603	30.07	.0013
#2	29.42	L.0096	.0421	.0017	L.0008	30.39	L.0008

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0402	.0065	.4850
#1	L.0035	.0089	.4814
#2	.0769	.0041	.4885

Analysis Report 10/20/06 09:21:36 AM page 1

Method: 20064 Sample Name: K0608806-002D Operator: MMR
Run Time: 10/20/06 09:19:48
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0009	L.0045	L-.0087	.1596	L-.0002	.0763	L.0005
#1	L.0076	L.0130	L-.0018	.1592	L-.0002	.0778	L.0009
#2	L-.0059	L-.0039	L-.0157	.1599	L-.0002	.0749	L.0002

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	43.11	.0044	L-.0023	L-.0005	.0096	L.0056	14.47
#1	43.07	.0073	L-.0015	L-.0005	.0105	L.0167	14.44
#2	43.14	L.0015	L-.0030	L-.0005	.0088	L-.0056	14.49

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.61	.0012	L.0000	L.0017	2.504	L-.0079	L-.0021
#1	14.67	.0011	L-.0013	L.0023	3.013	L.0149	L-.0021
#2	14.56	.0012	L.0013	L.0011	1.994	L-.0307	L-.0021

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	29.56	L.0060	.0420	.0017	L.0399	30.50	L.0006
#1	29.53	L.0028	.0424	.0017	L.0415	30.42	.0010
#2	29.59	L.0092	.0415	.0017	L.0383	30.58	L.0002

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0494	.0209	.4913
#1	L.0292	.0203	.4893
#2	.0696	.0214	.4933

Analysis Report 10/20/06 09:23:30 AM page 1

Method: 20064 Sample Name: K0608806-002S Operator: MMR
Run Time: 10/20/06 09:21:40
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.023	.5013	.9914	2.228	.0499	1.102	.0609
#1	2.041	.5151	1.010	2.227	.0499	1.095	.0585
#2	2.006	.4876	.9728	2.229	.0499	1.109	.0634

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.34	.2089	.5109	.2527	1.030	.5139	13.89
#1	41.41	.2093	.5135	.2542	1.030	.5173	13.91
#2	41.28	.2084	.5083	.2512	1.030	.5104	13.88

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.04	.5148	1.046	.5102	2.620	1.032	.0486
#1	14.08	.5155	1.047	.5154	2.811	1.006	.0511
#2	14.01	.5141	1.044	.5051	2.429	1.058	.0461

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	28.43	L-.0084	.5640	.5053	L-.0712	29.34	L-.0001
#1	28.46	L-.0071	.5646	.5053	L-.0524	29.35	L-.0004
#2	28.39	L-.0098	.5635	.5053	L-.0900	29.33	L.0002

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.9914	.0081	10.54
#1	.9877	.0127	10.54
#2	.9950	.0035	10.54

Analysis Report 10/20/06 09:25:22 AM page 1

Method: 20064 Sample Name: K0608806-003 Operator: MMR
Run Time: 10/20/06 09:23:35
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0031	L-.0062	L-.0156	.2578	L-.0001	.3498	L-.0002
#1	L.0004	L-.0020	L-.0264	.2546	L-.0000	.3477	L-.0014
#2	L-.0066	L-.0104	L-.0049	.2610	L-.0002	.3518	L.0010

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	126.8	L-.0039	L-.0023	L-.0010	.1636	L.0015	H38.04
#1	126.3	L-.0035	L-.0036	L-.0015	.1626	L-.0013	H37.87
#2	127.3	L-.0042	L-.0010	L-.0005	.1645	L.0043	H38.21

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.10	2.844	L.0034	L.0057	3.536	L-.0240	L-.0049
#1	40.63	2.827	L.0038	L.0046	3.479	L-.0364	L-.0054
#2	41.57	2.862	L.0029	L.0069	3.593	L-.0116	L-.0044

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	92.10	L-.0016	.0087	.0058	L.0750	23.60	L-.0003
#1	90.58	L-.0160	.0089	.0051	.0914	23.42	L-.0004
#2	93.63	L.0129	.0085	.0064	L.0586	23.78	L-.0001

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0334	L-.0003	1.589
#1	L.0370	L.0003	1.572
#2	L.0298	L-.0008	1.605

Analysis Report QC Standard 10/20/06 09:27:28 AM page 1

Method: 20064 Sample Name: CCV2 Operator: MMR
Run Time: 10/20/06 09:25:32
Comment: ICP3-74-B
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.982	5.048	2.034	.4967	.5026	5.018	.5339
#1	4.947	5.029	2.052	.4918	.4990	4.960	.5323
#2	5.018	5.068	2.015	.5015	.5062	5.076	.5355

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.086	5.110	.5028	.4921	5.032	5.083	5.024
#1	5.072	5.080	.4986	.4891	4.997	5.078	4.995
#2	5.100	5.139	.5070	.4951	5.067	5.088	5.053

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.945	.5028	.5015	5.114	25.59	1.986	.5057
#1	4.956	.5008	.4981	5.100	25.39	1.977	.5034
#2	4.934	.5048	.5048	5.127	25.80	1.996	.5080

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.23	5.183	.5011	2.524	25.16	5.094	.5023
#1	24.94	5.155	.4983	2.509	25.11	5.062	.4994
#2	25.53	5.211	.5038	2.539	25.20	5.126	.5053

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.050	2.508	.4966
#1	5.020	2.471	.4920
#2	5.079	2.545	.5012

Analysis Report QC Standard 10/20/06 09:37:20 AM page 1

Method: 20064 Sample Name: CCB2 Operator: MMR
Run Time: 10/20/06 09:27:34
Comment:
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0107	-.0084	.0033	-.0006	-.0000	.0109	.0017
#1	.0012	.0043	.0028	-.0005	-.0000	.0117	.0017
#2	-.0226	-.0211	.0038	-.0008	-.0000	.0102	.0017

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	-.0010	-.0036	-.0020	-.0017	.0009	.0002
#1	-.0015	-.0004	-.0026	-.0015	-.0025	-.0038	.0005
#2	-.0014	-.0015	-.0046	-.0025	-.0010	.0055	-.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0021	-.0006	-.0025	.0040	-.7116	-.0134	-.0040
#1	-.0127	-.0000	-.0029	.0092	-.5710	-.0089	-.0030
#2	.0085	-.0013	-.0021	-.0011	-.8521	-.0178	-.0051

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0093	-.0085	.0009	-.0004	-.0532	-.0171	-.0001
#1	-.0020	-.0083	.0001	-.0004	-.0195	-.0106	-.0003
#2	-.0166	-.0087	.0017	-.0003	-.0868	-.0235	-.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0018	-.0030	-.0001
#1	-.0073	-.0041	.0000
#2	.0037	-.0019	-.0003

Method: 20064 Sample Name: K0608806-004 Operator: MMR
Run Time: 10/20/06 09:37:33
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0409	L-.0008	L-.0006	.1337	L-.0001	.2195	L.0000
#1	.0349	L.0003	L-.0249	.1365	L-.0001	.2209	L.0012
#2	.0468	L-.0019	L.0236	.1309	L-.0002	.2182	L-.0012

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	108.7	L-.0024	L-.0010	.0040	.0718	L.0099	H33.08
#1	109.0	L-.0028	L-.0015	.0035	.0722	.0229	H33.24
#2	108.4	L-.0020	L-.0005	.0045	.0715	L-.0032	H32.93

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	35.10	1.295	L-.0008	.0086	3.955	L-.0073	L.0005
#1	35.51	1.304	L.0004	.0161	3.488	L-.0038	L-.0010
#2	34.69	1.287	L-.0021	L.0011	4.423	L-.0108	L.0020

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	99.52	L.0106	.0200	.0265	L.0774	26.33	.0030
#1	100.6	L.0119	.0205	.0261	L.0774	26.53	.0019
#2	98.48	L.0092	.0195	.0269	L.0774	26.14	.0041

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0177	.0079	1.200
#1	L-.0098	.0073	1.216
#2	L.0451	.0084	1.184

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Method: 20064 Sample Name: K0608806-005 Operator: MMR
Run Time: 10/20/06 09:40:06
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0049	L.0182	L-.0117	.0237	L-.0001	.1259	L.0015
#1	L.0057	L.0256	L-.0005	.0235	L-.0001	.1289	L.0009
#2	L.0041	L.0107	L-.0229	.0240	L-.0001	.1229	L.0021

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	130.3	.0033	L-.0016	L.0015	L-.0000	L-.0031	H39.63
#1	129.9	.0028	L-.0016	.0025	L-.0006	L-.0007	H39.45
#2	130.8	.0039	L-.0016	L.0005	L.0005	L-.0056	H39.81

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.39	L-.0007	L-.0008	.0086	5.829	L.0074	L-.0028
#1	41.95	L-.0007	L-.0013	.0103	5.824	L.0069	L-.0018
#2	42.82	L-.0007	L-.0004	L.0069	5.833	L.0079	L-.0038

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	164.6	L-.0073	.0245	.0054	L.0274	28.86	L.0008
#1	162.7	L-.0078	.0243	.0057	L.0305	28.68	.0018
#2	166.4	L-.0069	.0246	.0051	L.0243	29.04	L-.0002

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0495	.0179	1.172
#1	L.0366	.0192	1.159
#2	.0623	.0165	1.184

Analysis Report 10/20/06 09:47:12 AM page 1

Method: 20064 Sample Name: K0608806-006 Operator: MMR
Run Time: 10/20/06 09:45:24
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0205	L.0087	L-.0036	.1707	L-.0001	.0990	L.0014
#1	.0432	L.0172	L.0113	.1696	L-.0001	.1012	L.0016
#2	L-.0021	L.0003	L-.0184	.1717	L-.0001	.0968	L.0011

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	76.73	.0041	L-.0008	.0020	L-.0000	L.0121	24.74
#1	76.53	.0047	L.0010	.0035	L.0016	L.0018	24.66
#2	76.93	.0034	L-.0026	L.0005	L-.0017	.0223	24.82

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.49	.0008	L.0004	.0132	3.782	L-.0129	L-.0002
#1	25.36	.0010	L.0004	.0115	4.111	L-.0367	L.0018
#2	25.61	.0007	L.0004	.0149	3.453	L.0109	L-.0022

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	48.49	L-.0078	.0344	.0033	L.0446	29.49	L.0002
#1	48.61	L-.0106	.0339	.0030	.1088	29.40	L-.0000
#2	48.36	L-.0051	.0348	.0037	L-.0196	29.58	L.0005

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0146	.0095	.8959
#1	L-.0258	.0084	.8910
#2	.0550	.0106	.9008

Method: 20064 Sample Name: K0608806-007 Operator: MMR
Run Time: 10/20/06 09:47:13
Comment: K0608806 8804 8809
Mode: CONC Corr. Factor: 1

68523

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0131	L-.0028	L.0104	.1347	L-.0002	.0742	L.0025
#1	L.0052	L.0046	L.0216	.1357	L-.0002	.0742	L.0023
#2	.0211	L-.0102	L-.0008	.1337	L-.0001	.0742	L.0026

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	51.46	.0029	L-.0013	.0020	L.0015	L-.0038	17.06
#1	51.59	.0036	L-.0010	L.0015	L.0018	L.0018	17.12
#2	51.33	.0021	L-.0015	.0025	L.0012	L-.0094	17.00

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.13	.0015	L-.0017	L.0029	3.248	L.0134	L-.0011
#1	17.25	.0016	L-.0013	L.0034	2.991	L-.0010	L-.0006
#2	17.00	.0013	L-.0021	L.0023	3.505	L.0278	L-.0017

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	40.07	L.0057	.0398	.0078	L.0008	30.96	.0018
#1	40.56	L.0083	.0411	.0078	L-.0008	31.10	.0023
#2	39.57	L.0032	.0386	.0078	L.0024	30.82	.0012

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0586	.0103	.5900
#1	.0586	.0095	.5938
#2	.0586	.0111	.5862

Method: 20064 Sample Name: K0608806-008 Operator: MMR
Run Time: 10/20/06 09:49:14
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0048	L-.0134	L-.0030	.1290	L-.0001	.0685	L.0005
#1	L.0020	L-.0123	L-.0073	.1276	L-.0000	.0729	L.0001
#2	L-.0115	L-.0144	L.0013	.1304	L-.0003	.0642	L.0008

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.14	L.0012	L-.0036	L-.0005	L-.0021	L.0068	16.36
#1	49.14	.0036	L-.0031	L-.0005	L-.0025	.0273	16.32
#2	49.13	L-.0013	L-.0041	L-.0005	L-.0018	L-.0137	16.40

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.49	L.0001	L-.0004	L.0046	2.271	L-.0074	L-.0047
#1	16.54	L-.0000	L.0021	.0092	2.359	L-.0228	L-.0032
#2	16.44	L.0002	L-.0029	L.0000	2.183	L.0079	L-.0062

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	38.05	L-.0083	.0389	.0024	.0884	29.81	L.0007
#1	37.89	L-.0028	.0413	.0030	.1056	29.70	.0018
#2	38.21	L-.0138	.0366	.0017	L.0712	29.92	L-.0004

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0128	.0041	.5691
#1	L.0440	.0041	.5648
#2	L-.0185	.0041	.5735

Analysis Report 10/20/06 09:53:06 AM page 1

Method: 20064 Sample Name: K0608804-002 Operator: MMR
Run Time: 10/20/06 09:51:09
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1241	L-.0010	L-.0328	.0652	L-.0001	.0238	.0037
#1	.1241	L.0022	L-.0104	.0653	L-.0001	.0267	L.0025
#2	.1241	L-.0042	L-.0552	.0651	L-.0000	.0209	.0049

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	69.08	L-.0017	L-.0018	L-.0025	28.77	L.0014	H46.43
#1	69.03	L-.0018	L-.0013	L-.0035	28.75	L-.0017	H46.40
#2	69.13	L-.0016	L-.0023	L-.0015	28.78	L.0045	H46.46

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.64	1.163	L-.0026	L.0052	2.565	.0429	L-.0044
#1	49.66	1.163	L-.0043	.0080	2.653	L.0350	L-.0037
#2	49.62	1.164	L-.0010	L.0023	2.477	.0509	L-.0052

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.18	L-.0027	L.0006	.0367	.9143	39.40	.0121
#1	21.20	L-.0073	L.0001	.0363	.9151	39.42	.0122
#2	21.17	L.0019	L.0011	.0370	.9135	39.38	.0119

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0146	L-.0027	.4404
#1	L-.0274	L-.0024	.4405
#2	L-.0019	L-.0030	.4402

Analysis Report 10/20/06 09:55:10 AM

Method: 20064 Sample Name: K0608804-002D Operator: MMR
Run Time: 10/20/06 09:53:12
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1340	L.0116	L-.0157	.0654	L-.0000	.0237	L.0022
#1	.1559	L.0254	L-.0209	.0656	L-.0000	.0266	L.0027
#2	.1122	L-.0021	L-.0105	.0653	L.0000	.0207	L.0016

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	69.43	L.0002	L-.0006	L-.0020	28.95	L.0114	H46.69
#1	69.44	L.0005	L.0028	L.0005	28.89	L.0164	H46.65
#2	69.43	L-.0001	L-.0039	L-.0045	29.00	L.0063	H46.72

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.87	1.169	L-.0010	L.0046	2.545	.0562	L-.0034
#1	49.86	1.167	L.0007	L.0069	3.180	.0759	L-.0001
#2	49.89	1.170	L-.0026	L.0023	1.911	L.0365	L-.0067

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.30	L-.0123	L.0010	.0374	.9048	39.58	.0119
#1	21.37	L-.0049	L.0021	.0384	.8884	39.53	.0119
#2	21.23	L-.0196	L-.0002	.0364	.9212	39.64	.0119

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0083	L-.0008	.4429
#1	L-.0245	L.0019	.4415
#2	L.0080	L-.0035	.4442

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Method: 20064 Sample Name: K0608804-002S Operator: MMR
Run Time: 10/20/06 09:55:14
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.256	.5352	1.034	2.220	.0525	1.099	.0678
#1	2.268	.5357	1.027	2.233	.0526	1.094	.0687
#2	2.245	.5347	1.041	2.206	.0524	1.103	.0668

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	68.97	.2132	.5355	.2592	29.90	.5502	H46.45
#1	69.05	.2124	.5372	.2612	29.99	.5427	H46.53
#2	68.89	.2139	.5337	.2572	29.81	.5576	H46.37

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	49.88	1.710	1.088	.5332	2.108	1.097	.0471
#1	50.10	1.714	1.088	.5280	1.994	1.098	.0484
#2	49.66	1.706	1.088	.5383	2.223	1.096	.0458

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.30	L-.0053	.5492	.5647	.7943	39.43	.0116
#1	21.41	L-.0124	.5502	.5671	.8208	39.53	.0116
#2	21.19	L.0018	.5483	.5623	.7677	39.34	.0116

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	1.044	L-.0019	.4421
#1	1.0000	L-.0003	.4444
#2	1.089	L-.0035	.4397

Method: 20064 Sample Name: K0608804-002L Operator: MMR
Run Time: 10/20/06 09:57:08
Comment: K0608806 8804 8809 1/5 DILUTION 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0174	L-.0042	L-.0169	.0129	L-.0000	.0120	L.0007
#1	.0218	L.0022	L-.0192	.0130	L.0000	.0142	L.0007
#2	L.0131	L-.0106	L-.0145	.0128	L-.0000	.0098	L.0007

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.62	L.0000	L-.0016	L-.0013	5.739	L.0162	9.886
#1	13.65	L-.0015	L-.0008	L-.0003	5.752	L.0116	9.912
#2	13.59	L.0015	L-.0023	L-.0023	5.727	.0209	9.860

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.673	.2300	L-.0003	L.0040	L.1230	L.0170	L-.0006
#1	9.627	.2303	L-.0024	L.0057	L.3953	L-.0033	L.0009
#2	9.720	.2296	L.0018	L.0023	L-.1493	L.0373	L-.0021

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.142	L-.0145	L.0011	.0078	.1516	7.679	.0026
#1	4.211	L-.0205	L-.0004	.0078	.1617	7.705	.0028
#2	4.073	L-.0085	L.0027	.0078	.1414	7.652	.0025

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0433	L-.0014	.0862
#1	L-.0452	L-.0014	.0866
#2	L-.0413	L-.0014	.0858

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Method: 20064 Sample Name: K0608809-004 Operator: MMR
Run Time: 10/20/06 09:59:06
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0067	L-.0084	L-.0284	.1210	L-.0001	.2584	L-.0009
#1	L.0004	L-.0105	L-.0169	.1209	L-.0000	.2606	L.0002
#2	L-.0139	L-.0063	L-.0400	.1212	L-.0001	.2563	L-.0021

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	61.02	L-.0006	L-.0032	L-.0020	.0667	L.0043	16.84
#1	61.17	L.0013	L-.0031	L-.0015	.0668	L.0061	16.87
#2	60.87	L-.0025	L-.0032	L-.0025	.0665	L.0024	16.81

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.09	3.286	L-.0033	.0109	14.39	L.0076	L-.0046
#1	17.18	3.290	L-.0004	.0195	14.32	L.0210	L-.0040
#2	17.00	3.282	L-.0063	L.0023	14.46	L-.0058	L-.0051

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	46.34	L-.0227	L-.0004	.0071	L-.0298	8.194	L.0002
#1	46.39	L-.0206	L.0017	.0077	L-.0666	8.208	L.0004
#2	46.29	L-.0248	L-.0026	.0064	L.0070	8.179	L-.0001

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0236	L-.0022	.5967
#1	L-.0070	L-.0014	.5967
#2	L-.0402	L-.0030	.5967

Method: 20064 Sample Name: CCV3 Operator: MMR
Run Time: 10/20/06 10:00:59
Comment: ICP3-74-B
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.076	5.184	2.077	.5099	.5207	5.169	.5431
#1	5.077	5.180	2.066	.5112	.5207	5.168	.5411
#2	5.075	5.188	2.087	.5087	.5206	5.169	.5452

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.209	5.257	.5153	.5021	5.188	5.212	5.152
#1	5.192	5.246	.5152	.5031	5.181	5.183	5.146
#2	5.225	5.268	.5154	.5011	5.195	5.241	5.159

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.987	.5177	.5158	5.274	24.85	2.057	.5127
#1	4.917	.5165	.5116	5.259	24.72	2.058	.5132
#2	5.056	.5189	.5199	5.289	24.98	2.055	.5122

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.75	5.343	.5143	2.586	26.22	5.255	.5174
#1	25.68	5.318	.5122	2.583	26.07	5.263	.5176
#2	25.82	5.369	.5164	2.589	26.37	5.247	.5173

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.188	2.555	.5100
#1	5.163	2.551	.5104
#2	5.214	2.558	.5096

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Method: 20064 Sample Name: CCB3 Operator: MMR
Run Time: 10/20/06 10:02:55
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0155	-.0010	-.0085	-.0003	-.0001	.0167	.0019
#1	.0203	.0085	-.0188	-.0003	-.0001	.0189	.0011
#2	.0107	-.0106	.0018	-.0003	-.0000	.0145	.0026

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0016	.0008	-.0010	.0015	.0005	.0108	.0002
#1	.0022	-.0011	-.0000	.0015	.0003	.0081	.0005
#2	.0009	.0026	-.0021	.0015	.0007	.0136	-.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0741	.0004	-.0021	.0052	.0307	-.0005	.0018
#1	.0254	.0004	-.0029	.0046	.0351	-.0119	.0015
#2	.1228	.0005	-.0013	.0057	.0264	.0109	.0020

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0304	-.0041	.0010	.0003	.0117	.0048	-.0000
#1	.0381	-.0046	.0004	-.0004	.0462	.0077	.0003
#2	.0228	-.0037	.0017	.0010	-.0227	.0019	-.0003

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0422	.0008	.0003
#1	.0624	.0003	.0003
#2	.0220	.0014	.0003

Analysis Report 10/20/06 10:06:32 AM

Method: 20064 Sample Name: K0608809-004D Operator: MMR
Run Time: 10/20/06 10:04:45
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0044	L-.0052	L-.0313	.1226	L-.0001	.2671	L.0013
#1	L.0155	L.0000	L-.0225	.1232	L-.0001	.2664	L.0021
#2	L-.0068	L-.0105	L-.0401	.1219	L-.0001	.2679	L.0005

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	61.98	L-.0007	L-.0016	L-.0005	.0669	L.0087	17.07
#1	62.07	L.0000	L-.0010	L-.0005	.0680	L.0167	17.10
#2	61.90	L-.0015	L-.0021	L-.0005	.0658	L.0006	17.04

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.28	3.333	L-.0021	L.0034	15.33	L-.0043	L-.0010
#1	17.36	3.341	L-.0012	.0080	15.49	L-.0019	L-.0015
#2	17.20	3.325	L-.0029	L-.0011	15.18	L-.0068	L-.0005

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.28	L-.0062	L-.0007	.0061	L-.0008	8.345	L.0003
#1	47.31	L-.0023	L-.0002	.0057	L.0430	8.359	L.0007
#2	47.24	L-.0101	L-.0012	.0065	L-.0446	8.330	L-.0001

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0098	L-.0022	.6060
#1	L.0080	L-.0019	.6075
#2	L.0116	L-.0024	.6044

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Method: 20064 Sample Name: K0608809-004S Operator: MMR
Run Time: 10/20/06 10:06:36
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.122	.5241	1.057	2.262	.0525	1.330	.0669
#1	2.125	.5103	1.061	2.275	.0528	1.334	.0677
#2	2.120	.5378	1.053	2.248	.0522	1.327	.0660

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	61.48	.2133	.5406	.2641	1.135	.5413	16.92
#1	61.69	.2143	.5411	.2651	1.139	.5445	16.99
#2	61.28	.2124	.5400	.2631	1.131	.5382	16.85

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.19	3.852	1.095	.5372	15.26	1.095	.0515
#1	17.26	3.870	1.100	.5372	15.03	1.103	.0500
#2	17.12	3.835	1.089	.5372	15.49	1.086	.0530

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	47.14	L-.0057	.5480	.5348	L-.0574	8.308	L.0009
#1	47.36	L.0017	.5502	.5378	L-.0825	8.351	L.0007
#2	46.92	L-.0130	.5457	.5317	L-.0324	8.264	.0012

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	1.080	L.0000	.5999
#1	1.069	L-.0014	.6033
#2	1.091	L.0014	.5965

Analysis Report 10/20/06 10:10:26 AM

Method: 20064 Sample Name: K0608809-005 Operator: MMR
Run Time: 10/20/06 10:08:38
Comment: K0608806 8804 8809 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0187	L-.0095	L-.0274	.1184	L-.0001	.2578	L.0004
#1	L-.0164	L-.0126	L-.0363	.1189	L-.0001	.2637	L.0005
#2	L-.0210	L-.0063	L-.0185	.1179	L-.0001	.2520	L.0002

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	59.77	L-.0028	L-.0028	L-.0020	.0449	L-.0025	16.49
#1	59.83	L-.0023	L-.0031	L-.0015	.0458	L-.0112	16.50
#2	59.72	L-.0032	L-.0025	L-.0025	.0441	L.0062	16.49

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	16.63	3.222	L-.0008	L.0029	14.35	L.0046	L-.0063
#1	16.61	3.223	L.0029	.0092	14.45	L.0051	L-.0046
#2	16.64	3.221	L-.0046	L-.0034	14.24	L.0041	L-.0081

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	45.25	L-.0043	L-.0012	.0044	L-.0157	8.028	L-.0001
#1	45.29	L-.0142	L-.0004	.0037	L-.0180	8.038	L-.0004
#2	45.21	L.0055	L-.0019	.0051	L-.0133	8.019	L.0002

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0275	L-.0005	.5838
#1	L-.0110	L.0014	.5841
#2	.0660	L-.0024	.5835

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Method: 20064 Sample Name: PBE Operator: MMR
Run Time: 10/20/06 10:10:39
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0182	L-.0095	L-.0104	.1001	L-.0000	.0247	L.0019
#1	L.0075	L-.0232	L-.0057	.1003	L-.0000	.0262	L.0009
#2	.0290	L.0042	L-.0151	.1000	L-.0000	.0233	L.0028

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0817	.0031	L-.0018	.0025	.0054	L.0186	.0060
#1	.0816	.0028	L-.0046	L.0015	.0070	.0217	.0060
#2	.0817	.0034	L.0010	.0035	.0039	L.0155	.0060

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2011	.0013	L.0013	.0132	L.5710	L-.0064	L.0003
#1	.2159	.0012	L.0029	.0115	L.4085	L-.0168	L-.0020
#2	L.1863	.0013	L-.0004	.0149	.7336	L.0040	L.0026

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4462.	L-.0030	L.0026	.0244	L.0023	.2511	.0019
#1	S4463.	L.0101	.0035	.0241	L-.0102	.2440	.0024
#2	S4462.	L-.0161	L.0017	.0248	L.0149	.2582	.0014

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0184	L.0003	.0015
#1	L.0220	L-.0003	.0013
#2	L.0147	L.0008	.0016

Analysis Report 10/20/06 10:14:26 AM page 1

Method: 20064 Sample Name: LCSE Operator: MMR
Run Time: 10/20/06 10:12:37
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0019	L-.0081	5.255	9.840	L-.0001	.0328	1.052
#1	L.0012	L.0022	5.276	9.921	L-.0002	.0321	1.052
#2	L-.0050	L-.0183	5.234	9.760	.0001	.0334	1.052

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0849	5.018	.0051	L.0010	.0037	5.017	.0057
#1	.0789	5.032	.0056	L.0015	L.0028	4.997	.0057
#2	.0908	5.004	.0046	L.0005	.0045	5.037	.0057

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0190	.0006	L-.0004	.0121	L-.0373	1.080	.9551
#1	L-.2921	.0013	L-.0038	L.0023	L.1362	1.077	.9601
#2	.3302	L-.0000	L.0029	.0218	L-.2108	1.083	.9501

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2889.	L-.0014	L-.0016	.0282	L.0039	.2787	L.0007
#1	S4463.	L.0028	L-.0069	.0289	L-.0383	.2785	L.0006
#2	H1315.	L-.0055	.0037	.0275	L.0462	.2790	L.0009

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0184	L-.0011	.0013
#1	L-.0147	L-.0008	.0013
#2	L-.0221	L-.0014	.0013

Analysis Report 10/20/06 10:16:24 AM page 1

Method: 20064 Sample Name: K0608893-001 Operator: MMR
Run Time: 10/20/06 10:14:35
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8174	L-.0080	L-.0177	.2844	.0008	.2223	L.0010
#1	.7995	L.0004	L-.0101	.2781	.0008	.2188	L-.0005
#2	.8352	L-.0165	L-.0253	.2908	.0008	.2259	L.0024

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	155.2	L-.0033	.0327	.0120	.2191	L-.0137	15.00
#1	154.0	L-.0041	.0327	.0125	.2155	L-.0246	14.83
#2	156.4	L-.0024	.0327	.0115	.2226	L-.0028	15.16

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.40	2.596	L-.0050	.0746	10.48	L.0002	L-.0047
#1	15.05	2.564	L-.0062	.0735	10.50	L.0022	L-.0034
#2	15.75	2.629	L-.0037	.0758	10.47	L-.0018	L-.0060

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4461.	L-.0144	L-.0018	.4209	L-.0643	7.345	L.0005
#1	S4462.	L-.0137	L-.0029	.4162	L-.0134	7.218	.0016
#2	S4460.	L-.0151	L-.0006	.4257	L-.1151	7.472	L-.0006

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0369	.0496	.6572
#1	L.0348	.0501	.6429
#2	L.0389	.0490	.6714

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Method: 20064 Sample Name: K0608893-001D Operator: MMR
Run Time: 10/20/06 10:16:29
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8348	L.0056	L-.0062	.2810	.0009	.2164	.0043
#1	.8502	L.0109	L-.0170	.2857	.0008	.2200	.0040
#2	.8193	L.0003	L.0045	.2763	.0010	.2128	.0046

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	158.9	L.0006	.0320	.0115	.2245	L.0189	15.26
#1	160.1	L-.0033	.0327	.0115	.2255	L-.0103	15.42
#2	157.8	.0045	.0312	.0115	.2235	.0481	15.10

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.77	2.639	L-.0012	.0803	10.82	L-.0067	L-.0049
#1	15.86	2.668	L-.0046	.0735	10.09	L-.0186	L-.0045
#2	15.69	2.611	L.0021	.0872	11.56	L.0052	L-.0054

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2904.	L-.0006	L.0015	.4379	L-.0479	6.911	.0011
#1	S4460.	L-.0036	L-.0026	.4427	L-.0541	6.965	L-.0004
#2	H1348.	L.0023	.0057	.4331	L-.0416	6.856	.0026

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0133	.0501	.6617
#1	L.0318	.0496	.6735
#2	L-.0053	.0506	.6498

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Method: 20064 Sample Name: K0608893-001S Operator: MMR
Run Time: 10/20/06 10:18:20
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.7838	L.0176	5.217	9.864	.0009	.2035	1.042
#1	.7695	L.0030	5.223	9.861	.0009	.2028	1.040
#2	.7981	.0323	5.210	9.867	.0009	.2042	1.045

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	151.7	4.891	.0401	.0125	.2130	4.892	14.61
#1	151.3	4.883	.0384	.0105	.2111	4.900	14.59
#2	152.0	4.899	.0419	.0145	.2149	4.884	14.63

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14.93	2.525	L-.0041	.0763	10.74	1.048	.9464
#1	14.88	2.521	L-.0046	.0781	10.03	1.062	.9431
#2	14.99	2.530	L-.0037	.0746	11.45	1.034	.9497

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2881.	L-.0082	L-.0004	.4039	L-.0204	7.120	.0029
#1	S4463.	L-.0068	L-.0003	.4025	L-.0291	7.120	.0022
#2	H1298.	L-.0096	L-.0005	.4053	L-.0118	7.120	.0036

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0004	.0485	.6362
#1	L-.0316	.0469	.6353
#2	L.0309	.0501	.6371

Method: 20064 Sample Name: K0608893-002 Operator: MMR
Run Time: 10/20/06 10:20:19
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.658	L-.0060	L-.0417	.1128	.0030	.1206	.0116
#1	4.664	L.0015	L-.0366	.1130	.0031	.1185	.0115
#2	4.652	L-.0134	L-.0468	.1125	.0030	.1228	.0116

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	151.2	.0042	.1745	.0174	.4252	L.0068	H47.96
#1	151.0	.0021	.1745	.0174	.4254	L-.0057	H47.90
#2	151.3	.0064	.1746	.0174	.4251	L.0192	H48.01

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	52.15	6.320	L-.0028	.3375	4.039	L-.0098	L-.0032
#1	52.11	6.318	L-.0037	.3501	3.971	L-.0410	L-.0020
#2	52.19	6.322	L-.0020	.3248	4.107	L.0214	L-.0045

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2885.	L.0029	L-.0018	1.019	L-.0284	4.616	L.0002
#1	H1305.	L-.0049	L-.0041	1.019	L-.0589	4.623	L-.0001
#2	S4464.	L.0107	L.0004	1.020	L.0021	4.609	L.0004

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0413	.1037	.4708
#1	L.0156	.1032	.4711
#2	.0670	.1043	.4706

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Method: 20064 Sample Name: K0608893-003 Operator: MMR
Run Time: 10/20/06 10:22:13
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.4595	L.0101	L-.0071	.3853	.0004	.1467	.0048
#1	.4428	L-.0015	L-.0279	.3911	.0004	.1460	.0050
#2	.4762	L.0217	L.0138	.3796	.0005	.1474	.0045

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	391.4	L-.0004	.0302	.0130	.2453	.0204	9.096
#1	392.5	L-.0029	.0266	.0125	.2466	L.0098	9.153
#2	390.3	.0021	.0338	.0135	.2440	.0311	9.038

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.519	1.657	L-.0020	.1331	12.55	L.0143	L-.0044
#1	9.478	1.667	L-.0046	.1286	12.11	L.0093	L-.0068
#2	9.559	1.647	L.0005	.1377	13.00	L.0192	L-.0021

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2889.	L-.0087	.0088	1.814	L-.0416	17.52	.0077
#1	S4462.	L-.0045	.0060	1.827	L-.0541	17.66	.0069
#2	H1317.	L-.0128	.0116	1.802	L-.0291	17.39	.0085

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0228	.0133	.7469
#1	L-.0010	.0079	.7577
#2	L.0466	.0187	.7361

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Method: 20064 Sample Name: CCV4 Operator: MMR
Run Time: 10/20/06 10:24:16
Comment: ICP3-74-B
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.006	5.199	2.085	.4886	.5168	5.084	.5484
#1	5.039	5.191	2.057	.4946	.5194	5.102	.5466
#2	4.974	5.206	2.113	.4827	.5143	5.066	Q.5503

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.343	5.309	.5264	.4891	5.221	5.386	5.172
#1	5.344	5.326	.5244	.4931	5.244	5.371	5.188
#2	5.342	5.291	.5285	.4851	5.199	5.401	5.156

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.107	.5224	.5204	5.367	24.97	2.063	.5124
#1	5.065	.5245	.5183	5.368	24.87	2.046	.5112
#2	5.150	.5203	.5225	5.365	25.07	2.081	.5137

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.73	Q5.551	.5134	2.593	26.47	5.215	.5151
#1	25.03	Q5.560	.5150	2.597	26.46	5.231	.5224
#2	24.44	Q5.541	.5118	2.588	26.47	5.199	.5077

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.216	2.408	.4926
#1	5.228	2.462	.4983
#2	5.203	2.354	.4869

Analysis Report QC Standard 10/20/06 10:28:07 AM page 1

Method: 20064 Sample Name: CCB4 Operator: MMR
Run Time: 10/20/06 10:26:17
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0044	-.0052	.0038	-.0005	-.0001	.0168	.0017
#1	-.0187	-.0147	-.0138	-.0010	-.0001	.0161	.0019
#2	.0100	.0043	.0214	.0000	-.0000	.0175	.0015

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0012	-.0028	-.0010	-.0014	.0052	.0001
#1	-.0029	-.0030	-.0046	-.0025	-.0030	-.0082	-.0000
#2	.0030	.0006	-.0010	.0005	.0003	.0186	.0002

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0635	-.0000	-.0038	.0063	-.3865	-.0273	-.0025
#1	-.1482	.0000	-.0021	.0034	-1.015	-.0416	-.0056
#2	.0212	-.0000	-.0054	.0092	.2416	-.0129	.0005

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0412	-.0039	-.0006	-.0007	-.0305	-.0092	.0001
#1	.0223	-.0115	-.0018	-.0010	-.0399	-.0181	-.0008
#2	.0601	.0037	.0006	-.0004	-.0211	-.0002	.0011

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0073	-.0014	.0000
#1	.0110	-.0014	-.0003
#2	-.0257	-.0014	.0003

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Method: 20064 Sample Name: K0608893-004 Operator: MMR
Run Time: 10/20/06 10:28:08
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3115	L.0089	L-.0166	.4824	.0003	.1836	L.0027
#1	.3087	L.0111	L-.0180	.4809	.0002	.1814	.0040
#2	.3143	L.0068	L-.0152	.4839	.0004	.1858	L.0013

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H519.1	L-.0007	.0238	.0410	.3252	L-.0081	7.044
#1	H517.0	L-.0020	.0230	.0405	.3247	L-.0143	7.021
#2	H521.2	L.0006	.0246	.0415	.3256	L-.0019	7.066

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	7.541	1.403	L.0001	.0999	10.93	L-.0069	L-.0054
#1	7.522	1.398	L.0005	.0999	11.18	L-.0272	L-.0056
#2	7.560	1.409	L-.0004	.0999	10.68	L.0135	L-.0051

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4463.	L-.0016	.0110	.5269	L-.0597	21.20	.0089
#1	S4463.	L-.0013	.0103	.5262	L-.0855	20.85	.0096
#2	S4463.	L-.0018	.0116	.5276	L-.0338	21.56	.0083

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0069	.0084	.8061
#1	L-.0180	.0095	.8044
#2	L.0041	.0073	.8079

Method: 20064 Sample Name: K0608893-005 Operator: MMR
Run Time: 10/20/06 10:30:00
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6195	L-.0015	L-.0311	.7259	.0007	.1341	L-.0002
#1	.6251	L.0033	L-.0115	.7214	.0007	.1305	L-.0004
#2	.6139	L-.0062	L-.0507	.7304	.0008	.1377	L.0001

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	41.09	.0020	.0318	.0404	1.014	L.0051	11.89
#1	40.90	L.0015	.0326	.0404	1.006	L-.0021	11.83
#2	41.28	.0026	.0311	.0404	1.022	L.0122	11.95

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.78	7.117	L-.0020	.0184	4.164	L.0009	L-.0020
#1	11.62	7.074	L-.0028	.0138	3.962	L-.0031	L-.0005
#2	11.94	7.160	L-.0012	.0230	4.366	L.0049	L-.0035

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1298.	L-.0163	L.0001	.6928	L-.0710	6.242	L.0010
#1	H1288.	L-.0103	L-.0009	.6890	L-.0593	6.232	L.0000
#2	H1308.	L-.0222	L.0011	.6965	L-.0828	6.252	.0019

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0227	L-.0014	.4413
#1	L-.0340	L-.0024	.4384
#2	L-.0114	L-.0003	.4442

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Method: 20064 Sample Name: K0608893-006 Operator: MMR
Run Time: 10/20/06 10:31:56
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5335	L-.0041	L-.0265	.6744	.0007	.1315	L.0015
#1	.5140	L-.0146	L-.0310	.6778	.0007	.1337	L.0006
#2	.5529	L.0064	L-.0220	.6709	.0007	.1294	L.0023

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	42.41	L-.0001	.0319	.0385	.3317	L.0087	11.77
#1	42.52	L-.0016	.0296	.0365	.3324	L-.0001	11.81
#2	42.30	L.0014	.0342	.0405	.3311	L.0174	11.74

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.48	6.237	L-.0021	.0149	5.106	L-.0059	L-.0025
#1	11.47	6.257	L-.0046	.0138	4.902	L.0025	L-.0055
#2	11.49	6.218	L.0005	.0161	5.311	L-.0144	L.0006

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2854.	L-.0153	L-.0001	.6027	L-.0620	5.878	.0012
#1	S4465.	L-.0160	L-.0007	.6040	L-.0729	5.892	L.0003
#2	H1243.	L-.0146	L.0005	.6013	L-.0511	5.864	.0022

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0452	L.0008	.4042
#1	L-.0395	L.0014	.4062
#2	L-.0508	L.0003	.4022

Method: 20064 Sample Name: K0608947-001 Operator: MMR
Run Time: 10/20/06 10:33:49
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1100	L.0216	L-.0233	.7722	L-.0001	.5179	.0056
#1	.1159	L.0242	L-.0289	.7768	L-.0002	.5193	.0031
#2	.1040	L.0190	L-.0177	.7676	L.0001	.5164	.0082

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H718.9	L-.0026	.0056	.0055	L.0016	L.0056	23.49
#1	H718.4	L-.0044	.0077	.0065	L.0015	L.0019	23.50
#2	H719.5	L-.0009	.0036	.0045	L.0017	L.0093	23.48

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.93	3.815	.0397	.0247	62.23	L-.0109	L-.0045
#1	24.88	3.818	.0389	.0172	62.05	L-.0169	L-.0045
#2	24.99	3.812	.0406	.0321	62.41	L-.0050	L-.0045

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2887.	L-.0117	.0181	.4259	L-.0534	37.40	.0072
#1	H1312.	L-.0078	.0165	.4293	L-.0558	37.10	.0071
#2	S4463.	L-.0156	.0197	.4225	L-.0511	37.70	.0073

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0191	.0604	1.495
#1	L-.0102	.0604	1.500
#2	L.0485	.0604	1.489

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Method: 20064 Sample Name: K0608947-001D Operator: MMR
Run Time: 10/20/06 10:35:43
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1151	L.0095	L-.0075	.7880	L-.0001	.5316	.0058
#1	.1286	L.0031	L-.0020	.8041	L-.0001	.5351	.0071
#2	.1016	L.0158	L-.0130	.7719	L-.0001	.5281	.0046

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H725.1	L-.0025	.0043	.0045	L.0017	L.0133	23.70
#1	H728.6	L-.0011	.0046	.0055	L.0014	.0261	23.87
#2	H721.6	L-.0039	.0041	.0035	L.0021	L.0006	23.54

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	25.28	3.854	.0402	.0264	63.67	L.0079	L-.0075
#1	25.77	3.886	.0406	.0310	64.63	L.0208	L-.0060
#2	24.78	3.821	.0397	.0218	62.70	L-.0050	L-.0090

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2882.	L-.0131	.0187	.4259	L.0319	38.39	.0072
#1	S4461.	L-.0170	.0191	.4279	L.0506	38.76	.0065
#2	H1303.	L-.0092	.0184	.4238	L.0131	38.02	.0079

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0375	.0615	1.517
#1	L-.0318	.0626	1.541
#2	L-.0432	.0604	1.493

Method: 20064 Sample Name: K0608947-001S Operator: MMR
Run Time: 10/20/06 10:37:34
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1407	.0422	5.171	9.893	L-.0001	.5274	1.060
#1	.1256	.0447	5.135	9.811	L-.0001	.5252	1.055
#2	.1557	.0397	5.208	9.975	L-.0001	.5295	1.065

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H720.0	4.783	.0136	.0077	L.0017	4.932	23.44
#1	H717.2	4.761	.0118	.0060	L.0017	4.910	23.33
#2	H722.9	4.806	.0153	.0095	L.0017	4.954	23.56

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.66	3.805	.0385	.0281	60.99	1.039	.9461
#1	24.55	3.782	.0381	.0253	60.70	1.025	.9385
#2	24.77	3.827	.0389	.0310	61.28	1.054	.9537

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2869.	L-.0012	.0169	.4265	L.0147	38.05	.0067
#1	H1277.	L.0069	.0176	.4245	L-.0198	37.80	.0072
#2	S4461.	L-.0092	.0162	.4286	L.0491	38.29	.0061

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0214	.0607	1.474
#1	L-.0289	.0636	1.463
#2	L-.0139	.0577	1.486

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Method: 20064 Sample Name: K0608882-008 Operator: MMR
Run Time: 10/20/06 10:39:40
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2265	L.0001	L-.0009	.3955	L.0001	.1172	L.0023
#1	.2170	L-.0104	L.0081	.3969	L.0000	.1187	L.0008
#2	.2360	L.0107	L-.0098	.3941	.0001	.1157	.0037

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	315.5	L-.0006	.0054	39.86	.1361	L.0051	2.604
#1	315.2	L-.0014	.0041	40.02	.1352	L-.0076	2.605
#2	315.7	L.0001	.0067	39.69	.1370	L.0179	2.603

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.845	2.729	L-.0017	.0235	3.749	L.0106	L.0009
#1	2.785	2.727	L-.0037	.0230	3.505	L.0131	L-.0020
#2	2.904	2.730	L.0004	.0241	3.993	L.0081	L.0037

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4462.	L.0083	L-.0002	.2651	L-10.44	1.173	.0069
#1	S4462.	L.0124	L-.0022	.2654	L-10.54	1.193	.0073
#2	S4461.	L.0041	L.0018	.2647	L-10.33	1.152	.0065

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0095	.0032	.3013
#1	L-.0076	L-.0019	.3022
#2	L-.0113	.0084	.3003

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Method: 20064 Sample Name: K0608882-008D Operator: MMR
Run Time: 10/20/06 10:41:49
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2947	L.0107	L.0272	.5654	L.0001	.1547	L.0019
#1	.3050	L.0150	L.0234	.5694	L.0000	.1548	L.0015
#2	.2845	L.0065	.0309	.5615	.0001	.1547	L.0023

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	441.4	L-.0025	.0072	58.39	.1848	L.0023	3.670
#1	442.1	L-.0039	.0061	58.88	.1846	L-.0009	3.680
#2	440.7	L-.0011	.0083	57.91	.1849	L.0054	3.659

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.015	3.871	L-.0037	.0350	5.040	L.0261	L-.0019
#1	3.873	3.881	L-.0054	.0356	4.432	L.0201	L-.0011
#2	4.157	3.862	L-.0021	.0344	5.649	L.0320	L-.0026

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4443.	L.0120	L-.0013	.3765	L-14.39	1.495	.0090
#1	S4442.	L.0019	L-.0036	.3796	L-14.19	1.521	.0092
#2	S4444.	.0221	L.0010	.3735	L-14.59	1.469	.0089

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0147	.0035	.4349
#1	L.0001	.0030	.4378
#2	L.0293	.0041	.4320

dilute to 50 ml
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see redigest
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Method: 20064 Sample Name: K0608882-008S Operator: MMR
Run Time: 10/20/06 10:43:44
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2186	L.0096	5.350	9.938	L-.0001	.1390	1.089
#1	.2392	L.0240	5.366	9.947	L-.0001	.1375	1.090
#2	.1980	L-.0049	5.334	9.929	L.0000	.1404	1.088

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	332.0	5.039	.0097	41.06	.1385	5.213	2.719
#1	334.0	5.059	.0107	41.14	.1384	5.239	2.730
#2	330.0	5.020	.0087	40.98	.1387	5.186	2.707

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.978	2.855	L-.0037	.0224	2.559	1.063	.4758
#1	2.878	2.866	L-.0029	.0207	2.508	1.060	.4806
#2	3.077	2.844	L-.0046	.0241	2.609	1.066	.4710

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4462.	L-.0138	L-.0039	.2872	L-10.84	1.256	.0053
#1	S4460.	L-.0197	L-.0055	.2892	L-10.86	1.274	.0054
#2	S4463.	L-.0078	L-.0022	.2851	L-10.82	1.238	.0052

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0472	L-.0016	.3100
#1	L-.0361	L-.0035	.3106
#2	L-.0583	L.0003	.3093

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Method: 20064 Sample Name: K0608882-009 Operator: MMR
Run Time: 10/20/06 10:45:46
Comment: K0608947 8882 8893 TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.3068	L-.0111	L-.0080	.4763	L.0001	.1244	L.0024
#1	.3194	L-.0148	L.0083	.4814	L-.0000	.1200	L.0018
#2	.2941	L-.0074	L-.0243	.4712	.0001	.1287	.0031

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.67	.0034	.0133	4.691	.2266	.7802	2.926
#1	17.68	.0024	.0143	4.739	.2272	.7768	2.935
#2	17.65	.0045	.0122	4.642	.2260	.7836	2.916

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.024	1.163	L.0000	.0115	L.4832	L.0187	L-.0032
#1	3.056	1.167	L.0013	.0092	L.3821	L.0202	L-.0027
#2	2.992	1.160	L-.0012	.0138	L.5842	L.0172	L-.0037

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2861.	L-.0032	.0035	.2689	L-1.288	.7198	.0078
#1	S4463.	L-.0041	L.0028	.2689	L-1.284	.7327	.0062
#2	H1260.	L-.0023	.0043	.2688	L-1.292	.7069	.0095

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0373	.0054	.0889
#1	L-.0446	.0073	.0897
#2	L-.0300	.0035	.0881

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Analysis Report QC Standard 10/20/06 10:49:48 AM page 1

Method: 20064 Sample Name: CCV5 Operator: MMR
Run Time: 10/20/06 10:47:55
Comment: ICP3-74-B 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.818	5.034	2.032	.4642	.4981	4.877	.5333
#1	4.807	5.041	2.013	.4643	.4985	4.887	.5314
#2	4.829	5.028	2.052	.4640	.4977	4.866	.5352

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.214	5.192	.5177	.4619	5.103	5.357	5.034
#1	5.222	5.196	.5215	.4626	5.102	5.356	5.039
#2	5.206	5.188	.5138	.4611	5.103	5.358	5.029

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.881	.5097	.5065	5.312	23.26	1.994	.4912
#1	4.832	.5109	.5049	5.324	23.28	1.979	.4917
#2	4.930	.5085	.5082	5.301	23.25	2.009	.4907

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.57	Q5.731	.4959	2.529	25.98	5.068	.5023
#1	23.48	Q5.734	.4955	2.533	26.05	5.079	.5056
#2	23.67	Q5.728	.4962	2.525	25.91	5.056	.4991

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.218	2.285	.4686
#1	5.170	2.281	.4685
#2	5.266	2.290	.4687

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Method: 20064 Sample Name: CCB5 Operator: MMR
Run Time: 10/20/06 10:49:55 68523
Comment:
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0023	-.0142	-.0210	-.0003	-.0000	.0226	.0016
#1	-.0035	-.0148	-.0252	-.0003	.0000	.0262	.0021
#2	-.0011	-.0137	-.0168	-.0003	-.0000	.0189	.0011

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0011	-.0026	-.0015	-.0012	.0130	.0001
#1	.0008	.0013	-.0036	-.0025	-.0021	.0080	-.0000
#2	.0022	.0009	-.0016	-.0005	-.0003	.0180	.0002

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0466	-.0000	-.0046	.0040	-.3031	-.0069	-.0018
#1	-.0254	-.0000	-.0054	.0011	-.3514	-.0069	-.0015
#2	.1185	-.0001	-.0038	.0069	-.2548	-.0069	-.0020

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0719	-.0083	.0008	-.0000	.0047	-.0071	.0010
#1	.0612	-.0110	-.0000	-.0003	.0118	-.0085	.0003
#2	.0826	-.0055	.0016	.0003	-.0023	-.0056	.0016

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0018	-.0030	-.0001
#1	-.0073	-.0019	-.0003
#2	.0037	-.0041	.0000

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Method: 20064 Sample Name: K0608882-008 Dup Operator: MMR
Run Time: 10/20/06 10:51:52
Comment: K0608947 8882 8893 TCLP DILUTED 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2134	L.0133	L-.0110	.3931	.0001	.1106	.0033
#1	.2059	L.0033	L-.0124	.3923	.0001	.1070	.0037
#2	.2209	L.0233	L-.0097	.3939	.0001	.1143	L.0028

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	306.7	L-.0010	.0049	39.71	.1285	L-.0039	2.554
#1	305.3	L-.0020	.0046	39.64	.1284	L-.0170	2.545
#2	308.0	L-.0001	.0051	39.77	.1286	L.0092	2.563

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.851	2.692	L-.0017	.0264	3.147	L.0066	L-.0004
#1	2.819	2.682	L-.0037	.0321	2.754	L-.0087	L-.0014
#2	2.883	2.702	L.0004	.0207	3.540	L.0220	L.0006

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S2879.	L-.0004	L-.0010	.2617	L-9.826	.9778	.0052
#1	H1297.	L.0064	L-.0016	.2620	L-9.674	.9712	.0040
#2	S4462.	L-.0073	L-.0005	.2613	L-9.978	.9845	.0065

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0170	L.0011	.3010
#1	L-.0373	L-.0008	.3003
#2	L.0033	.0030	.3017

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Analysis Report 10/20/06 10:55:56 AM

Method: 20064 Sample Name: K0608882-009L Operator: MMR
Run Time: 10/20/06 10:54:06
Comment: K0608882 1/5 DILUTION TCLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0456	L-.0295	L-.0320	.0955	L-.0000	.0362	L.0022
#1	.0265	L-.0401	L-.0580	.0980	L-.0000	.0363	L.0016
#2	.0648	L-.0190	L-.0060	.0931	L-.0000	.0362	L.0027

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.656	L.0001	L-.0011	.9367	.0444	.1715	.6023
#1	3.698	L-.0016	L-.0041	.9679	.0443	.1633	.6147
#2	3.615	L.0017	L.0020	.9054	.0445	.1796	.5898

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.6010	.2380	L-.0029	L.0052	L-.3734	L.0169	L-.0053
#1	.5375	.2426	L-.0021	L.0046	L-.8785	L.0159	L-.0092
#2	.6645	.2334	L-.0038	L.0057	L.1318	L.0179	L-.0015

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	260.3	L-.0094	L.0010	.0595	L-.2512	.1301	.0023
#1	270.2	L-.0073	L.0004	.0595	L-.2559	.1253	.0027
#2	250.3	L-.0115	L.0016	.0595	L-.2465	.1349	.0019

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L.0142	L-.0054	.0178
#1	L.0125	L-.0106	.0182
#2	L.0160	L-.0003	.0174

Analysis Report 10/20/06 10:57:54 AM

Method: 20064 Sample Name: PBE Operator: MMR
Run Time: 10/20/06 10:56:04
Comment: K0608882 SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0159	L.0042	L-.0179	.0328	L-.0000	.0218	L.0020
#1	L.0028	L.0064	L-.0103	.0332	L-.0000	.0204	L.0010
#2	.0290	L.0021	L-.0254	.0324	L-.0000	.0233	L.0030

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0876	L.0015	L-.0023	L.0005	.0034	L.0021	.0038
#1	.0859	L.0017	L-.0031	L-.0005	L.0025	L.0043	.0038
#2	.0894	L.0013	L-.0016	L.0015	.0043	L-.0001	.0038

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0720	.0006	L-.0008	L.0052	L.3228	L.0089	L-.0010
#1	L.0635	L-.0000	L-.0013	L.0069	L.1186	L.0149	L-.0010
#2	L.0804	.0012	L-.0004	L.0034	L.5271	L.0030	L-.0010

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2027	L-.0074	L.0025	.0068	L-.0196	.0661	.0019
#1	.1886	L.0005	L.0023	.0058	L-.0368	.0689	.0014
#2	.2168	L-.0152	L.0027	.0078	L-.0023	.0634	.0024

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0092	.0068	.0008
#1	L-.0367	L-.0014	.0008
#2	L.0183	.0149	.0008

Analysis Report 10/20/06 10:59:47 AM

Method: 20064 Sample Name: LCSE Operator: MMR
Run Time: 10/20/06 10:57:56
Comment: K0608882 SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.083	2.581	2.634	5.074	.1279	1.031	1.334
#1	5.127	2.595	2.639	5.120	.1289	1.046	1.343
#2	5.040	2.567	2.629	5.029	.1269	1.017	1.325

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.41	.5372	1.359	.6141	2.698	2.736	12.93
#1	13.47	.5413	1.366	.6191	2.715	2.745	13.01
#2	13.34	.5330	1.351	.6091	2.680	2.727	12.86

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.57	1.349	1.087	1.367	11.75	2.543	.6282
#1	12.70	1.357	1.090	1.374	11.57	2.580	.6328
#2	12.45	1.341	1.084	1.360	11.94	2.505	.6235

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.58	-.0185	1.299	1.282	-.1546	.1021	.0009
#1	12.70	-.0227	1.308	1.289	-.1929	.1040	.0009
#2	12.46	-.0144	1.290	1.275	-.1162	.1002	.0009

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.696	.0008	.0011
#1	2.725	.0041	.0011
#2	2.667	-.0024	.0011

Analysis Report 10/20/06 11:01:40 AM

Method: 20064 Sample Name: K0608882-019 Operator: MMR
Run Time: 10/20/06 10:59:51
Comment: K0608882 SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8026	L-.0143	L-.0374	.4719	L-.0000	.1521	L.0024
#1	.8045	L-.0222	L-.0421	.4791	L-.0000	.1550	.0033
#2	.8006	L-.0063	L-.0327	.4648	L-.0000	.1493	L.0015

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.43	L.0016	L-.0014	.7255	1.906	L.0150	11.75
#1	15.53	L.0017	L-.0032	.7342	1.926	L.0119	11.85
#2	15.32	L.0015	L.0003	.7167	1.886	L.0182	11.64

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.41	.0255	L-.0006	.0121	4.704	L.0101	L-.0024
#1	11.64	.0255	L.0006	.0161	4.603	L.0265	L-.0047
#2	11.19	.0255	L-.0019	.0080	4.805	L-.0063	L-.0001

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.1	L-.0043	.0069	.1064	L-.1819	2.988	.0550
#1	104.9	L-.0043	.0062	.1070	L-.2101	3.015	.0561
#2	101.2	L-.0043	.0077	.1057	L-.1537	2.961	.0539

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0250	.0032	.0922
#1	L-.0361	L.0003	.0937
#2	L-.0139	.0062	.0908

Method: 20064 Sample Name: K0608882-019D Operator: MMR
Run Time: 10/20/06 11:01:44
Comment: K0608882 SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.8466	L.0000	L-.0367	.4767	L-.0001	.1638	L.0006
#1	.8410	L.0021	L-.0292	.4809	L-.0002	.1667	L.0014
#2	.8521	L-.0021	L-.0442	.4724	L-.0000	.1609	L-.0001

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.57	L-.0013	L-.0010	.7305	1.948	L.0044	11.85
#1	15.66	L-.0015	L-.0013	.7352	1.964	L.0063	11.93
#2	15.48	L-.0011	L-.0007	.7257	1.933	L.0026	11.78

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.34	.0260	L-.0019	L.0034	4.502	L-.0008	L-.0037
#1	11.42	.0265	L-.0011	L.0011	4.520	L-.0002	L-.0052
#2	11.26	.0255	L-.0027	L.0057	4.485	L-.0013	L-.0022

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.9	L-.0164	.0054	.1074	L-.2179	3.164	.0591
#1	105.1	L-.0153	.0055	.1084	L-.1819	3.180	.0588
#2	102.6	L-.0176	.0054	.1064	L-.2539	3.148	.0594

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0197	L-.0005	.0933
#1	L-.0436	L-.0008	.0940
#2	L.0043	L-.0003	.0926

Method: 20064 Sample Name: K0608882-019S Operator: MMR
Run Time: 10/20/06 11:03:37
Comment: K0608882 SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.746	.9996	1.980	4.363	.0983	2.075	.1202
#1	4.749	1.003	1.968	4.357	.0982	2.075	.1199
#2	4.743	.9964	1.992	4.368	.0984	2.076	.1205

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	15.58	.4217	1.065	1.197	4.038	1.088	11.82
#1	15.56	.4208	1.065	1.195	4.030	1.092	11.81
#2	15.61	.4226	1.066	1.199	4.045	1.084	11.84

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11.52	1.078	2.127	1.057	4.983	1.986	.0991
#1	11.51	1.076	2.116	1.064	5.056	1.996	.0993
#2	11.52	1.079	2.137	1.049	4.911	1.976	.0989

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	103.0	L-.0120	1.053	1.106	L-.3543	3.195	.0574
#1	102.8	L-.0225	1.050	1.102	L-.3605	3.198	.0576
#2	103.2	L-.0014	1.057	1.111	L-.3481	3.192	.0571

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.055	L.0008	.0933
#1	2.016	L.0003	.0932
#2	2.094	L.0014	.0934

Method: 20064 Sample Name: K0608882-020 Operator: MMR
Run Time: 10/20/06 11:05:26
Comment: K0608882 SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0664	L.0063	L-.0319	.1890	L-.0001	.8949	L.0017
#1	.0746	L.0063	L-.0389	.1883	L-.0002	.8965	L.0023
#2	.0581	L.0063	L-.0249	.1898	L-.0000	.8934	L.0012

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	77.41	L-.0029	L-.0022	.0095	.1280	L.0167	H145.2
#1	77.28	L-.0039	L-.0012	.0100	.1271	L.0111	H145.0
#2	77.55	L-.0019	L-.0032	.0090	.1288	.0222	H145.4

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	193.5	.0003	.0226	L.0075	61.73	L-.0092	L-.0006
#1	193.2	.0003	.0239	L.0034	61.53	L-.0196	L-.0004
#2	193.8	.0003	.0214	.0115	61.94	L.0012	L-.0009

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	S4452.	L-.0383	.0094	.0190	L-.0033	2.004	.0029
#1	S4451.	L-.0381	.0077	.0194	L.0319	2.004	.0016
#2	S4452.	L-.0386	.0111	.0187	L-.0385	2.004	.0043

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.0765	.0260	1.163
#1	.0802	.0246	1.162
#2	.0728	.0274	1.165

Analysis Report 10/20/06 11:09:22 AM page 1

Method: 20064 Sample Name: K0608882-019L Operator: MMR
Run Time: 10/20/06 11:07:36
Comment: K0608882 1/5 DILUTION SPLP 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1738	L.0027	L-.0134	.0964	L.0001	.0436	L-.0002
#1	.1631	L.0021	L-.0171	.0967	.0001	.0414	L-.0015
#2	.1845	L.0032	L-.0097	.0962	L-.0000	.0458	L.0011

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	3.210	.0026	L.0002	.1497	.3962	L.0197	2.474
#1	3.217	.0030	L-.0005	.1499	.3977	.0203	2.482
#2	3.203	.0022	L.0010	.1494	.3946	L.0190	2.465

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.496	.0057	L-.0012	.0080	1.421	L.0087	L.0024
#1	2.577	.0058	L-.0012	.0092	1.296	L.0067	L.0006
#2	2.416	.0057	L-.0012	L.0069	1.546	L.0107	.0042

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	21.21	L.0042	.0041	.0234	L-.0198	.6077	.0118
#1	21.32	L.0033	.0046	.0241	L-.0182	.6063	.0127
#2	21.11	L.0051	.0036	.0228	L-.0214	.6092	.0108

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0187	L-.0087	.0189
#1	L-.0168	L-.0192	.0190
#2	L-.0205	L.0019	.0187

Analysis Report QC Standard 10/20/06 11:11:26 AM page 1

Method: 20064 Sample Name: CCV6 Operator: MMR
Run Time: 10/20/06 11:09:31
Comment: ICP3-74-B 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.919	5.169	2.076	.4722	.5087	4.964	.5469
#1	4.895	5.146	2.074	.4681	.5053	4.939	.5404
#2	4.942	5.192	2.079	.4763	.5122	4.989	Q.5535

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.335	5.314	.5299	.4701	5.221	5.476	5.139
#1	5.322	5.291	.5293	.4671	5.189	5.455	5.114
#2	5.348	5.336	.5304	.4731	5.252	5.497	5.164

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.997	.5217	.5179	5.483	24.12	2.043	.5002
#1	5.014	.5187	.5158	5.469	23.97	2.021	.4999
#2	4.980	.5248	.5200	5.497	24.26	2.064	.5005

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	23.90	Q5.615	.5068	2.577	26.75	5.162	.5045
#1	23.72	Q5.603	.5036	2.564	26.58	5.139	.5012
#2	24.08	Q5.626	.5100	2.590	26.93	5.185	.5077

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.164	2.293	.4762
#1	5.104	2.275	.4727
#2	5.225	2.311	.4798

Analysis Report QC Standard 10/20/06 11:15:17 AM page 1

Method: 20064 Sample Name: CCB6 Operator: MMR
Run Time: 10/20/06 11:11:32
Comment: 68523
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0179	-.0037	-.0206	.0001	-.0001	.0211	.0016
#1	.0242	.0021	-.0281	.0003	-.0001	.0233	.0021
#2	.0115	-.0095	-.0131	.0000	-.0000	.0189	.0010

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	-.0005	-.0006	.0015	-.0005	.0059	.0004
#1	.0019	-.0011	-.0005	.0015	.0007	.0037	.0005
#2	.0011	-.0000	-.0006	.0015	-.0018	.0081	.0002

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0085	.0003	-.0008	.0006	-.0220	-.0005	.0015
#1	-.0508	.0002	-.0004	-.0011	.2987	-.0079	.0020
#2	.0677	.0004	-.0013	.0023	-.3426	.0069	.0010

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0846	-.0122	.0008	.0007	-.0180	.0060	-.0001
#1	.0894	-.0023	.0005	.0003	.0055	.0123	.0000
#2	.0798	-.0220	.0011	.0010	-.0415	-.0002	-.0003

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0165	-.0003	.0000
#1	-.0220	.0024	.0000
#2	-.0110	-.0030	.0000

Service Request # K0608882 #8
Instrument ID# K-ICP-AES-01

ICP-OES Data Review Form

		Yes	No
1.	Standardization completed	✓	
2.	ICV within 10 % of true value	✓	
3.	ICB below MRL	✓	
4.	CRI standard analyzed.	✓	
5.	ICS standards within 20% of true value	✓	
6.	All preceding CCVs within 10 % of true value	✓	
7.	Following CCV within 10 % of true value	✓	
8.	Bracketing CCBs below MRL	✓	
9.	Method Blank below MRL	✓	
10.	MS-MSD or Dup-MS and LCS within CAS control limits	✓	
11.	All analytes within instrument linear range	✓	
12.	Adequate rinse out time allowed between samples to eliminate memory effect	✓	

Comments
Do not report Cd by 200.7. Do not report Sn.

TCLP- #8 Redigest

Primary Review by LMMR Date 11/20/06

Secondary Review by [illegible] Date 11/20/6

Method: CUMNCD Sample Name: CUMNCD Operator: MMR
Run Time: 11/20/06 09:07:37
Comment: ICP3-62-D
Mode: IR Corr. Factor: 1

Elem	Cd2288	Mn2576
Avge	943.3	7.284
SDev	4.2	.012
%RSD	.4443	.1658
#1	938.0	7.286
#2	937.0	7.258
#3	944.0	7.293
#4	950.0	7.291
#5	943.0	7.284
#6	945.0	7.287
#7	940.0	7.273
#8	948.0	7.275
#9	946.0	7.298
#10	942.0	7.295

IntStd	1	2	3	4	5	6	7
Mode	*Counts	None	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Cu	--	--	--	--	--	--
Wavlen	324.754	--	--	--	--	--	--
Avge	1742	1	--	--	--	--	--
SDev	4.433459	.0000000	--	--	--	--	--
%RSD	.2544893	.0000000	--	--	--	--	--
#1	1742	1	--	--	--	--	--
#2	1745	1	--	--	--	--	--
#3	1737	1	--	--	--	--	--
#4	1739	1	--	--	--	--	--
#5	1745	1	--	--	--	--	--
#6	1743	1	--	--	--	--	--
#7	1745	1	--	--	--	--	--
#8	1747	1	--	--	--	--	--
#9	1733	1	--	--	--	--	--
#10	1745	1	--	--	--	--	--

Method: 20064 Standard: STD1-Blank
Run Time: 11/20/06 09:09:15

71529

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Avge	.0054	.0005	-.0022	.0000	.0010	.0131	.0002
#1	.0061	.0000	-.0016	.0001	.0010	.0131	.0001
#2	.0047	.0010	-.0029	-.0001	.0010	.0131	.0003

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Avge	.0017	.0002	-.0005	.0007	.0014	.0014	.0006
#1	.0023	.0007	-.0001	.0009	.0016	.0013	.0006
#2	.0010	-.0003	-.0009	.0006	.0011	.0016	.0006

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Avge	-.0006	.0006	.0002	.0000	.0061	.0037	-.0014
#1	-.0007	.0004	.0003	-.0001	.0059	.0047	-.0014
#2	-.0004	.0007	.0001	.0001	.0064	.0027	-.0013

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Avge	.1031	-.0024	.0001	.0001	.0006	.0089	.0023
#1	.1020	.0016	.0001	.0001	.0028	.0091	.0021
#2	.1043	-.0064	.0000	.0000	-.0016	.0087	.0024

Elem	Tl1908	Li6707	Sr4215
Avge	-.0019	-.0001	.0000
#1	-.0023	-.0004	.0000
#2	-.0014	.0001	.0000

CMMR 11/20/06

Method: 20064 Standard: STD3
Run Time: 11/20/06 09:11:37 ICP3-76-A 71529

Elem	Al3082	As1936	Be3130	Ca3179	Co2286	Cu3247	Fe2599
Avge	1.750	.6538	1.105	5.488	.3051	.2858	5.414
#1	1.741	.6561	1.100	5.481	.3046	.2844	5.391
#2	1.759	.6514	1.109	5.496	.3056	.2871	5.437

Elem	Pb2203	Mg2795	Mg3832	Mn2576	Mo2020	Se1960	V_2924
Avge	2.514	6.280	.3176	2.428	.1803	.6059	.4521
#1	2.513	6.260	.3153	2.419	.1801	.6063	.4506
#2	2.515	6.300	.3199	2.437	.1804	.6056	.4537

Elem	Zn2138	Ti3349
Avge	1.093	.5326
#1	1.089	.5297
#2	1.097	.5354

Method: 20064 Standard: STD2
Run Time: 11/20/06 09:13:29 ICP3-76-B 71529

Elem	Sb2068	Ba4934	B_2496	Cd2288	Cr2677	Ni2316	K_7665
Avge	1.451	.2709	.9902	.1684	7.029	1.265	.8235
#1	1.457	.2716	.9903	.1679	7.045	1.268	.8227
#2	1.445	.2702	.9901	.1689	7.013	1.262	.8242

Elem	Ag3280	Na5889	Sn1899	P_2149	Si2881	Tl1908	Li6707
Avge	.2859	11.41	3.398	2.336	3.566	.4096	.6081
#1	.2867	11.41	3.398	2.354	3.572	.4113	.6097
#2	.2850	11.40	3.398	2.318	3.559	.4080	.6066

Elem	Sr4215
Avge	.5279
#1	.5294
#2	.5264

Method: 20064 Sample Name: ICV Operator: MMR
Run Time: 11/20/06 09:15:45
Comment: ICP3-73-F 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.978	2.483	2.485	5.048	.1228	.0151	1.306
#1	4.988	2.501	2.502	5.046	.1228	.0165	1.306
#2	4.968	2.466	2.468	5.049	.1228	.0136	1.306

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.49	.5014	1.264	.6248	2.526	2.521	12.44
#1	12.49	.5013	1.261	.6253	2.525	2.515	12.44
#2	12.50	.5015	1.267	.6243	2.527	2.527	12.44

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.42	1.258	2.079	1.244	12.59	2.475	.6242
#1	12.40	1.258	2.082	1.244	12.90	2.468	.6254
#2	12.43	1.259	2.076	1.243	12.28	2.482	.6230

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12.48	.0033	1.267	1.259	-.2222	-.0006	2.060
#1	12.45	.0010	1.268	1.259	-.1894	.0021	2.063
#2	12.51	.0056	1.267	1.259	-.2551	-.0034	2.056

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	2.474	.0015	.0003
#1	2.466	.0018	.0003
#2	2.483	.0012	.0003

Method: 20064 Sample Name: ICV STD 4 Operator: MMR
Run Time: 11/20/06 09:17:56
Comment: ICP3-70-G 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0187	.0069	.0012	.0004	.0001	5.002	-.0004
#1	.0359	.0173	.0082	.0009	.0001	5.009	.0003
#2	.0015	-.0036	-.0058	-.0001	.0001	4.995	-.0012

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0125	.0075	-.0033	.0005	.0261	.0011	.0090
#1	.0156	.0082	-.0019	.0025	.0265	.0090	.0096
#2	.0095	.0068	-.0046	-.0015	.0257	-.0069	.0084

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0292	.0002	.0028	.0068	-.2818	.0057	-.0035
#1	.0134	.0005	.0028	.0068	-.0415	.0000	-.0002
#2	.0450	-.0001	.0028	.0068	-.5222	.0114	-.0067

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13.67	5.045	.0015	.0026	4.998	4.903	-.0000
#1	13.69	5.039	.0018	.0036	4.992	4.914	-.0005
#2	13.66	5.052	.0012	.0016	5.005	4.891	.0005

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0123	4.928	1.017
#1	.0103	4.921	1.017
#2	-.0348	4.935	1.016

Method: 20064 Sample Name: ICB Operator: MMR
Run Time: 11/20/06 09:19:49
Comment: 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0045	-.0015	.0035	-.0004	.0001	.0073	-.0013
#1	.0066	.0045	.0022	-.0004	-.0000	.0073	-.0021
#2	.0025	-.0075	.0049	-.0004	.0001	.0073	-.0005

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0015	.0001	.0002	-.0015	-.0005	.0000	-.0001
#1	-.0016	.0011	.0002	-.0015	-.0009	.0023	.0000
#2	-.0014	-.0009	.0003	-.0015	-.0001	-.0023	-.0002

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0406	-.0001	-.0016	-.0045	.1879	.0090	-.0015
#1	-.0406	-.0001	-.0020	-.0023	-.0109	.0085	-.0002
#2	-.0406	-.0001	-.0012	-.0068	.3867	.0094	-.0027

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0107	.0046	.0006	.0003	-.0206	-.0016	.0004
#1	.0209	.0021	.0004	.0003	.0084	-.0002	.0005
#2	.0006	.0071	.0007	.0004	-.0497	-.0030	.0003

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0347	-.0021	-.0001
#1	-.0278	-.0006	.0000
#2	-.0417	-.0035	-.0003

Analysis Report QC Standard 11/20/06 09:29:51 AM page 1

Method: 20064 Sample Name: CCV1 Operator: MMR
Run Time: 11/20/06 09:26:07
Comment: ICP3-76-D 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.966	5.069	2.035	.4964	.5039	5.055	Q.5328
#1	4.942	5.052	2.044	.4951	.5021	5.050	Q.5294
#2	4.959	5.069	2.044	.4959	.5034	5.068	Q.5320
#3	4.985	5.078	2.032	.4980	.5051	5.034	Q.5356
#4	4.977	5.078	2.018	.4967	.5051	5.068	Q.5340

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.106	5.111	.5065	.4906	5.044	5.105	5.076
#1	5.087	5.093	.5056	.4886	5.029	5.096	5.059
#2	5.107	5.107	.5043	.4906	5.039	5.111	5.073
#3	5.114	5.120	.5085	.4926	5.054	5.100	5.085
#4	5.117	5.125	.5075	.4906	5.055	5.115	5.088

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.986	.5026	.5076	5.148	25.24	1.994	.5058
#1	4.948	.5014	.5052	5.125	25.24	2.014	.5022
#2	4.975	.5024	.5076	5.161	25.29	1.985	.5057
#3	4.930	.5032	.5092	5.154	24.82	1.972	.5082
#4	5.092	.5034	.5084	5.154	25.61	2.004	.5072

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	24.97	5.221	.4991	2.533	25.39	5.086	.5016
#1	24.89	5.215	.4987	2.522	25.23	5.076	.5041
#2	24.92	5.229	.4988	2.534	25.23	5.076	.4995
#3	25.13	5.227	.4992	2.534	25.65	5.099	.5014
#4	24.95	5.212	.4998	2.540	25.44	5.094	.5014

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.089	2.480	.5014
#1	4.978	2.465	.4998
#2	5.061	2.475	.5006
#3	5.113	2.486	.5036
#4	5.203	2.494	.5017

Analysis Report QC Standard 11/20/06 09:32:01 AM page 1

Method: 20064 Sample Name: CCB1 Operator: MMR
Run Time: 11/20/06 09:30:15
Comment: 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0086	.0045	-.0036	-.0003	.0000	.0110	.0000
#1	.0008	.0005	-.0022	-.0001	.0000	.0117	-.0004
#2	.0163	.0085	-.0050	-.0004	.0000	.0103	.0005

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	.0004	.0000	.0005	-.0003	.0037	.0000
#1	-.0018	.0003	-.0007	.0005	-.0005	-.0034	.0000
#2	-.0011	.0005	.0007	.0005	-.0001	.0108	.0000

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0721	-.0002	.0004	.0023	.0721	.0033	-.0008
#1	-.0721	-.0002	-.0004	-.0023	-.1027	-.0057	-.0008
#2	-.0721	-.0002	.0012	.0068	.2469	.0123	-.0007

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0218	.0019	-.0006	.0003	-.0673	-.0060	.0005
#1	.0183	.0038	-.0011	.0003	-.0940	-.0094	.0003
#2	.0253	-.0000	-.0001	.0003	-.0405	-.0026	.0008

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0243	.0018	-.0001
#1	.0069	.0012	-.0003
#2	-.0555	.0023	.0000

Analysis Report QC Standard 11/20/06 09:35:14 AM page 1

Method: 20064 Sample Name: CRI Operator: MMR
Run Time: 11/20/06 09:32:10
Comment: ICP3-73-E 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0583	.0444	.1030	.0050	.0052	.0592	.0067
#1	.0722	.0484	.1144	.0049	.0053	.0569	.0066
#2	.0443	.0404	.0915	.0051	.0052	.0614	.0069

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0657	.0059	.0114	.0110	.0250	.0479	.0221
#1	.0670	.0062	.0116	.0115	.0244	.0507	.0221
#2	.0643	.0056	.0112	.0105	.0256	.0450	.0221

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	Q.0630	.0054	.0115	.0181	2.062	.1006	.0091
#1	Q.1532	.0053	.0107	.0248	2.082	.1049	.0093
#2	Q-.0271	.0054	.0123	.0113	2.043	.0964	.0088

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1359	.0434	.0108	.0117	.1743	.1091	.0102
#1	.1479	.0407	.0112	.0113	.1521	.1109	.0105
#2	.1239	.0462	.0104	.0120	.1964	.1074	.0100

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	.1144	.0012	.0103
#1	.1110	.0012	.0100
#2	.1179	.0012	.0106

Analysis Report QC Standard 11/20/06 09:37:15 AM page 1

Method: 20064 Sample Name: ICSA Operator: MMR
Run Time: 11/20/06 09:35:27
Comment: ICP3-65-G 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	490.4	.0193	-.4246	.0029	.0002	.0065	.0102
#1	491.2	.0383	-.4080	.0036	.0003	.0062	.0121
#2	489.5	.0003	-.4412	.0022	.0002	.0068	.0083

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	471.2	-.0041	-.0102	-.0311	177.8	.1060	224.4
#1	470.9	-.0050	-.0109	-.0321	177.9	.1122	224.2
#2	471.5	-.0032	-.0096	-.0300	177.7	.0998	224.7

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	481.0	-.0191	.0061	-.0085	-.1245	.2147	-.0192
#1	482.1	-.0185	.0042	-.0045	-.4785	.2034	-.0209
#2	480.0	-.0196	.0081	-.0124	.2294	.2260	-.0175

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0408	-.0179	-.0107	.0268	-.3089	.0296	.0039
#1	.0297	.0004	-.0106	.0265	-.2616	.0307	.0040
#2	.0518	-.0362	-.0107	.0272	-.3563	.0284	.0038

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.1217	.0021	.0019
#1	-.0353	.0000	.0019
#2	-.2081	.0041	.0019

Method: 20064 Sample Name: ICSAB Operator: MMR
Run Time: 11/20/06 09:37:31
Comment: ICP3-75-D 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	510.1	.9978	-.5401	.4982	.4902	-.0060	1.018
#1	506.1	.9719	-.5298	.4938	.4872	-.0074	1.011
#2	514.1	1.024	-.5505	.5025	.4933	-.0045	1.025

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	486.2	.4660	.4556	.4567	183.3	1.053	224.7
#1	484.0	.4617	.4521	.4529	182.2	1.049	224.8
#2	488.5	.4702	.4591	.4606	184.4	1.057	224.7

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	500.0	.4594	.0045	.9285	-.1333	.1757	.9532
#1	496.1	.4558	.0040	.9167	-.1595	.1712	.9456
#2	503.9	.4631	.0050	.9404	-.1071	.1802	.9609

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0079	-.0179	.4560	1.002	-.4047	.0006	.0036
#1	.0063	-.0253	.4519	.9966	-.4262	-.0035	.0033
#2	.0095	-.0104	.4602	1.007	-.3832	.0046	.0039

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0549	.0029	.0018
#1	-.0287	.0023	.0016
#2	-.0811	.0035	.0019

Method: 20064 Sample Name: PBE Operator: MMR
Run Time: 11/20/06 09:39:46
Comment: K0608882 TCLP REDIGEST 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0225	L-.0035	L.0043	.0984	.0001	.0153	L.0004
#1	L.0155	L.0045	L.0199	.0982	.0001	.0175	L.0010
#2	.0294	L-.0115	L-.0113	.0985	.0001	.0132	L-.0003

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1425	L.0013	L.0007	.0025	.0076	L.0037	.0073
#1	.1425	L-.0003	L.0012	.0025	.0081	L.0040	.0073
#2	.1424	.0029	L.0003	.0025	.0072	L.0034	.0073

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L-.0000	.0062	L.0016	L.0011	L.2272	L.0184	L-.0015
#1	L-.0136	.0061	L.0004	L-.0023	L.1944	L.0321	L-.0007
#2	L.0135	.0062	L.0028	L.0045	L.2600	L.0047	L-.0022

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1341.	L.0061	L.0002	.0216	L-.0734	.2231	L.0003
#1	H1337.	L.0046	L-.0001	.0219	L-.0772	.2241	L.0005
#2	H1345.	L.0076	L.0006	.0212	L-.0696	.2222	L-.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0173	L-.0006	.0014
#1	L-.0139	L-.0012	.0014
#2	L-.0208	L.0000	.0014

Method: 20064 Sample Name: LCSE Operator: MMR
Run Time: 11/20/06 09:41:40
Comment: K0608882 TCLP REDIGEST 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0058	L.0087	5.208	10.13	L.0001	.0182	1.040
#1	L.0197	L.0168	5.208	10.13	L.0000	.0146	1.037
#2	L-.0082	L.0006	5.209	10.14	.0001	.0219	1.043

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1327	4.988	.0063	L.0005	.0120	4.899	.0061
#1	.1334	4.984	.0073	.0025	.0127	4.891	.0061
#2	.1321	4.992	.0054	L-.0015	.0112	4.908	.0061

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	L.0608	.0037	L.0012	L.0068	L-.2294	1.048	.9657
#1	L.0315	.0038	L-.0004	L.0045	L.2163	1.049	.9701
#2	L.0901	.0035	L.0028	.0090	L-.6751	1.047	.9612

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1362.	L.0015	L-.0017	.0235	L-.0428	.2562	L.0006
#1	H1360.	L.0021	L-.0016	.0238	L-.0359	.2659	L.0009
#2	H1364.	L.0008	L-.0018	.0232	L-.0497	.2465	L.0003

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0296	L-.0026	.0012
#1	L-.0105	L-.0006	.0014
#2	L-.0487	L-.0047	.0011

Method: 20064 Sample Name: K0608882-008 Operator: MMR
Run Time: 11/20/06 09:43:33
Comment: K0608882 TCLP REDIGEST 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2072	L-.0009	L.0193	.4177	.0001	.1088	L-.0010
#1	.2076	L-.0034	L.0170	.4181	.0001	.1118	L-.0006
#2	.2068	L.0015	L.0215	.4173	.0001	.1059	L-.0015

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	306.8	L-.0023	.0063	41.21	.1247	L-.0092	2.561
#1	306.5	L-.0041	.0063	41.16	.1251	L-.0035	2.559
#2	307.1	L-.0006	.0063	41.26	.1244	L-.0149	2.563

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.905	2.695	L-.0012	.0181	3.201	L-.0088	L-.0032
#1	2.916	2.692	L-.0012	.0214	3.563	L-.0121	L-.0017
#2	2.893	2.698	L-.0012	.0147	2.838	L-.0055	L-.0047

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1366.	L.0048	L-.0033	.2636	L-10.20	1.042	.0049
#1	H1365.	L.0059	L-.0033	.2642	L-10.20	1.038	.0053
#2	H1368.	L.0038	L-.0032	.2629	L-10.21	1.047	.0045

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0116	L.0009	.3159
#1	L-.0272	.0023	.3155
#2	L.0040	L-.0006	.3163

Method: 20064 Sample Name: K0608882-008D Operator: MMR
Run Time: 11/20/06 09:45:27
Comment: K0608882 TCLP REDIGEST 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2162	L.0026	L.0045	.4121	.0002	.1088	L-.0013
#1	.2216	L-.0034	L-.0053	.4113	.0003	.1059	L-.0011
#2	.2109	L.0086	L.0143	.4128	.0001	.1118	L-.0014

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	307.4	L-.0023	.0057	41.07	.1261	L-.0118	2.561
#1	307.2	L-.0008	.0064	40.98	.1257	L-.0126	2.558
#2	307.7	L-.0039	.0050	41.15	.1264	L-.0110	2.565

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.902	2.698	L-.0016	.0192	3.507	L.0073	L-.0022
#1	2.934	2.694	L-.0012	.0192	3.275	L-.0102	L-.0027
#2	2.871	2.703	L-.0020	.0192	3.738	L.0248	L-.0017

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1362.	L.0120	L-.0021	.2580	L-10.18	.9944	.0049
#1	H1359.	L.0093	L-.0017	.2570	L-10.14	.9896	.0051
#2	H1366.	L.0147	L-.0024	.2590	L-10.23	.9992	.0048

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0012	L.0012	.3159
#1	L-.0203	L.0012	.3152
#2	L.0180	L.0012	.3166

Method: 20064 Sample Name: K0608882-008S Operator: MMR
Run Time: 11/20/06 09:47:20
Comment: K0608882 TCLP REDIGEST 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.2065	L.0103	5.103	10.17	.0003	.1139	1.032
#1	.2085	L.0165	5.083	10.13	.0003	.1117	1.031
#2	.2044	L.0041	5.122	10.20	.0003	.1161	1.034

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	308.0	4.775	.0117	40.73	.1269	4.798	2.558
#1	307.8	4.764	.0124	40.58	.1267	4.782	2.554
#2	308.1	4.785	.0110	40.88	.1270	4.814	2.563

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.925	2.696	L-.0004	.0169	3.657	1.033	.9630
#1	2.911	2.689	L-.0004	.0214	3.651	1.030	.9608
#2	2.938	2.703	L-.0004	.0124	3.664	1.036	.9652

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H1356.	L.0099	L-.0037	.2603	L-9.957	1.039	.0053
#1	H1348.	L.0097	L-.0034	.2583	L-9.912	1.039	.0054
#2	H1363.	L.0101	L-.0040	.2623	L-10.00	1.039	.0052

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0411	L-.0009	.3138
#1	L-.0342	L.0018	.3128
#2	L-.0480	L-.0035	.3147

Method: 20064 Sample Name: K0608882-008L Operator: MMR
Run Time: 11/20/06 09:49:42
Comment: K0608882 TCLP REDIGEST 1/5 DILUTION 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0401	L-.0154	L.0038	.0901	.0001	.0305	L-.0000
#1	.0368	L-.0194	L.0047	.0906	.0001	.0291	L.0004
#2	.0433	L-.0114	L.0029	.0895	.0001	.0320	L-.0004

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	66.07	L-.0019	L.0026	8.473	.0267	L-.0074	.5617
#1	66.22	L-.0012	L.0026	8.493	.0268	L-.0068	.5626
#2	65.93	L-.0026	L.0026	8.452	.0267	L-.0080	.5608

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5318	.5858	L-.0016	L-.0028	L.3517	L.0019	L-.0036
#1	.5543	.5869	L-.0020	L-.0045	L.4085	L-.0189	L-.0043
#2	.5092	.5847	L-.0012	L-.0011	L.2949	L.0227	L-.0028

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	290.0	L.0044	L-.0019	.0572	L-2.198	.2066	L.0007
#1	290.8	L.0017	L-.0014	.0578	L-2.237	.2072	L.0005
#2	289.3	L.0071	L-.0023	.0565	L-2.159	.2060	L.0008

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	L-.0274	L-.0050	.0672
#1	L-.0308	L-.0059	.0674
#2	L-.0239	L-.0041	.0671

Method: 20064 Sample Name: CCV2 Operator: MMR
Run Time: 11/20/06 09:51:47
Comment: ICP3-76-D 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.197	5.296	2.090	.5153	.5258	5.259	.5478
#1	5.209	5.291	2.075	.5160	.5260	5.265	Q.5505
#2	5.185	5.301	2.105	.5146	.5256	5.253	.5450

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.302	5.334	.5277	.5021	5.285	5.310	5.197
#1	5.299	5.329	.5279	.5036	5.284	5.308	5.194
#2	5.304	5.338	.5274	.5006	5.287	5.312	5.199

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	5.157	.5277	.5299	5.429	25.82	2.051	.5235
#1	5.159	.5278	.5259	5.428	26.01	2.068	.5268
#2	5.154	.5277	.5338	5.430	25.62	2.035	.5203

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	26.34	Q5.589	.5192	2.623	27.00	5.272	.5278
#1	26.42	Q5.593	.5181	2.620	27.04	5.278	.5288
#2	26.27	Q5.585	.5202	2.626	26.97	5.266	.5269

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	5.216	2.611	.5224
#1	5.216	2.614	.5228
#2	5.216	2.607	.5220

Analysis Report QC Standard 11/20/06 09:55:39 AM

Method: 20064 Sample Name: CCB2 Operator: MMR
Run Time: 11/20/06 09:53:53
Comment: 71529
Mode: CONC Corr. Factor: 1

Elem	Al3082	Sb2068	As1936	Ba4934	Be3130	B_2496	Cd2288
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0025	-.0134	.0080	-.0001	.0001	.0095	-.0014
#1	.0000	-.0274	.0040	-.0001	.0001	.0087	-.0005
#2	.0049	.0005	.0120	-.0001	.0000	.0102	-.0023

Elem	Ca3179	Cr2677	Co2286	Cu3247	Fe2599	Pb2203	Mg2795
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0014	-.0008	.0005	.0000	.0001	-.0037	.0002
#1	-.0003	.0001	.0017	-.0005	.0011	.0000	.0002
#2	-.0025	-.0017	-.0007	.0005	-.0009	-.0074	.0002

Elem	Mg3832	Mn2576	Mo2020	Ni2316	K_7665	Se1960	Ag3280
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0135	-.0001	-.0008	.0040	-.0000	.0057	-.0010
#1	.0766	-.0002	.0004	.0034	-.1202	.0094	-.0022
#2	-.0496	-.0000	-.0020	.0045	.1202	.0019	.0002

Elem	Na5889	Sn1899	V_2924	Zn2138	P_2149	Si2881	Ti3349
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0417	.0038	-.0005	.0003	-.0191	-.0028	.0003
#1	.0392	.0025	.0011	.0003	-.0038	-.0050	.0005
#2	.0442	.0050	-.0021	.0003	-.0344	-.0006	.0000

Elem	Tl1908	Li6707	Sr4215
Units	ppm	ppm	ppm
Avge	-.0243	.0018	-.0001
#1	-.0035	.0012	-.0003
#2	-.0451	.0023	.0000

Polychlorinated Biphenyls
PCB's
EPA Method 8082

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Summary Package

Sample and QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882

Cover Page - Organic Analysis Data Package
Polychlorinated Biphenyls (PCBs)

Sample Name	Lab Code	Date Collected	Date Received
SCSD26	K0608882-017	10/04/2006	10/13/2006
SCSD28	K0608882-018	10/06/2006	10/13/2006
SCSD27 10/4	K0608882-031	10/04/2006	10/13/2006
SCSD26MS	KWG0617499-1	10/04/2006	10/13/2006
SCSD26DMS	KWG0617499-2	10/04/2006	10/13/2006

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 in the case narrative. 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: Lisa Jones

Date: 11/01/06 Title: _____

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Collected: 10/04/2006
Date Received: 10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name: SCSD26
Lab Code: K0608882-017

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	33-153	10/31/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	10/06/2006
Sample Matrix:	Sediment	**Date Received:**	10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD28	**Units:**	mg/Kg
Lab Code:	K0608882-018	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	83	33-153	10/31/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	10/04/2006
Sample Matrix:	Sediment	**Date Received:**	10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD27 10/4	**Units:**	mg/Kg
Lab Code:	K0608882-031	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	33-153	10/31/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	NA
Sample Matrix:	Sediment	**Date Received:**	NA

Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	KWG0617499-4	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.14	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	33-153	10/31/06	Acceptable

Comments:

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SCSD26	K0608882-017	86
SCSD28	K0608882-018	83
SCSD27 10/4	K0608882-031	84
Method Blank	KWG0617499-4	87
SCSD26MS	KWG0617499-1	84
SCSD26DMS	KWG0617499-2	84
Lab Control Sample	KWG0617499-3	80

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 33-153

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Extracted:**	10/17/2006
Sample Matrix:	Sediment	**Date Analyzed:**	10/31/2006

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD26	**Units:**	mg/Kg
Lab Code:	K0608882-017	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0617499

		SCSD26MS KWG0617499-1 Matrix Spike			SCSD26DMS KWG0617499-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	0.876	0.997	88	0.800	0.998	80	26-163	9	50
Aroclor 1260	ND	0.945	0.997	95	0.877	0.998	88	24-171	7	50

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Extracted:**	10/17/2006
Sample Matrix:	Sediment	**Date Analyzed:**	10/31/2006

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method:	EPA 3540C	**Units:**	mg/Kg
Analysis Method:	8082	**Basis:**	Dry
		Level:	Low
		Extraction Lot:	KWG0617499

	Lab Control Sample KWG0617499-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	0.804	1.00	80	39-145
Aroclor 1260	0.861	1.00	86	51-146

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Extracted:**	10/17/2006
Sample Matrix:	Sediment	**Date Analyzed:**	10/31/2006
		Time Analyzed:	06:07

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\103006.B\1030F029.D
Lab Code:	KWG0617499-4	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0617499

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0617499-3	J:\GC09\DATA\103006.B\1030F030.D	10/31/06	06:35
SCSD26	K0608882-017	J:\GC09\DATA\103006.B\1030F031.D	10/31/06	07:02
SCSD26MS	KWG0617499-1	J:\GC09\DATA\103006.B\1030F032.D	10/31/06	07:29
SCSD26DMS	KWG0617499-2	J:\GC09\DATA\103006.B\1030F033.D	10/31/06	07:57
SCSD28	K0608882-018	J:\GC09\DATA\103006.B\1030F034.D	10/31/06	08:24
SCSD27 10/4	K0608882-031	J:\GC09\DATA\103006.B\1030F035.D	10/31/06	08:51

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Extracted:**	10/17/2006
Sample Matrix:	Sediment	**Date Analyzed:**	10/31/2006
		Time Analyzed:	06:35

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\103006.B\1030F030.D
Lab Code:	KWG0617499-3	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0617499

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0617499-4	J:\GC09\DATA\103006.B\1030F029.D	10/31/06	06:07
SCSD26	K0608882-017	J:\GC09\DATA\103006.B\1030F031.D	10/31/06	07:02
SCSD26MS	KWG0617499-1	J:\GC09\DATA\103006.B\1030F032.D	10/31/06	07:29
SCSD26DMS	KWG0617499-2	J:\GC09\DATA\103006.B\1030F033.D	10/31/06	07:57
SCSD28	K0608882-018	J:\GC09\DATA\103006.B\1030F034.D	10/31/06	08:24
SCSD27 10/4	K0608882-031	J:\GC09\DATA\103006.B\1030F035.D	10/31/06	08:51

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\102706.B\1026F003.D	H	\\Cash3\Acqudata\GC09\data\102706.B\1026F015.D
B	\\Cash3\Acqudata\GC09\data\102706.B\1026F004.D	I	\\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
C	\\Cash3\Acqudata\GC09\data\102706.B\1026F005.D	J	\\Cash3\Acqudata\GC09\data\102706.B\1026F023.D
D	\\Cash3\Acqudata\GC09\data\102706.B\1026F006.D	K	\\Cash3\Acqudata\GC09\data\102706.B\1026F027.D
E	\\Cash3\Acqudata\GC09\data\102706.B\1026F007.D	L	\\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
F	\\Cash3\Acqudata\GC09\data\102706.B\1026F008.D	M	\\Cash3\Acqudata\GC09\data\102706.B\1026F035.D
G	\\Cash3\Acqudata\GC09\data\102706.B\1026F011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	6400	B	5.0	6410	C	50	6240	D	100	5810	E	200	5420
	F	500	4700												
Aroclor 1016 {1}	A	25	121	B	50	118	C	500	121	D	1000	114	E	2000	110
	F	5000	94.6												
Aroclor 1016 {2}	A	25	624	B	50	604	C	500	550	D	1000	502	E	2000	461
	F	5000	392												
Aroclor 1016 {3}	A	25	256	B	50	244	C	500	249	D	1000	225	E	2000	209
	F	5000	179												
Aroclor 1016 {4}	A	25	233	B	50	227	C	500	204	D	1000	186	E	2000	178
	F	5000	152												
Aroclor 1016 {5}	A	25	193	B	50	184	C	500	171	D	1000	160	E	2000	147
	F	5000	126												
Aroclor 1260 {1}	A	25	306	B	50	286	C	500	263	D	1000	240	E	2000	222
	F	5000	193												
Aroclor 1260 {2}	A	25	464	B	50	457	C	500	404	D	1000	365	E	2000	336
	F	5000	292												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}	A	25	226	B	50	218	C	500	214	D	1000	201	E	2000	188
	F	5000	167												
Aroclor 1260 {4}	A	25	422	B	50	407	C	500	404	D	1000	390	E	2000	360
	F	5000	325												
Aroclor 1260 {5}	A	25	492	B	50	523	C	500	546	D	1000	516	E	2000	497
	F	5000	450												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	11.5		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	8.8		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	16.9		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	12.8		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.7		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	15.1		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	16.6		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	17.7		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	10.9		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	9.4		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	6.5		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006
Date Analyzed: 10/28/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5744
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F038.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F043.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F044.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F045.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	940	NA	NA	NA	6	± 15 %	NA
Aroclor 1016 {1}	1000	970	113	110	-3	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	910	522	475	-9	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	950	227	217	-5	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	910	197	178	-9	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	930	163	152	-7	NA	± 100 %	AverageRF
Aroclor 1260	1000	920	NA	NA	NA	8	± 15 %	NA
Aroclor 1260 {1}	1000	850	252	215	-15	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	900	386	347	-10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	930	202	188	-7	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	790	385	306	-21	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	504	555	10	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound **‡ CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R003.D	H	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R015.D
B	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R004.D	I	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R019.D
C	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R005.D	J	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R023.D
D	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R006.D	K	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R027.D
E	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R007.D	L	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R031.D
F	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R008.D	M	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R035.D
G	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	7910	B	5.0	7830	C	50	6840	D	100	6250	E	200	5730
	F	500	4860												
Aroclor 1016 {1}	A	25	211	B	50	212	C	500	192	D	1000	179	E	2000	161
	F	5000	128												
Aroclor 1016 {2}	A	25	128	B	50	128	C	500	135	D	1000	127	E	2000	113
	F	5000	99.4												
Aroclor 1016 {3}	A	25	463	B	50	435	C	500	374	D	1000	366	E	2000	313
	F	5000	274												
Aroclor 1016 {4}	A	25	180	B	50	161	C	500	162	D	1000	151	E	2000	135
	F	5000	114												
Aroclor 1016 {5}	A	25	218	B	50	195	C	500	181	D	1000	167	E	2000	153
	F	5000	131												
Aroclor 1260 {1}	A	25	371	B	50	370	C	500	330	D	1000	299	E	2000	270
	F	5000	232												
Aroclor 1260 {2}	A	25	416	B	50	407	C	500	363	D	1000	330	E	2000	298
	F	5000	257												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}	A	25	443	B	50	443	C	500	455	D	1000	427	E	2000	400
	F	5000	357												
Aroclor 1260 {4}	A	25	225	B	50	224	C	500	250	D	1000	230	E	2000	213
	F	5000	185												
Aroclor 1260 {5}	A	25	298	B	50	311	C	500	301	D	1000	284	E	2000	269
	F	5000	242												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	18.2		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	17.9		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	10.7		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.2		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.4		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	17.6		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	17.8		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	18.0		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	8.7		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	9.6		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	8.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006
Date Analyzed: 10/28/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5744
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R037.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R038.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R039.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R040.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R041.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R042.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R043.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R044.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R045.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	920	NA	NA	NA	8	± 15 %	NA
Aroclor 1016 {1}	1000	920	180	166	-8	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	122	122	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	900	371	334	-10	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	900	150	136	-10	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	900	174	157	-10	NA	± 100 %	AverageRF
Aroclor 1260	1000	970	NA	NA	NA	3	± 15 %	NA
Aroclor 1260 {1}	1000	890	312	278	-11	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	900	345	311	-10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	870	421	366	-13	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	221	254	15	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	284	292	3	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F028.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5830	6140	5	NA	± 15 %	AverageRF
Aroclor 1016	1000	980	NA	NA	NA	-2	± 15 %	NA
Aroclor 1016 {1}	1000	1000	113	114	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	820	522	426	-18	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1200	227	267	17	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	197	200	2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	890	163	145	-11	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 15 %	NA
Aroclor 1260 {1}	1000	940	252	237	-6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	386	410	6	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	202	230	14	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	700	385	269	-30	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	504	549	9	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Analyzed:**	10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type:	External Standard	**Calibration Date:**	10/27/2006
Analysis Method:	8082	**Calibration ID:**	CAL5744
CCV Standard ID:	PCB4-80E	**Analysis Lot:**	KWG0618420
		Units:	ng/mL
File ID:	\\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R028.D	**Column ID:**	DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	100	6570	6550	0	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 15 %	NA
Aroclor 1016 {1}	1000	1000	180	186	3	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	122	131	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	371	348	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	150	156	4	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	174	174	0	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	1000	312	312	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	970	345	336	-3	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	421	434	3	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	221	249	13	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	284	298	5	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F038.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5830	6130	5	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	1	± 15 %	NA
Aroclor 1016 {1}	1000	1000	113	118	4	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	860	522	451	-14	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1200	227	272	20	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	197	208	6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	900	163	148	-10	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	0	± 15 %	NA
Aroclor 1260 {1}	1000	950	252	238	-5	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	386	404	5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	202	225	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	810	385	312	-19	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	504	547	8	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R038.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	6570	6530	-1	NA	± 15 %	AverageRF
Aroclor 1016	1000	990	NA	NA	NA	-1	± 15 %	NA
Aroclor 1016 {1}	1000	1000	180	184	2	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	122	125	3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	371	349	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	150	153	2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	174	167	-4	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	1000	312	311	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	980	345	337	-2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	421	442	5	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	221	245	11	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	284	301	6	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882

Analysis Run Log
Polychlorinated Biphenyls (PCBs)

Analysis Method: 8082

Analysis Lot: KWG0618420
Instrument ID: GC09.i
Column: DB-35MS

File ID	Sample Name	Lab Code	Date Analysis Started	Start Time	Q	Date Analysis Finished	Finish Time
1030F002.D	Instrument Blank	KWG0618420-1	10/30/2006	17:23		10/30/2006	17:23
1030F003.D	Continuing Calibration Verification	KWG0618420-2	10/30/2006	17:50		10/30/2006	17:50
1030F004.D	ZZZZZZ	ZZZZZZ	10/30/2006	18:18		10/30/2006	18:18
1030F005.D	ZZZZZZ	ZZZZZZ	10/30/2006	18:45		10/30/2006	18:45
1030F006.D	ZZZZZZ	ZZZZZZ	10/30/2006	19:12		10/30/2006	19:12
1030F007.D	ZZZZZZ	ZZZZZZ	10/30/2006	19:40		10/30/2006	19:40
1030F008.D	ZZZZZZ	ZZZZZZ	10/30/2006	20:07		10/30/2006	20:07
1030F009.D	ZZZZZZ	ZZZZZZ	10/30/2006	20:34		10/30/2006	20:34
1030F010.D	ZZZZZZ	ZZZZZZ	10/30/2006	21:02		10/30/2006	21:02
1030F011.D	ZZZZZZ	ZZZZZZ	10/30/2006	21:29		10/30/2006	21:29
1030F012.D	ZZZZZZ	ZZZZZZ	10/30/2006	21:56		10/30/2006	21:56
1030F014.D	Instrument Blank	KWG0618420-3	10/30/2006	23:04		10/30/2006	23:04
1030F015.D	Continuing Calibration Verification	KWG0618420-4	10/30/2006	23:31		10/30/2006	23:31
1030F016.D	ZZZZZZ	ZZZZZZ	10/30/2006	23:59		10/30/2006	23:59
1030F017.D	ZZZZZZ	ZZZZZZ	10/31/2006	00:26		10/31/2006	00:26
1030F018.D	ZZZZZZ	ZZZZZZ	10/31/2006	00:53		10/31/2006	00:53
1030F019.D	ZZZZZZ	ZZZZZZ	10/31/2006	01:21		10/31/2006	01:21
1030F020.D	ZZZZZZ	ZZZZZZ	10/31/2006	01:48		10/31/2006	01:48
1030F021.D	ZZZZZZ	ZZZZZZ	10/31/2006	02:16		10/31/2006	02:16
1030F022.D	ZZZZZZ	ZZZZZZ	10/31/2006	02:43		10/31/2006	02:43
1030F023.D	ZZZZZZ	ZZZZZZ	10/31/2006	03:10		10/31/2006	03:10
1030F024.D	ZZZZZZ	ZZZZZZ	10/31/2006	03:38		10/31/2006	03:38
1030F025.D	ZZZZZZ	ZZZZZZ	10/31/2006	04:05		10/31/2006	04:05
1030F027.D	Instrument Blank	KWG0618420-5	10/31/2006	05:13		10/31/2006	05:13
1030F028.D	Continuing Calibration Verification	KWG0618420-6	10/31/2006	05:40		10/31/2006	05:40
1030F029.D	Method Blank	KWG0617499-4	10/31/2006	06:07		10/31/2006	06:07
1030F030.D	Lab Control Sample	KWG0617499-3	10/31/2006	06:35		10/31/2006	06:35
1030F031.D	SCSD26	K0608882-017	10/31/2006	07:02		10/31/2006	07:02
1030F032.D	SCSD26MS	KWG0617499-1	10/31/2006	07:29		10/31/2006	07:29
1030F033.D	SCSD26DMS	KWG0617499-2	10/31/2006	07:57		10/31/2006	07:57
1030F034.D	SCSD28	K0608882-018	10/31/2006	08:24		10/31/2006	08:24
1030F035.D	SCSD27 10/4	K0608882-031	10/31/2006	08:51		10/31/2006	08:51
1030F037.D	Instrument Blank	KWG0618420-7	10/31/2006	09:59		10/31/2006	09:59
1030F038.D	Continuing Calibration Verification	KWG0618420-8	10/31/2006	10:26		10/31/2006	10:26

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Extracted: 10/17/2006

Extraction Prep Log
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Extraction Lot: KWG0617499
Level: Low

Sample Name	Lab Code	Date Collected	Date Received	Sample Amount	Final Volume	% Solids	Note
SCSD26	K0608882-017	10/04/06	10/13/06	14.31g	10ml	70.0	
SCSD28	K0608882-018	10/06/06	10/13/06	13.03g	10ml	77.3	
SCSD27 10/4	K0608882-031	10/04/06	10/13/06	13.43g	10ml	74.8	
Method Blank	KWG0617499-4	NA	NA	14.33g	10ml	NA	
SCSD26MS	KWG0617499-1	10/04/06	10/13/06	14.33g	10ml	70.0	
SCSD26DMS	KWG0617499-2	10/04/06	10/13/06	14.31g	10ml	70.0	
Lab Control Sample	KWG0617499-3	NA	NA	10.00g	10ml	NA	

Results flagged with an asterisk (*) indicate the holding time was exceeded for the analysis

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

QC Reports

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882

Surrogate Recovery Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: PERCENT
Level: Low

Sample Name	Lab Code	Sur1
SCSD26	K0608882-017	86
SCSD28	K0608882-018	83
SCSD27 10/4	K0608882-031	84
Method Blank	KWG0617499-4	87
SCSD26MS	KWG0617499-1	84
SCSD26DMS	KWG0617499-2	84
Lab Control Sample	KWG0617499-3	80

Surrogate Recovery Control Limits (%)

Sur1 = Decachlorobiphenyl 33-153

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Extracted: 10/17/2006
Date Analyzed: 10/31/2006

Matrix Spike/Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs)

Sample Name: SCSD26
Lab Code: K0608882-017

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: mg/Kg
Basis: Dry

Level: Low
Extraction Lot: KWG0617499

		SCSD26MS KWG0617499-1 Matrix Spike			SCSD26DMS KWG0617499-2 Duplicate Matrix Spike					
Analyte Name	**Sample Result**	**Result**	**Expected**	**%Rec**	**Result**	**Expected**	**%Rec**	**%Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	0.876	0.997	88	0.800	0.998	80	26-163	9	50
Aroclor 1260	ND	0.945	0.997	95	0.877	0.998	88	24-171	7	50

Results flagged with an asterisk (*) indicate values outside control criteria.
Results flagged with a pound (#) indicate the control criteria is not applicable.
Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Extracted: 10/17/2006
Date Analyzed: 10/31/2006

Lab Control Spike Summary
Polychlorinated Biphenyls (PCBs)

Extraction Method: EPA 3540C
Analysis Method: 8082

Units: mg/Kg
Basis: Dry
Level: Low
Extraction Lot: KWG0617499

	Lab Control Sample KWG0617499-3 Lab Control Spike			
Analyte Name	**Result**	**Expected**	**%Rec**	**%Rec Limits**
Aroclor 1016	0.804	1.00	80	39-145
Aroclor 1260	0.861	1.00	86	51-146

Results flagged with an asterisk (*) indicate values outside control criteria.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Extracted:**	10/17/2006
Sample Matrix:	Sediment	**Date Analyzed:**	10/31/2006
		Time Analyzed:	06:07

Method Blank Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Method Blank	**File ID:**	J:\GC09\DATA\103006.B\1030F029.D
Lab Code:	KWG0617499-4	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0617499

This Method Blank applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Lab Control Sample	KWG0617499-3	J:\GC09\DATA\103006.B\1030F030.D	10/31/06	06:35
SCSD26	K0608882-017	J:\GC09\DATA\103006.B\1030F031.D	10/31/06	07:02
SCSD26MS	KWG0617499-1	J:\GC09\DATA\103006.B\1030F032.D	10/31/06	07:29
SCSD26DMS	KWG0617499-2	J:\GC09\DATA\103006.B\1030F033.D	10/31/06	07:57
SCSD28	K0608882-018	J:\GC09\DATA\103006.B\1030F034.D	10/31/06	08:24
SCSD27 10/4	K0608882-031	J:\GC09\DATA\103006.B\1030F035.D	10/31/06	08:51

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Report

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Extracted:**	10/17/2006
Sample Matrix:	Sediment	**Date Analyzed:**	10/31/2006
		Time Analyzed:	06:35

Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs)

Sample Name:	Lab Control Sample	**File ID:**	J:\GC09\DATA\103006.B\1030F030.D
Lab Code:	KWG0617499-3	**Instrument ID:**	GC09.i
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082	**Extraction Lot:**	KWG0617499

This Lab Control Sample applies to the following analyses:

Sample Name	Lab Code	File ID	Date Analyzed	Time Analyzed
Method Blank	KWG0617499-4	J:\GC09\DATA\103006.B\1030F029.D	10/31/06	06:07
SCSD26	K0608882-017	J:\GC09\DATA\103006.B\1030F031.D	10/31/06	07:02
SCSD26MS	KWG0617499-1	J:\GC09\DATA\103006.B\1030F032.D	10/31/06	07:29
SCSD26DMS	KWG0617499-2	J:\GC09\DATA\103006.B\1030F033.D	10/31/06	07:57
SCSD28	K0608882-018	J:\GC09\DATA\103006.B\1030F034.D	10/31/06	08:24
SCSD27 10/4	K0608882-031	J:\GC09\DATA\103006.B\1030F035.D	10/31/06	08:51

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Raw Data

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	10/04/2006
Sample Matrix:	Sediment	**Date Received:**	10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD26	**Units:**	mg/Kg
Lab Code:	K0608882-017	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	86	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F031.D
Lab ID: K0608882-017
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 10/31/2006 07:02
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 11/03/06

Secondary Review: 11-1-06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R031.D
Lab ID: K0608882-017
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 10/31/2006 07:02
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: hm 11-3-06

Secondary Review: 11-1-06

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	10/04/2006	**Receive Date:**	10/13/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	K0608882
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537649	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ5667
MB Ref:	J:\GC09\DATA\103006.B\1030F029.D	**Method ID:**	MJ657
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\103006.B\1030F031.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R031.D			**Vial:**	24
Acqu Date:	10/31/2006 07:02	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608882-017				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.81	0.00	18.27	502052	541267	86.11	82.39			86OK
				%Recovery =		86OK	82OK	Limits =	33-153	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1016 {1}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1016 {2}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1016 {3}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1016 {4}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1016 {5}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1221 {1}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {2}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {3}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {4}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1232 {1}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {2}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {3}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {4}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1242 {1}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {2}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {3}			0d	0	0.0000	0.0000	0.016U	0.016U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F031.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R031.D			**Vial:**	24
Acqu Date:	10/31/2006 07:02	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	SMPL			Soln Conc. Units:	ng/mL
Lab ID:	K0608882-017				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {5}			0d	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1248 {1}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {2}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {3}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {4}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {5}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1254 {1}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {2}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {3}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {4}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {5}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.016U	0.016U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	14.31 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001
Solids:	70.0 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F031.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F031.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R031.D
Inj Date : 31-OCT-2006 07:02
Sample Info: K0608882-017 | SCSD26
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08882017.H | F=10 D
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.290	4.960	454364	524990	81.2	82.8		100.00(RM)
Decachlorobiphenyl	16.807	18.270	502052	541267	86.1	82.4		100.00(R)
2,2',4,4',5,5'-HBB	19.203	0.000	264	0	0.000	0.000		100.00

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

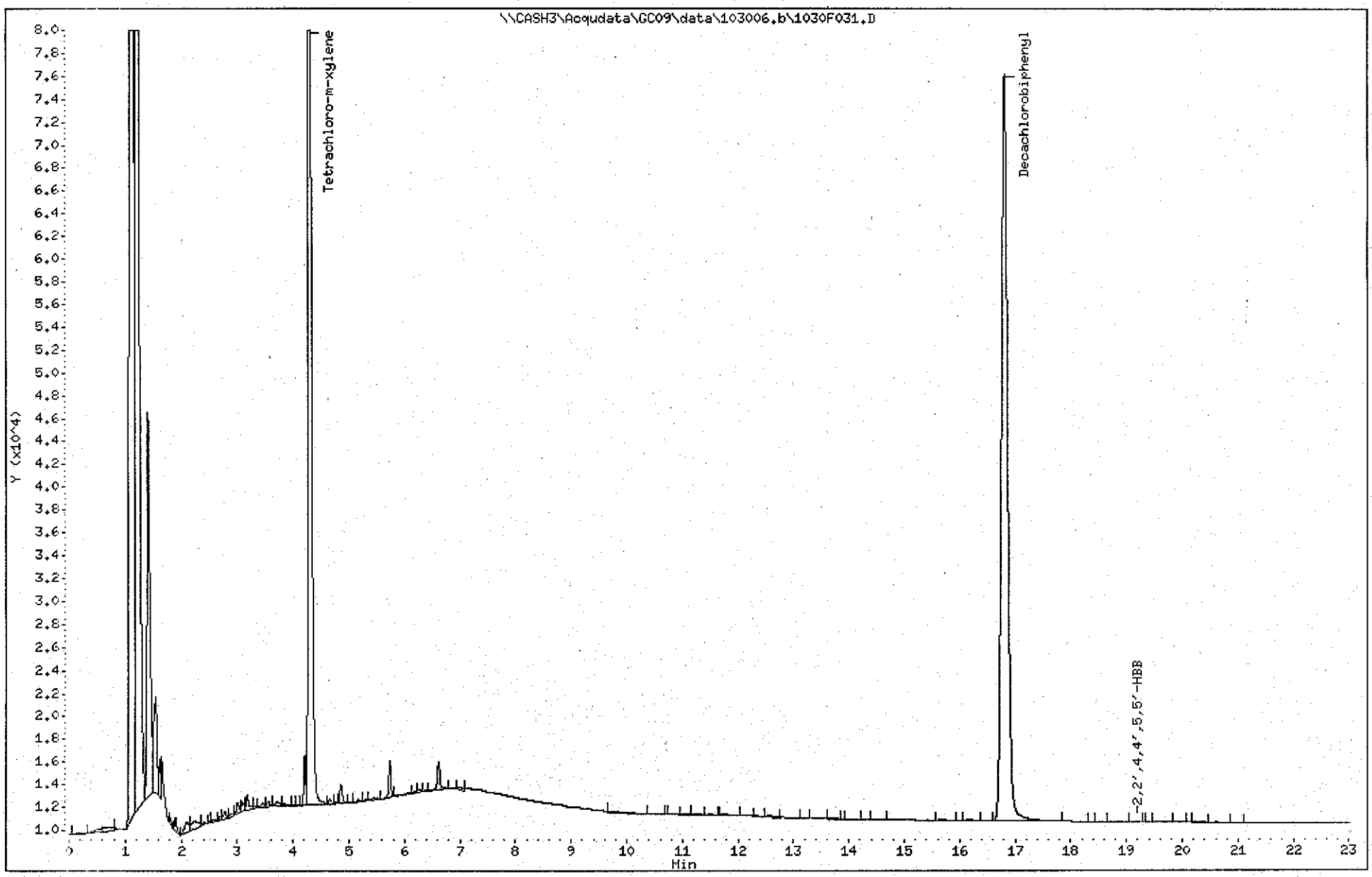
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F031.D
Date : 31-OCT-2006 07:02
Client ID:
Sample Info: K0608882-017 | SCSD26

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



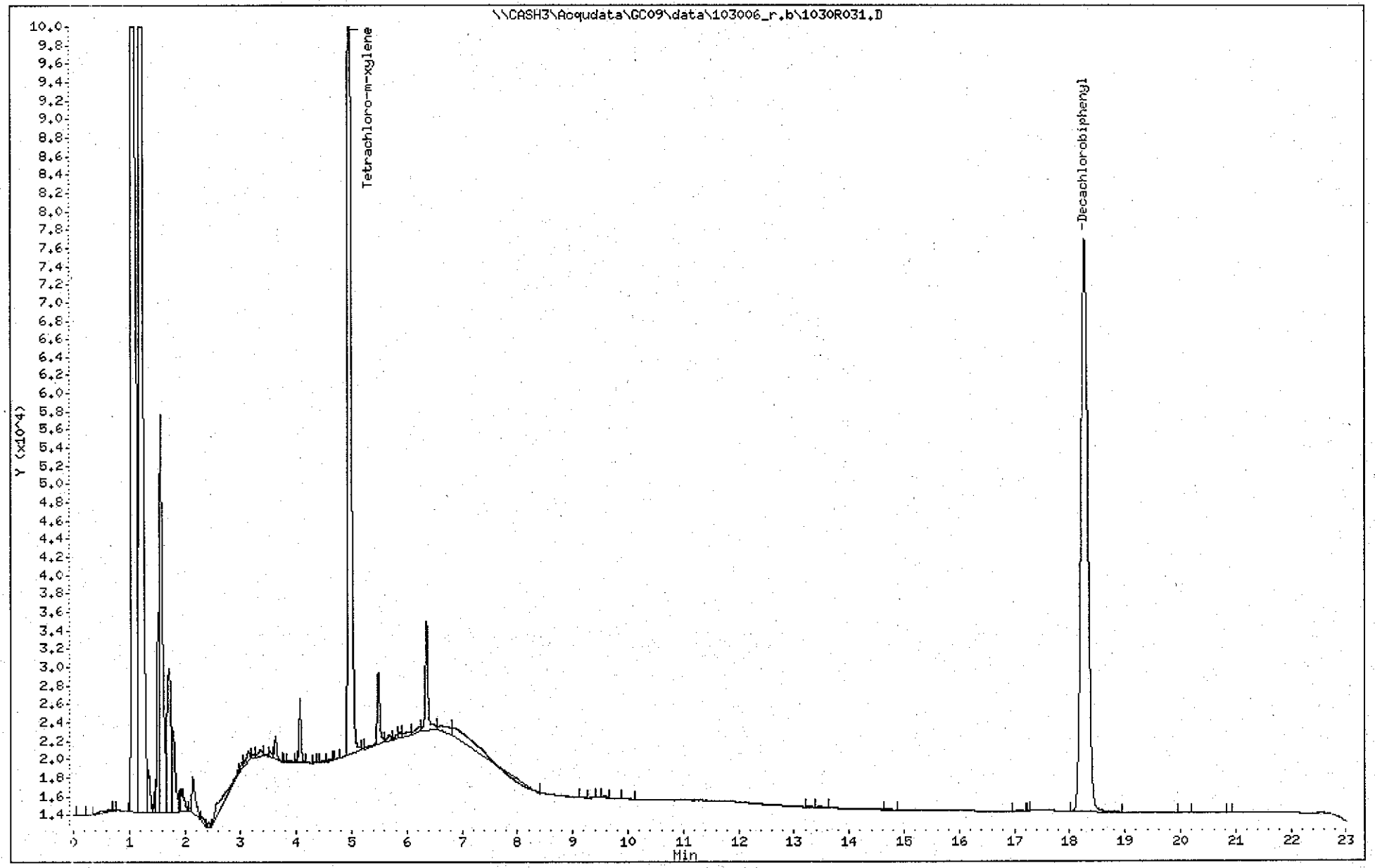
Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R031.D
Date : 31-OCT-2006 07:02
Client ID:
Sample Info: K0608882-017 | SCSD26

Instrument: GC09.i

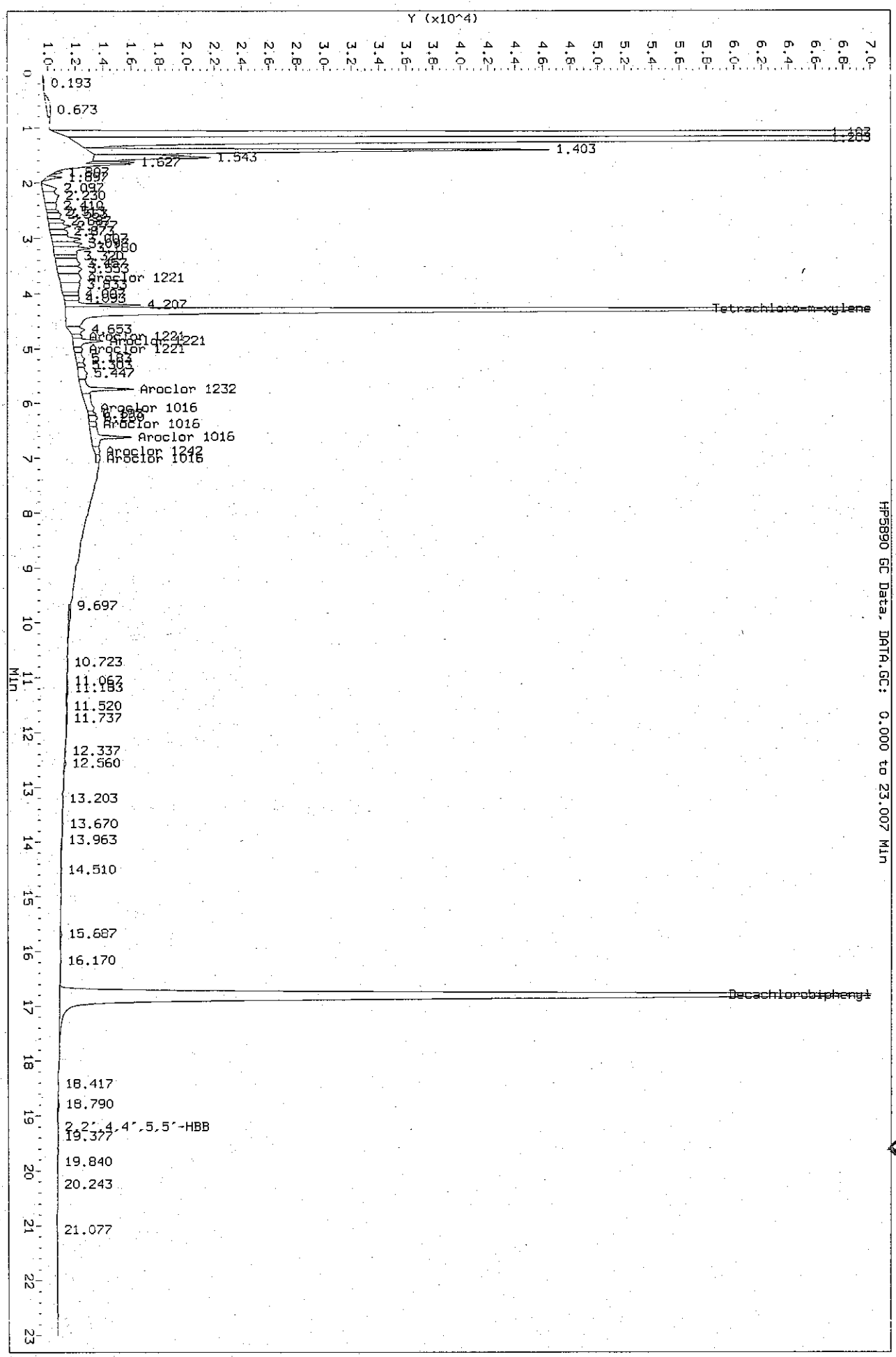
Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



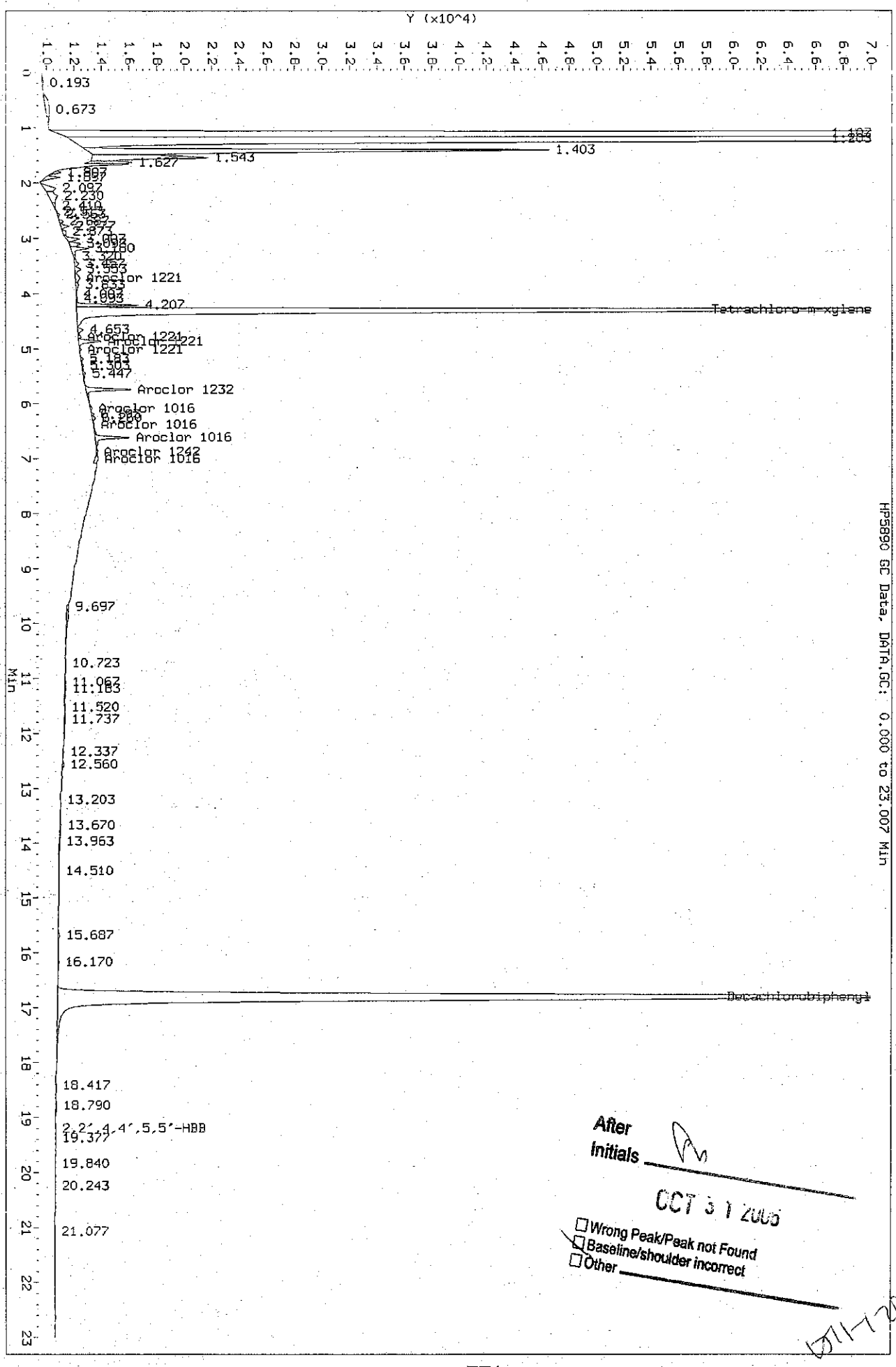
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F031.D
Injection Date: 31-OCT-2006 07:02
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.007 Min

Before
OCT 31 2006

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F031.D
Injection Date: 31-OCT-2006 07:02
Instrument: GC09.1
Client Sample ID:



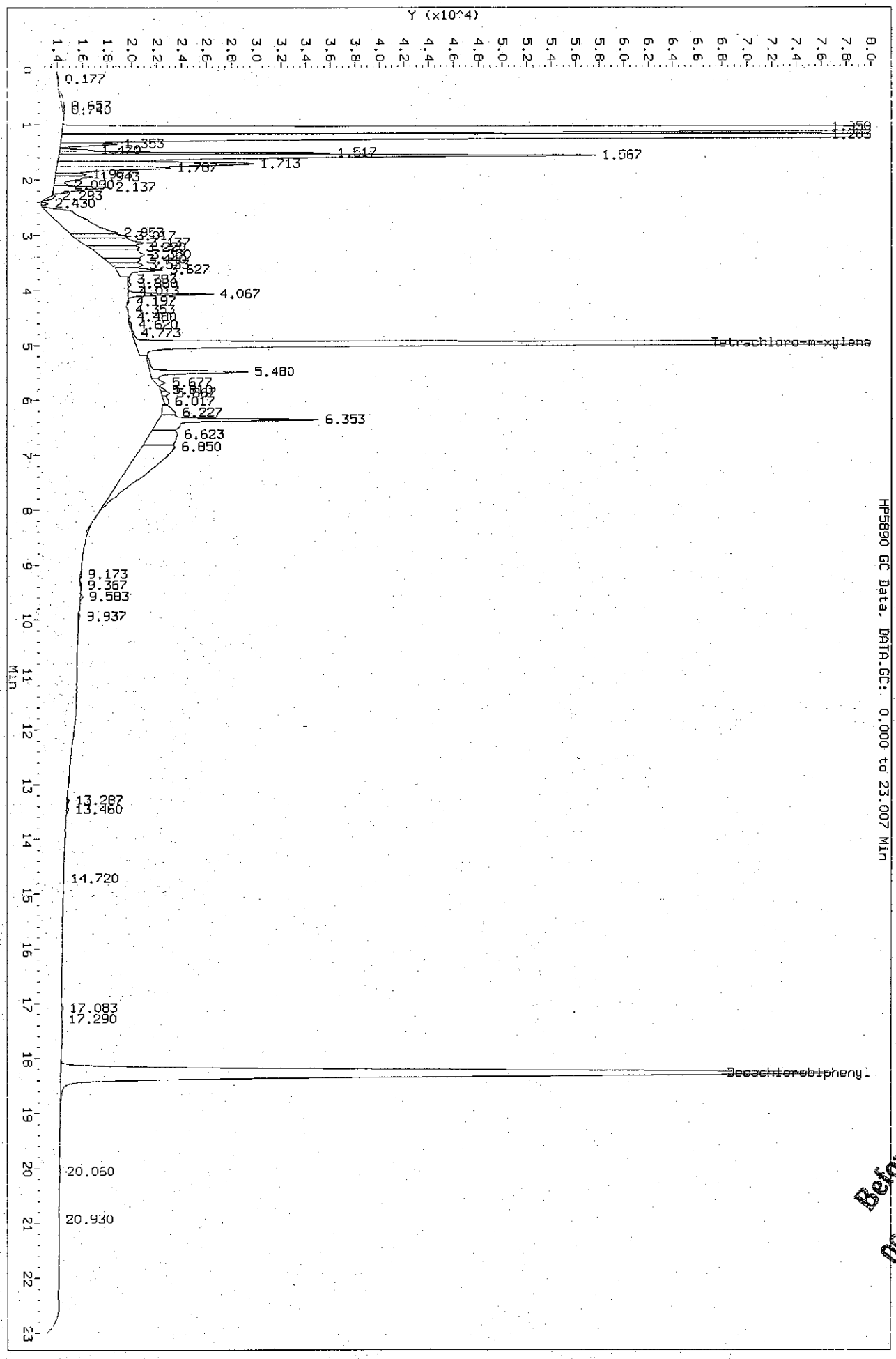
HP5890 GC Data, DATA.GC: 0.000 to 23.007 Min

After
Initials

OCT 31 2006

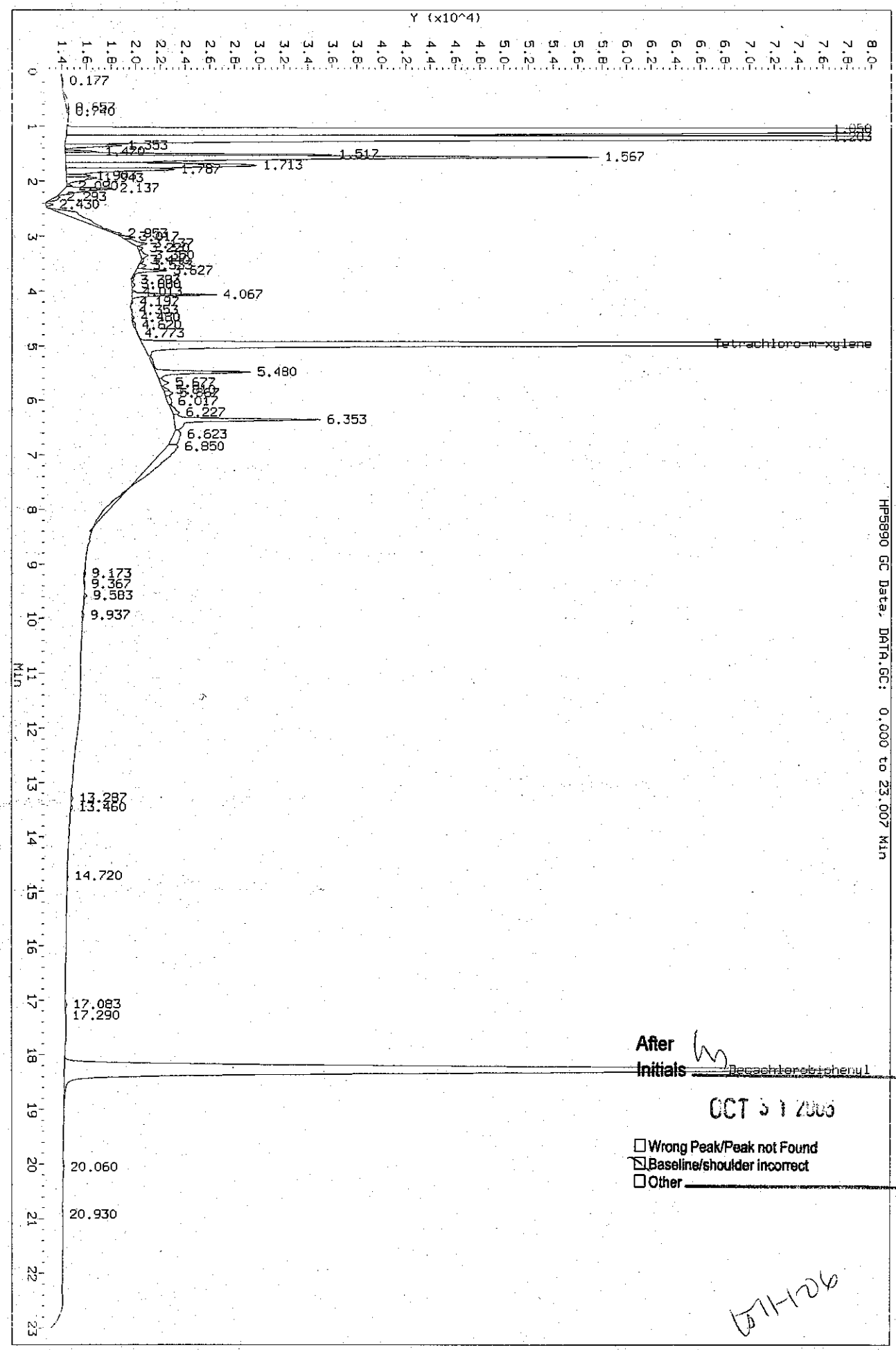
☐ Wrong Peak/Peak not Found
☐ Baseline/shoulder incorrect
☐ Other

11-7-06



Before
OCT 31 2006

Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R031.D
Injection Date: 31-OCT-2006 07:02
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.007 Min

After Initials

OCT 31 2006

☐ Wrong Peak/Peak not Found
☒ Baseline/shoulder incorrect
☐ Other

571-126

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	10/06/2006
Sample Matrix:	Sediment	**Date Received:**	10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD28	**Units:**	mg/Kg
Lab Code:	K0608882-018	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	83	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F034.D
Lab ID: K0608882-018
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 10/31/2006 08:24
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: M 103106

Secondary Review: 11-1-06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R034.D
Lab ID: K0608882-018
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 10/31/2006 08:24
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: [illegible]

Secondary Review: [illegible]

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	10/06/2006	**Receive Date:**	10/13/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	K0608882
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537650	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ5667
MB Ref:	J:\GC09\DATA\103006.B\1030F029.D	**Method ID:**	MJ657
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\103006.B\1030F034.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R034.D			**Vial:**	27
Acqu Date:	10/31/2006 08:24	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608882-018				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.80 -0.01	18.26 -0.01	481350	518866	82.56	78.98			83OK
				%Recovery =	83OK	79OK	Limits =	33-153	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1232 {1}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232 {2}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232 {3}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232 {4}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1242 {1}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242 {2}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242 {3}			0d	0	0.0000	0.0000	0.015U	0.015U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F034.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R034.D			**Vial:**	27
Acqu Date:	10/31/2006 08:24	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	SMPL			Soln Conc. Units:	ng/mL
Lab ID:	K0608882-018				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242 {5}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1248 {1}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {2}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {3}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {4}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {5}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1254 {1}			0	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {2}			0	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {3}			0	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {4}			0	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {5}			0	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1260 {1}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {2}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {3}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {4}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {5}			0d	0	0.0000	0.0000	0.015U	0.015U	

The -/+ after Retention Time symbolize the direction of the RT shifl

Prep Amount:	13.03 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001
Solids:	77.3 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte uot reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F034.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F034.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R034.D
Inj Date : 31-OCT-2006 08:24
Sample Info: K0608882-018 | SCSD28
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08882018.H | F=10 D
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.957	402152	472816	71.8	74.6		100.00(R)
Decachlorobiphenyl	16.800	18.263	481350	518866	82.6	79.0		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

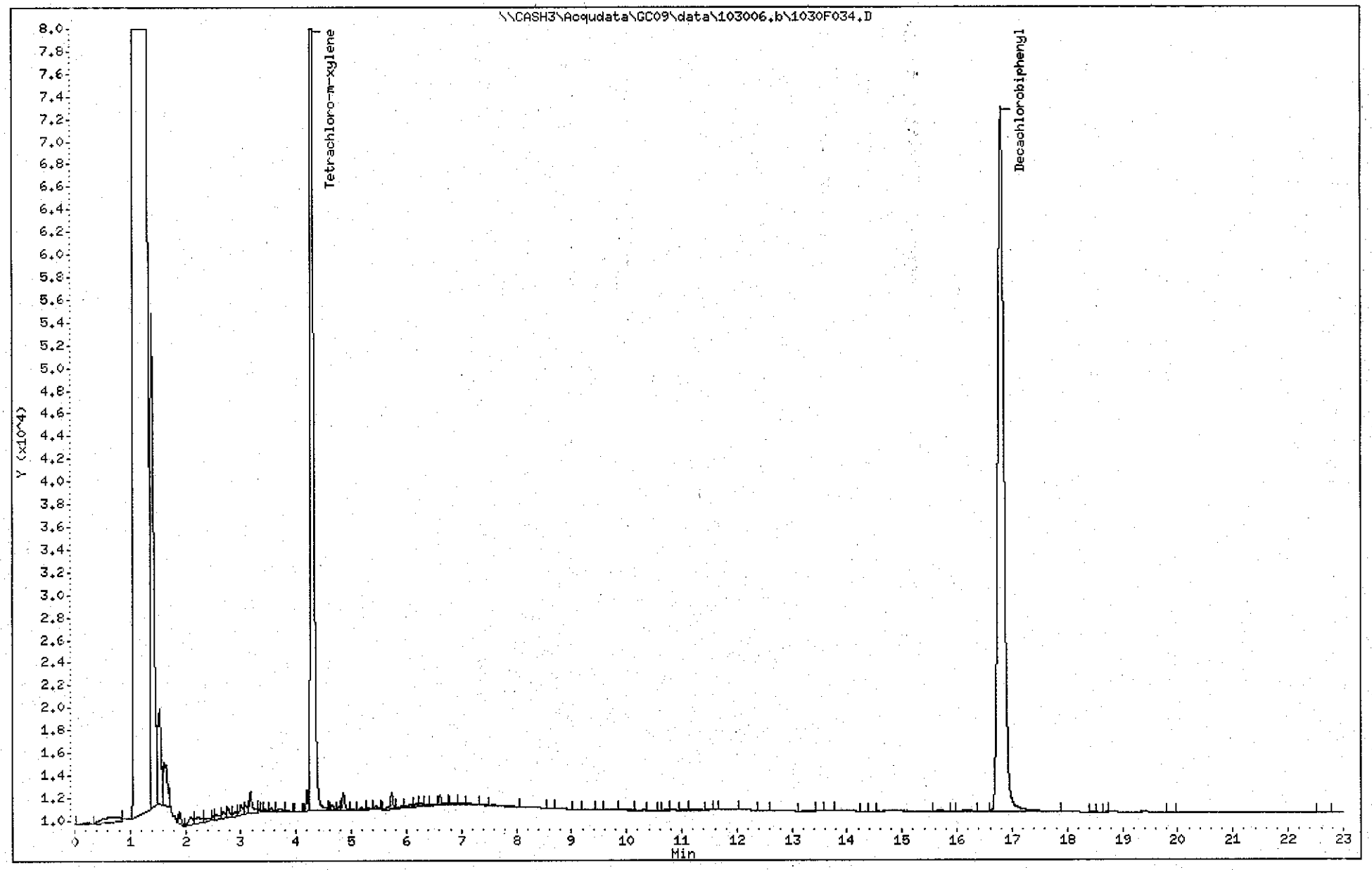
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F034.D
Date : 31-OCT-2006 08:24
Client ID:
Sample Info: K0608882-018 | SCSD28

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



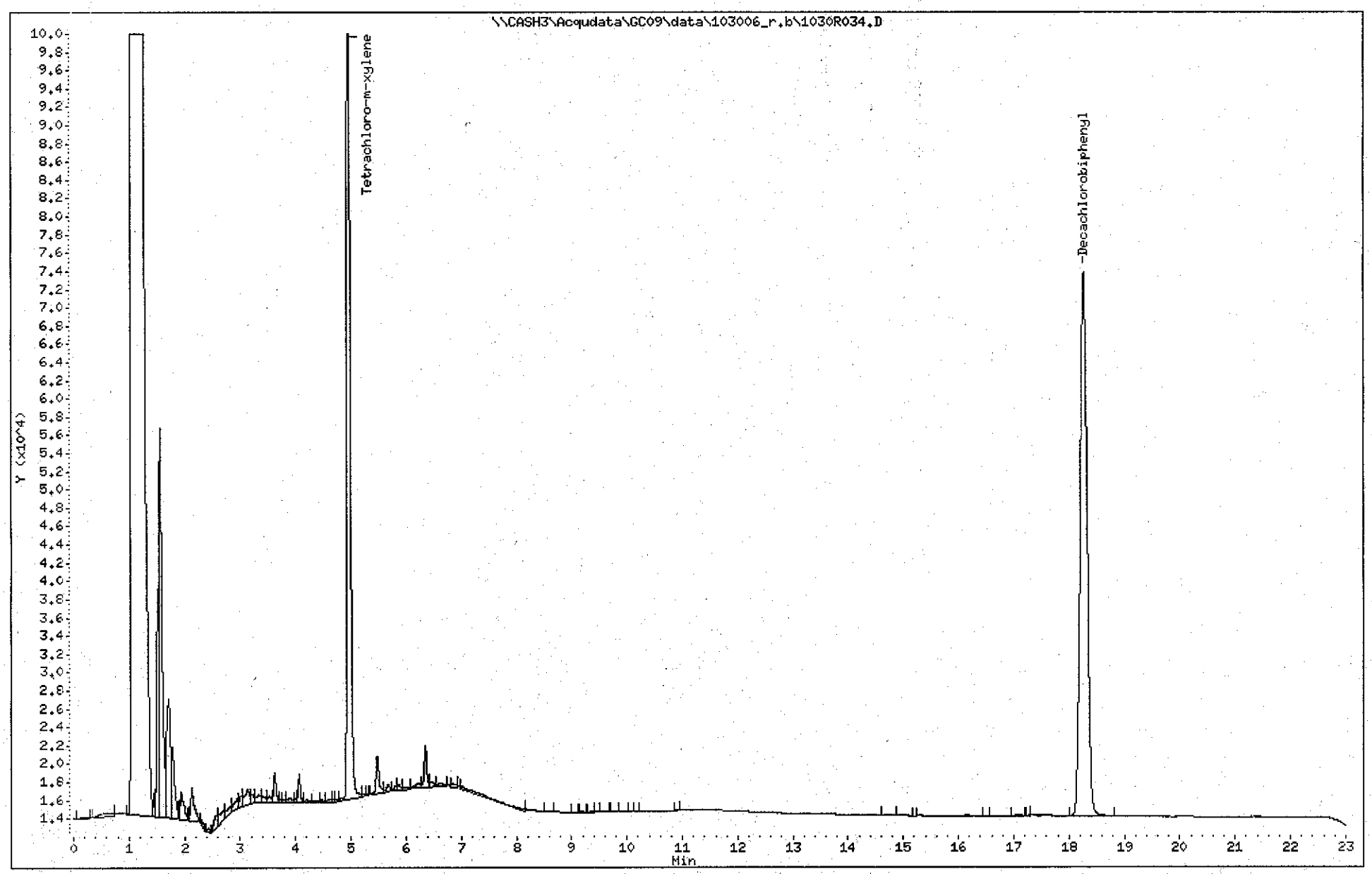
Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R034.D
Date : 31-OCT-2006 08:24
Client ID:
Sample Info: K0608882-018 | SCSD28

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



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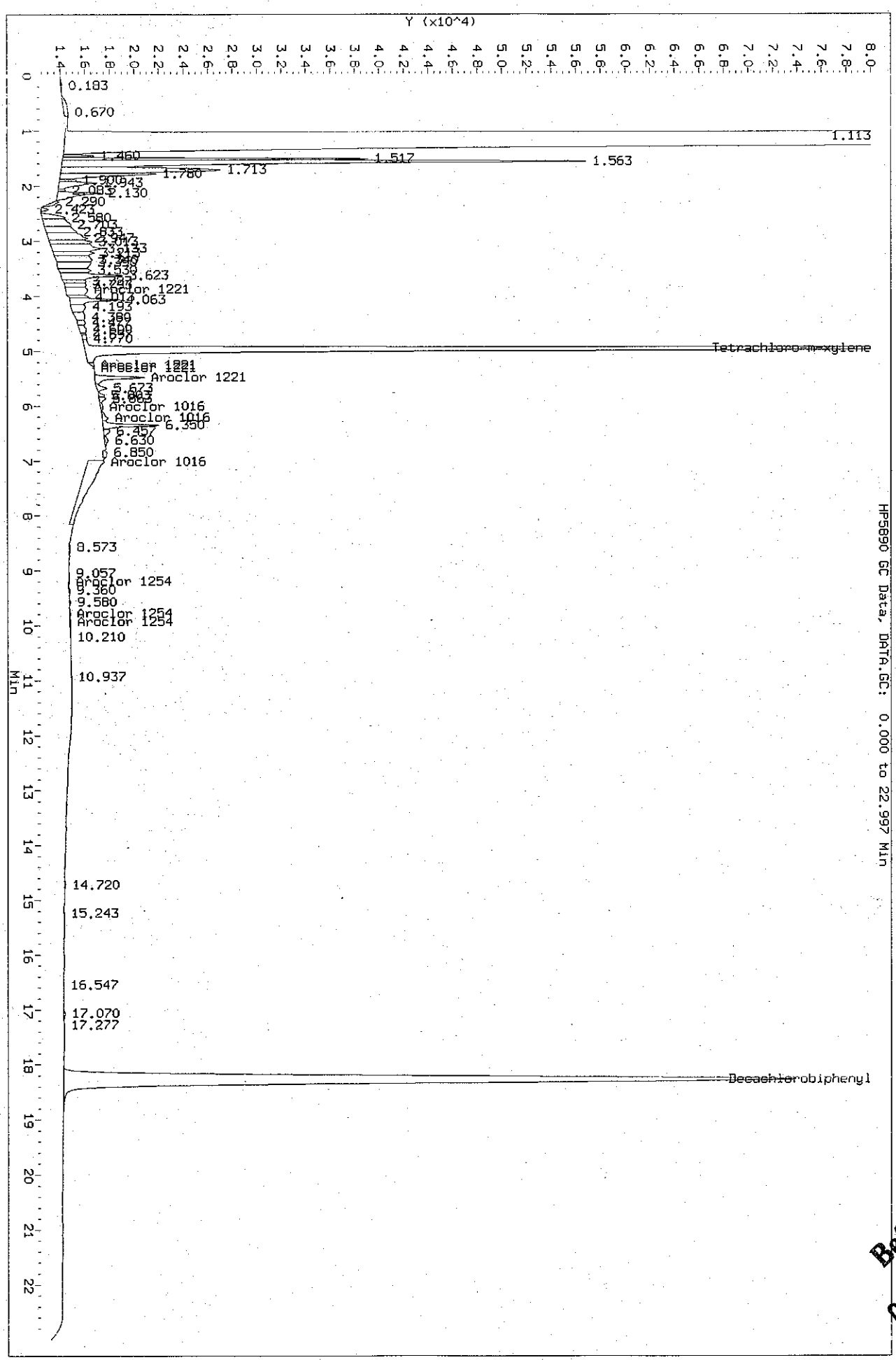
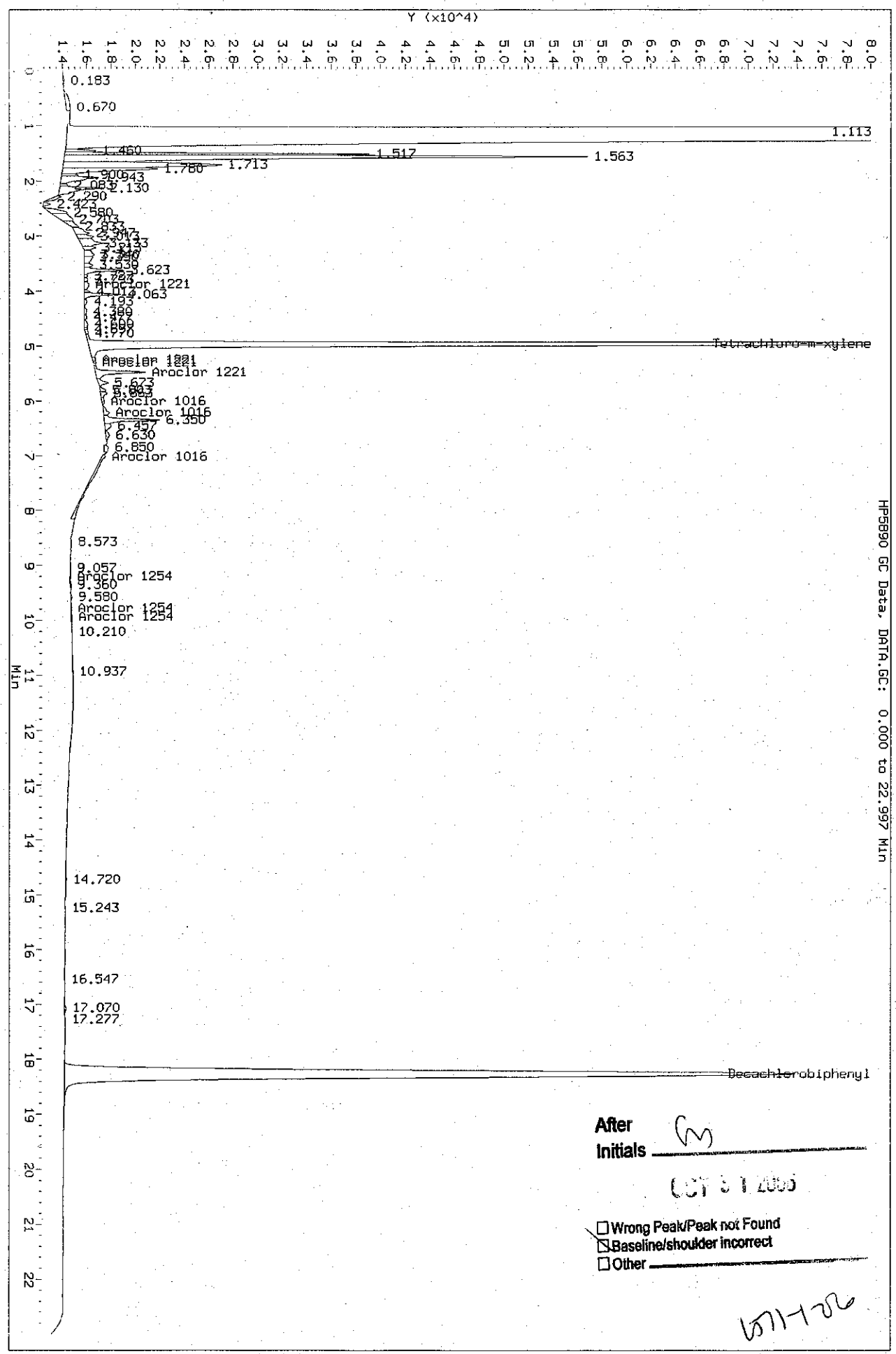
Injection Date: 31-OCT-2006 08:24
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Before
OCT 31 2006

Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R034.D
Injection Date: 31-OCT-2006 08:24
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

After
Initials

OCT 31 2006

☐ Wrong Peak/Peak not Found
☒ Baseline/shoulder incorrect
☐ Other

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	10/04/2006
Sample Matrix:	Sediment	**Date Received:**	10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD27 10/4	**Units:**	mg/Kg
Lab Code:	K0608882-031	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.10	0.015	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F035.D
Lab ID: K0608882-031
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 10/31/2006 08:51
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: LM 103106

Secondary Review: 11-1-06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R035.D
Lab ID: K0608882-031
RunType: SMPL
Matrix: SEDIMENT

Date Acquired: 10/31/2006 08:51
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
Preparation Holding Time	NA	NA	NA	x	
Pre-Preparation Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Method Blank	NA	NA	NA	x	
MB Surrogate Recovery	NA	NA	NA	x	
Lab Control Spike	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: Gm 10/31/06

Secondary Review: 11/1-1-06

Quantitation Report

Bottle ID:		**Tier:**	V	**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**	10/04/2006	**Receive Date:**	10/13/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	K0608882
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537651	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:	Polychlorinated Biphenyls (PCBs)	**Report List ID:**	LJ5667
MB Ref:	J:\GC09\DATA\103006.B\1030F029.D	**Method ID:**	MJ657
		Quant based on Report List	

Data File #1:	J:\GC09\DATA\103006.B\1030F035.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R035.D			**Vial:**	28
Acqu Date:	10/31/2006 08:51	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	SMPL			**Soln Conc. Units:**	ng/mL
Lab ID:	K0608882-031				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Decachlorobiphenyl	16.80 -0.01	18.26 -0.01	487166	522743	83.56	79.57			84OK
			%Recovery =		84OK	80OK	Limits =	33-153	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1016 {1}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {2}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {3}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {4}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1016 {5}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1232 {1}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232 {2}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232 {3}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1232 {4}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1242 {1}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242 {2}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242 {3}			0d	0	0.0000	0.0000	0.015U	0.015U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F035.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R035.D			**Vial:**	28
Acqu Date:	10/31/2006 08:51	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	SMPL			Soln Conc. Units:	ng/mL
Lab ID:	K0608882-031				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1242 {4}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1242 {5}			0d	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1248 {1}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {2}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {3}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {4}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1248 {5}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260			0	0	0.0000	0.0000	0.015U	0.015U	0.015U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.015U	0.015U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.015U	0.015U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	13.43 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001
Solids:	74.8 %		

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F035.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F035.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R035.D
Inj Date : 31-OCT-2006 08:51
Sample Info: K0608882-031 | SCSD27 10/4
Misc Info : KELSO\SEMIVOA GC\8082-PCB\08882031.H | F=10 D
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.957	399888	458559	71.4	72.3		100.00(RM)
Decachlorobiphenyl	16.803	18.263	487166	522743	83.6	79.6		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

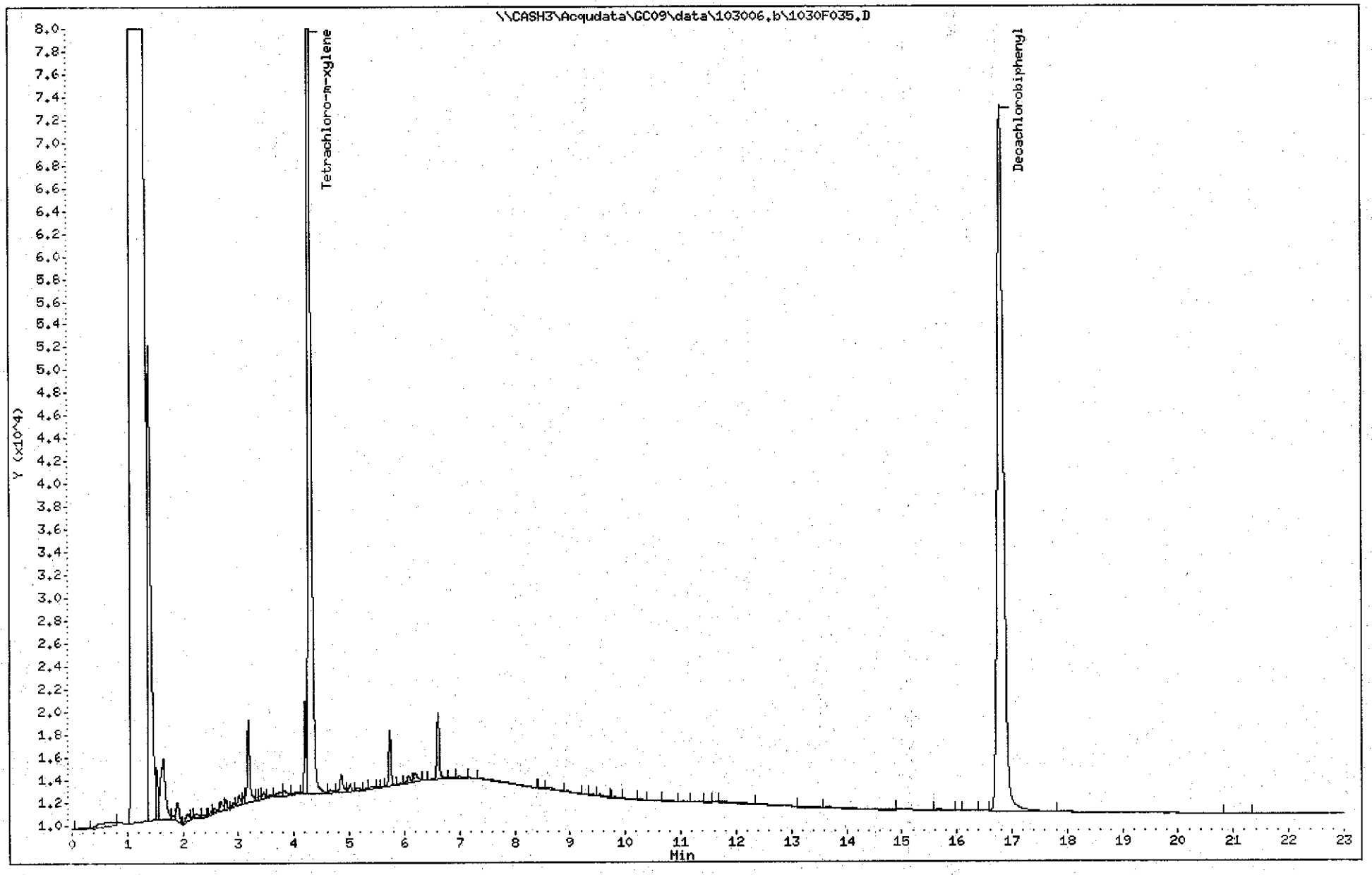
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F035.D
Date : 31-OCT-2006 08:51
Client ID:
Sample Info: K0608882-031 | SCSD27 10/4

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



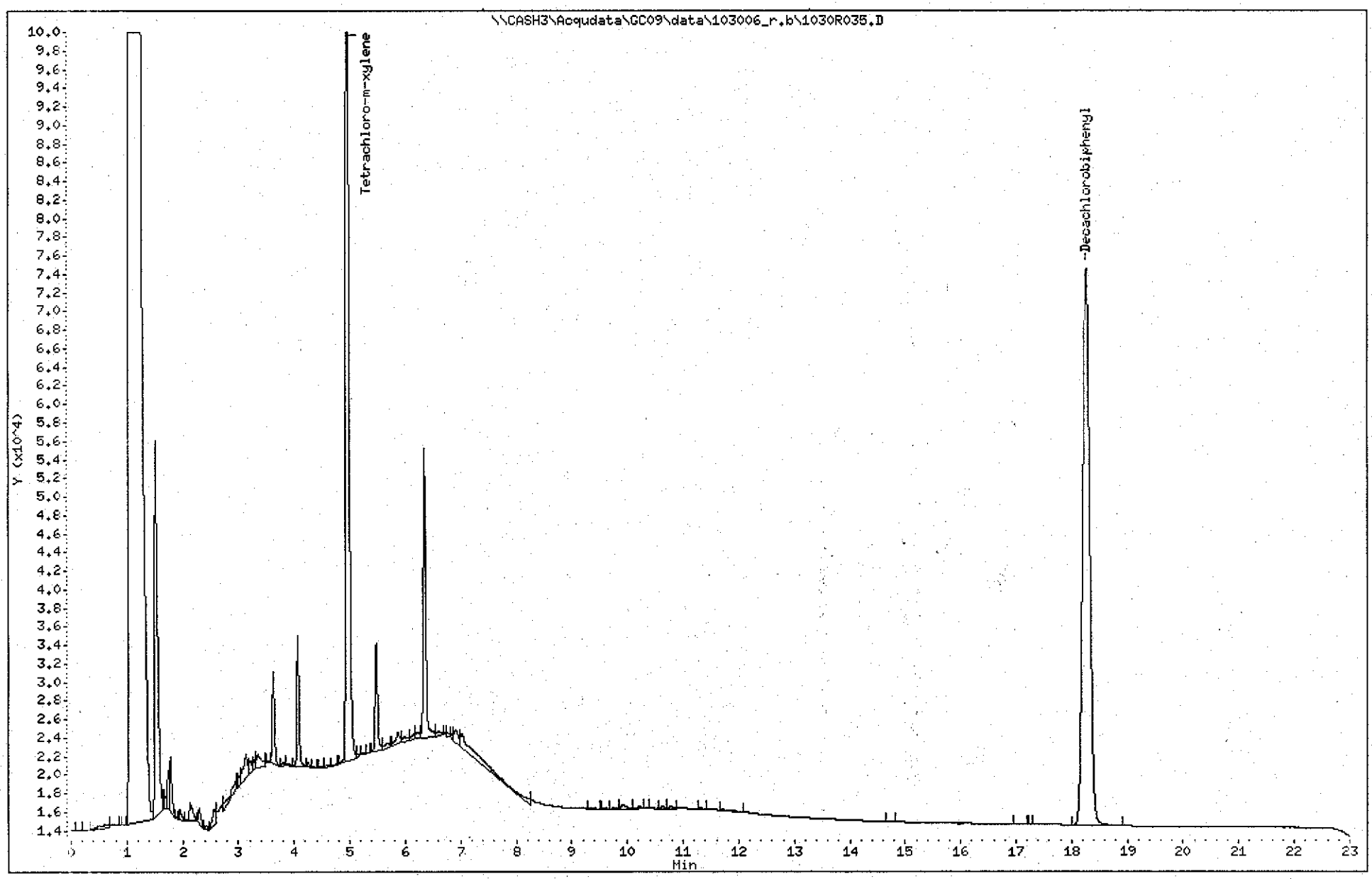
Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R035.D
Date : 31-OCT-2006 08:51
Client ID:
Sample Info: K0608882-031 | SCSD27 10/4

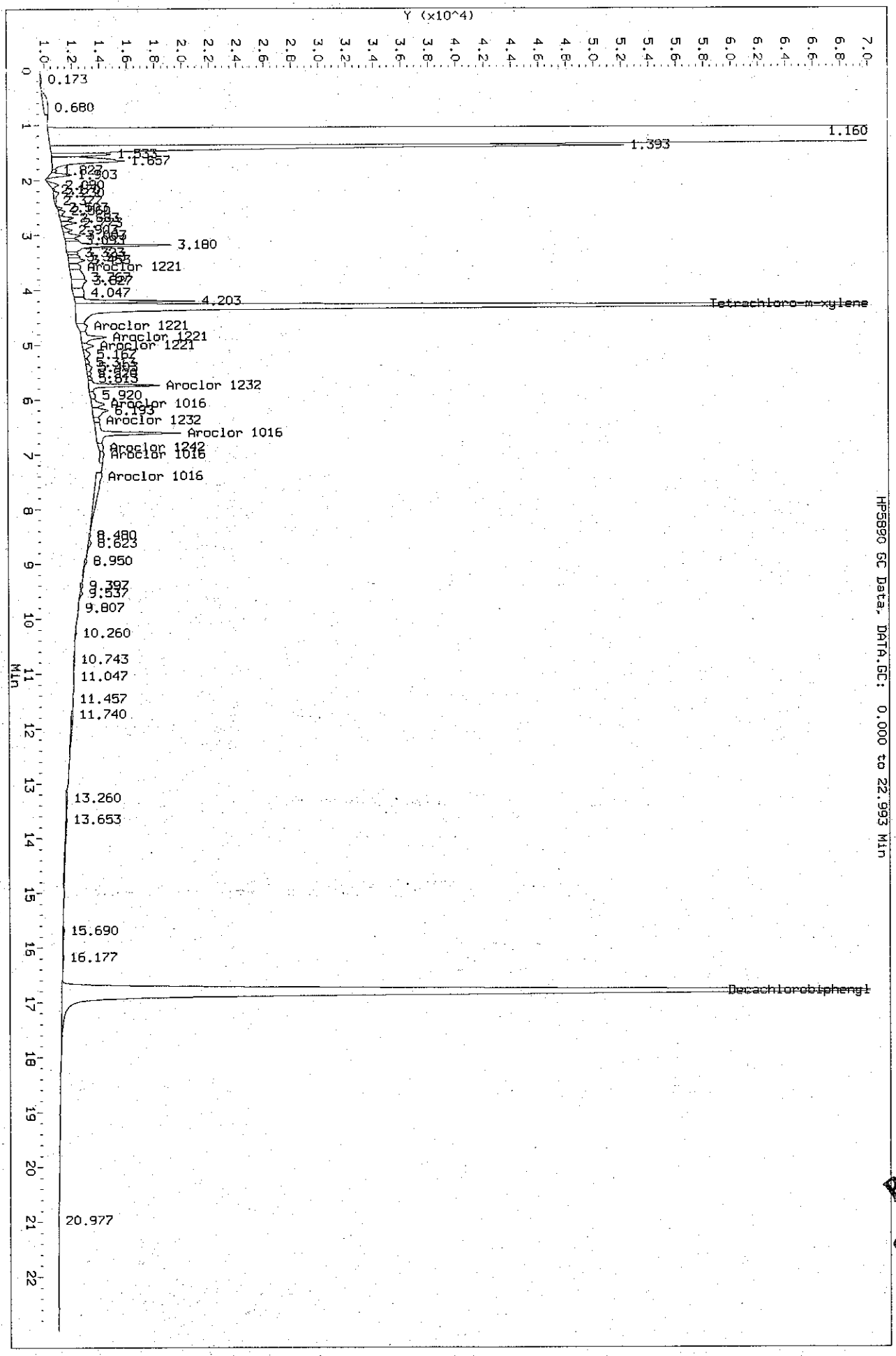
Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

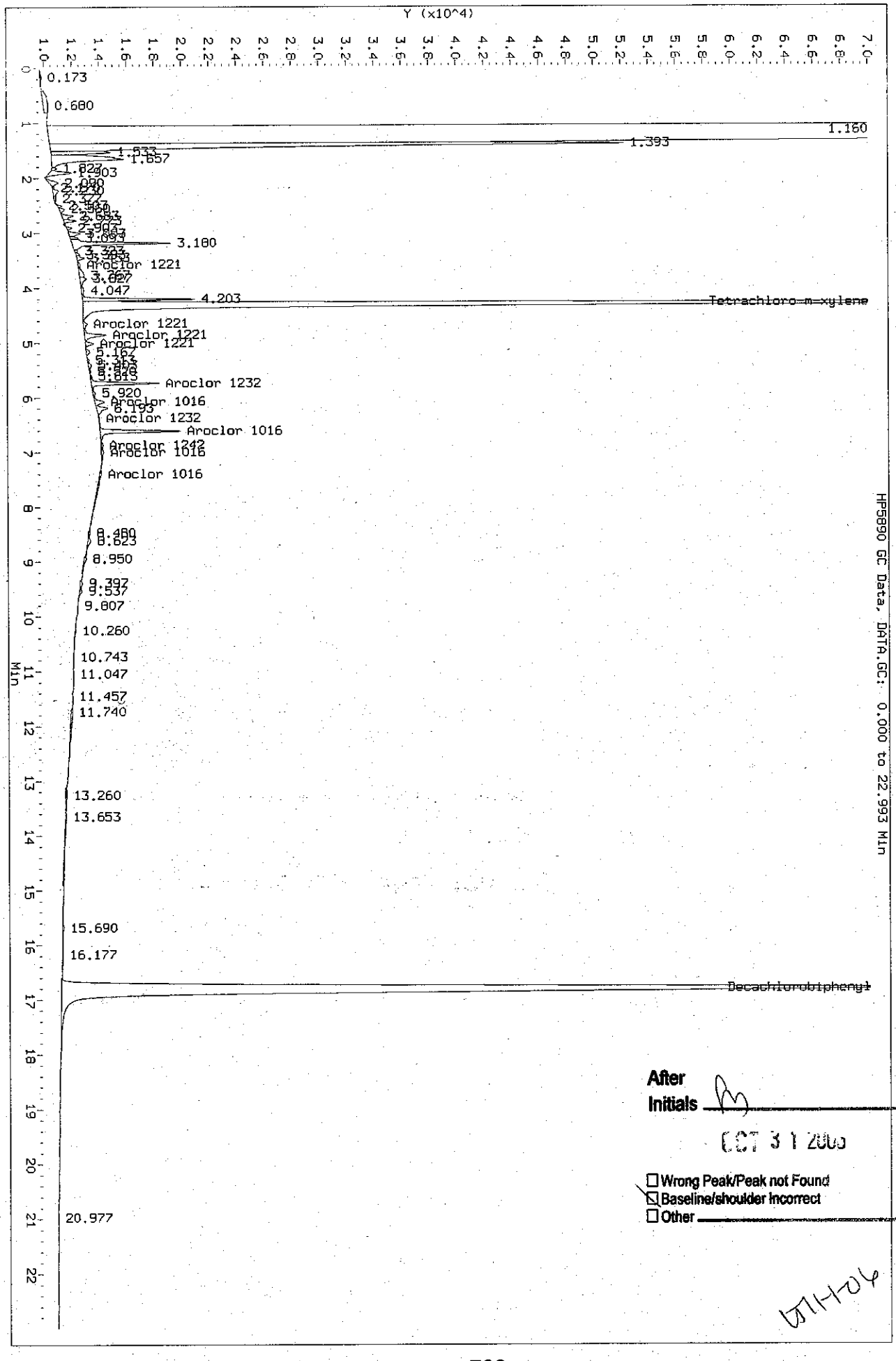
Column diameter: 0.53





Before
OCT 31 2006

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F035.D
Injection Date: 31-OCT-2006 08:51
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.993 Min

After
Initials

OCT 31 2006

☐ Wrong Peak/Peak not Found
☒ Baseline/shoulder incorrect
☐ Other

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Method Blank
Lab Code: KWG0617499-4

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.14	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	ND	U	0.070	0.011	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	87	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F029.D
Lab ID: KWG0617499-4
RunType: MB
Matrix: SEDIMENT

Date Acquired: 10/31/2006 06:07
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: hn 10/31/06

Secondary Review: 11-1-06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R029.D
Lab ID: KWG0617499-4
RunType: MB
Matrix: SEDIMENT

Date Acquired: 10/31/2006 06:07
Date Quantitated: 10/31/2006 14:51
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: MW 11/3/06

Secondary Review: 11-7-06

Printed: 10/31/2006 15:30:18
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/24/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537655	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:		**Method ID:**	MJ657
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F029.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R029.D			**Vial:**	22
Acqu Date:	10/31/2006 06:07	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0617499-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.29 +0.00	4.96 +0.00	446528	514836	79.76	81.19			81OK
			%Recovery =		80OK	81OK	Limits =	21-142	
Decachlorobiphenyl	16.81 +0.00	18.28 +0.01	507479	522107	87.04	79.47			87OK
			%Recovery =		87OK	79OK	Limits =	33-153	
2,2',4,4',5,5'-Hexabromobiphen	0.00		0	0		0.0000			
			%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1016 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1016 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1016 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1016 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1016 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1232			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F029.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R029.D			**Vial:**	22
Acqu Date:	10/31/2006 06:07	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	MB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0617499-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1248 {1}			0	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {2}			0	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {3}			0	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {4}			0	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {5}			0	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1260			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1260 {1}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1260 {2}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1260 {3}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1260 {4}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1260 {5}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1262 {1}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {2}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {3}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {4}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {5}			0	0	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	14.33 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F029.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R029.D			**Vial:**	22
Acqu Date:	10/31/2006 06:07	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	MB			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-4				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F029.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F029.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R029.D
Inj Date : 31-OCT-2006 06:07
Sample Info: KWG0617499-4 | MB | 8082 PCB | SEDIMENT
Misc Info : SEMIVOA GC\W0617499\4-MB.H | F=10 D=1 A=14.33
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.290	4.957	446528	514836	79.8	81.2		100.00(R)
Decachlorobiphenyl	16.813	18.277	507479	522107	87.0	79.5		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

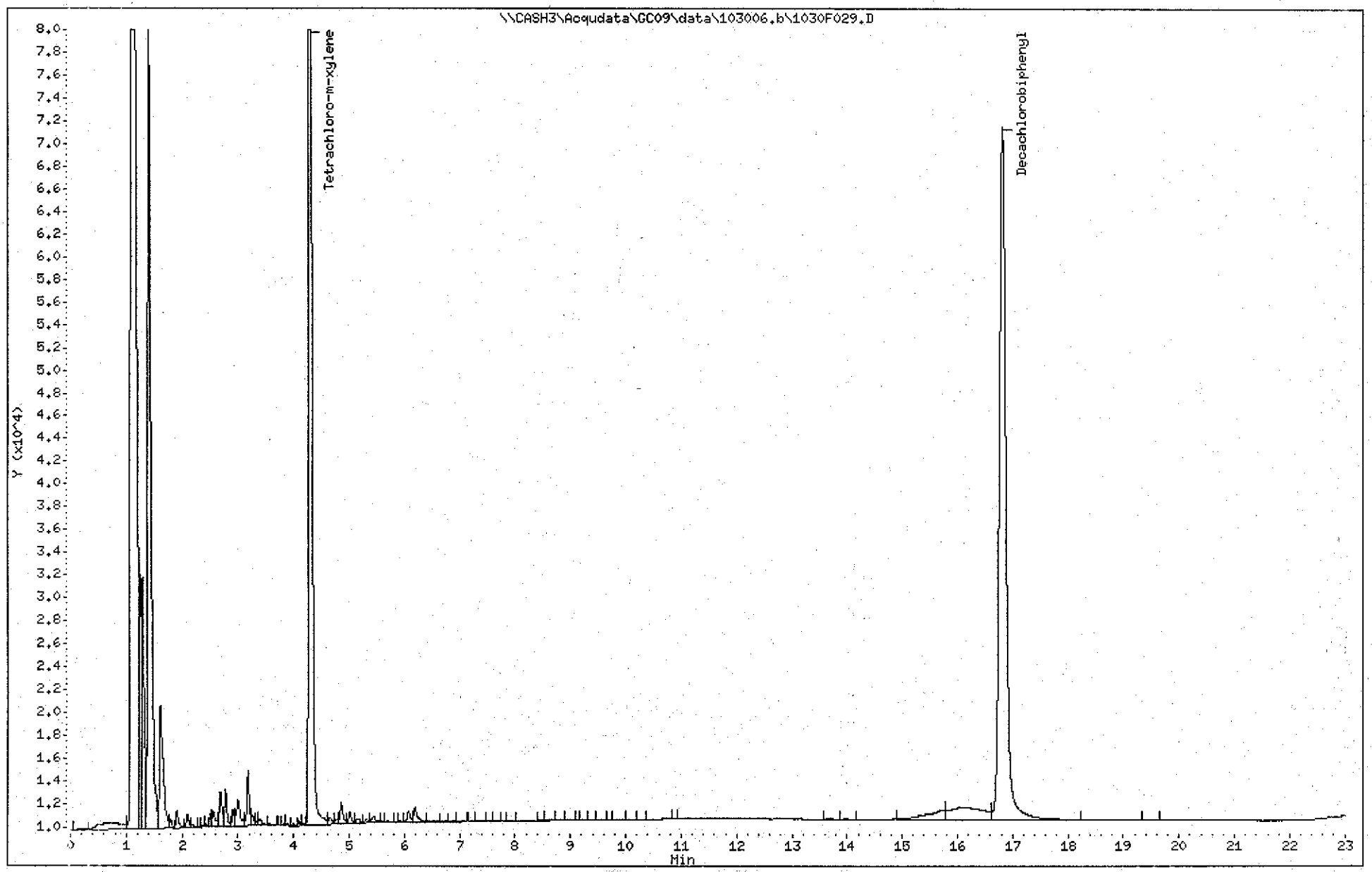
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F029.D
Date : 31-OCT-2006 06:07
Client ID:
Sample Info: KWG0617499-4 | MB | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



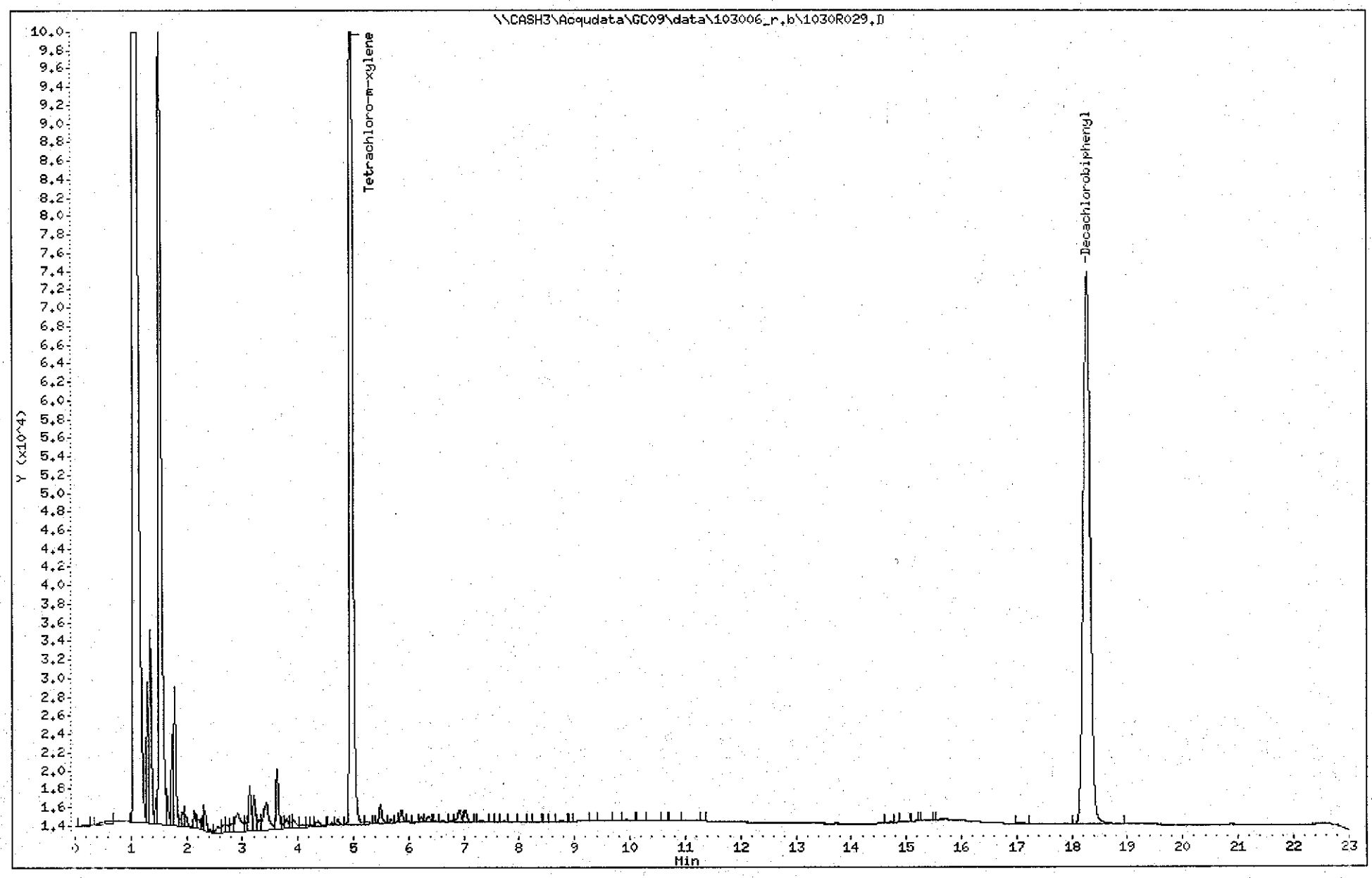
Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R029.D
Date : 31-OCT-2006 06:07
Client ID:
Sample Info: KWG0617499-4 | MB | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Collected: 10/04/2006
Date Received: 10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name: SCSD26MS
Lab Code: KWG0617499-1

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**0.876**		0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	**0.945**		0.10	0.016	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F032.D
Lab ID: KWG0617499-1 -- K0608882-017MS
RunType: MS
Matrix: SEDIMENT

Date Acquired: 10/31/2006 07:29
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: Mn 103106

Secondary Review: 11-1-06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R032.D
Lab ID: KWG0617499-1 -- K0608882-017MS
RunType: MS
Matrix: SEDIMENT

Date Acquired: 10/31/2006 07:29
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: Gn 103106

Secondary Review: 11-1-06

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	Collect Date:		Receive Date:	10/24/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537652	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:	J:\GC09\DATA\103006.B\1030F029.D	**Method ID:**	MJ657
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F032.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R032.D			**Vial:**	25
Acqu Date:	10/31/2006 07:29	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	MS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0617499-1 -- K0608882-017MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.29	+0.00	4.96	+0.00	428509m	501659m	76.54	79.11			79OK
					%Recovery =		77OK	79OK	Limits =	21-142	
Decachlorobiphenyl	16.80	-0.01	18.27	0.00	489834	527050	84.01	80.23			84OK
					%Recovery =		84OK	80OK	Limits =	33-153	
2,2',4,4',5,5'-Hexabromobiphen	0.00				0	0		0.0000			
					%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016					0	0	879.17	838.52	0.876	0.836	0.876
Aroclor 1016 {1}	6.12	+0.00	6.10	+0.00	105789m	155507m	935.51	861.83	0.933	0.859	
Aroclor 1016 {2}	6.48	+0.00	6.16	+0.00	394711m	111763m	755.89	918.18	0.754	0.915	
Aroclor 1016 {3}	6.67	+0.00	7.09	+0.00	231439m	286765m	1,019	772.96	1.02	0.771	
Aroclor 1016 {4}	6.98	+0.00	7.55	+0.00	170902m	122397m	869.00	813.52	0.866	0.811	
Aroclor 1016 {5}	7.48	+0.00	7.65	+0.00	133439m	143784m	816.37	826.10	0.814	0.824	
Aroclor 1221					0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1221 {1}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {2}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {3}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {4}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232					0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1232 {1}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {2}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {3}					0d	0d	0.0000	0.0000	0.016U	0.016U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F032.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R032.D			**Vial:**	25
Acqu Date:	10/31/2006 07:29	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	MS			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-1 -- K0608882-017MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260			0	0	838.50	947.51	0.836	0.945	0.945
Aroclor 1260 {1}	9.43	10.28 +0.00	197158m	275849	782.95	884.73	0.781	0.882	
Aroclor 1260 {2}	10.04	10.81	331840m	301987	859.06	874.90	0.856	0.872	
Aroclor 1260 {3}	10.49	11.42	181232m	355890	896.38	845.21	0.894	0.843	
Aroclor 1260 {4}	10.81 -0.01	11.60	232812m	252500	605.09	1,142	0.603	1.14	
Aroclor 1260 {5}	11.99 0.00	12.12	528776m	281812	1,049	991.11	1.05	0.988	
Aroclor 1262			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	14.33 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
c: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F032.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R032.D			**Vial:**	25
Acqu Date:	10/31/2006 07:29	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	MS			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-1 – K0608882-017MS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: 70.0 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F032.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F032.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R032.D
Inj Date : 31-OCT-2006 07:29
Sample Info: KWG0617499-1 | K0608882-017MS | 8082 PCB
Misc Info : SEMIVOA GC\W0617499\1-MS.H | F=10 D=1 A=14.33
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.290	4.957	428509	501659	76.5	79.1		100.00(RM)
Aroclor 1016	6.120	6.103	105789	155507	936	862	80.00- 120.00	100.00(M)
	6.483	6.160	394711	111763	756	918	306.71- 460.06	373.11(M)
	6.667	7.087	231439	286765	1020	773	184.90- 277.36	218.77(M)
	6.980	7.550	170902	122397	869	814	141.63- 212.45	161.55(M)
	7.483	7.653	133439	143784	816	826	100.30- 150.45	126.14(M)
		Average of Peak Amounts =			879	839		
Aroclor 1260	9.430	10.283	197158	275849	783	885	80.00- 120.00	100.00(M)
	10.037	10.810	331840	301987	859	875	135.65- 203.47	168.31(M)
	10.490	11.417	181232	355890	896	845	75.66- 113.48	91.92(M)
	10.810	11.603	232812	252500	605	1140	104.83- 157.24	118.08(M)
	11.993	12.123	528776	281812	1050	991	183.57- 275.35	268.20(M)
		Average of Peak Amounts =			839	947		
Decachlorobiphenyl	16.803	18.267	489834	527050	84.0	80.2		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

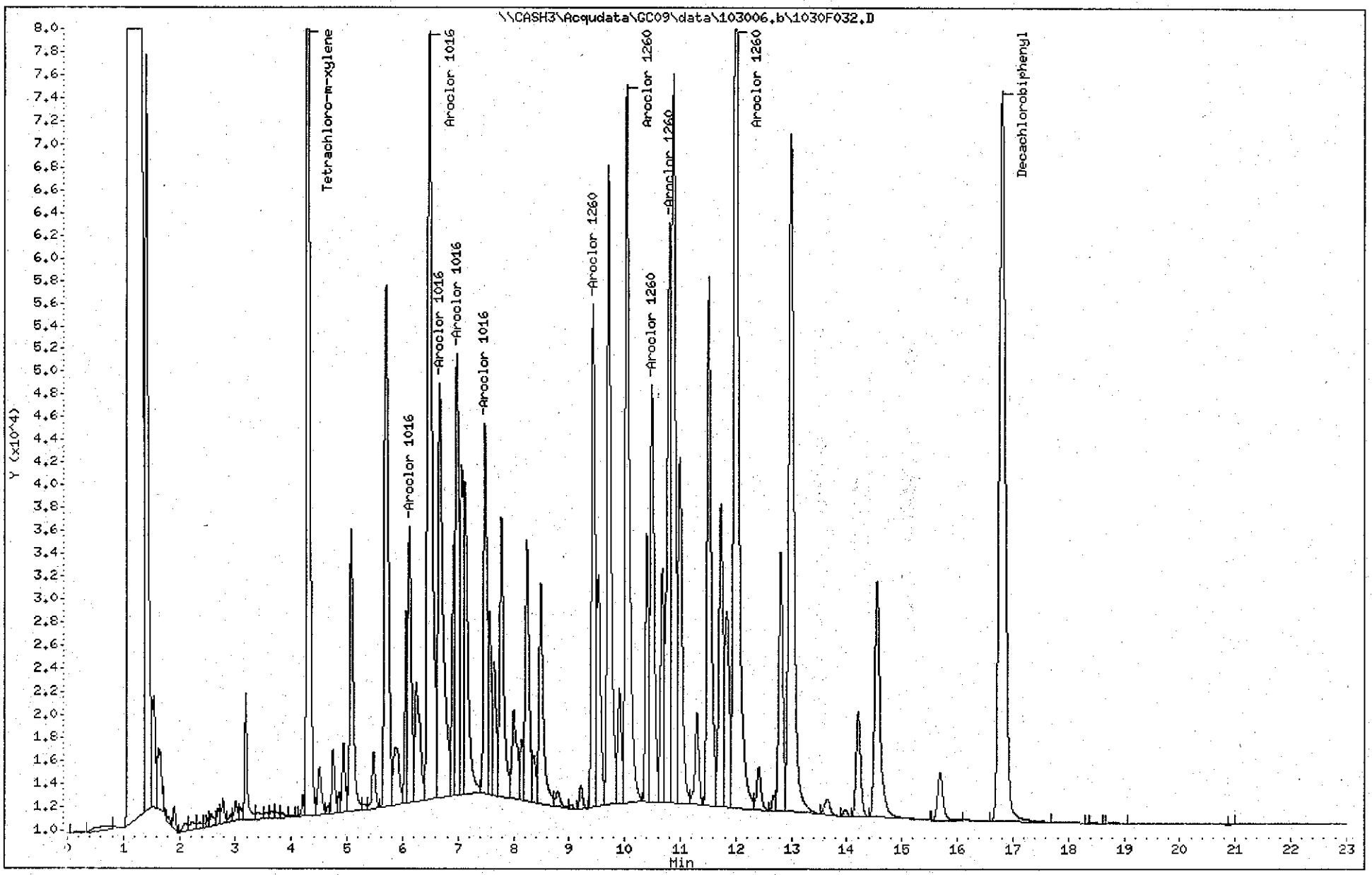
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F032.D
Date : 31-OCT-2006 07:29
Client ID:
Sample Info: KWG0617499-1 | K0608882-017HS | 8082 PCB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

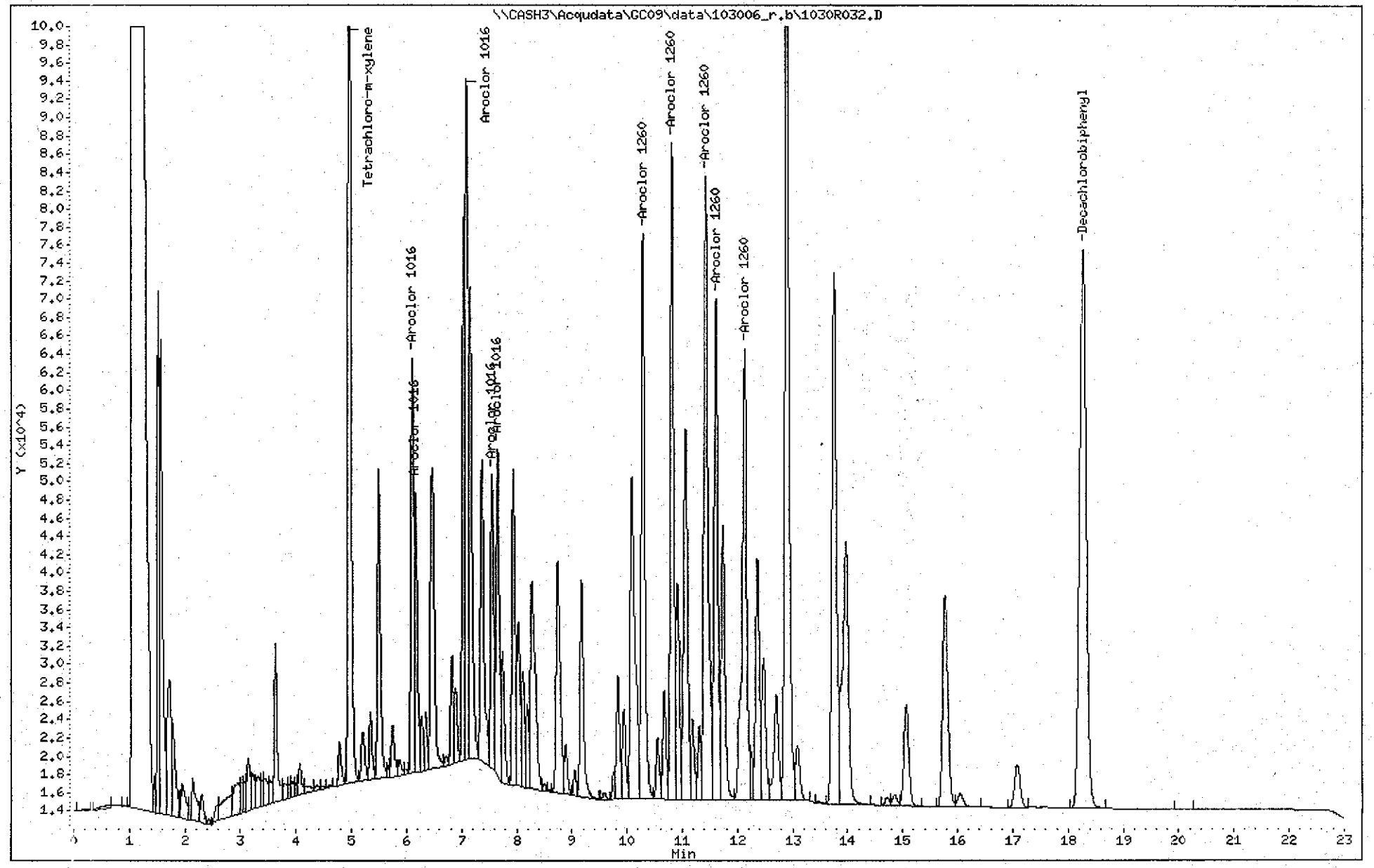
Column diameter: 0.53

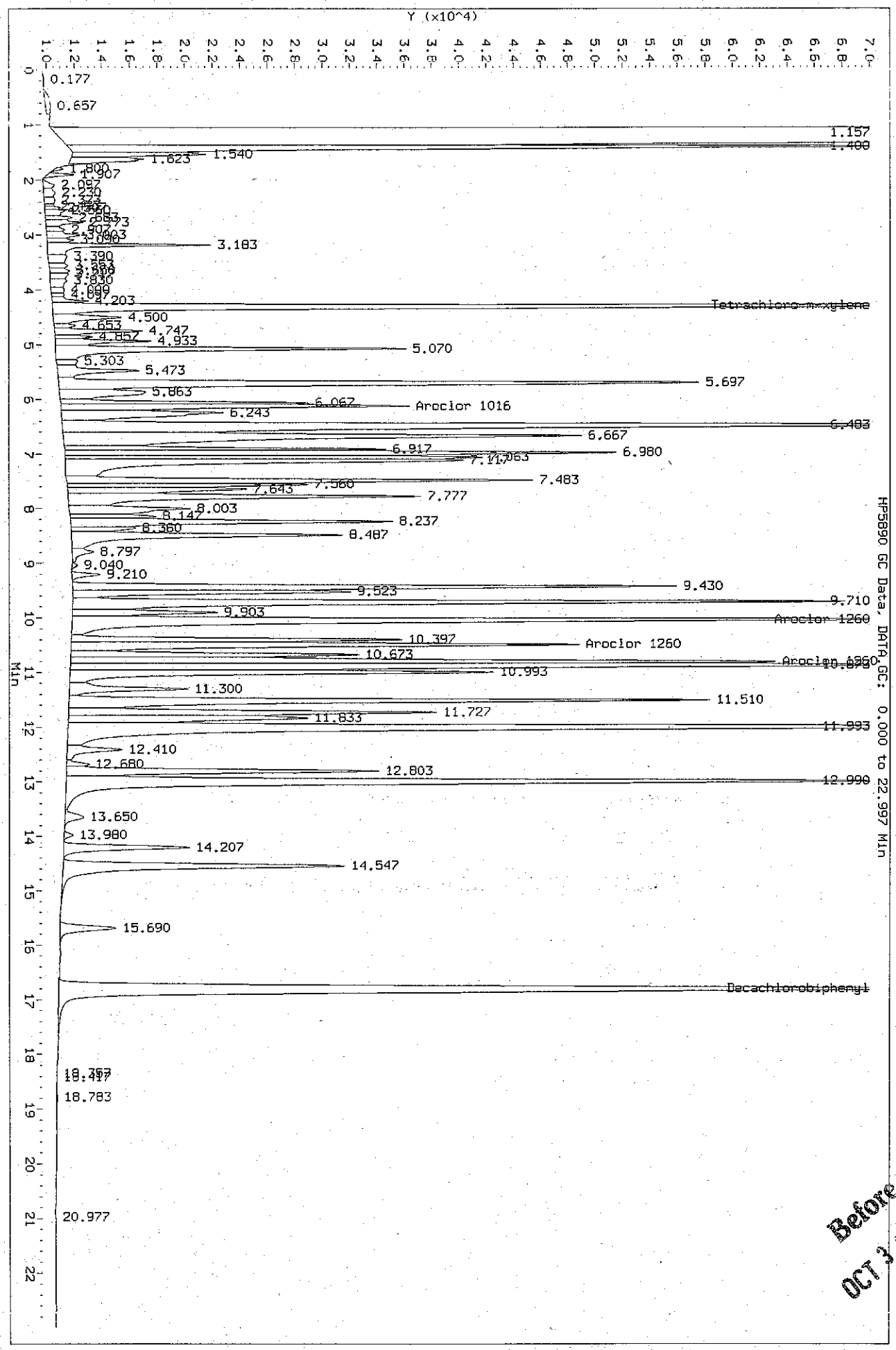


Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R032.D
Date : 31-OCT-2006 07:29
Client ID:
Sample Info: KWG0617499-1 | K0608882-017MS | 8082 PCB

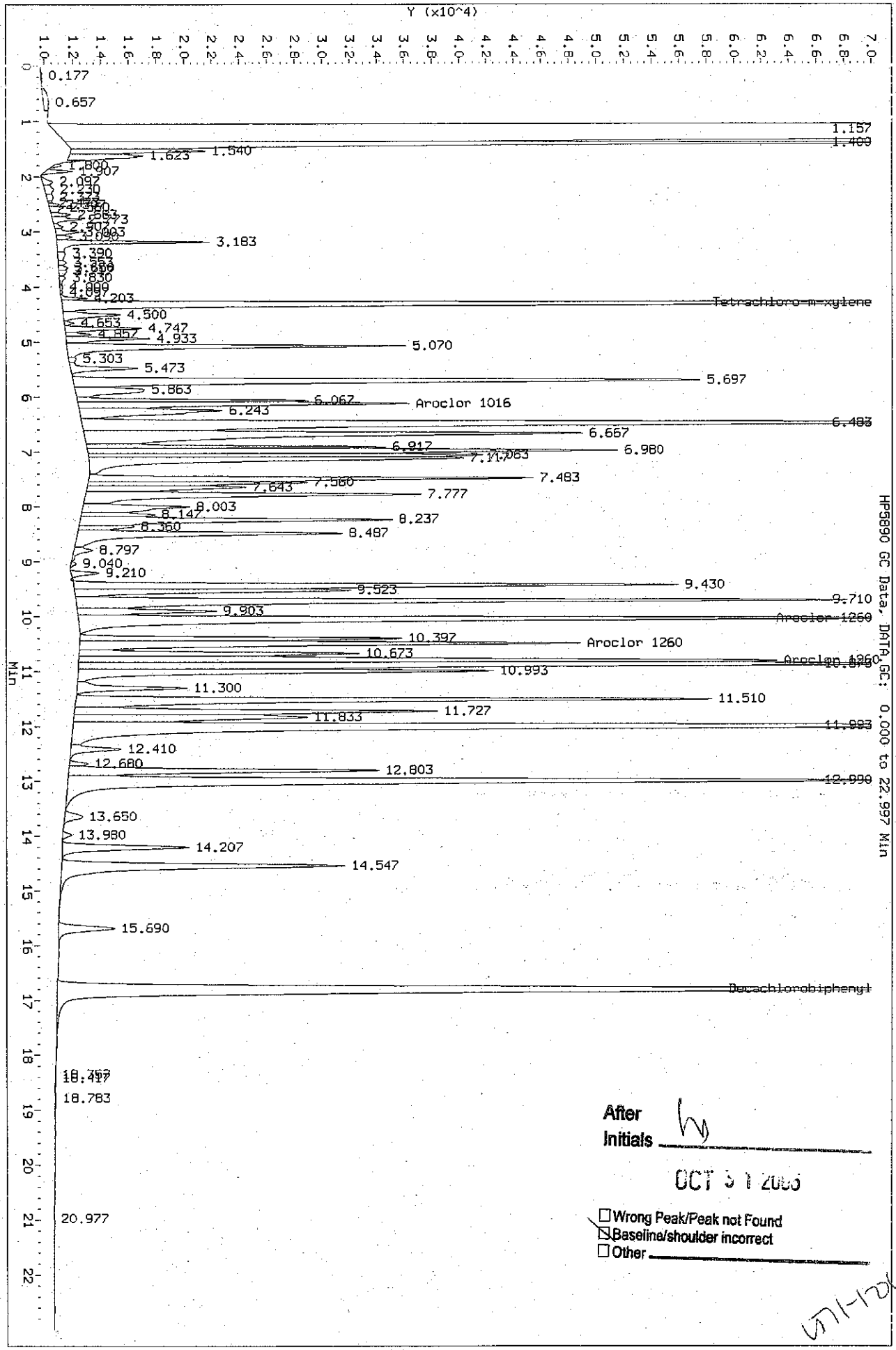
Instrument: GC09.i
Operator: LMarris
Column diameter: 0.53

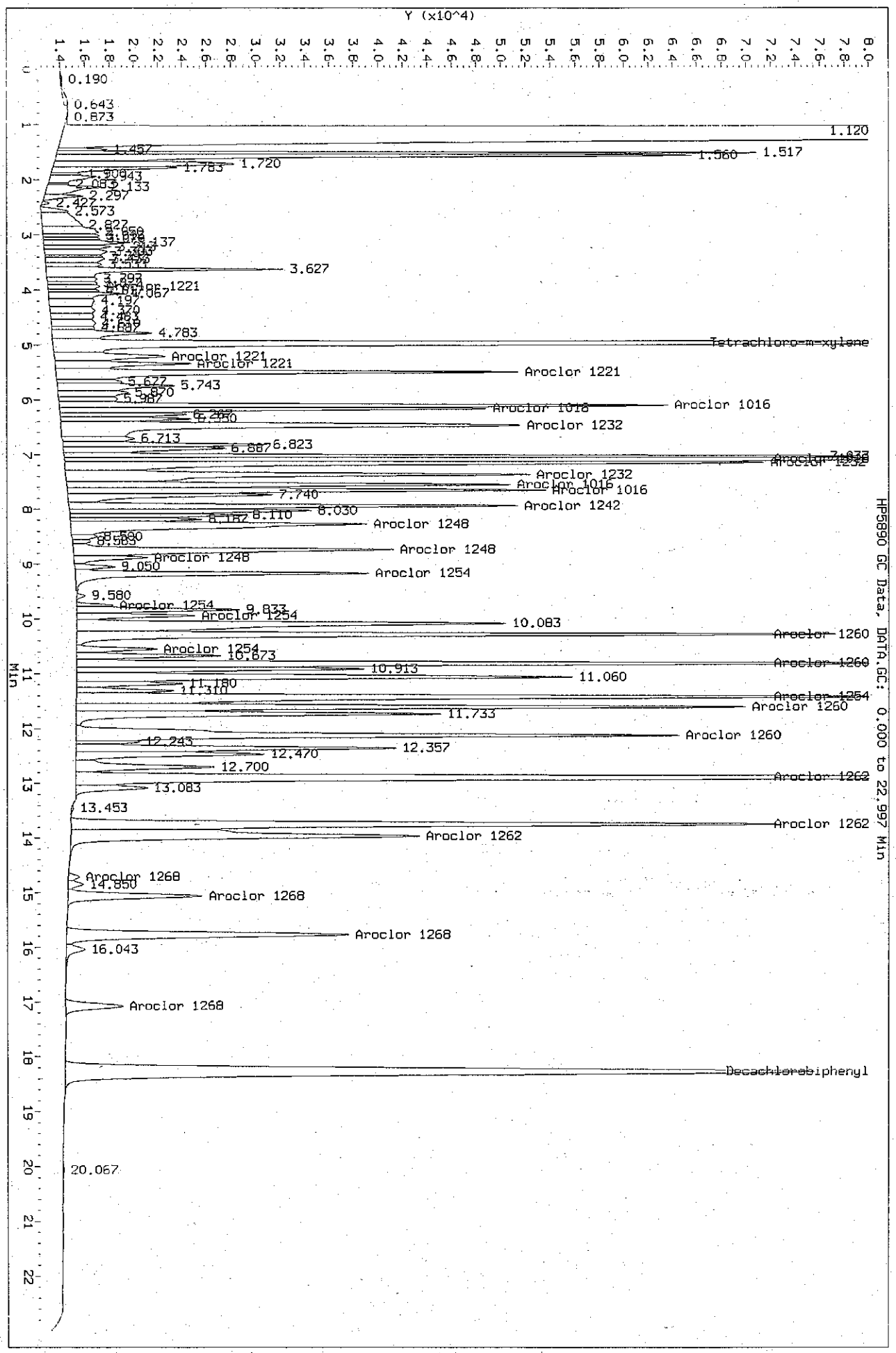
Column phase: DB-XLB





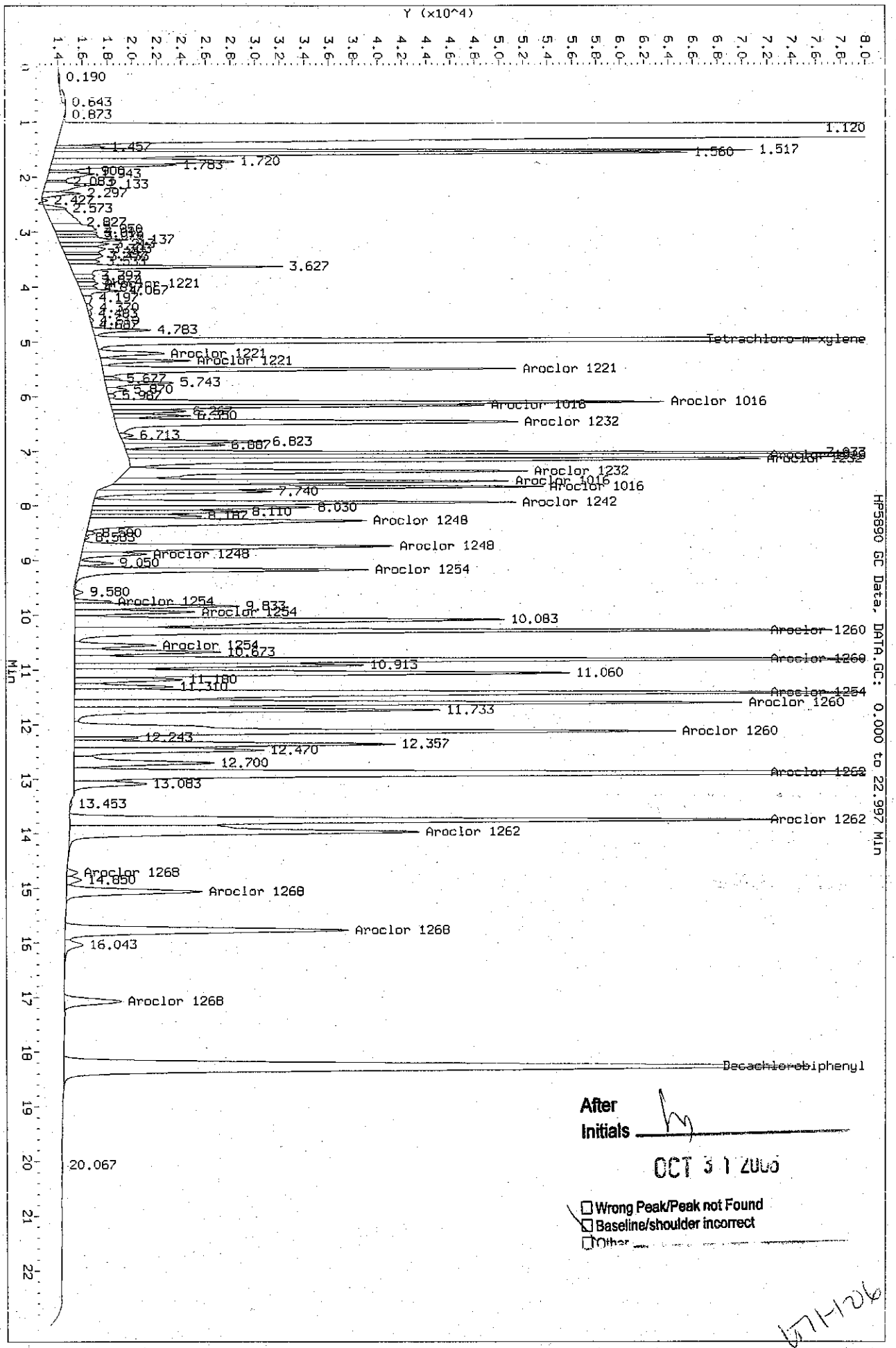
Before
OCT 31 2006


Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F032.D
Injection Date: 31-OCT-2006 07:29
Instrument: GC09.i
Client Sample ID:
Y (x10^4)
HP5890 GC Data, DATA GC: 0.000 to 22.997 Min
Min
0.177
0.657
1.157
1.409
1.623
1.540
3.183
Tetrachloro-m-xylene
4.500
4.653
4.747
4.933
5.070
5.303
5.473
5.697
5.863
6.067
Aroclor 1016
6.243
6.483
6.667
6.917
6.980
7.063
7.483
7.643
7.560
7.777
8.003
8.147
8.237
8.360
8.487
8.797
9.040
9.210
9.430
9.523
9.710
9.903
Aroclor 1260
10.397
Aroclor 1260
10.673
Aroclor 1260
10.993
11.300
11.510
11.727
11.833
11.993
12.410
12.680
12.803
12.990
13.650
13.980
14.207
14.547
15.690
Decachlorobiphenyl
18.417
18.783
20.977
After
Initials
OCT 31 2006
Wrong Peak/Peak not Found
Baseline/shoulder incorrect
Other



Before
OCT 31 2006

Data File: \\C4SH3\Acqudata\GC09\data\103006_r.b\1030R032.D
Injection Date: 31-OCT-2006 07:29
Instrument: GC09.i
Client Sample ID:



After
Initials

OCT 3 1 2006

☐ Wrong Peak/Peak not Found
☒ Baseline/shoulder incorrect
☐ Other

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client:	URS Corporation	**Service Request:**	K0608882
Project:	Alaska Salt Chuck Mine/26219784	**Date Collected:**	10/04/2006
Sample Matrix:	Sediment	**Date Received:**	10/13/2006

Polychlorinated Biphenyls (PCBs)

Sample Name:	SCSD26DMS	**Units:**	mg/Kg
Lab Code:	KWG0617499-2	**Basis:**	Dry
Extraction Method:	EPA 3540C	**Level:**	Low
Analysis Method:	8082		

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**0.800**		0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.016	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	**0.877**		0.10	0.016	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	84	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F033.D
Lab ID: KWG0617499-2 -- K0608882-017DMS
RunType: DMS
Matrix: SEDIMENT

Date Acquired: 10/31/2006 07:57
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: CM 103106

Secondary Review: 11/1/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R033.D
Lab ID: KWG0617499-2 -- K0608882-017DMS
RunType: DMS
Matrix: SEDIMENT

Date Acquired: 10/31/2006 07:57
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: 6/10-3/06

Secondary Review: 11-1-06

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/24/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537653	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:	J:\GC09\DATA\103006.B\1030F029.D	**Method ID:**	MJ657
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F033.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R033.D			**Vial:**	26
Acqu Date:	10/31/2006 07:57	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	DMS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0617499-2 -- K0608882-017DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1		RT #2		Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.29	+0.00	4.96	+0.00	414980m	488915m	74.13	77.10			77OK
					%Recovery =		74OK	77OK	Limits =	21-142	
Decachlorobiphenyl	16.80	-0.01	18.27	0.00	491516	530608	84.30	80.77			84OK
					%Recovery =		84OK	81OK	Limits =	33-153	
2,2',4,4',5,5'-Hexabromobiphen	0.00				0	0		0.0000			
					%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: mg/Kg Dry Weight

Parameter Name	RT #1		RT #2		Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016					0	0	801.26	790.47	0.800	0.789	0.800
Aroclor 1016 {1}	6.12	+0.00	6.10		94367m	140558m	834.51	778.98	0.833	0.778	
Aroclor 1016 {2}	6.48	+0.00	6.16	+0.00	361036m	104041m	691.40	854.74	0.690	0.853	
Aroclor 1016 {3}	6.67	+0.00	7.09	+0.00	207774m	272249m	914.86	733.84	0.913	0.733	
Aroclor 1016 {4}	6.98		7.55	+0.00	161157m	120961m	819.45	803.97	0.818	0.803	
Aroclor 1016 {5}	7.48	+0.00	7.65		121949m	135902m	746.08	780.82	0.745	0.779	
Aroclor 1221					0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1221 {1}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {2}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {3}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1221 {4}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232					0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1232 {1}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {2}					0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1232 {3}					0d	0d	0.0000	0.0000	0.016U	0.016U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F033.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R033.D			**Vial:**	26
Acqu Date:	10/31/2006 07:57	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	DMS			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-2 -- K0608882-017DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Dry Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1260			0	0	791.70	878.70	0.790	0.877	0.877
Aroclor 1260 {1}	9.43	10.28 +0.00	185864m	255878	738.11	820.68	0.737	0.819	
Aroclor 1260 {2}	10.04	10.81	312385m	279906	808.69	810.93	0.807	0.810	
Aroclor 1260 {3}	10.49	11.42	172504m	329875	853.21	783.43	0.852	0.782	
Aroclor 1260 {4}	10.81 -0.01	11.60	220721m	234502	573.67	1,060	0.573	1.06	
Aroclor 1260 {5}	11.99 0.00	12.12	496419m	261093	984.84	918.24	0.983	0.917	
Aroclor 1262			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268			0	0	0.0000	0.0000	0.016U	0.016U	0.016U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.016U	0.016U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.016U	0.016U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	14.31 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F033.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R033.D			**Vial:**	26
Acqu Date:	10/31/2006 07:57	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	DMS			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-2 -- K0608882-017DMS				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: 70.0 %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F033.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

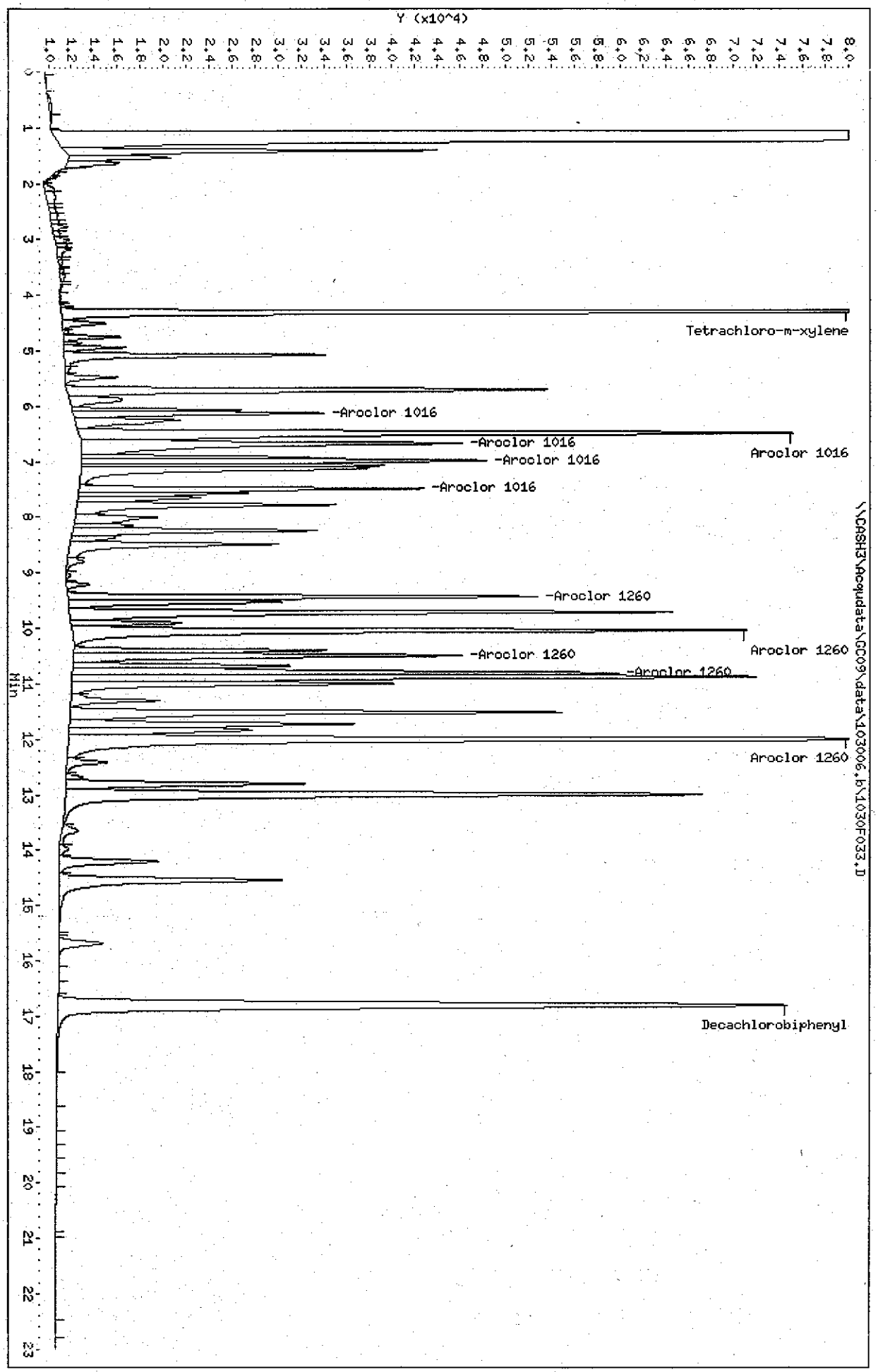
Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F033.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R033.D
Inj Date : 31-OCT-2006 07:57
Sample Info: KWG0617499-2 | K0608882-017DMS | 8082 PCB
Misc Info : SEMIVOA GC\W0617499\2-DMS.H | F=10 D=1 A=14.3
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

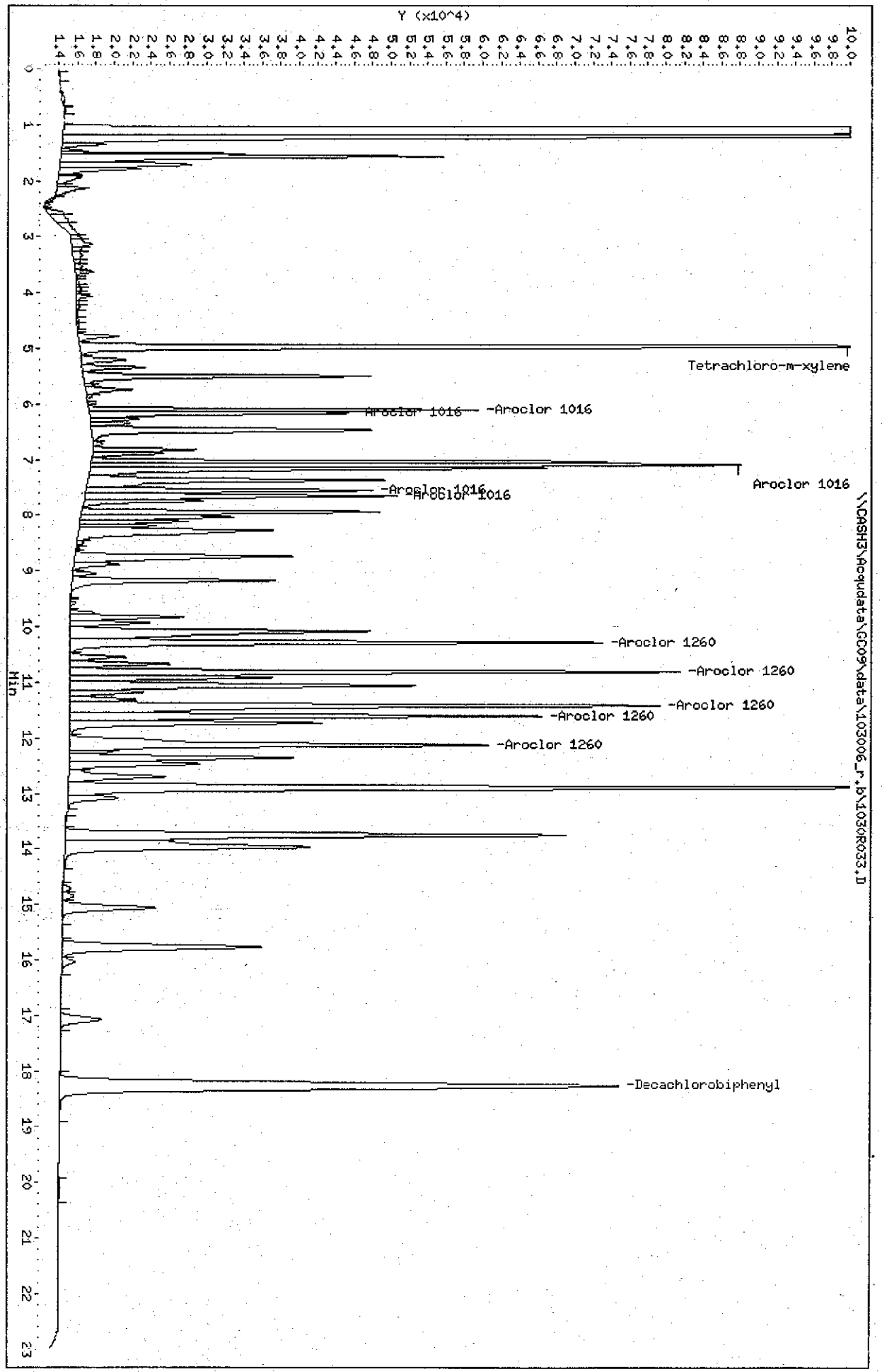
Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

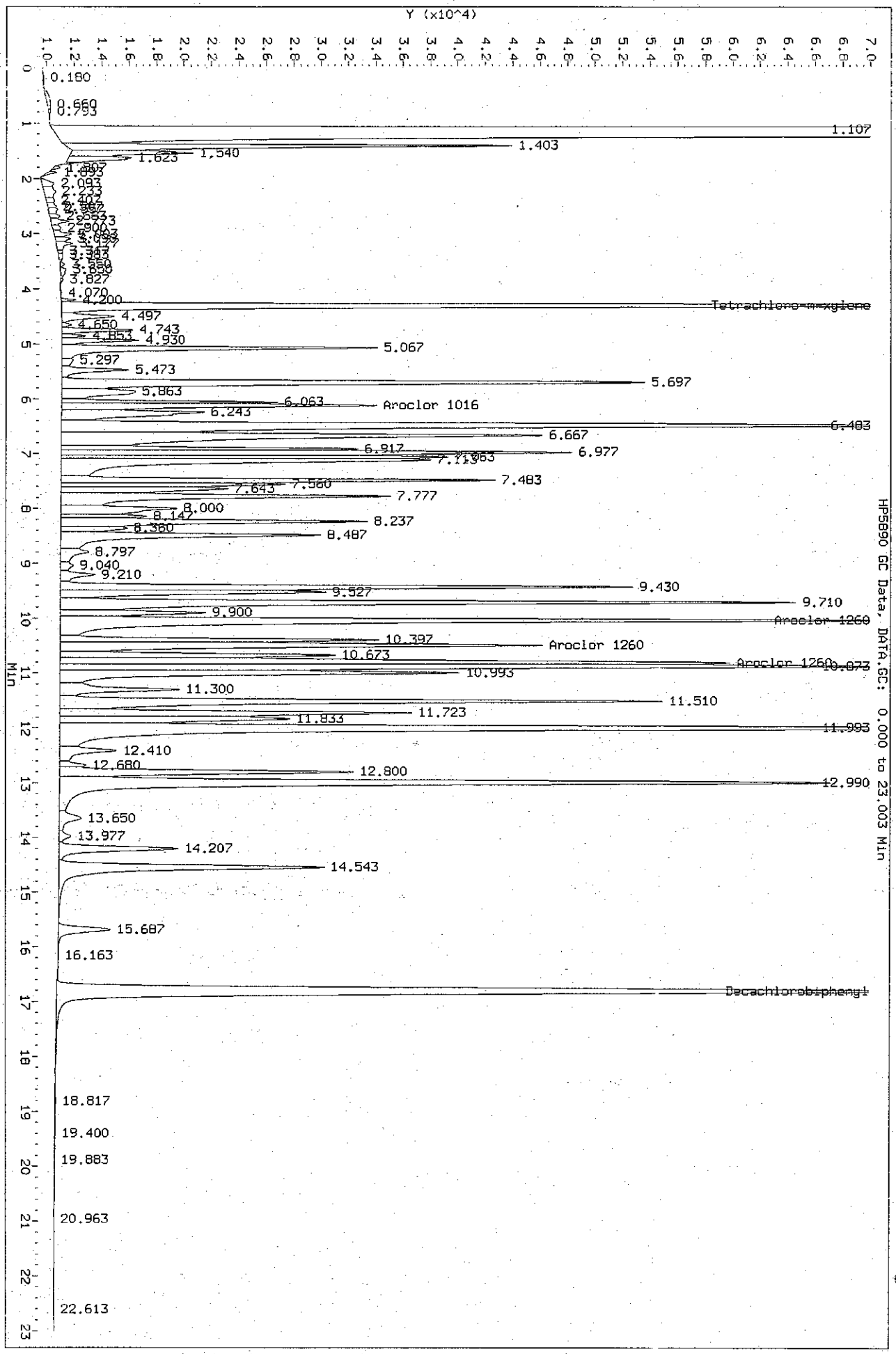
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.290	4.957	414980	488915	74.1	77.1		100.00(RM)
Aroclor 1016	6.120	6.100	94367	140558	834	779	80.00- 120.00	100.00(M)
	6.483	6.160	361036	104041	691	855	306.71- 460.06	382.59(M)
	6.667	7.087	207774	272249	915	734	184.90- 277.36	220.18(M)
	6.977	7.550	161157	120961	819	804	141.63- 212.45	170.78(M)
	7.483	7.650	121949	135902	746	781	100.30- 150.45	129.23(M)
		Average of Peak Amounts =			801	791		
Aroclor 1260	9.430	10.283	185864	255878	738	821	80.00- 120.00	100.00(M)
	10.037	10.810	312385	279906	809	811	135.65- 203.47	168.07(M)
	10.490	11.417	172504	329875	853	783	75.66- 113.48	92.81(M)
	10.810	11.603	220721	234502	574	1060	104.83- 157.24	118.75(M)
	11.993	12.123	496419	261093	985	918	183.57- 275.35	267.09(M)
		Average of Peak Amounts =			792	879		
Decachlorobiphenyl	16.803	18.267	491516	530608	84.3	80.8		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

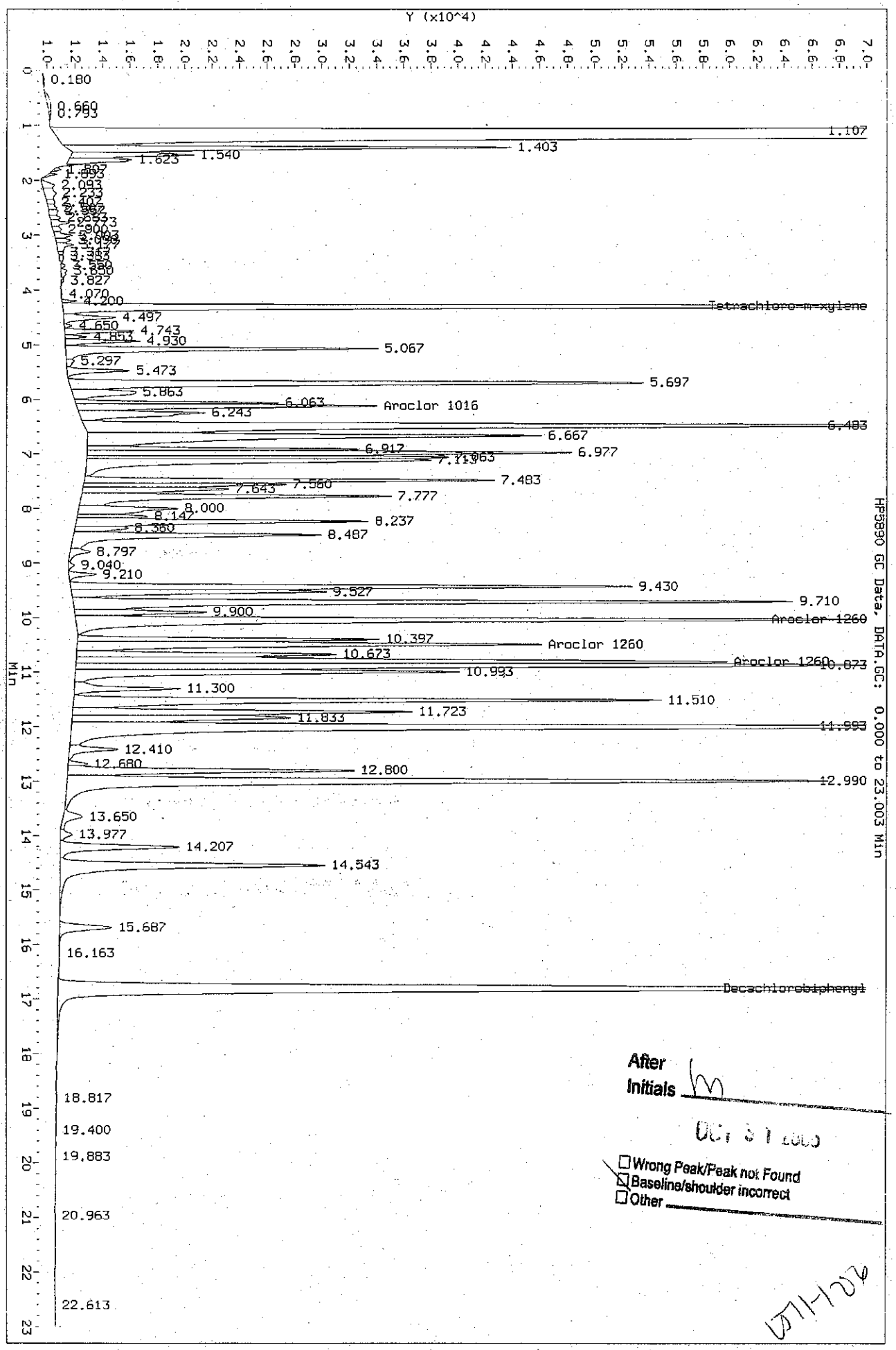

Data File: \\CASH3\Acqudata\GC09\data\103006,b\1030F033.D
Date : 31-OCT-2006 07:57
Client ID:
Sample Info: KWG0617499-2 | K0608882-017DMS | 8082 PCB
Column phase: DB-35MS
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
-Aroclor 1016
Aroclor 1016
-Aroclor 1260
Aroclor 1260
Decachlorobiphenyl
\\CASH3\Acqudata\GC09\data\103006,b\1030F033.D


Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R033.D
Date : 31-OCT-2006 07:57
Client ID:
Sample Info: KWG0617499-2 | K0608882-017DMS | 8082 PCB
Column Phase: DB-XLB
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
-Aroclor 1016
Aroclor 1016
-Aroclor 1016
-Aroclor 1016
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Aroclor 1260
-Decachlorobiphenyl
\\CASH3\Acqudata\GC09\data\103006_r.b\1030R033.D

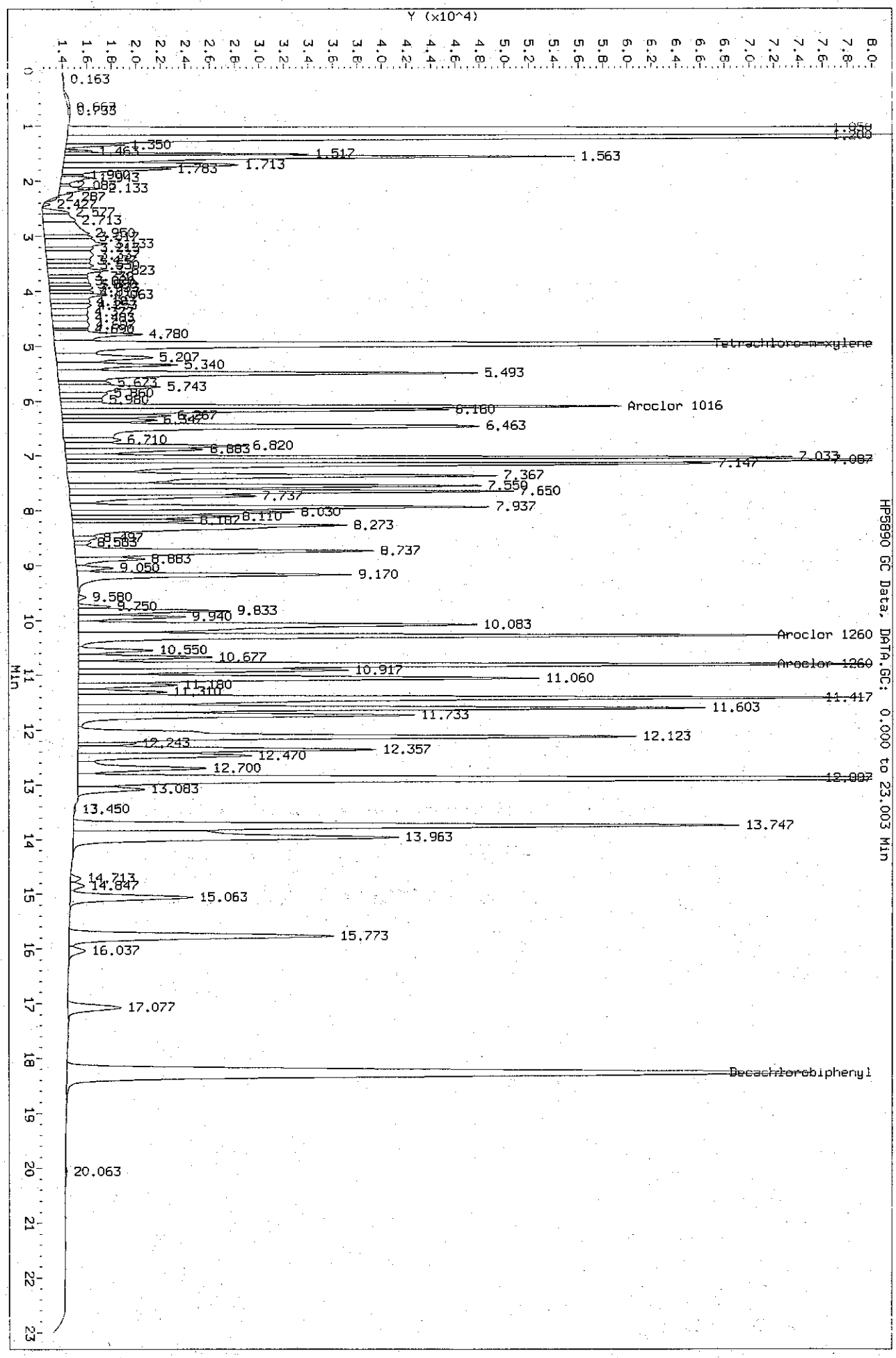


Before
OCT 3 1 2006

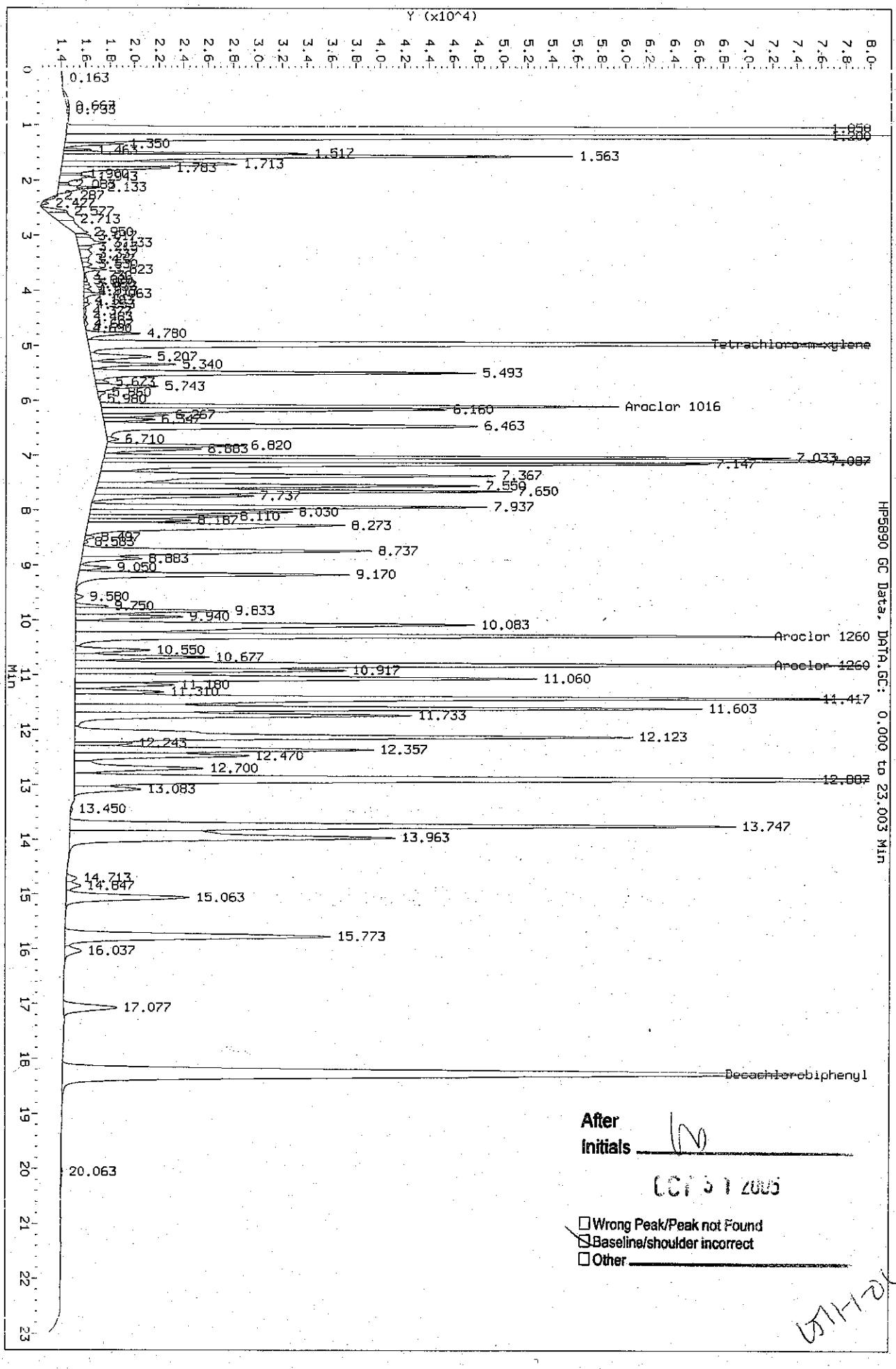
Data File: \C9SH3\Acqudata\GC09\data\103006.b\1030F033.D
Injection Date: 31-OCT-2006 07:57
Instrument: GC09.i
Client Sample ID:



After
Initials M
OCT 31 2006
☐ Wrong Peak/Peak not Found
☒ Baseline/shoulder incorrect
☐ Other



Before
OCT 31 2006


Data File: \\CSH3\Acqudata\GC09\data\103006_r.b\1030R033.D
Injection Date: 31-OCT-2006 07:57
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 23.003 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Aroclor 1260
Decachlorobiphenyl
After
Initials
OCT 31 2006
Wrong Peak/Peak not Found
Baseline/shoulder incorrect
Other

COLUMBIA ANALYTICAL SERVICES, INC.

Analytical Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784
Sample Matrix: Sediment

Service Request: K0608882
Date Collected: NA
Date Received: NA

Polychlorinated Biphenyls (PCBs)

Sample Name: Lab Control Sample
Lab Code: KWG0617499-3

Units: mg/Kg
Basis: Dry

Extraction Method: EPA 3540C
Analysis Method: 8082

Level: Low

Analyte Name	Result	Q	MRL	MDL	Dilution Factor	Date Extracted	Date Analyzed	Extraction Lot	Note
Aroclor 1016	**0.804**		0.10	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1221	ND	U	0.20	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1232	ND	U	0.10	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1242	ND	U	0.10	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1248	ND	U	0.10	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1254	ND	U	0.10	0.011	1	10/17/06	10/31/06	KWG0617499	
Aroclor 1260	**0.861**		0.10	0.011	1	10/17/06	10/31/06	KWG0617499	

Surrogate Name	%Rec	Control Limits	Date Analyzed	Note
Decachlorobiphenyl	80	33-153	10/31/06	Acceptable

Comments:

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F030.D
Lab ID: KWG0617499-3
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 10/31/2006 06:35
Date Quantitated: 10/31/2006 14:47
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: MD 3106

Secondary Review: 11-1-06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R030.D
Lab ID: KWG0617499-3
RunType: LCS
Matrix: SEDIMENT

Date Acquired: 10/31/2006 06:35
Date Quantitated: 10/31/2006 14:51
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
Analytical Holding Time	NA	NA	NA	x	
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Calibration Verification Pass/Fail	NA	NA	NA	x	
Calibration Verification Ave %D	NA	NA	NA	x	
Continuing Calibration Recovery	NA	NA	NA	x	
Calibration Verification Ave %D (Closing)	NA	NA	NA	x	
Continuing Calibration Recovery (Closing)	NA	NA	NA	x	
Surrogates	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Retention Time	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Std MRL Unsupported by ICAL	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	
Overdiluted Analysis	NA	NA	NA	x	

Primary Review: MJ 103106

Secondary Review: 11-1-06

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	SEDIMENT
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/24/2006

Analysis Lot:	KWG0618420	**Prep Lot:**	KWG0617499	**Report Group:**	
Analysis Method:	8082	**Prep Method:**	EPA 3540C		
Prep Ref:	537654	**Prep Date:**	10/17/2006		

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:	J:\GC09\DATA\103006.B\1030F029.D	**Method ID:**	MJ657
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F030.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R030.D			**Vial:**	23
Acqu Date:	10/31/2006 06:35	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	LCS			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0617499-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.29 +0.00	4.96 +0.00	395265m	469797	70.61	74.09			74OK
			%Recovery =		71OK	74OK	Limits =	21-142	
Decachlorobiphenyl	16.81	18.27 +0.00	466991	513806	80.10	78.21			80OK
			%Recovery =		80OK	78OK	Limits =	33-153	
2,2',4,4',5,5'-Hexabromobiphen	0.00		0	0		0.0000			
			%Recovery =				Limits =	70-130	

Target Compounds

Final Conc. Units: mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1016			0	0	804.49	786.13	0.804	0.786	0.804
Aroclor 1016 {1}	6.12 +0.00	6.10 +0.00	97867m	140497	865.46	778.64	0.865	0.779	
Aroclor 1016 {2}	6.48 +0.00	6.16 +0.00	337730m	100283	646.77	823.86	0.647	0.824	
Aroclor 1016 {3}	6.67 +0.00	7.09 +0.01	213734m	264203	941.10	712.15	0.941	0.712	
Aroclor 1016 {4}	6.98 +0.00	7.55 +0.00	162223m	123630	824.87	821.71	0.825	0.822	
Aroclor 1016 {5}	7.48 +0.00	7.65 +0.00	121646m	138248	744.23	794.29	0.744	0.794	
Aroclor 1221			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1221 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1221 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1232			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1232 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1232 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1232 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F030.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R030.D			**Vial:**	23
Acqu Date:	10/31/2006 06:35	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	LCS			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:** mg/Kg Wet Weight

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	mg/Kg #1	mg/Kg #2	Rpt
Aroclor 1232 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1242 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1242 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1248 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1248 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1254 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1254 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1260			0	0	783.87	861.30	0.784	0.861	0.861
Aroclor 1260 {1}	9.43 +0.00	10.28 +0.00	181229m	250965	719.70	804.92	0.720	0.805	
Aroclor 1260 {2}	10.04 +0.00	10.81 +0.00	320126m	272837	828.73	790.45	0.829	0.790	
Aroclor 1260 {3}	10.49 +0.00	11.42 +0.00	177947m	321111	880.13	762.61	0.880	0.763	
Aroclor 1260 {4}	10.81 0.00	11.61 +0.00	200665m	231544	521.54	1,047	0.522	1.05	
Aroclor 1260 {5}	12.00	12.13 +0.00	488571m	256379	969.27	901.67	0.969	0.902	
Aroclor 1262			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1262 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1262 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268			0	0	0.0000	0.0000	0.011U	0.011U	0.011U
Aroclor 1268 {1}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {2}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {3}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {4}			0d	0d	0.0000	0.0000	0.011U	0.011U	
Aroclor 1268 {5}			0d	0d	0.0000	0.0000	0.011U	0.011U	

The -/+ after Retention Time symbolize the direction of the RT shift

Prep Amount:	10.00 g	**Dilution:**	1.0
Prep Final Vol:	10 ml	**Unit Factor:**	0.001

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F030.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R030.D			**Vial:**	23
Acqu Date:	10/31/2006 06:35	**Quant Date:**	10/31/2006 14:47	**Dilution:**	1.0
Run Type:	LCS			Soln Conc. Units:	ng/mL
Lab ID:	KWG0617499-3				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Solids: %

Final Concentration = ((Soln Conc x Prep Final Vol x Dilution) / (Prep Amount x Solids)) x Unit Factor

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F030.D
Report Date: 31-Oct-2006 14:47

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F030.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R030.D
Inj Date : 31-OCT-2006 06:35
Sample Info: KWG0617499-3 | LCS | 8082 PCB | SEDIMENT
Misc Info : SEMIVOA GC\W0617499\3-LCS.H | F=10 D=1 A=10.0
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.290	4.957	395265	469797	70.6	74.1		100.00(RM)
Aroclor 1016	6.120	6.103	97867	140497	865	779	80.00- 120.00	100.00(M)
	6.483	6.160	337730	100283	647	824	306.71- 460.06	345.09(M)
	6.667	7.090	213734	264203	941	712	184.90- 277.36	218.39(M)
	6.980	7.550	162223	123630	825	822	141.63- 212.45	165.76(M)
	7.483	7.653	121646	138248	744	794	100.30- 150.45	124.30(M)
		Average of Peak Amounts =			804	786		
Aroclor 1260	9.433	10.283	181229	250965	720	805	80.00- 120.00	100.00(M)
	10.040	10.813	320126	272837	829	790	135.65- 203.47	176.64(M)
	10.493	11.420	177947	321111	880	763	75.66- 113.48	98.19(M)
	10.813	11.607	200665	231544	522	1050	104.83- 157.24	110.72(M)
	11.997	12.127	488571	256379	969	902	183.57- 275.35	269.59(M)
		Average of Peak Amounts =			784	862		
Decachlorobiphenyl	16.810	18.273	466991	513806	80.1	78.2		100.00(R)

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M - Compound response manually integrated.

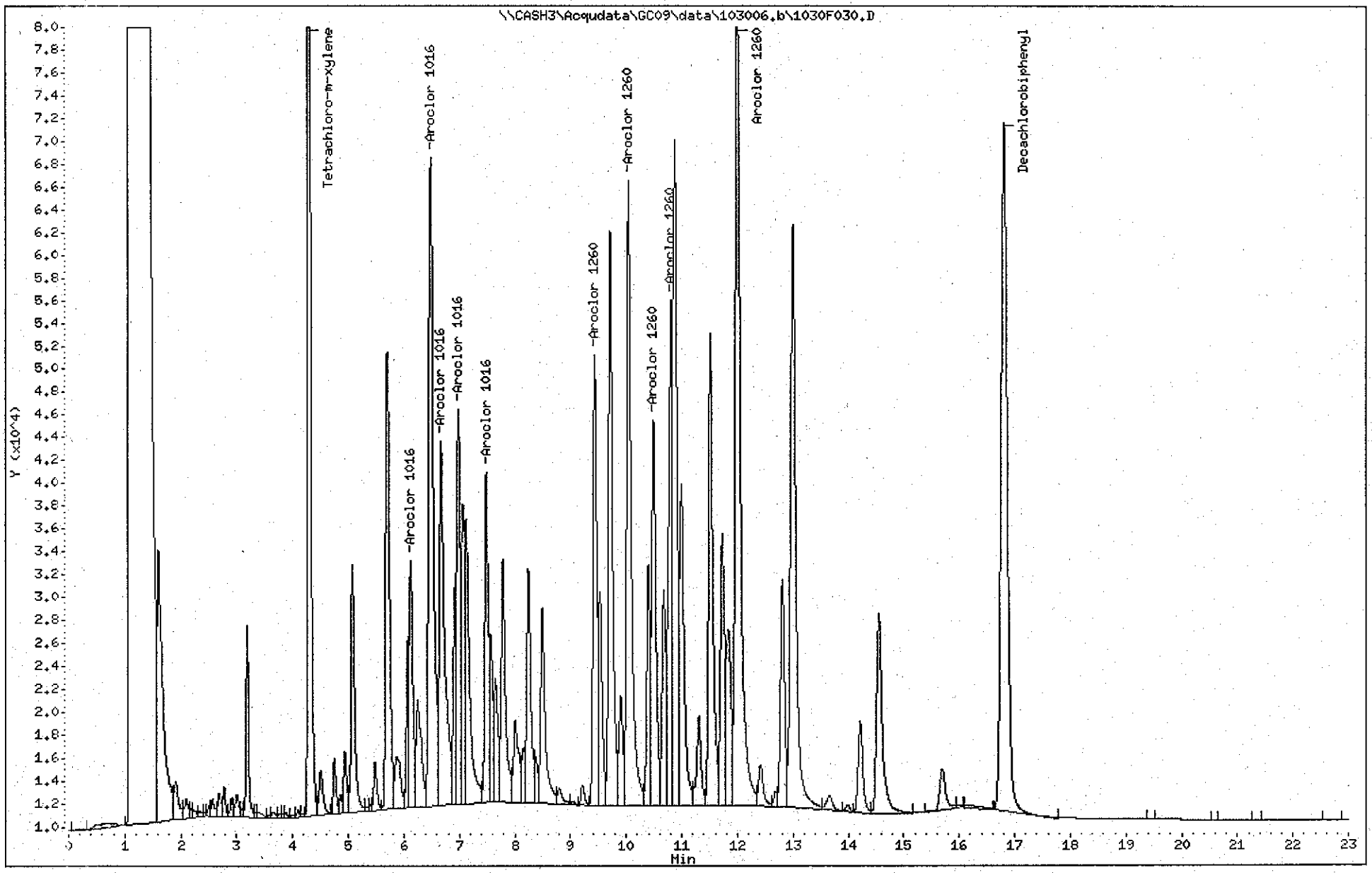
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F030.D
Date : 31-OCT-2006 06:35
Client ID:
Sample Info: KWG0617499-3 | LCS | 8082 PCB | SEDIMENT

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



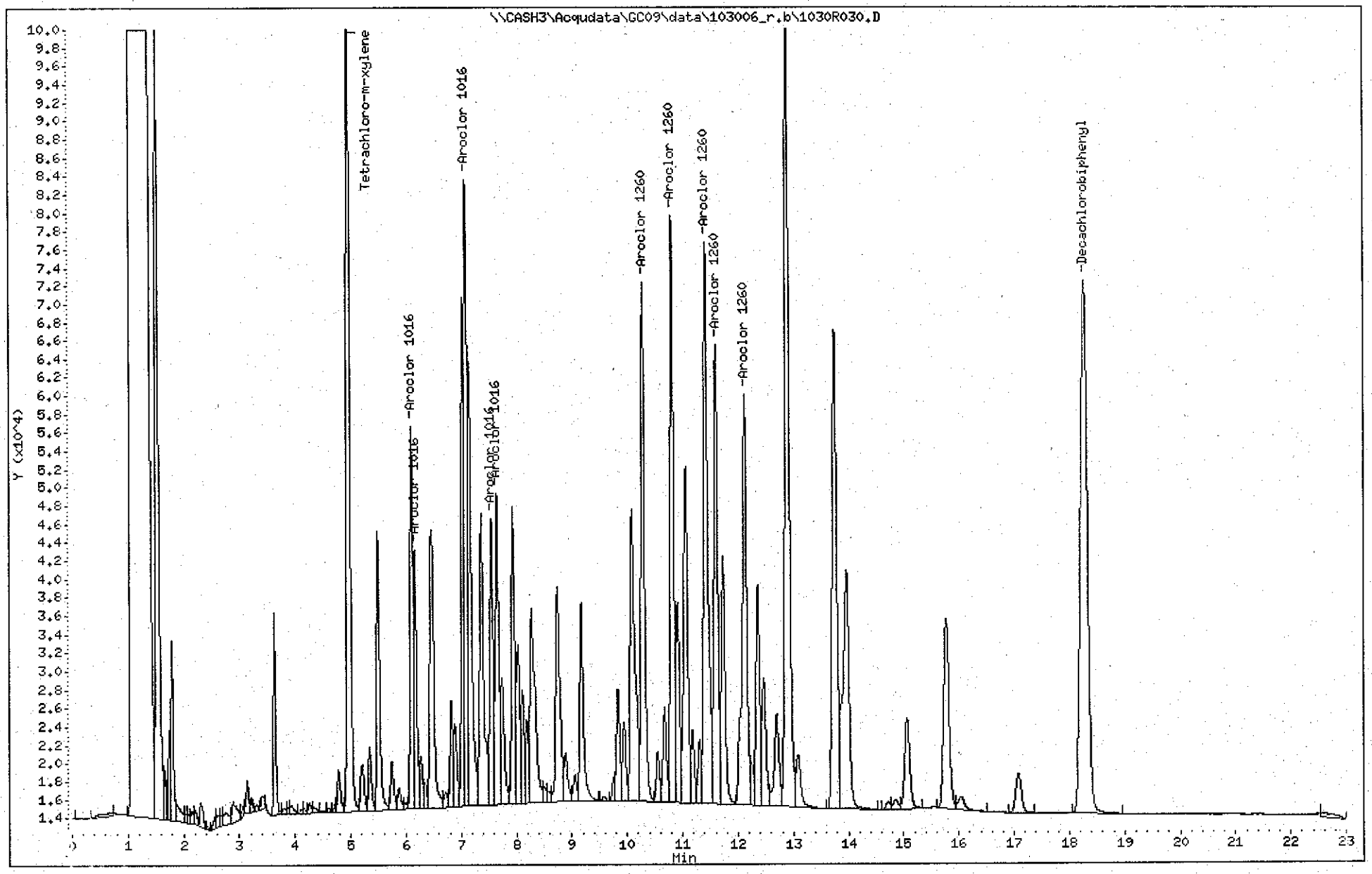
Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R030.D
Date : 31-OCT-2006 06:35
Client ID:
Sample Info: KWG0617499-3 | LCS | 8082 PCB | SEDIMENT

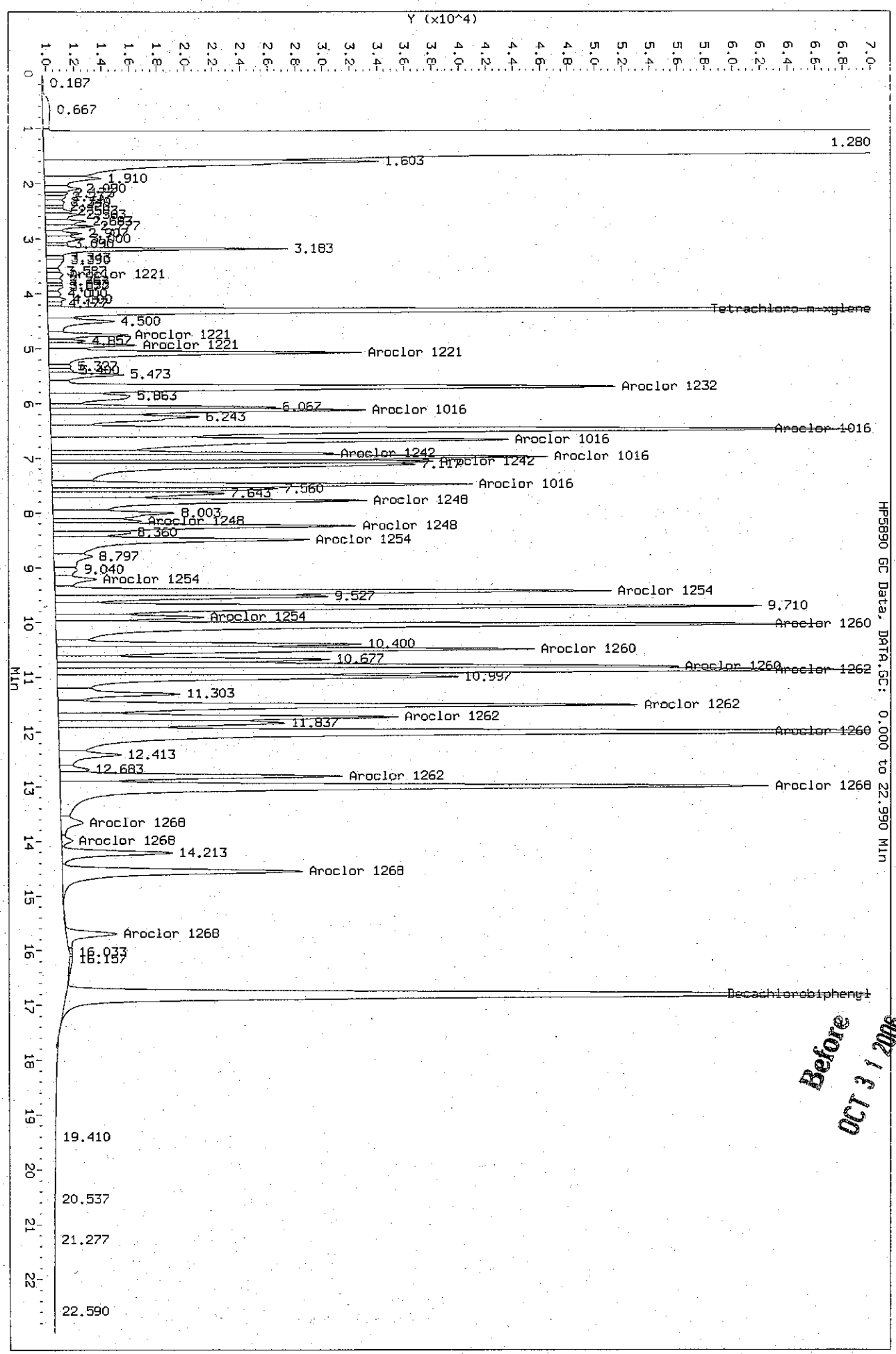
Instrument: GC09.i

Operator: LHarris

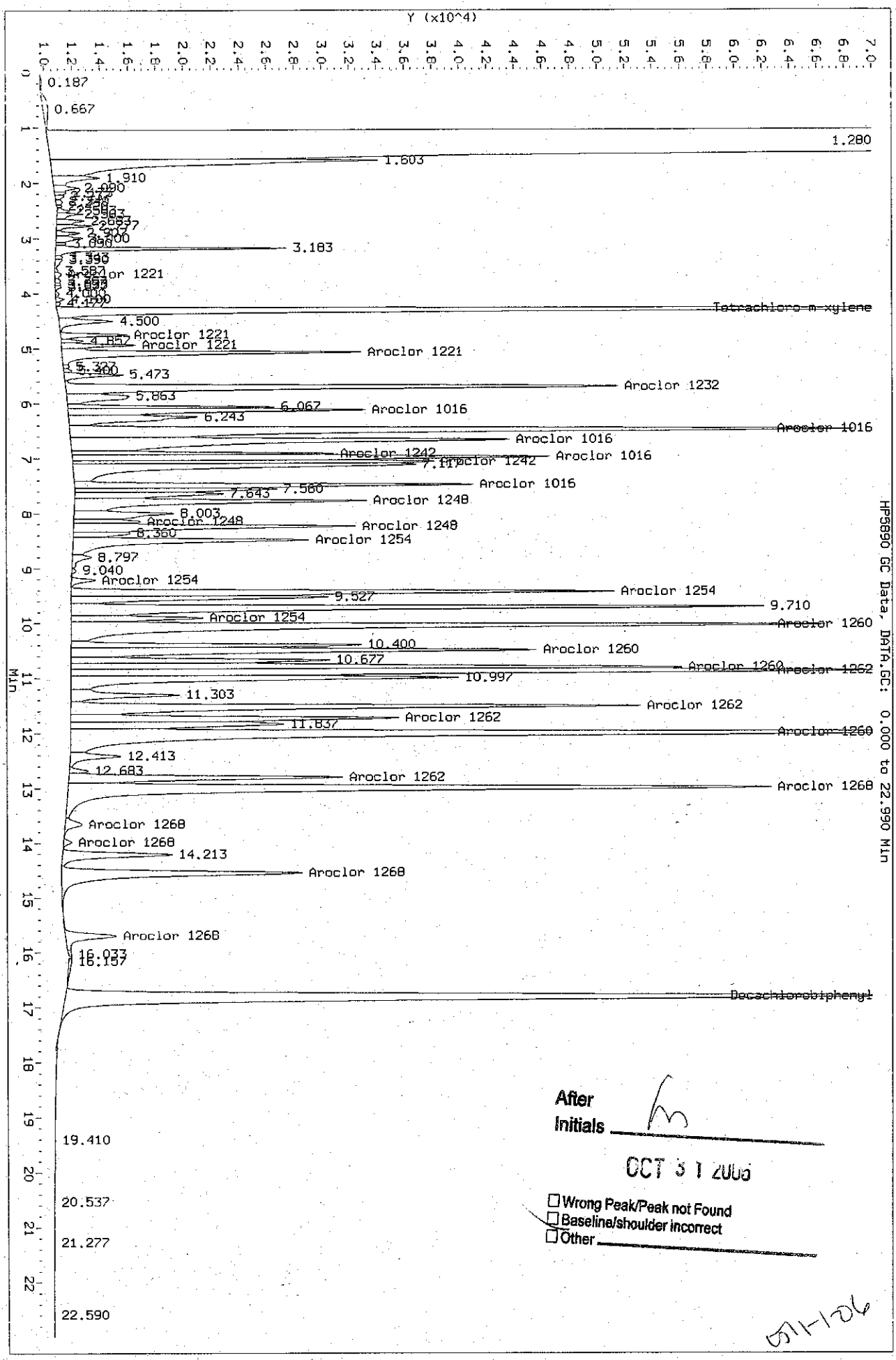
Column phase: DB-XLB

Column diameter: 0.53




Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F030.D
Injection Date: 31-OCT-2006 06:35
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 22.990 Min
Y (x10^4)
Min
0.187
0.667
1.280
1.603
1.910
2.090
3.183
Aroclor 1221
Tetrachloro-m-xylene
4.500
Aroclor 1221
4.852
Aroclor 1221
Aroclor 1221
5.327
5.473
Aroclor 1232
5.863
6.067
Aroclor 1016
6.243
Aroclor 1016
Aroclor 1016
Aroclor 1242
Aroclor 1016
7.1
Aroclor 1242
Aroclor 1016
7.643
7.560
Aroclor 1248
8.003
Aroclor 1248
Aroclor 1248
8.360
Aroclor 1254
8.797
9.040
Aroclor 1254
Aroclor 1254
9.527
9.710
Aroclor 1254
Aroclor 1260
10.400
Aroclor 1260
10.677
Aroclor 1260
Aroclor 1262
10.997
11.303
Aroclor 1262
Aroclor 1262
11.837
Aroclor 1260
12.413
12.683
Aroclor 1262
Aroclor 1268
Aroclor 1268
Aroclor 1268
14.213
Aroclor 1268
Aroclor 1268
16.033
16.157
Decachlorobiphenyl
19.410
20.537
21.277
22.590
Before
OCT 31 2006

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F030.D
Injection Date: 31-OCT-2006 06:35
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.CC: 0.000 to 22.990 Min

After
Initials

OCT 31 2006

☐ Wrong Peak/Peak not Found
☐ Baseline/shoulder incorrect
☐ Other

11-1-06

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Standards Data

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-35MS

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\102706.B\1026F003.D	H	\\Cash3\Acqudata\GC09\data\102706.B\1026F015.D
B	\\Cash3\Acqudata\GC09\data\102706.B\1026F004.D	I	\\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
C	\\Cash3\Acqudata\GC09\data\102706.B\1026F005.D	J	\\Cash3\Acqudata\GC09\data\102706.B\1026F023.D
D	\\Cash3\Acqudata\GC09\data\102706.B\1026F006.D	K	\\Cash3\Acqudata\GC09\data\102706.B\1026F027.D
E	\\Cash3\Acqudata\GC09\data\102706.B\1026F007.D	L	\\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
F	\\Cash3\Acqudata\GC09\data\102706.B\1026F008.D	M	\\Cash3\Acqudata\GC09\data\102706.B\1026F035.D
G	\\Cash3\Acqudata\GC09\data\102706.B\1026F011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	6400	B	5.0	6410	C	50	6240	D	100	5810	E	200	5420
	F	500	4700												
Aroclor 1016 {1}	A	25	121	B	50	118	C	500	121	D	1000	114	E	2000	110
	F	5000	94.6												
Aroclor 1016 {2}	A	25	624	B	50	604	C	500	550	D	1000	502	E	2000	461
	F	5000	392												
Aroclor 1016 {3}	A	25	256	B	50	244	C	500	249	D	1000	225	E	2000	209
	F	5000	179												
Aroclor 1016 {4}	A	25	233	B	50	227	C	500	204	D	1000	186	E	2000	178
	F	5000	152												
Aroclor 1016 {5}	A	25	193	B	50	184	C	500	171	D	1000	160	E	2000	147
	F	5000	126												
Aroclor 1260 {1}	A	25	306	B	50	286	C	500	263	D	1000	240	E	2000	222
	F	5000	193												
Aroclor 1260 {2}	A	25	464	B	50	457	C	500	404	D	1000	365	E	2000	336
	F	5000	292												

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}	A	25	226	B	50	218	C	500	214	D	1000	201	E	2000	188
	F	5000	167												
Aroclor 1260 {4}	A	25	422	B	50	407	C	500	404	D	1000	390	E	2000	360
	F	5000	325												
Aroclor 1260 {5}	A	25	492	B	50	523	C	500	546	D	1000	516	E	2000	497
	F	5000	450												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-35MS

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	11.5		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	8.8		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	16.9		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	12.8		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.7		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	15.1		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	16.6		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	17.7		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	10.9		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	9.4		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	6.5		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006
Date Analyzed: 10/28/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5744
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F038.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F043.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F044.D
\\Cash3\Acqudata\GC09\data\102706.B\1026F045.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	940	NA	NA	NA	6	± 15 %	NA
Aroclor 1016 {1}	1000	970	113	110	-3	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	910	522	475	-9	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	950	227	217	-5	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	910	197	178	-9	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	930	163	152	-7	NA	± 100 %	AverageRF
Aroclor 1260	1000	920	NA	NA	NA	8	± 15 %	NA
Aroclor 1260 {1}	1000	850	252	215	-15	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	900	386	347	-10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	930	202	188	-7	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	790	385	306	-21	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	504	555	10	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† SPCC Compound ‡ CCC Compound

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-XLB

Level ID	File ID	Level ID	File ID
A	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R003.D	H	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R015.D
B	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R004.D	I	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R019.D
C	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R005.D	J	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R023.D
D	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R006.D	K	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R027.D
E	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R007.D	L	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R031.D
F	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R008.D	M	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R035.D
G	\\Cash3\Acqudata\GC09\data\102706_r.b\1026R011.D		

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Decachlorobiphenyl	A	2.5	7910	B	5.0	7830	C	50	6840	D	100	6250	E	200	5730
	F	500	4860												
Aroclor 1016 {1}	A	25	211	B	50	212	C	500	192	D	1000	179	E	2000	161
	F	5000	128												
Aroclor 1016 {2}	A	25	128	B	50	128	C	500	135	D	1000	127	E	2000	113
	F	5000	99.4												
Aroclor 1016 {3}	A	25	463	B	50	435	C	500	374	D	1000	366	E	2000	313
	F	5000	274												
Aroclor 1016 {4}	A	25	180	B	50	161	C	500	162	D	1000	151	E	2000	135
	F	5000	114												
Aroclor 1016 {5}	A	25	218	B	50	195	C	500	181	D	1000	167	E	2000	153
	F	5000	131												
Aroclor 1260 {1}	A	25	371	B	50	370	C	500	330	D	1000	299	E	2000	270
	F	5000	232												
Aroclor 1260 {2}	A	25	416	B	50	407	C	500	363	D	1000	330	E	2000	298
	F	5000	257												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF	Level ID	Amt	RF
Aroclor 1260 {3}	A	25	443	B	50	443	C	500	455	D	1000	427	E	2000	400
	F	5000	357												
Aroclor 1260 {4}	A	25	225	B	50	224	C	500	250	D	1000	230	E	2000	213
	F	5000	185												
Aroclor 1260 {5}	A	25	298	B	50	311	C	500	301	D	1000	284	E	2000	269
	F	5000	242												

Results flagged with an asterisk (*) indicate values outside control criteria.

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006

Initial Calibration Summary
Polychlorinated Biphenyls (PCBs)

Calibration ID: CAL5744
Instrument ID: GC09.i

Column: DB-XLB

Analyte Name	Compound Type	Calibration Evaluation				
		Fit Type	Eval.	Eval. Result	Q	Control Criteria
Decachlorobiphenyl	SURR	AverageRF	% RSD	18.2		≤ 20
Aroclor 1016 {1}	MULTI	AverageRF	% RSD	17.9		≤ 20
Aroclor 1016 {2}	MULTI	AverageRF	% RSD	10.7		≤ 20
Aroclor 1016 {3}	MULTI	AverageRF	% RSD	19.2		≤ 20
Aroclor 1016 {4}	MULTI	AverageRF	% RSD	15.4		≤ 20
Aroclor 1016 {5}	MULTI	AverageRF	% RSD	17.6		≤ 20
Aroclor 1260 {1}	MULTI	AverageRF	% RSD	17.8		≤ 20
Aroclor 1260 {2}	MULTI	AverageRF	% RSD	18.0		≤ 20
Aroclor 1260 {3}	MULTI	AverageRF	% RSD	8.7		≤ 20
Aroclor 1260 {4}	MULTI	AverageRF	% RSD	9.6		≤ 20
Aroclor 1260 {5}	MULTI	AverageRF	% RSD	8.9		≤ 20

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Calibration Date: 10/27/2006
Date Analyzed: 10/28/2006

Second Source Calibration Verification
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082

Calibration ID: CAL5744
Units: ng/mL

File ID:
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R037.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R038.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R039.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R040.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R041.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R042.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R043.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R044.D
\\Cash3\Acqudata\GC09\data\102706_r.b\1026R045.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	SSV RF	%D	%Drift	Criteria	Curve Fit
Aroclor 1016	1000	920	NA	NA	NA	8	± 15 %	NA
Aroclor 1016 {1}	1000	920	180	166	-8	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	122	122	0	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	900	371	334	-10	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	900	150	136	-10	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	900	174	157	-10	NA	± 100 %	AverageRF
Aroclor 1260	1000	970	NA	NA	NA	3	± 15 %	NA
Aroclor 1260 {1}	1000	890	312	278	-11	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	900	345	311	-10	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	870	421	366	-13	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	221	254	15	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	284	292	3	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

† **SPCC Compound** ‡ **CCC Compound**

Sequence Name: D:\GC09\SEQUENCE\102706.S
Comment:
Operator: LHarris
Data Path: D:\GC09\DATA\102706.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

8082
IDL 5744

Line	Type	Vial	DataFile	Method	Sample Name
1	DeleteGC				
2	MaskName -	----r---			
3	IB	1	1027F001	PCB1	IB
4	IB	2	1026F002	PCB1	IB
5	ICAL	31	1026F003	PCB1	1660 @ 25ppb | PCB4-80B | KWG0605028-
6	ICAL	32	1026F004	PCB1	1660 @ 50ppb | PCB4-80C | KWG0605028-
7	ICAL	33	1026F005	PCB1	1660 @ 500ppb | PCB4-80D | KWG0605028
8	ICAL	34	1026F006	PCB1	1660 @ 1000ppb | PCB4-80E | KWG060502
9	ICAL	35	1026F007	PCB1	1660 @ 2000ppb | PCB4-79E | KWG060502
10	ICAL	36	1026F008	PCB1	1660 @ 5000ppb | PCB4-79F | KWG060502
11	ICAL	3	1026F009	PCB1	1221 @ 50ppb | PCB4-77R | KWG0605028-
12	ICAL	4	1026F010	PCB1	1221 @ 500ppb | PCB4-77S | KWG0605028
13	ICAL	5	1026F011	PCB1	1221 @ 1000ppb | PCB4-76C | KWG060502
14	ICAL	6	1026F012	PCB1	1221 @ 2000ppb | PCB4-77T | KWG060502
15	ICAL	7	1026F013	PCB1	1232 @ 50ppb | PCB4-78A | KWG0605028-
16	ICAL	8	1026F014	PCB1	1232 @ 500ppb | PCB4-78B | KWG0605028
17	ICAL	9	1026F015	PCB1	1232 @ 1000ppb | PCB4-76B | KWG060502
18	ICAL	10	1026F016	PCB1	1232 @ 2000ppb | PCB4-78C | KWG060502
19	ICAL	11	1026F017	PCB1	1242 @ 50ppb | PCB4-78D | KWG0605028-
20	ICAL	12	1026F018	PCB1	1242 @ 500ppb | PCB4-78E | KWG0605028
21	ICAL	13	1026F019	PCB1	1242 @ 1000ppb | PCB4-76D | KWG060502
22	ICAL	14	1026F020	PCB1	1242 @ 2000ppb | PCB4-78F | KWG060502
23	ICAL	15	1026F021	PCB1	1248 @ 50ppb | PCB4-78G | KWG0605028-
24	ICAL	16	1026F022	PCB1	1248 @ 500ppb | PCB4-78H | KWG0605028
25	ICAL	17	1026F023	PCB1	1248 @ 1000ppb | PCB4-76E | KWG060502
26	ICAL	18	1026F024	PCB1	1248 @ 2000ppb | PCB4-78I | KWG060502
27	ICAL	19	1026F025	PCB1	1254 @ 50ppb | PCB4-78J | KWG0605028-
28	ICAL	20	1026F026	PCB1	1254 @ 500ppb | PCB4-78K | KWG0605028
29	ICAL	21	1026F027	PCB1	1254 @ 1000ppb | PCB4-76F | KWG060502
30	ICAL	22	1026F028	PCB1	1254 @ 2000ppb | PCB4-78L | KWG060502
31	ICAL	23	1026F029	PCB1	1262 @ 50ppb | PCB4-78M | KWG0605028-
32	ICAL	24	1026F030	PCB1	1262 @ 500ppb | PCB4-78N | KWG0605028
33	ICAL	25	1026F031	PCB1	1262 @ 1000ppb | PCB4-76G | KWG060502
34	ICAL	26	1026F032	PCB1	1262 @ 2000ppb | PCB4-78O | KWG060502
35	ICAL	27	1026F033	PCB1	1268 @ 50ppb | PCB4-78P | KWG0605028-
36	ICAL	28	1026F034	PCB1	1268 @ 500ppb | PCB4-78Q | KWG0605028
37	ICAL	29	1026F035	PCB1	1268 @ 1000ppb | PCB4-76H | KWG060502
38	ICAL	30	1026F036	PCB1	1268 @ 2000ppb | PCB4-78R | KWG060502
39	ICV	37	1026F037	PCB1	1016 @ 1000ppb | PCB4-76P | KWG060502
40	ICV	38	1026F038	PCB1	1221 @ 1000ppb | PCB4-76Q | KWG060502
41	ICV	39	1026F039	PCB1	1232 @ 1000ppb | PCB4-76R | KWG060502
42	ICV	40	1026F040	PCB1	1242 @ 1000ppb | PCB4-76S | KWG060502
43	ICV	41	1026F041	PCB1	1248 @ 1000ppb | PCB4-76T | KWG060502

Sequence Name: D:\GC09\SEQUENCE\102706.S

Line	Type	Vial	DataFile	Method	Sample Name		
44	ICV	42	1026F042	PCB1	1254 @ 1000ppb	PCB4-77A	KWG060502
45	ICV	43	1026F043	PCB1	1260 @ 1000ppb	PCB4-77B	KWG060502
46	ICV	44	1026F044	PCB1	1262 @ 1000ppb	PCB4-77C	KWG060502
47	ICV	45	1026F045	PCB1	1268 @ 1000ppb	PCB4-77D	KWG060502
48	IB	2	1026F046	PCB1	IB		
49	CCV	33	1026F047	PCB1	1660 @ 500ppb	PCB4-80D	

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F002.D
Report Date: 28-Oct-2006 14:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F002.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R002.D
Inj Date : 27-OCT-2006 17:48
Sample Info: IB
Misc Info : SEMIVOA GC\W0605028\2-IB.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

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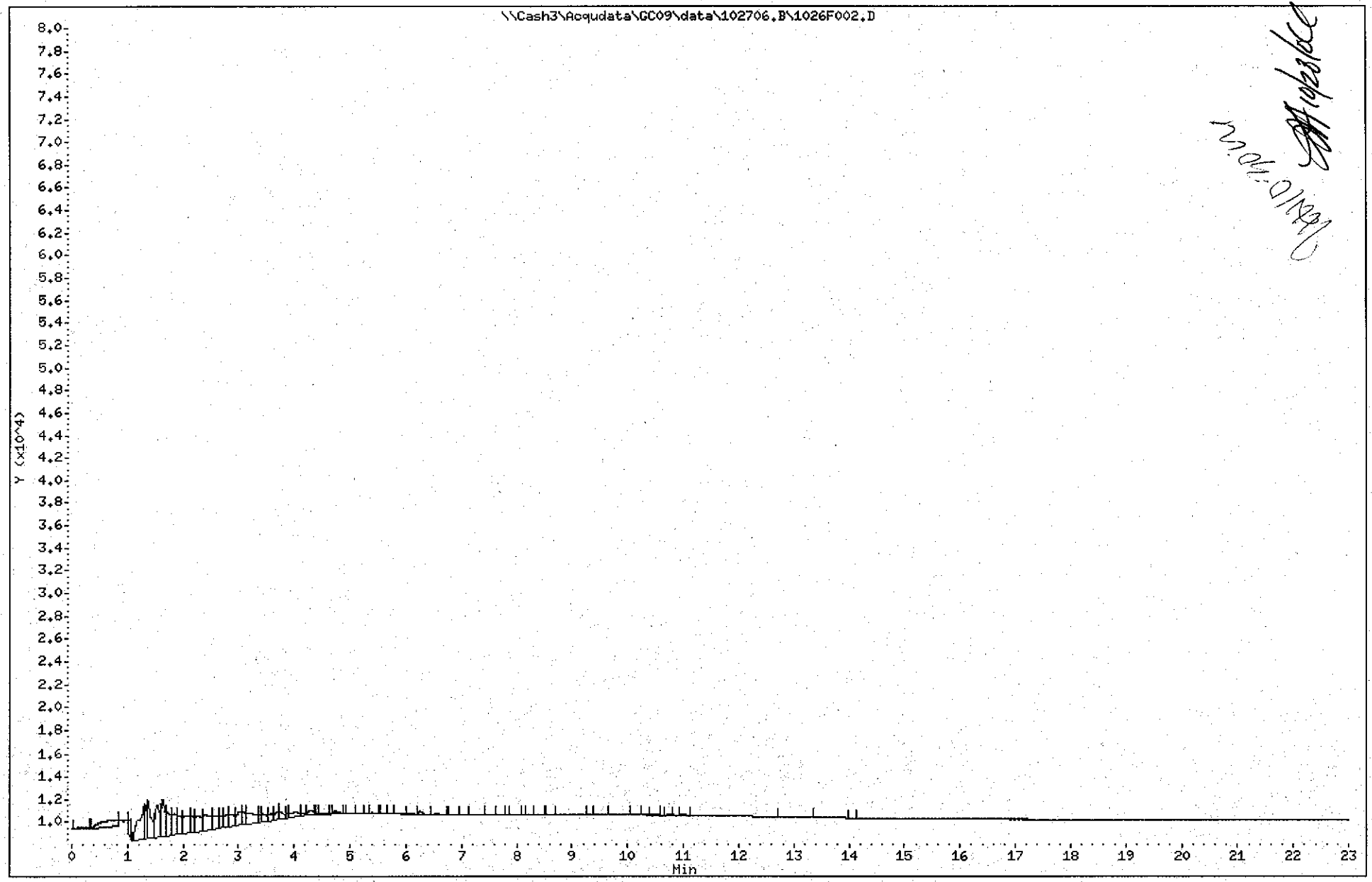
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F002.D
Date : 27-OCT-2006 17:48
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



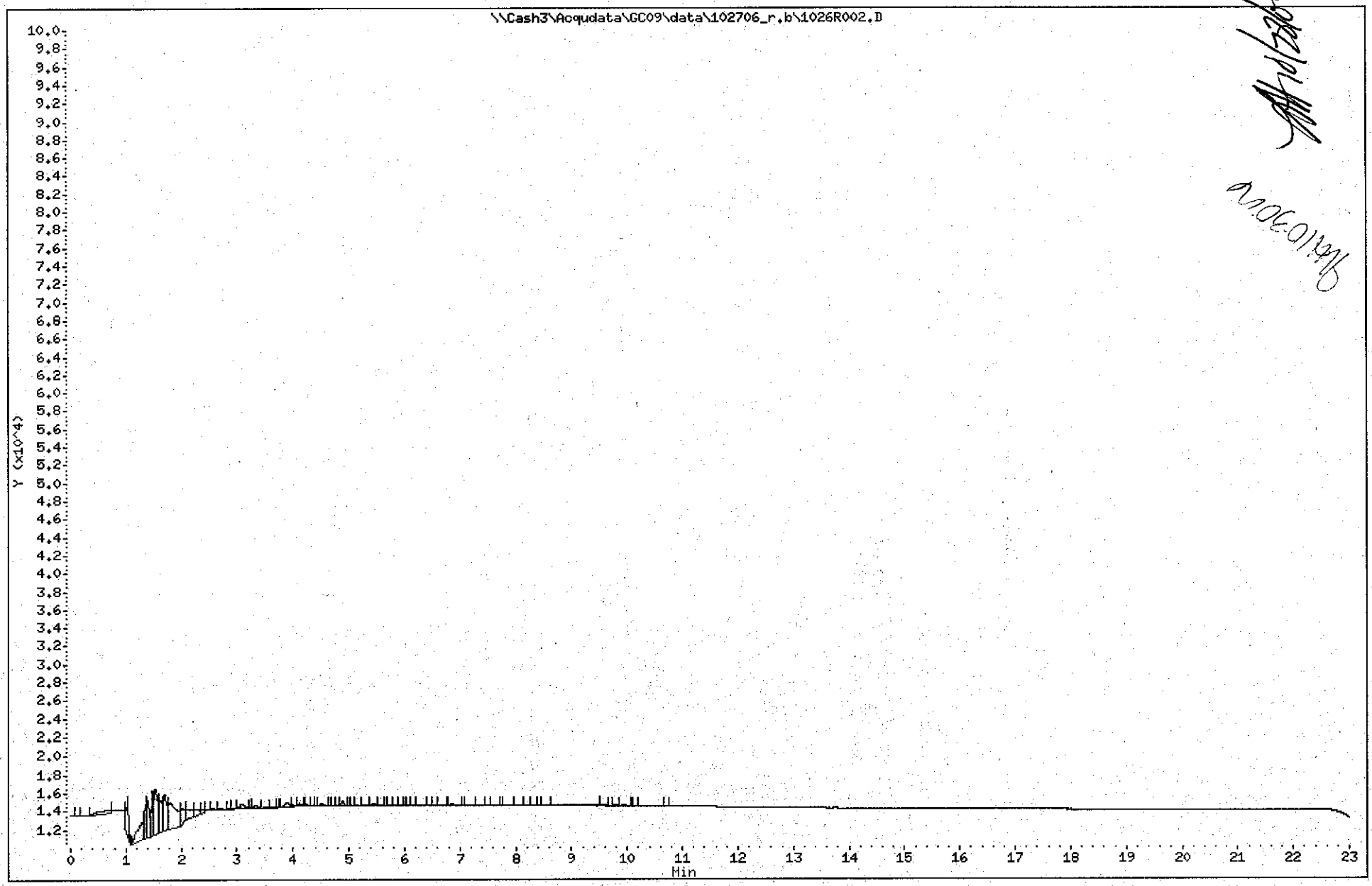
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R002.D
Date : 27-OCT-2006 17:48
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



10/27/06

853

B - 1481

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F003.D
Report Date: 28-Oct-2006 14:15

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F003.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R003.D
Inj Date : 27-OCT-2006 18:15
Sample Info: 1660 @ 25ppb | PCB4-80B | KWG0605028-31
Misc Info : SEMIVOA GC\W0605028\31-ICAL.H
Cal Date : 28-OCT-2006 12:57
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.957	16759	17806	2.91	2.81		100.00(M)
Aroclor 1016	6.120	6.103	3025	5265	27.7	28.9	80.00- 120.00	100.00(M)
	6.483	6.160	15592	3211	31.7	25.8	331.56- 497.34	515.34(M)
	6.667	7.090	6393	11581	27.9	31.2	151.42- 227.13	211.32(M)
	6.980	7.553	5833	4502	30.1	29.9	128.71- 193.06	192.79(M)
	7.480	7.653	4821	5438	29.8	31.2	106.59- 159.88	159.35(M)
		Average of Peak Amounts =			29.4	29.4		
Aroclor 1260	9.430	10.290	7654	9272	30.0	29.1	80.00- 120.00	100.00(M)
	10.037	10.817	11600	10389	29.1	29.6	120.80- 181.20	151.55(M)
	10.493	11.423	5661	11078	27.0	25.6	68.99- 103.49	73.96(M)
	10.807	11.610	10561	5622	27.1	24.4	134.42- 201.63	137.97(M)
	11.990	12.130	12299	7451	23.8	26.2	186.31- 279.46	160.68(M)
		Average of Peak Amounts =			27.4	27.0		
Decachlorobiphenyl	16.817	18.283	15993	19779	2.72	3.01		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

10/28/06

10-30-06

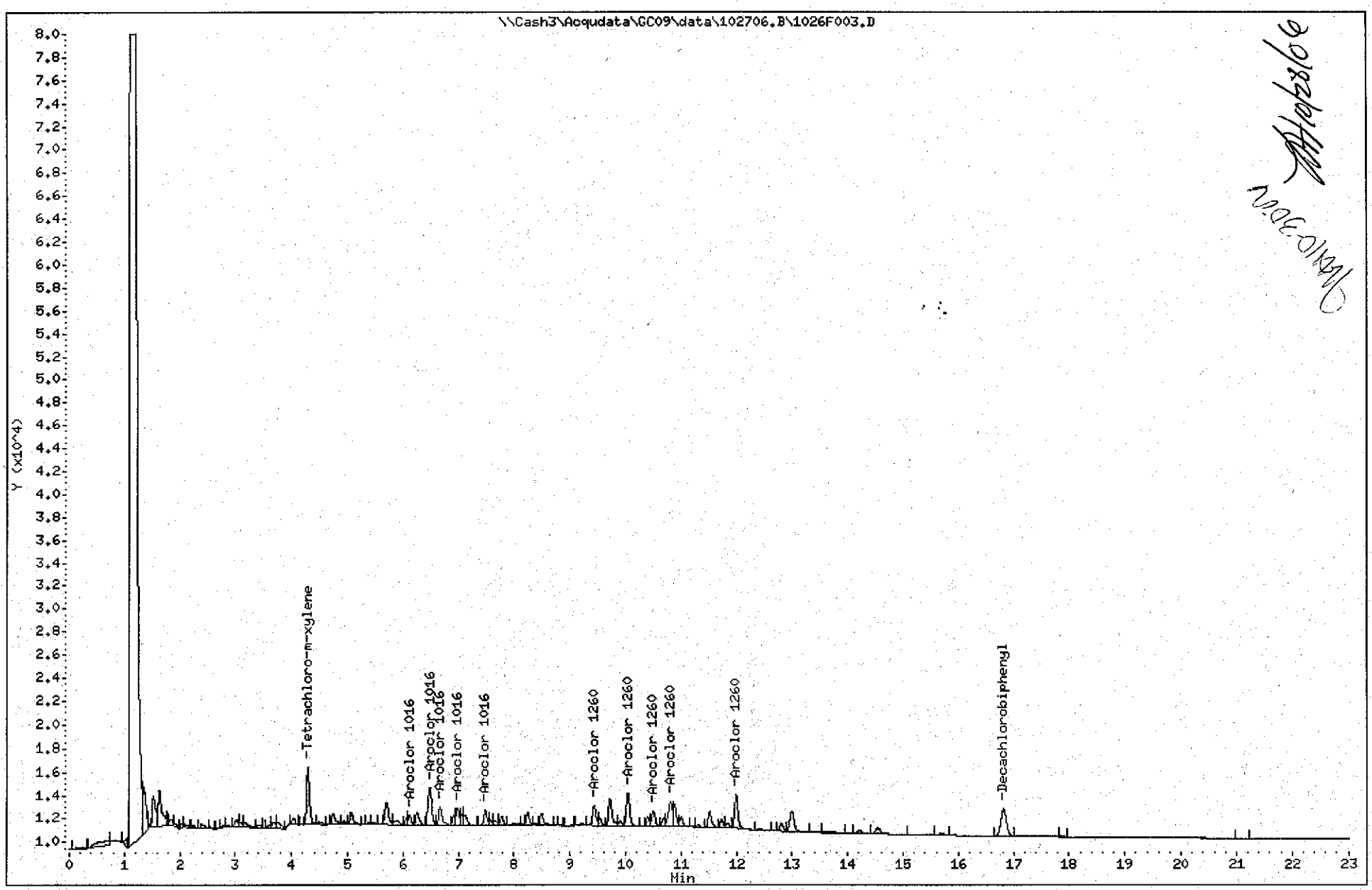
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F003.D
Date : 27-OCT-2006 18:15
Client ID:
Sample Info: 1660 @ 25ppb | PCB4-80B | KWG0605028-31

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



855

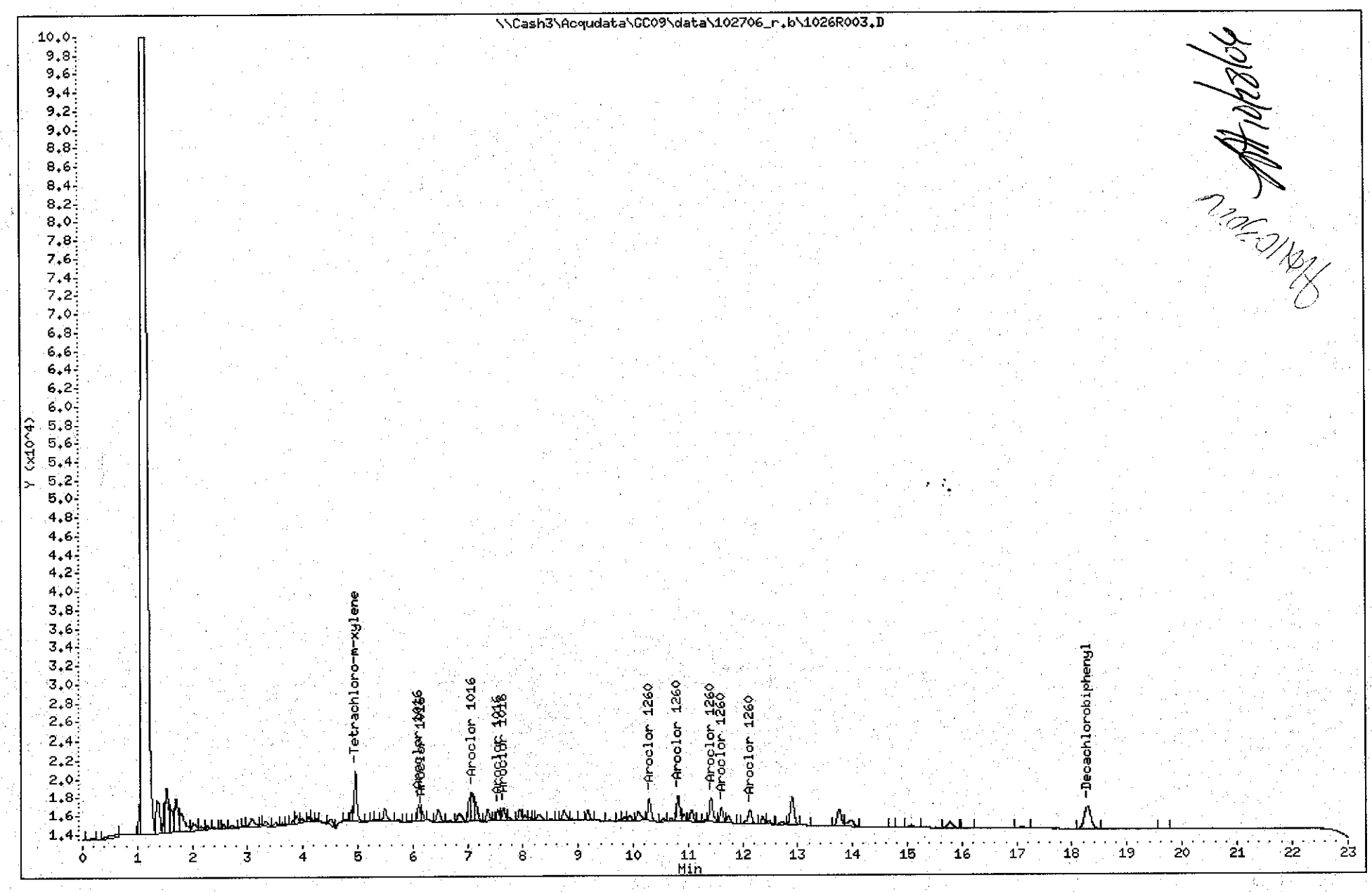
B - 1483

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R003.D
Date : 27-OCT-2006 18:15
Client ID:
Sample Info: 1660 @ 25ppb | PCB4-80B | KWG0605028-31

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB

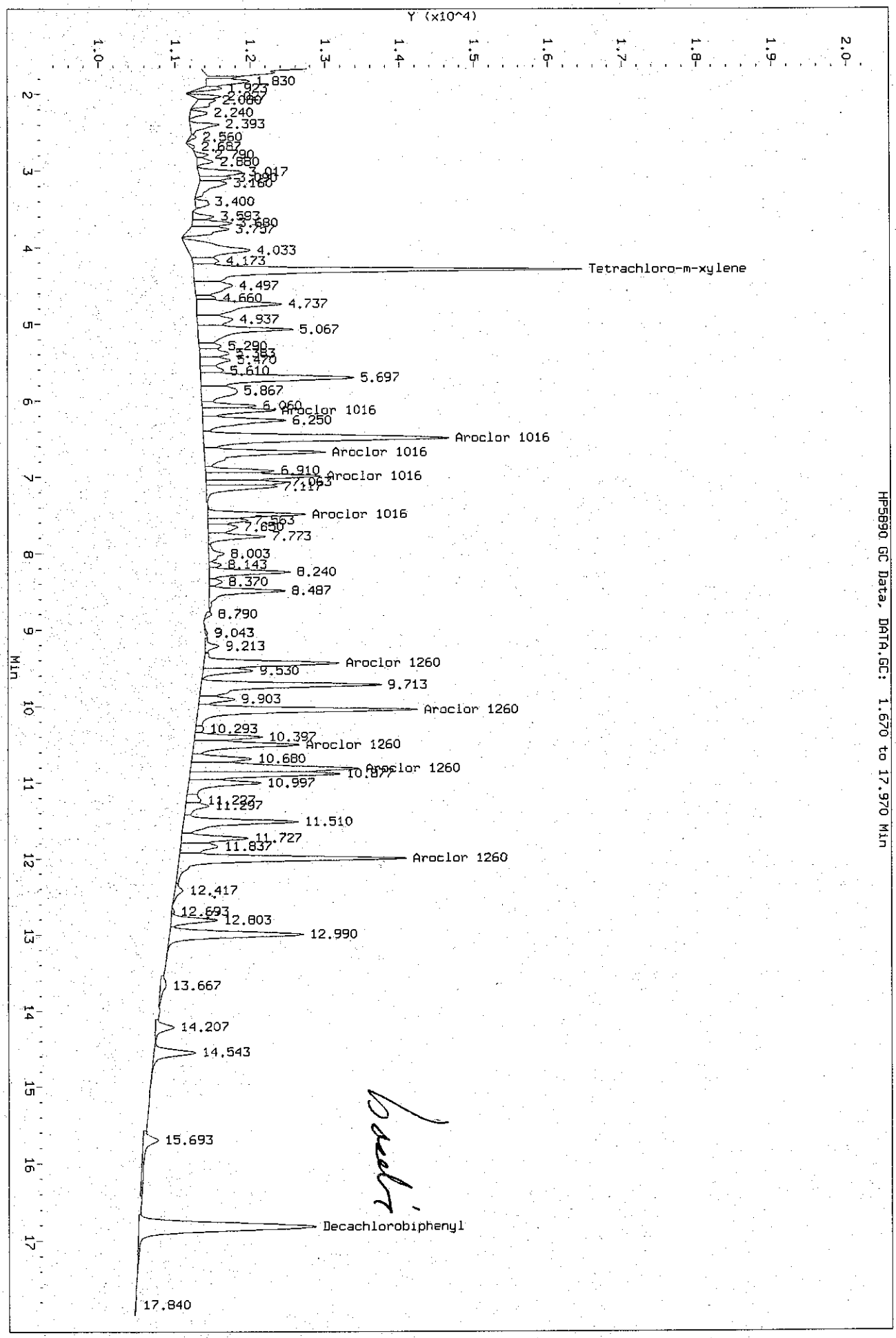


856

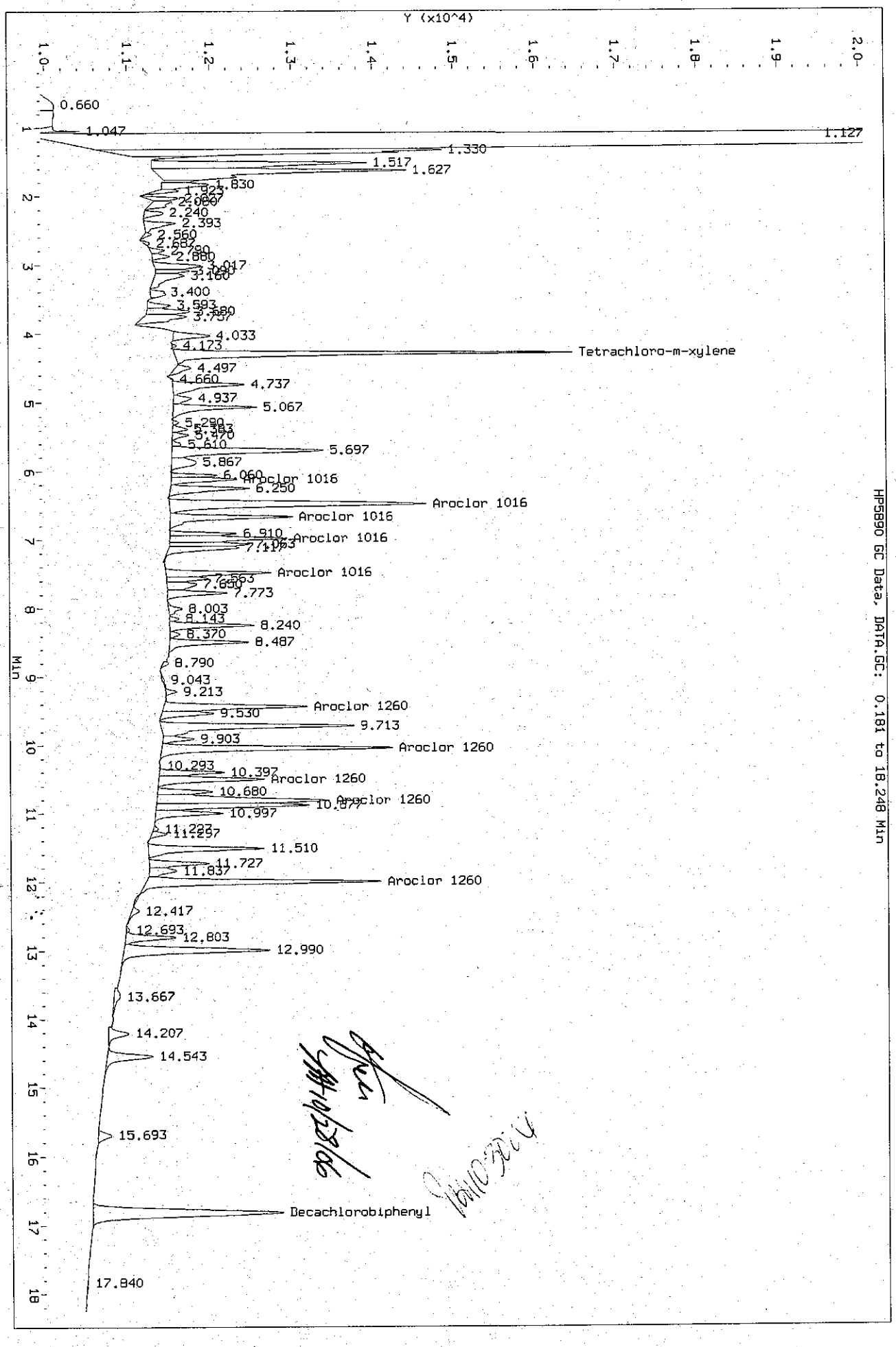
B - 1484

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F003.D
Injection Date: 27-OCT-2006 18:15
Instrument: GC09.i
Client Sample ID:

HP5890 GC Data, DATA.GC: 1.670 to 17.970 Min

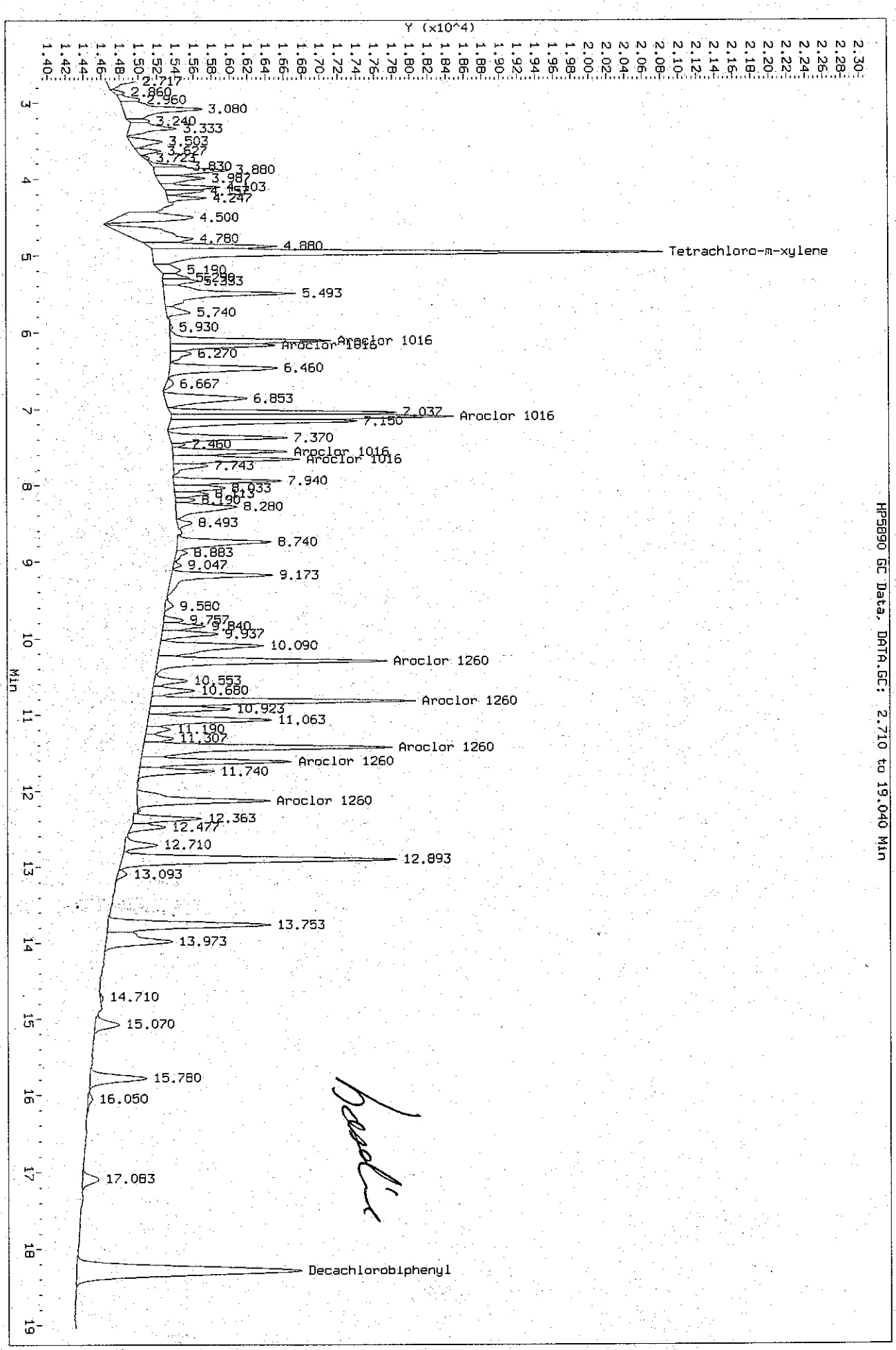


Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F003.D
Injection Date: 27-OCT-2006 18:15
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.181 to 18.248 Min

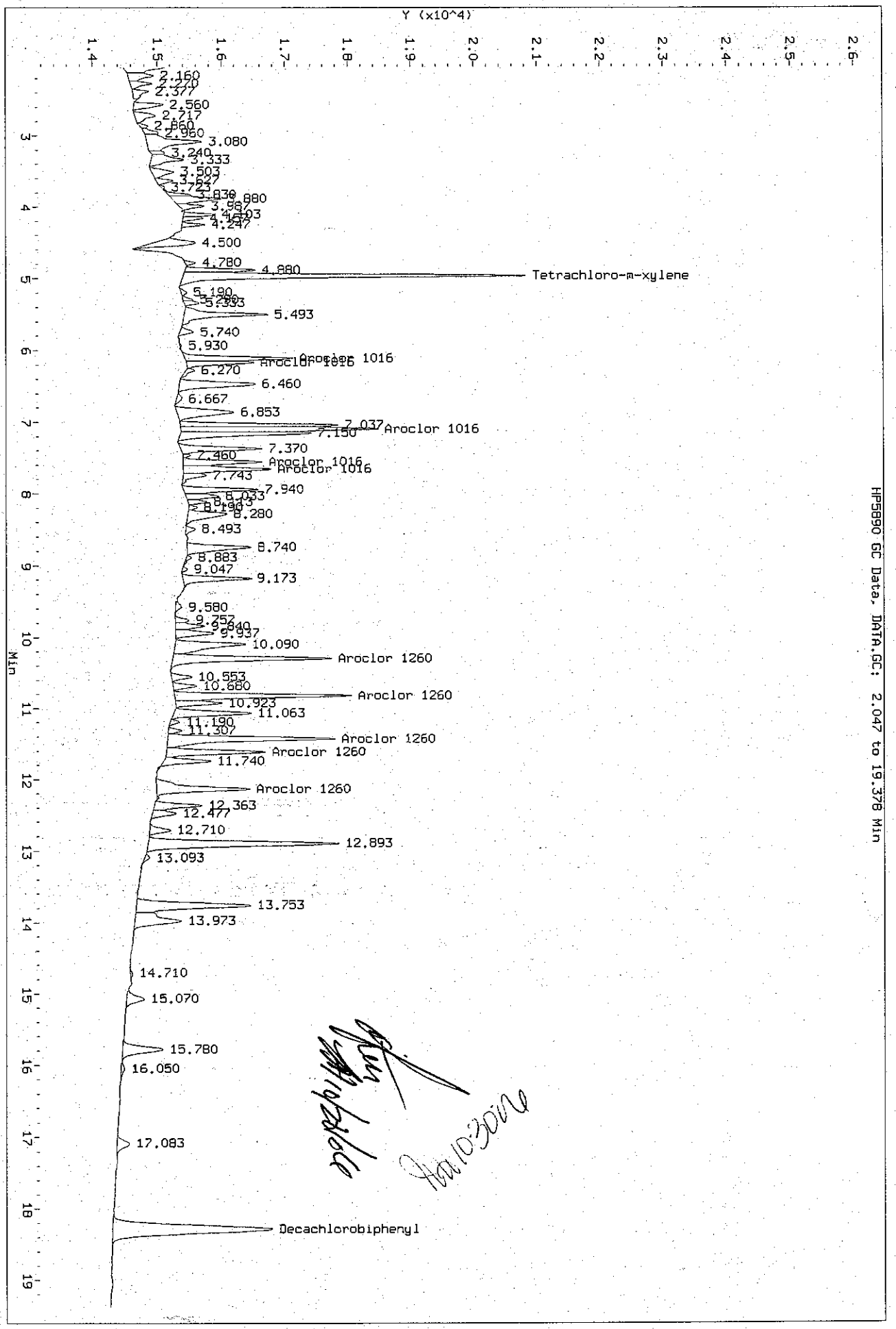
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R003.D
Injection Date: 27-OCT-2006 18:15
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 2.710 to 19.040 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R003.D
Injection Date: 27-OCT-2006 18:15
Instrument: GC09.i
Client Sample ID:

HP5890 GC Data, DATA.GC; 2.047 to 19.378 Min



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F004.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F004.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R004.D
Inj Date : 27-OCT-2006 18:42
Sample Info: 1660 @ 50ppb | PCB4-80C | KWG0605028-32
Misc Info : SEMIVOA GC\W0605028\32-ICAL.H
Cal Date : 28-OCT-2006 12:57
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.957	31735	35029	5.67	5.52		100.00(M)
Aroclor 1016	6.120	6.103	5893	10620	55.7	58.8	80.00- 120.00	100.00(M)
	6.483	6.163	30214	6378	62.3	52.4	331.56- 497.34	512.71(M)
	6.667	7.090	12217	21748	55.1	58.6	151.42- 227.13	207.32(M)
	6.980	7.553	11348	8033	58.9	53.4	128.71- 193.06	192.56(M)
	7.483	7.653	9195	9730	56.9	55.9	106.59- 159.88	156.03(M)
		Average of Peak Amounts =			57.8	55.8		
Aroclor 1260	9.430	10.290	14313	18476	57.0	59.2	80.00- 120.00	100.00(M)
	10.037	10.817	22862	20373	59.2	59.0	120.80- 181.20	159.72(M)
	10.497	11.423	10893	22168	54.0	52.6	68.99- 103.49	76.11(M)
	10.807	11.610	20372	11203	53.1	50.6	134.42- 201.63	142.33(M)
	11.993	12.130	26171	15564	51.9	54.7	186.31- 279.46	182.84(M)
		Average of Peak Amounts =			55.0	55.2		
Decachlorobiphenyl	16.820	18.290	32062	39128	5.50	5.96		100.00(M)

QC Flag Legend

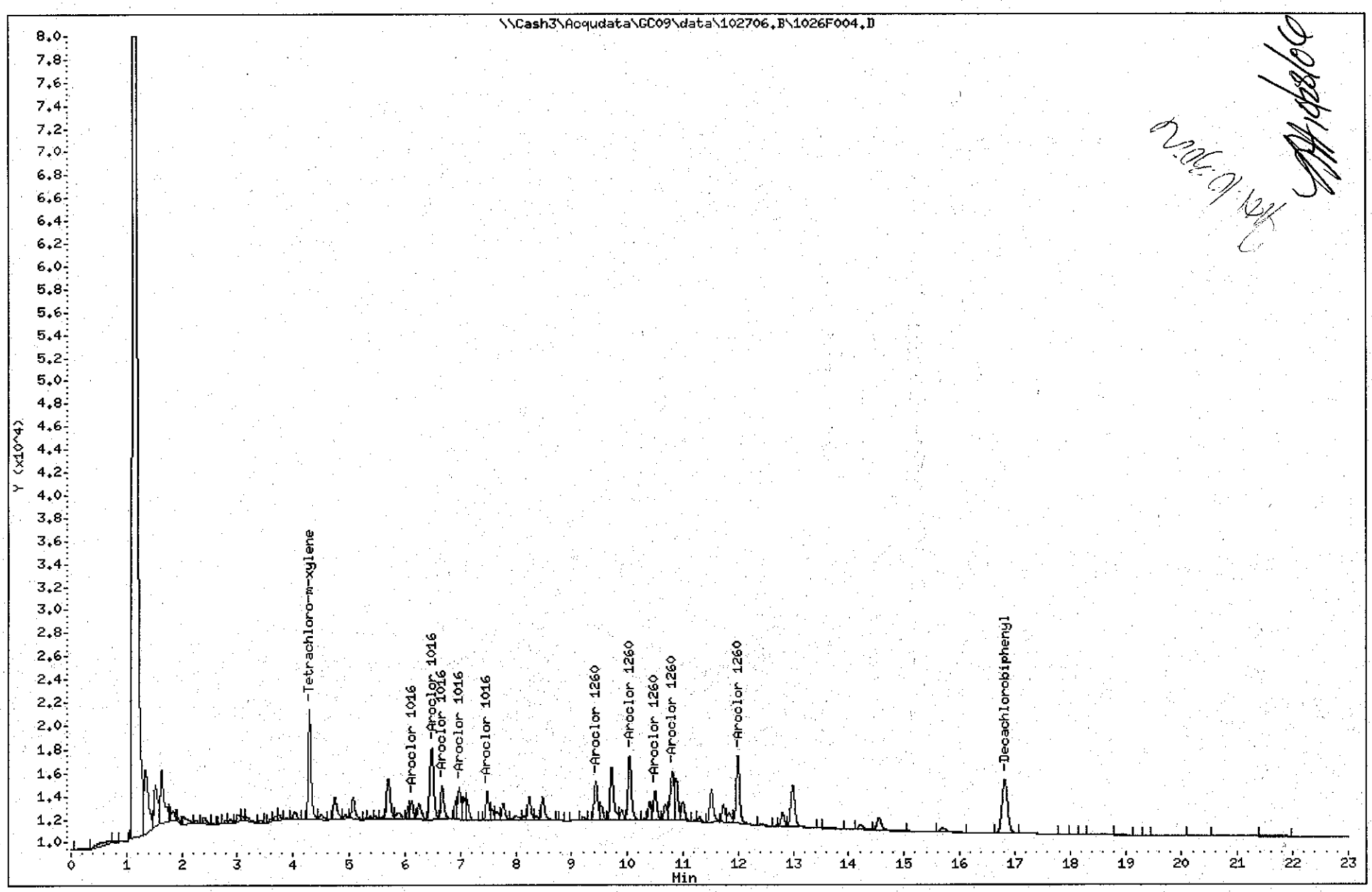
M - Compound response manually integrated.

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F004.D
Date : 27-OCT-2006 18:42
Client ID:
Sample Info: 1660 @ 50ppb | PCB4-80C | KWG0605028-32

Column phase: DB-35HS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



862
B - 1490

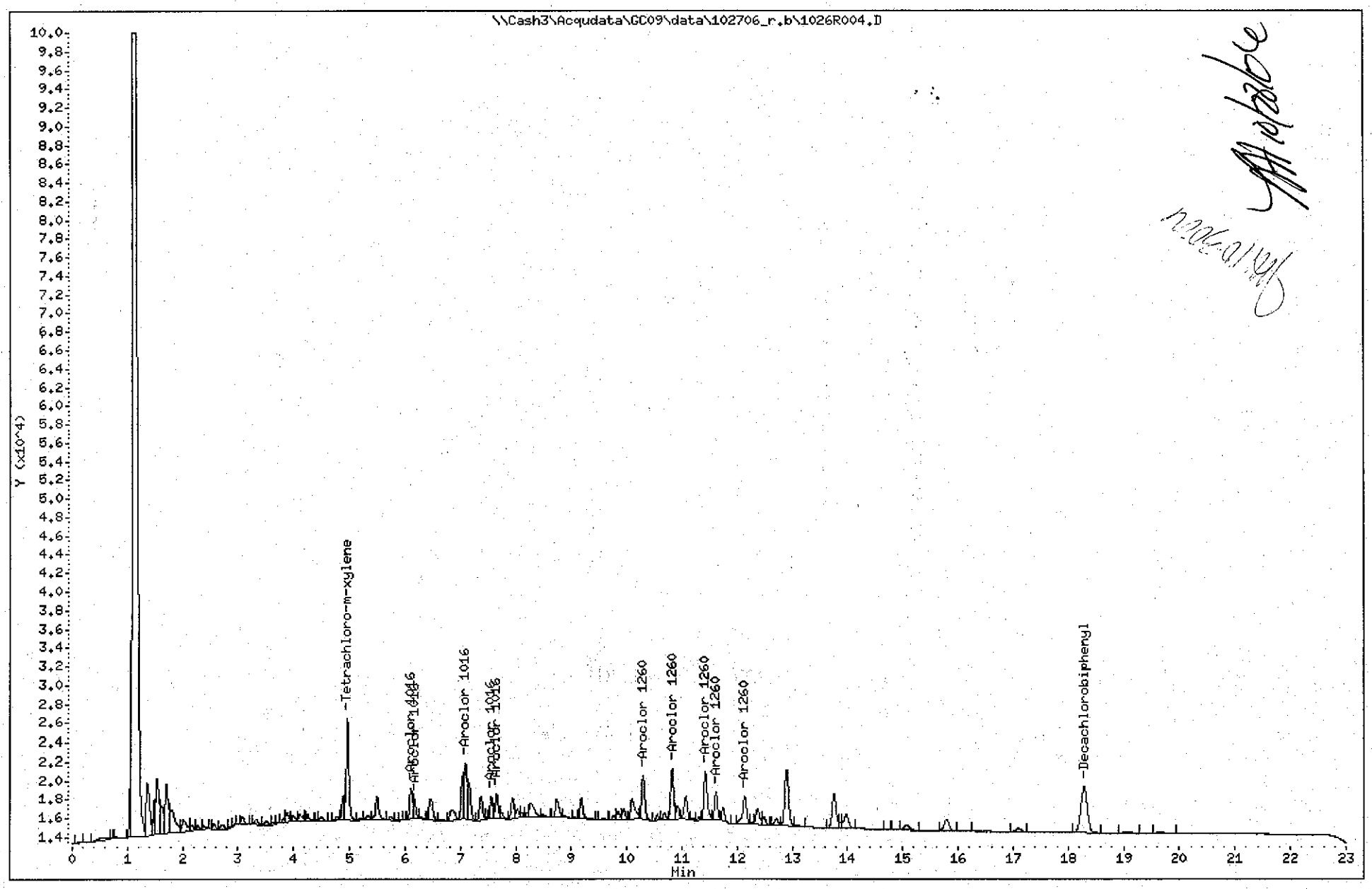
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R004.D
Date : 27-OCT-2006 18:42
Client ID:
Sample Info: 1660 @ 50ppb | PCB4-80C | KWG0605028-32

Instrument: GC09.i

Operator: LHarris

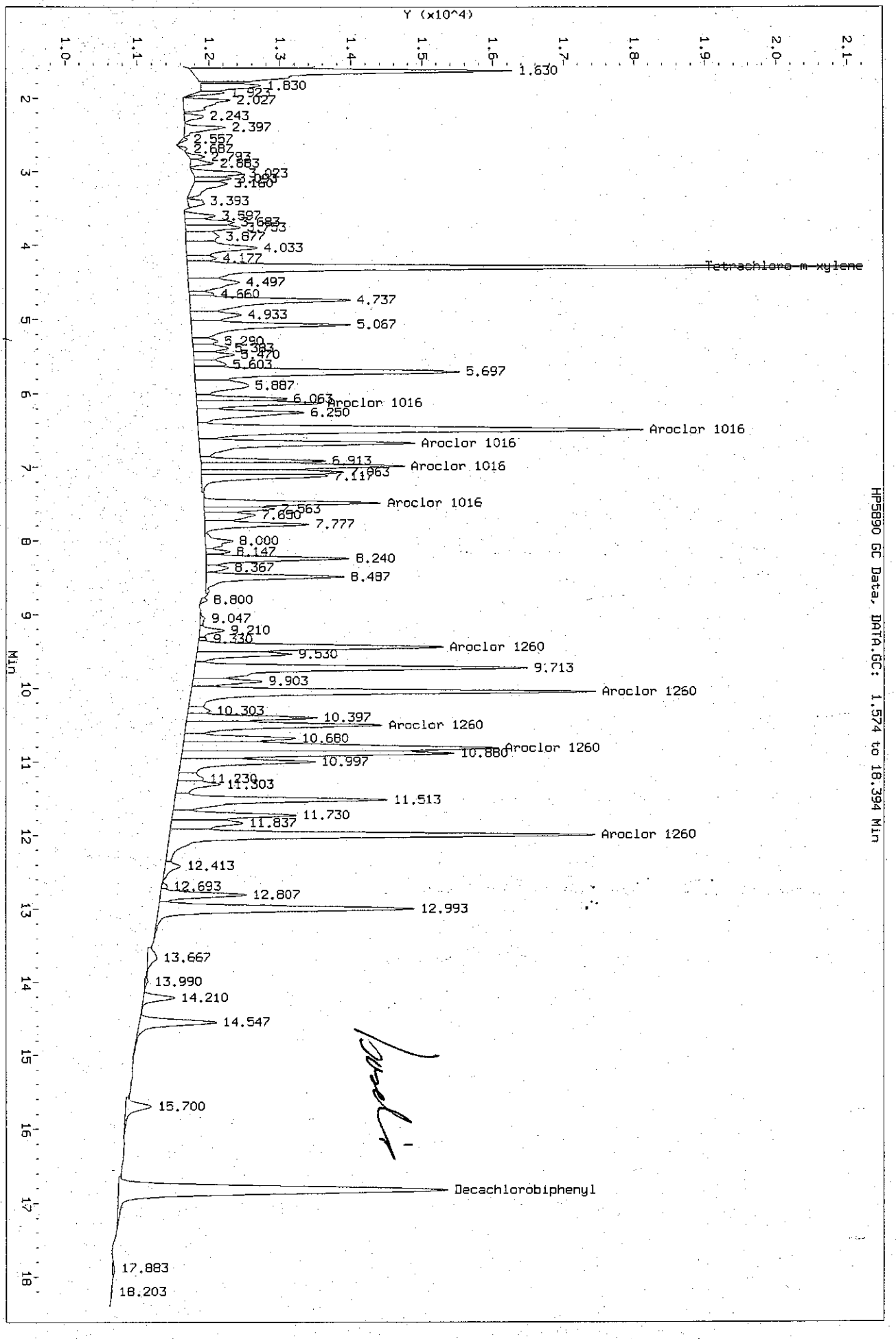
Column phase: DB-XLB

Column diameter: 0.53



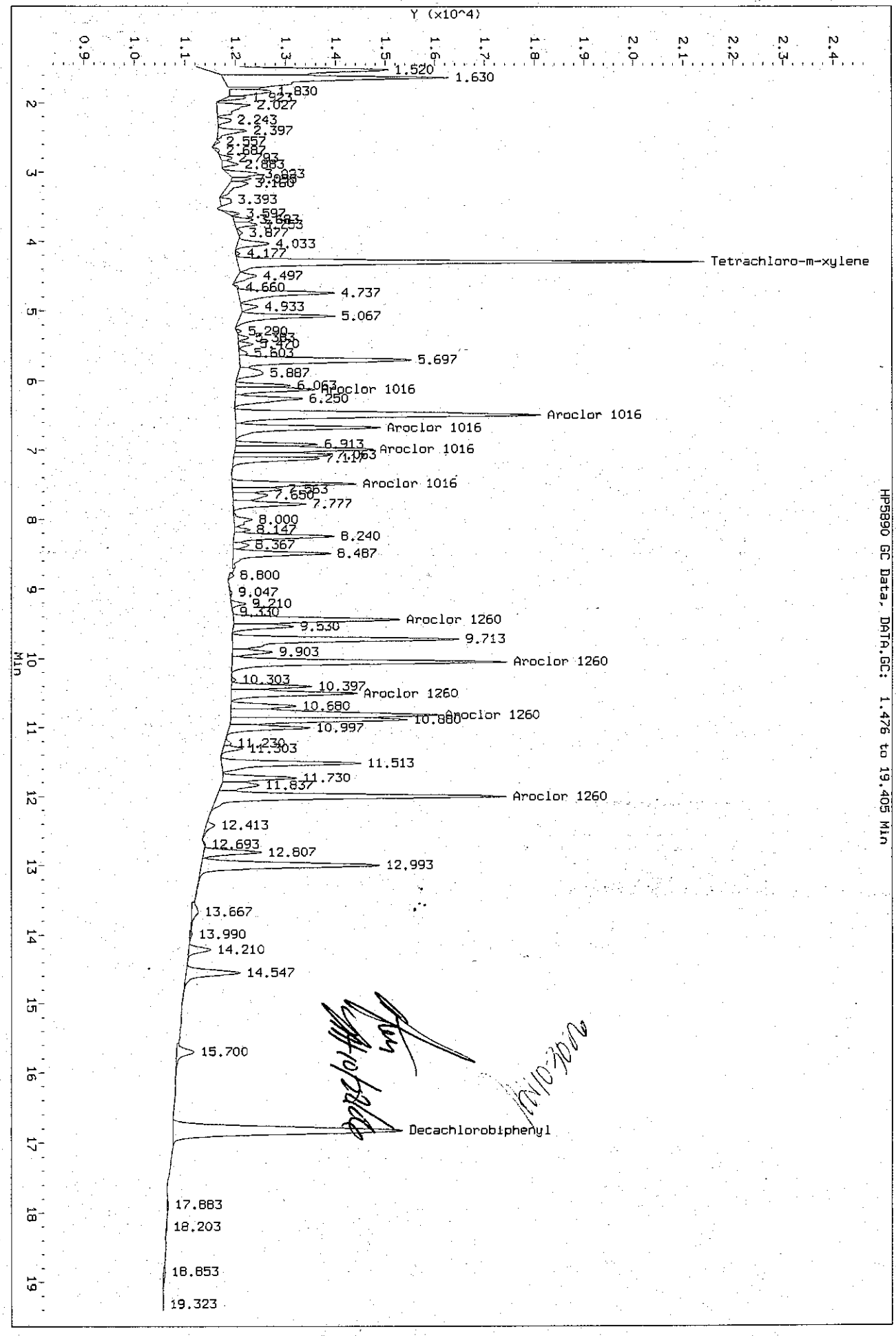
863
B - 1491

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F004.D
Injection Date: 27-OCT-2006 18:42
Instrument: GC09.i
Client Sample ID:



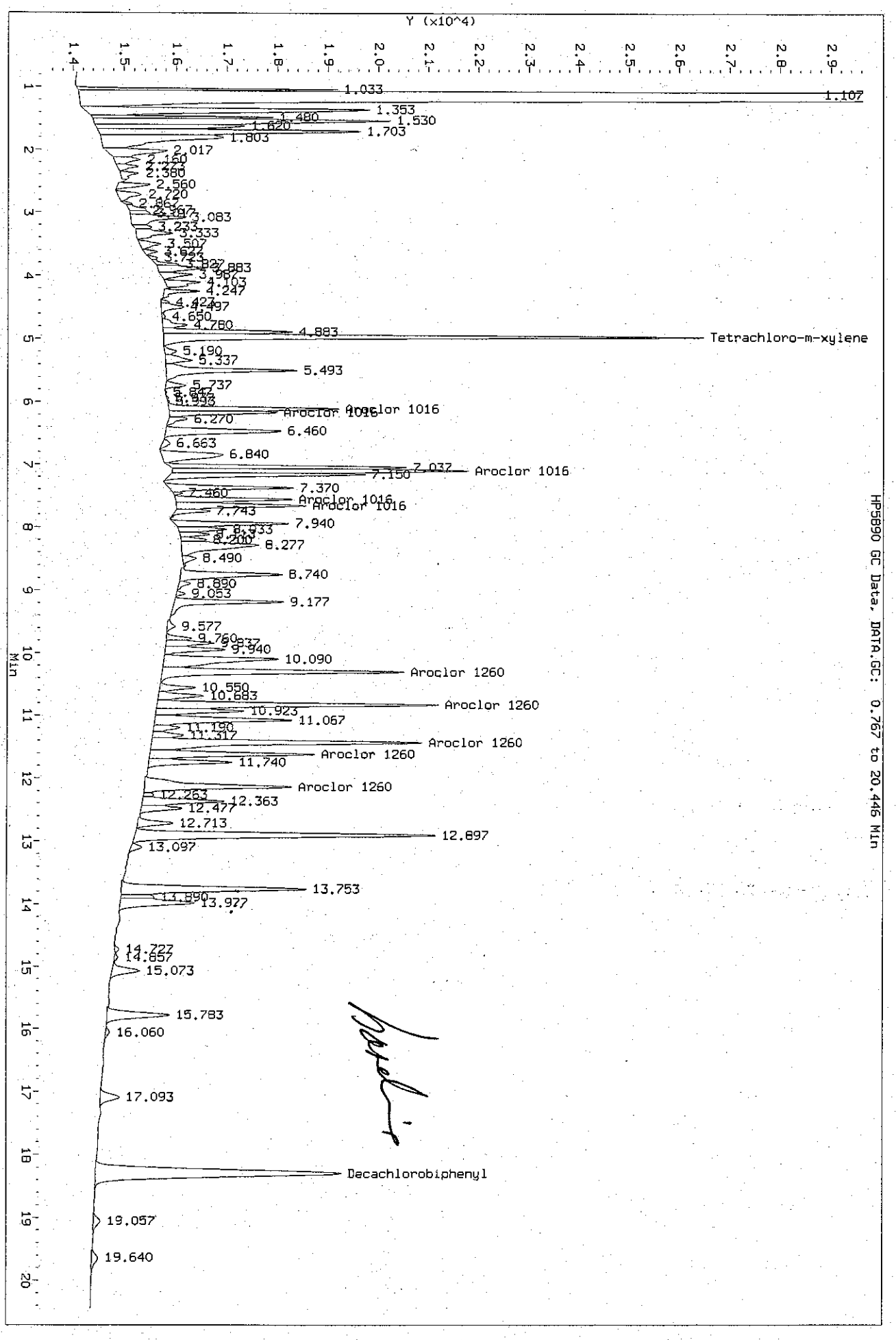
HP5890 GC Data, DATA.GC: 1.574 to 18.394 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F004.D
Injection Date: 27-OCT-2006 18:42
Instrument: GC09.i
Client Sample ID:



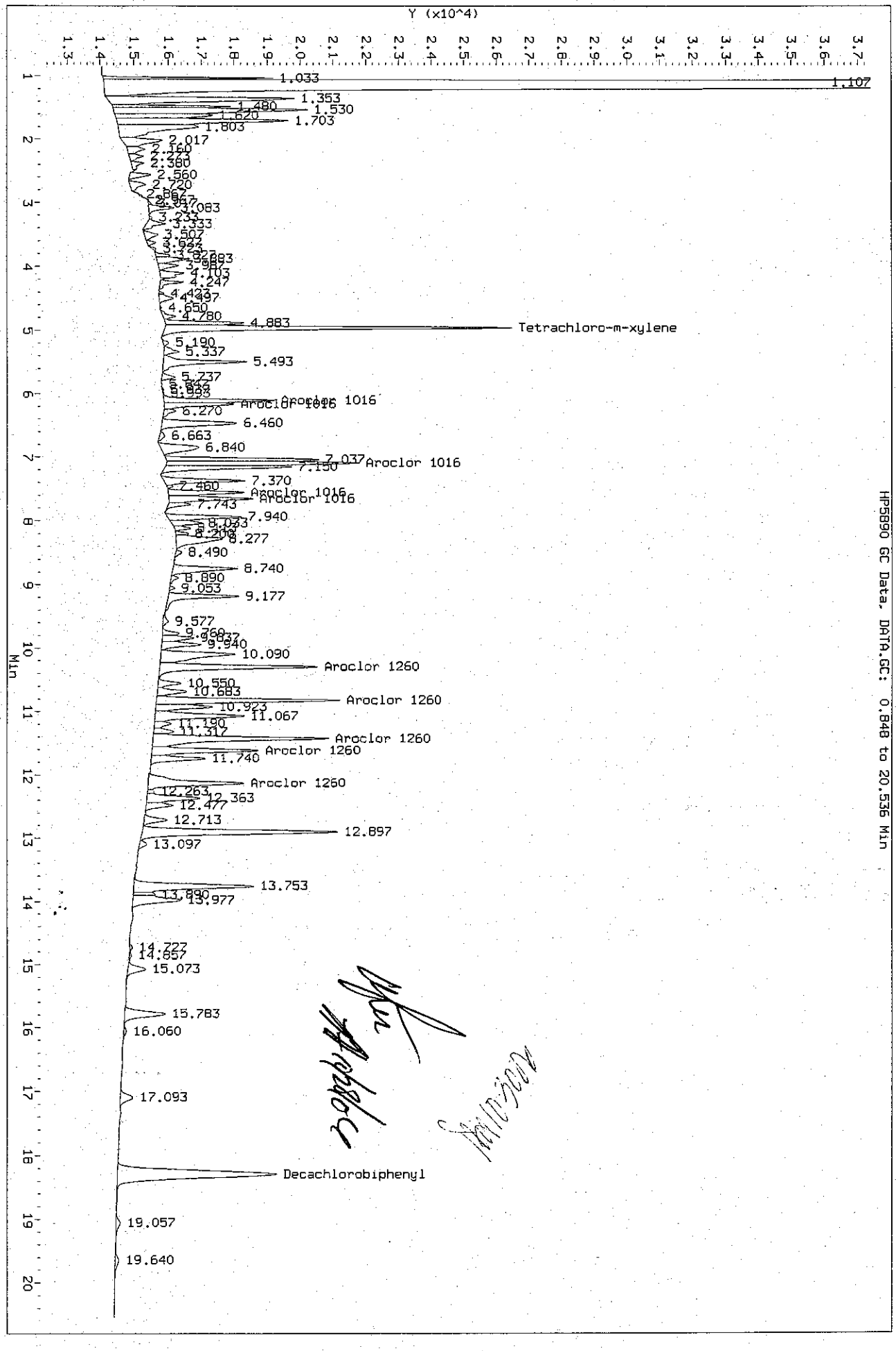
HP5890 GC Data, DATA.GC: 1.476 to 19.405 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R004.D
Injection Date: 27-OCT-2006 18:42
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data. DATA.GC: 0.767 to 20.446 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R004.D
Injection Date: 27-OCT-2006 18:42
Instrument: GC09.I
Client Sample ID:



HP5890 GC Data. DATA.GC: 0.848 to 20.536 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F005.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F005.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R005.D
Inj Date : 27-OCT-2006 19:10
Sample Info: 1660 @ 500ppb | PCB4-80D | KWG0605028-33
Misc Info : SEMIVOA GC\W0605028\33-ICAL.H
Cal Date : 28-OCT-2006 12:57
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.953	282701	332993	51.2	54.7		100.00
Aroclor 1016	6.120	6.100	60489	96005	568	583	80.00- 120.00	100.00
	6.483	6.160	275114	67396	561	480	331.56- 497.34	454.82
	6.667	7.087	124461	186845	566	632	151.42- 227.13	205.76
	6.977	7.550	101947	81228	617	571	128.71- 193.06	168.54
	7.483	7.653	85727	90644	587	575	106.59- 159.88	141.72
		Average of Peak Amounts =			580	568		
Aroclor 1260	9.430	10.287	131331	164816	567	539	80.00- 120.00	100.00
	10.037	10.817	202110	181377	551	535	120.80- 181.20	153.89
	10.497	11.420	106826	227675	457	545	68.99- 103.49	81.34
	10.810	11.610	202182	124918	621	554	134.42- 201.63	153.95
	11.993	12.130	272872	150617	573	475	186.31- 279.46	207.77
		Average of Peak Amounts =			554	530		
Decachlorobiphenyl	16.820	18.287	312018	341791	57.9	54.8		100.00

10/28/06
10/30/06

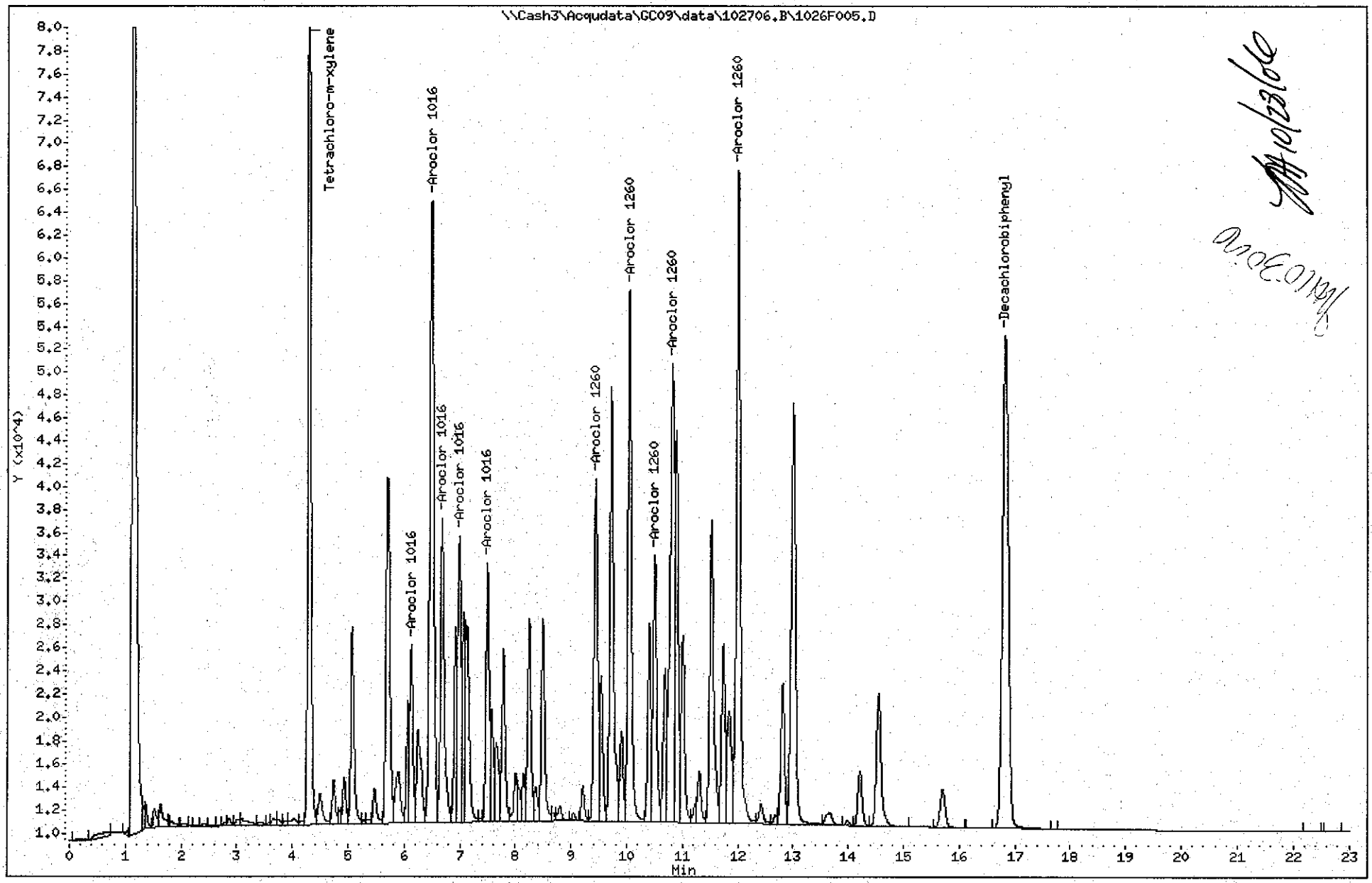
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F005.D
Date : 27-OCT-2006 19:10
Client ID:
Sample Info: 1660 @ 500ppb | PCB4-80D | KWG0605028-33

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

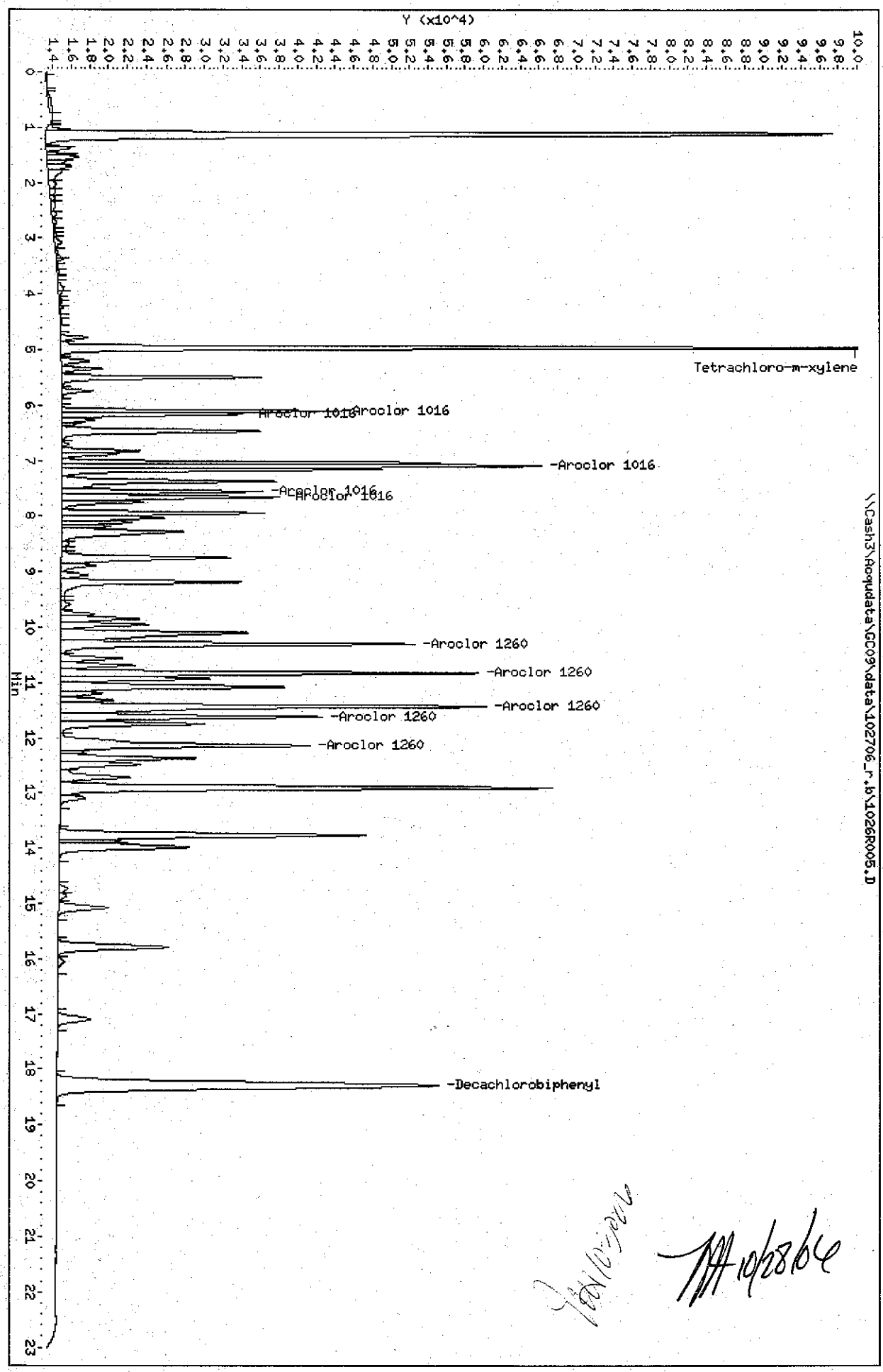


869
B - 1497

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R005.D
Date : 27-OCT-2006 19:10
Client ID:
Sample Info: 1660 @ 500ppb | PCB4-80D | KWG0605028-33

Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



10/28/06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F006.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F006.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R006.D
Inj Date : 27-OCT-2006 19:37
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0605028-34
Misc Info : SEMIVOA GC\W0605028\34-ICAL.H
Cal Date : 28-OCT-2006 12:57
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.953	530544	631251	94.8	99.5		100.00(M)
Aroclor 1016	6.120	6.100	113655	179226	1050	969	80.00- 120.00	100.00(M)
	6.483	6.157	501587	127180	1030	1010	331.56- 497.34	441.32(M)
	6.663	7.087	225227	366426	1010	988	151.42- 227.13	198.17(M)
	6.977	7.550	186056	150542	959	1000	128.71- 193.06	163.70(M)
	7.480	7.650	159748	166575	985	957	106.59- 159.88	140.56(M)
		Average of Peak Amounts =			1010	985		
Aroclor 1260	9.430	10.287	240460	299045	957	918	80.00- 120.00	100.00(M)
	10.033	10.813	364726	330427	944	937	120.80- 181.20	151.68(M)
	10.493	11.420	200719	427042	996	975	68.99- 103.49	83.47(M)
	10.807	11.607	389881	229818	1010	981	134.42- 201.63	162.14(M)
	11.990	12.127	516132	284241	1020	1000	186.31- 279.46	214.64(M)
		Average of Peak Amounts =			985	962		
Decachlorobiphenyl	16.817	18.283	580677	625288	99.6	95.2		100.00

QC Flag Legend

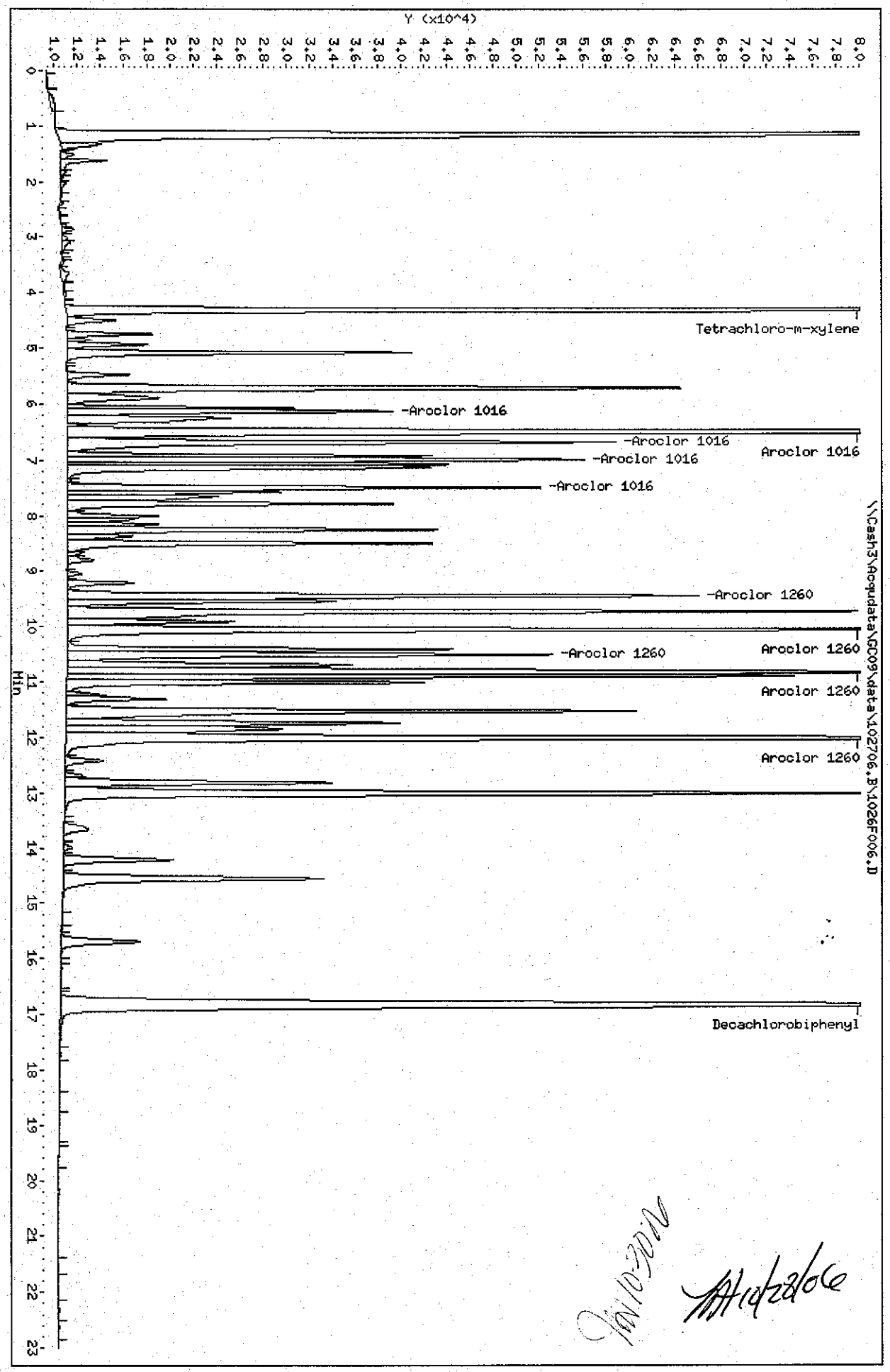
M - Compound response manually integrated.

10/28/06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F006.D
Date : 27-OCT-2006 19:37
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0605028-34

Column phase: DB-35MS

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



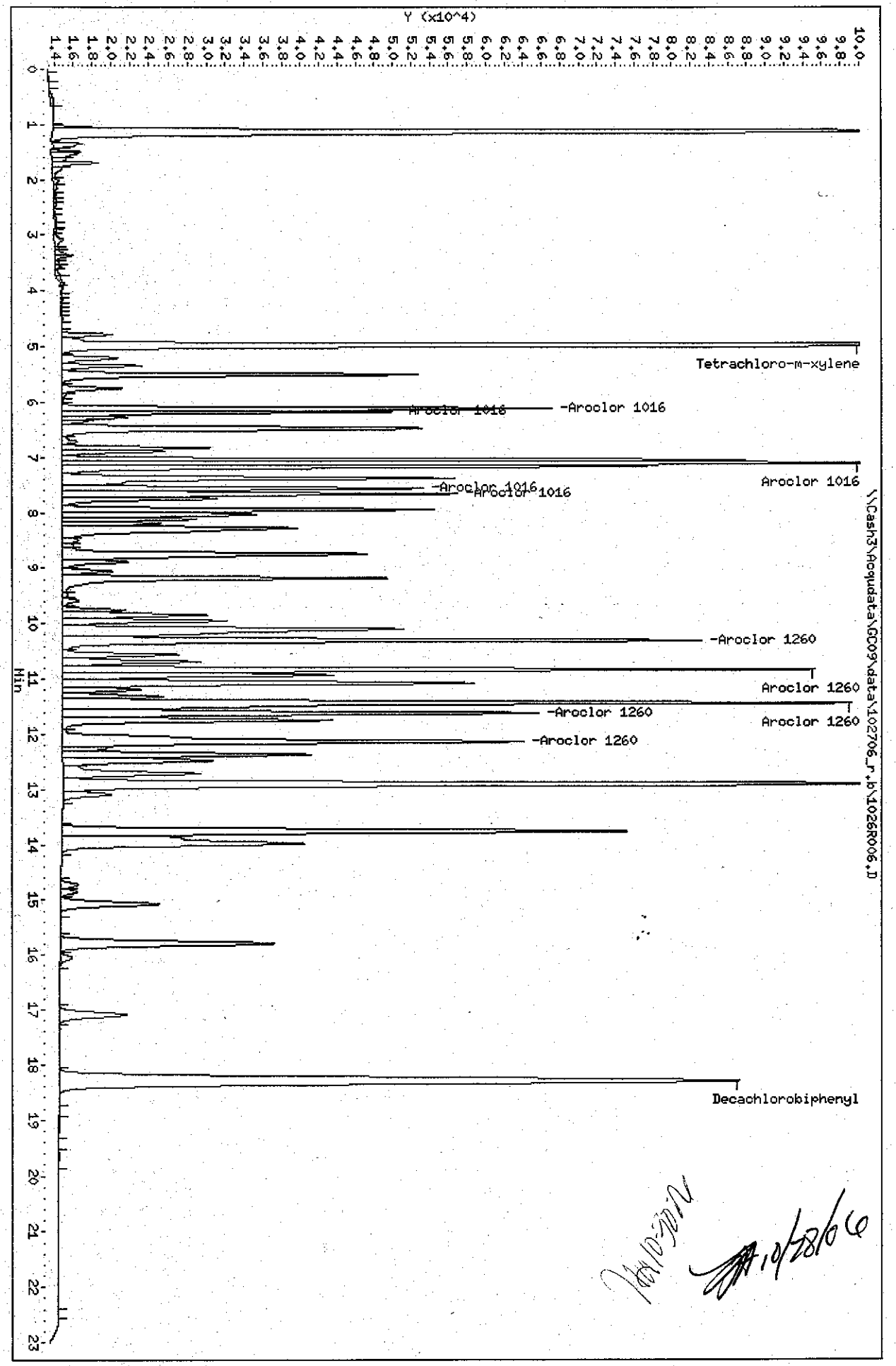
10-30-06

11/28/06

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R006.D
Date : 27-OCT-2006 19:37
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0605028-34

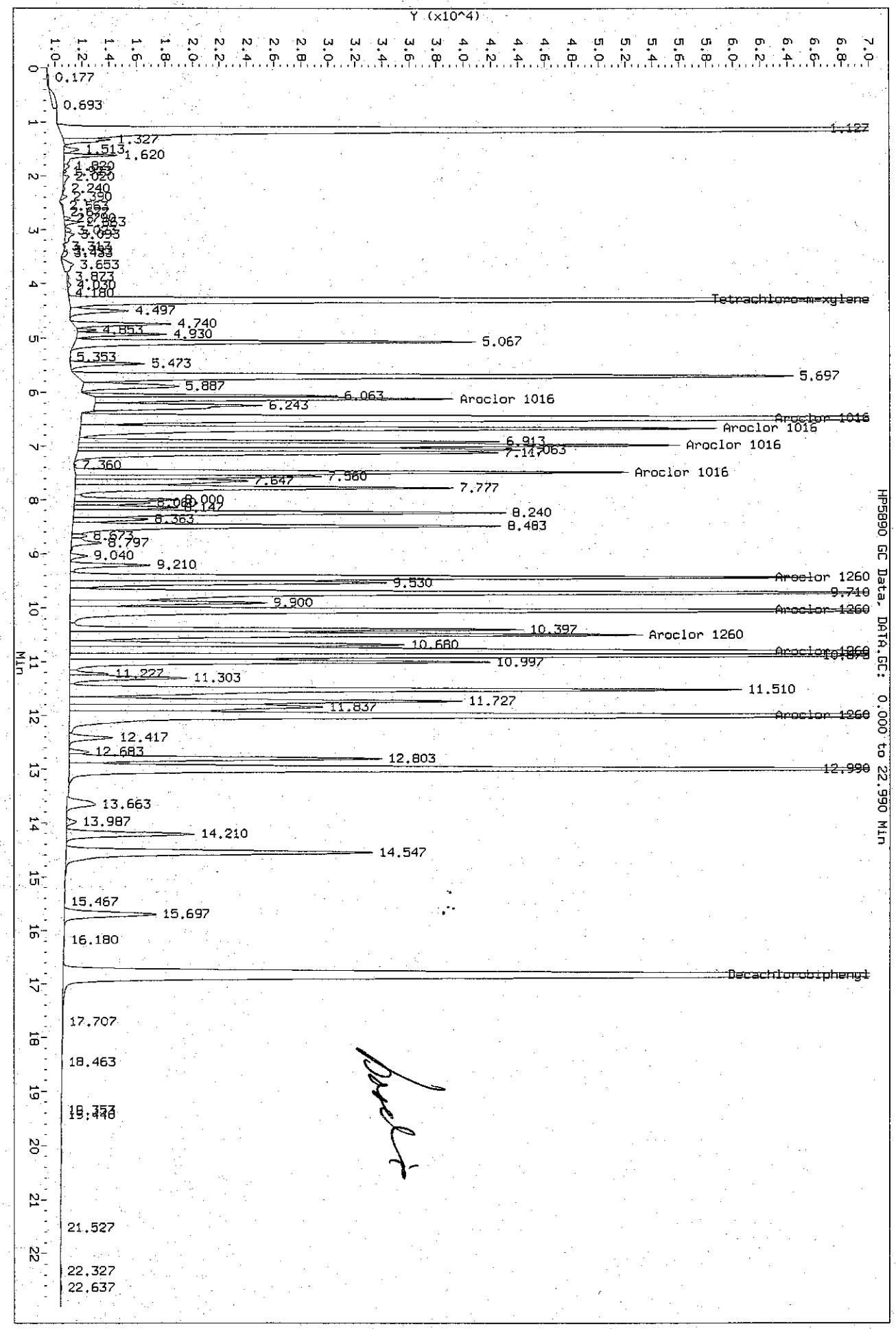
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



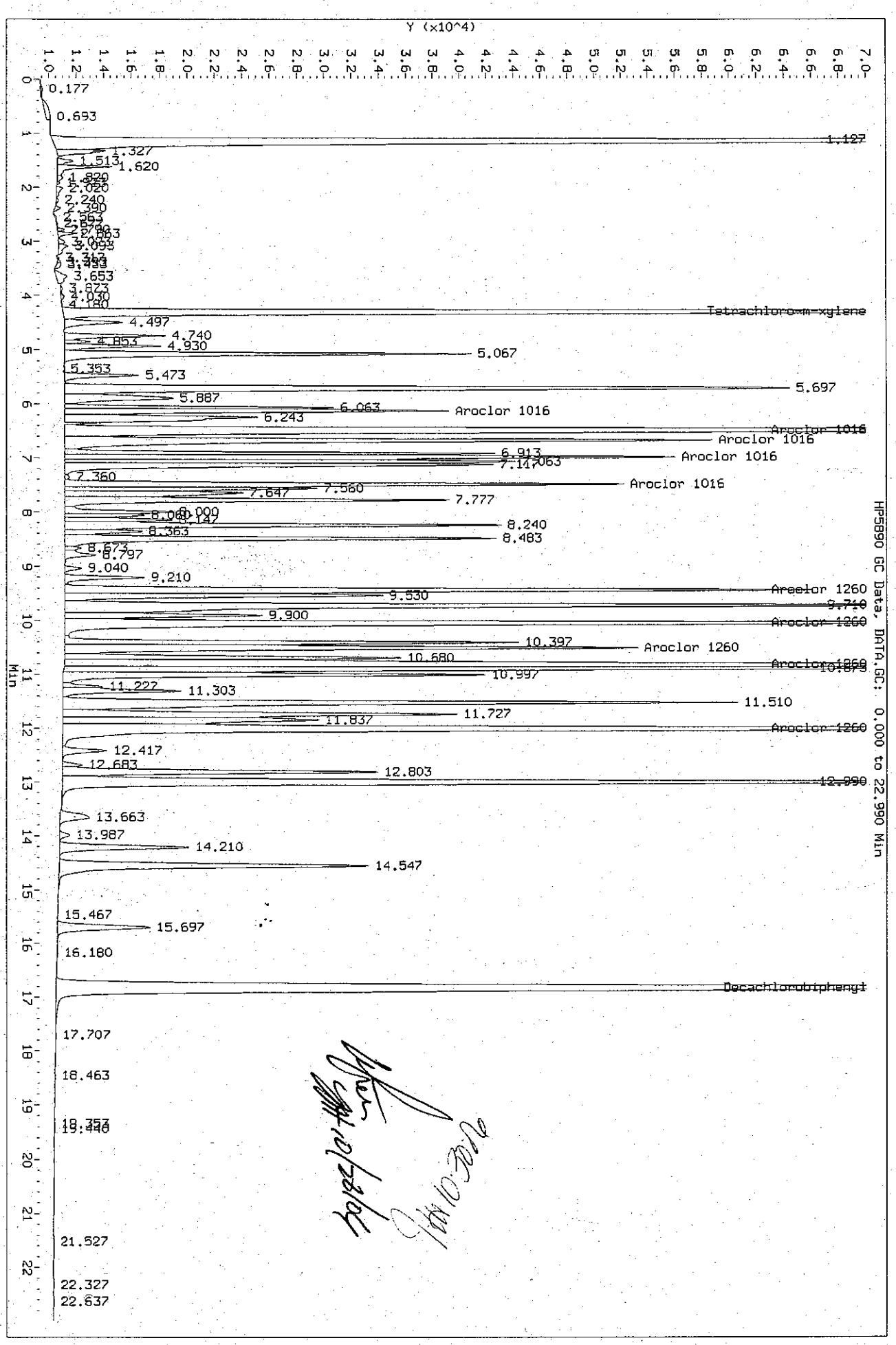
10/28/06

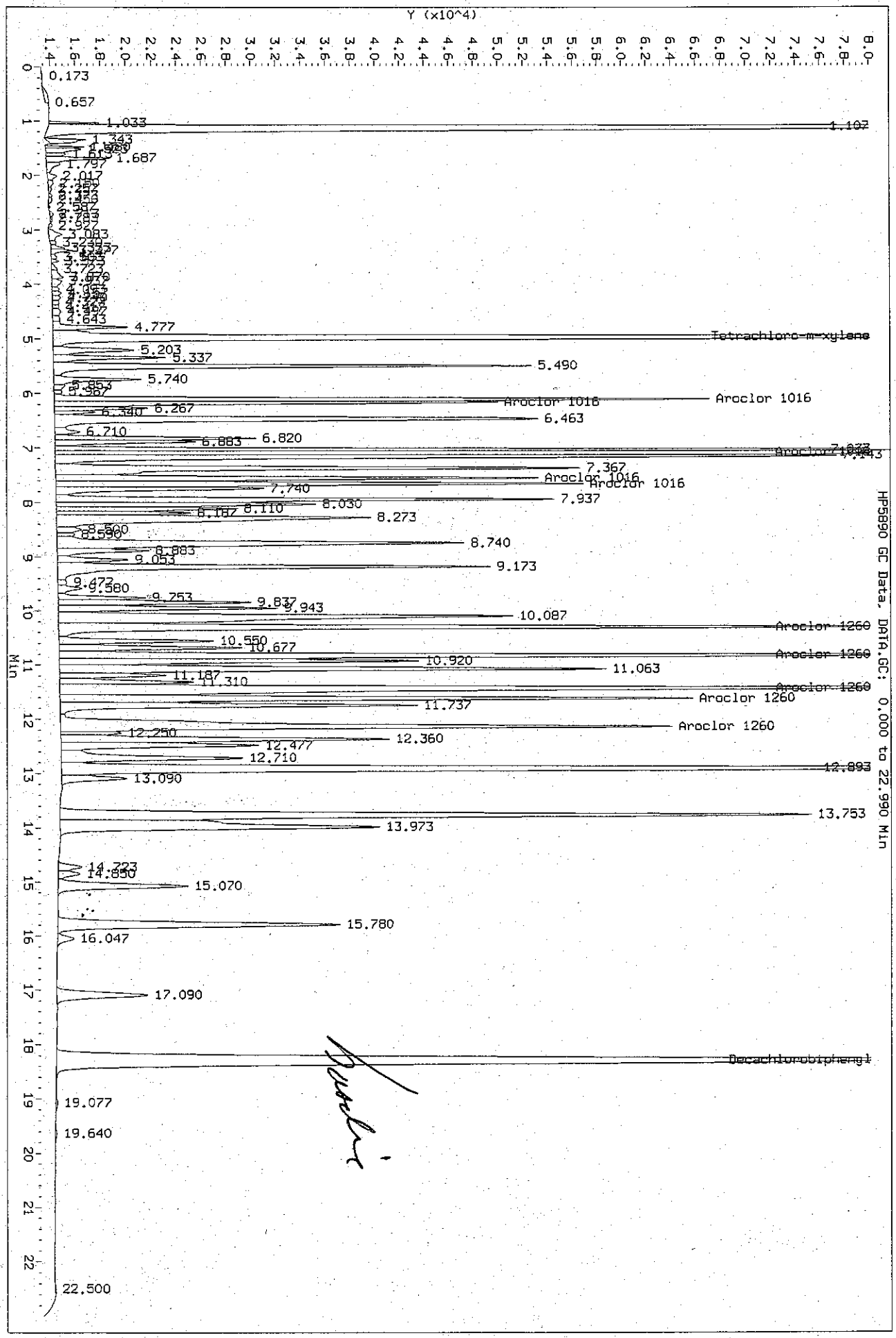
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F006.D
Injection Date: 27-OCT-2006 19:37
Instrument: GC09.i
Client Sample ID:

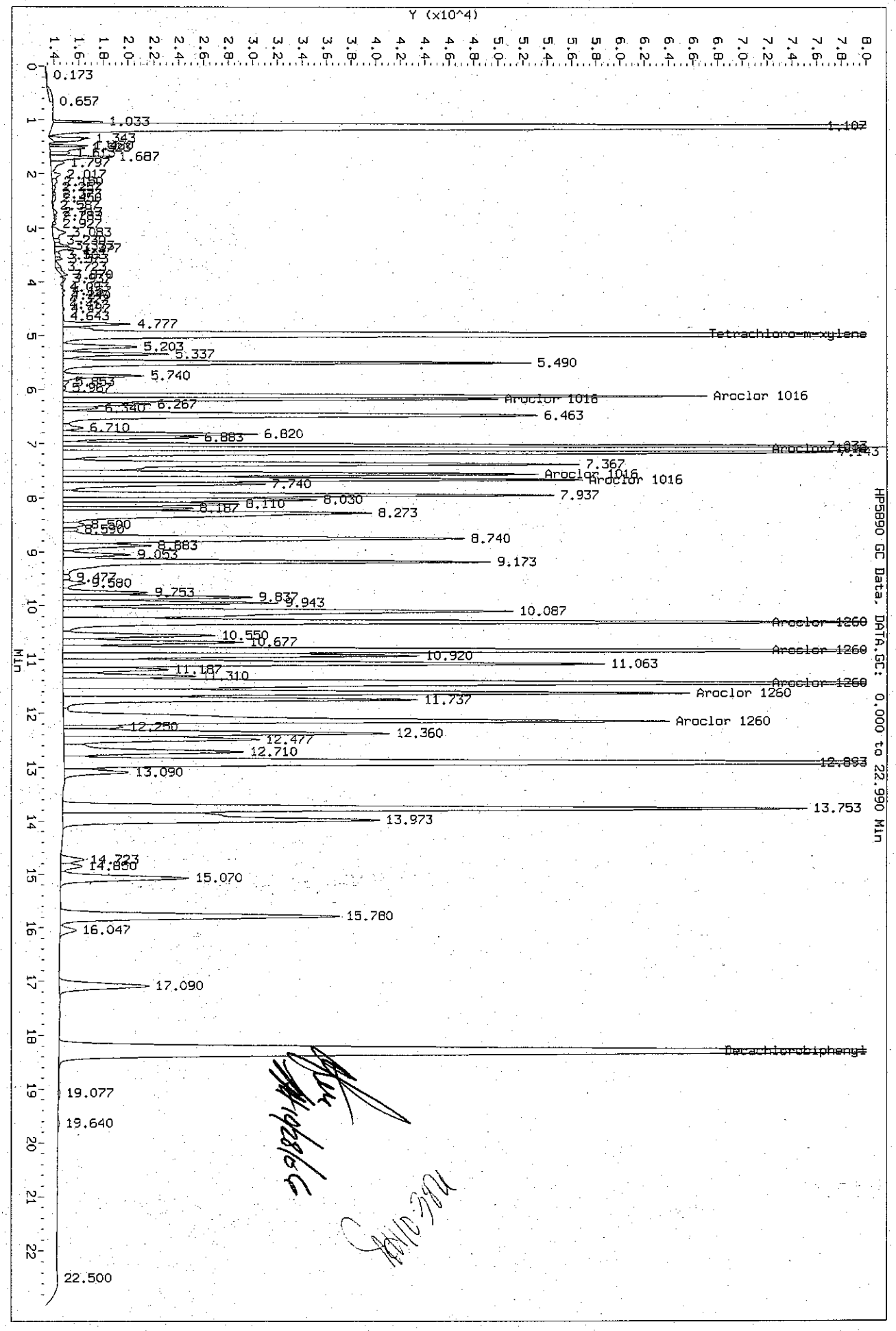


HP5890 GC Data, DATA.GC: 0.000 to 22.990 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F006.D
Injection Date: 27-OCT-2006 19:37
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R006.D
Injection Date: 27-OCT-2006 19:37
Instrument: GC09:i
Client Sample ID:
HP5890 GC Data. DATA.GC: 0.000 to 22.990 Min
Y (x10^4)
Min
0.173
0.657
1.033
1.107
1.343
1.687
1.797
2.017
3.083
4.643
4.777
Tetrachloro-m-xylene
5.203
5.337
5.490
5.740
Aroclor 1016
Aroclor 1016
6.267
6.340
6.463
6.710
6.820
6.883
7.367
Aroclor 1016
Aroclor 1016
7.740
7.937
8.030
8.110
8.273
8.740
8.883
9.053
9.173
9.472
9.580
9.753
9.837
9.943
10.087
Aroclor 1260
10.550
10.677
Aroclor 1260
10.920
11.063
11.187
11.310
Aroclor 1260
Aroclor 1260
11.737
Aroclor 1260
12.250
12.360
12.477
12.710
12.893
13.090
13.753
13.973
14.723
14.850
15.070
15.780
16.047
17.090
Decachlorobiphenyl
19.077
19.640
22.500


Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R006.D
Injection Date: 27-OCT-2006 19:37
Instrument: GC09.i
Client Sample ID:
HP5890 GC Data. DATA.GC: 0.000 to 22.990 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Decachlorobiphenyl

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F007.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F007.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R007.D
Inj Date : 27-OCT-2006 20:05
Sample Info: 1660 @ 2000ppb | PCB4-79E | KWG0605028-34
Misc Info : SEMIVOA GC\W0605028\34-ICAL.H
Cal Date : 28-OCT-2006 12:57
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.283	4.953	1011599	1175381	181	185		100.00(M)
Aroclor 1016	6.117	6.097	220882	321099	1990	1800	80.00- 120.00	100.00(M)
	6.480	6.157	922862	225832	1890	1670	331.56- 497.34	417.81(M)
	6.663	7.083	418975	626785	1860	1890	151.42- 227.13	189.68(M)
	6.973	7.547	355280	269369	1820	1830	128.71- 193.06	160.85(M)
	7.480	7.650	293600	306332	1800	1830	106.59- 159.88	132.92(M)
		Average of Peak Amounts =			1870	1800		
Aroclor 1260	9.427	10.283	444069	539382	1760	1690	80.00- 120.00	100.00(M)
	10.033	10.813	671265	595163	1740	1700	120.80- 181.20	151.16(M)
	10.490	11.417	375435	800052	1860	1850	68.99- 103.49	84.54(M)
	10.807	11.607	719256	426450	1870	1820	134.42- 201.63	161.97(M)
	11.990	12.127	993903	537663	1970	1790	186.31- 279.46	223.82(M)
		Average of Peak Amounts =			1840	1770		
Decachlorobiphenyl	16.813	18.280	1084412	1145442	186	178		100.00

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

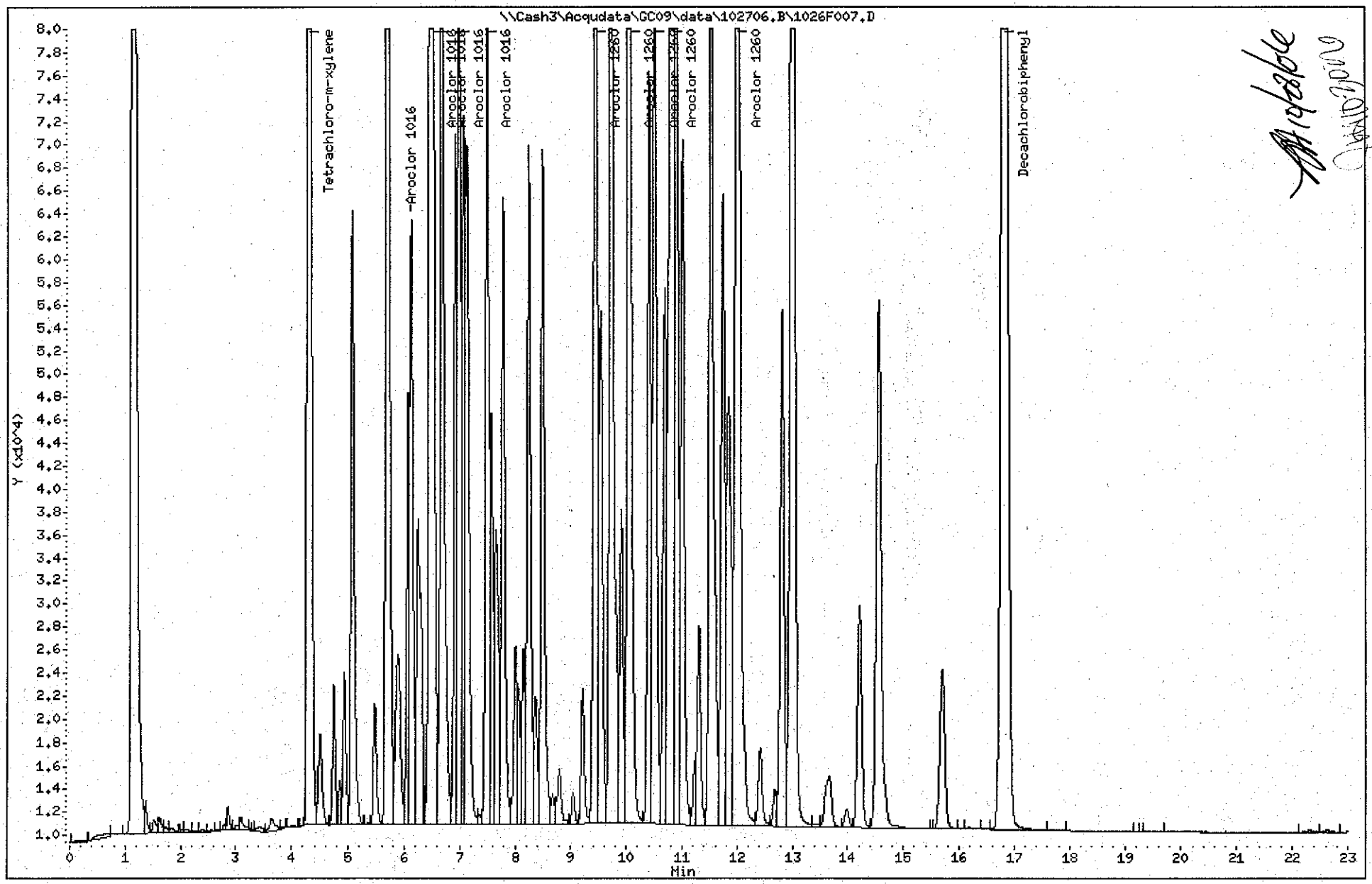
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F007.D
Date : 27-OCT-2006 20:05
Client ID:
Sample Info: 1660 @ 2000ppb | PCB4-79E | KWG0605028-34

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



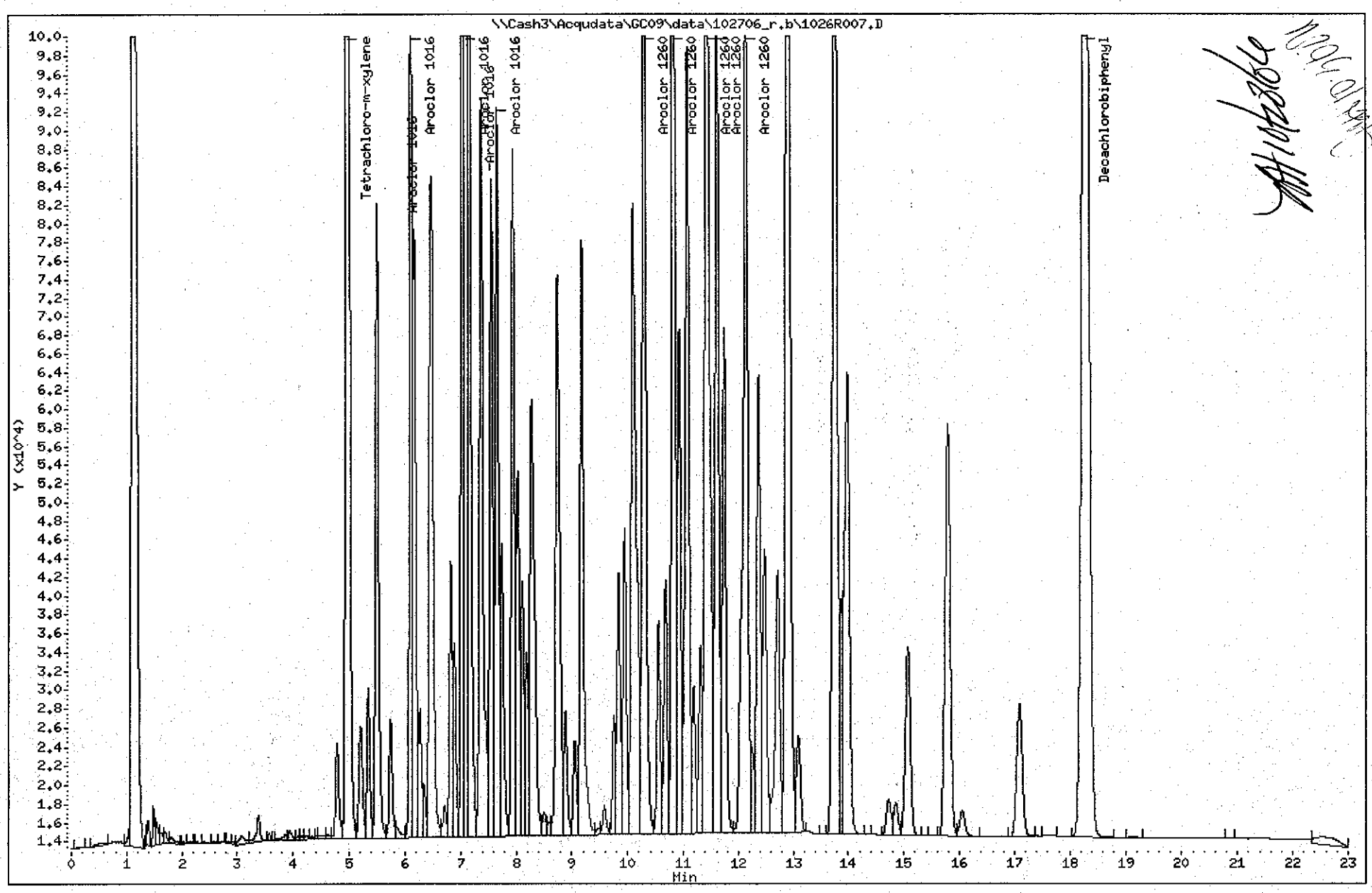
879
B - 1507

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R007.D
Date : 27-OCT-2006 20:05
Client ID:
Sample Info: 1660 @ 2000ppb | PCB4-79E | KWG0605028-34

Instrument: GC09.i

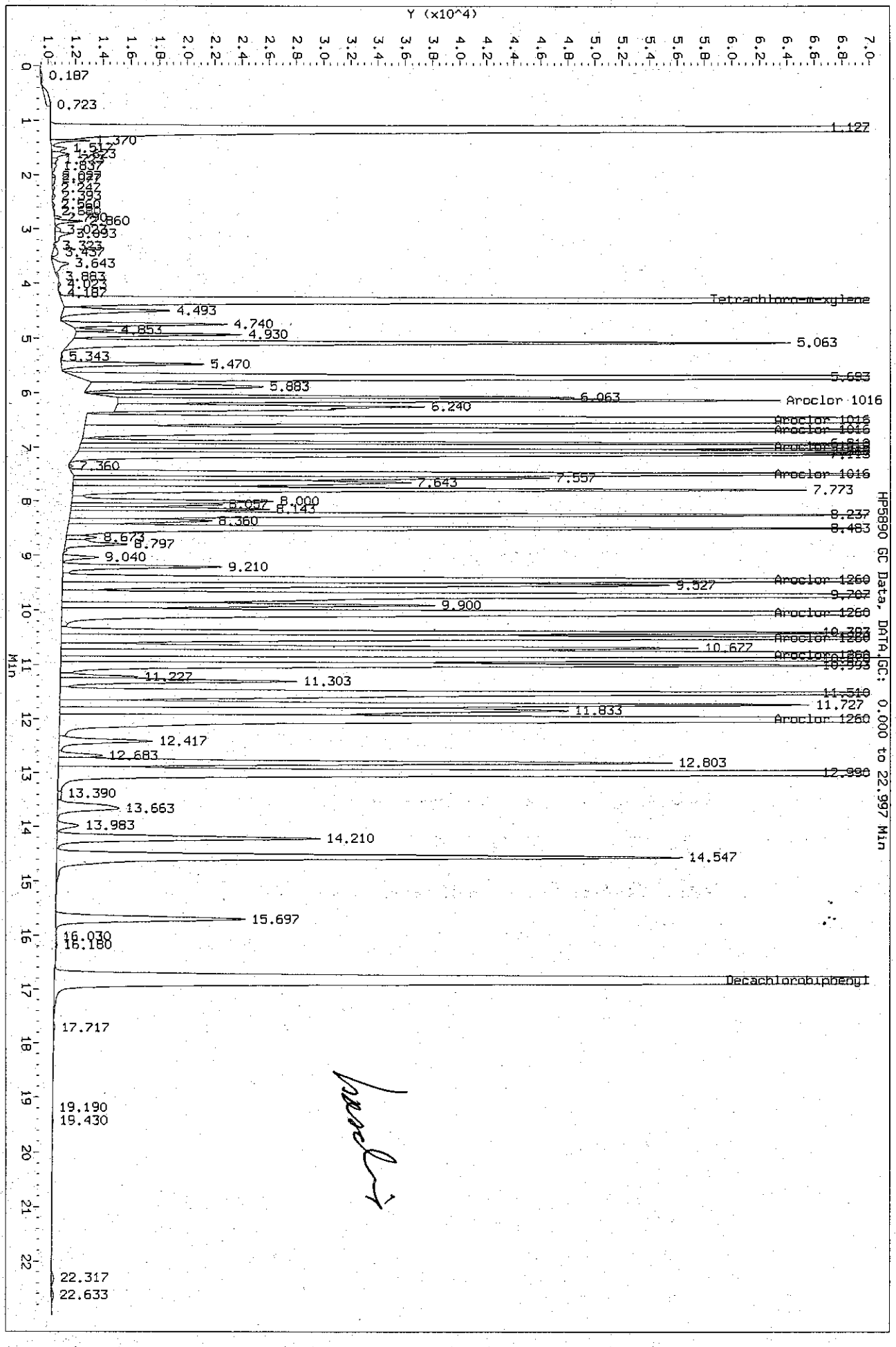
Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB

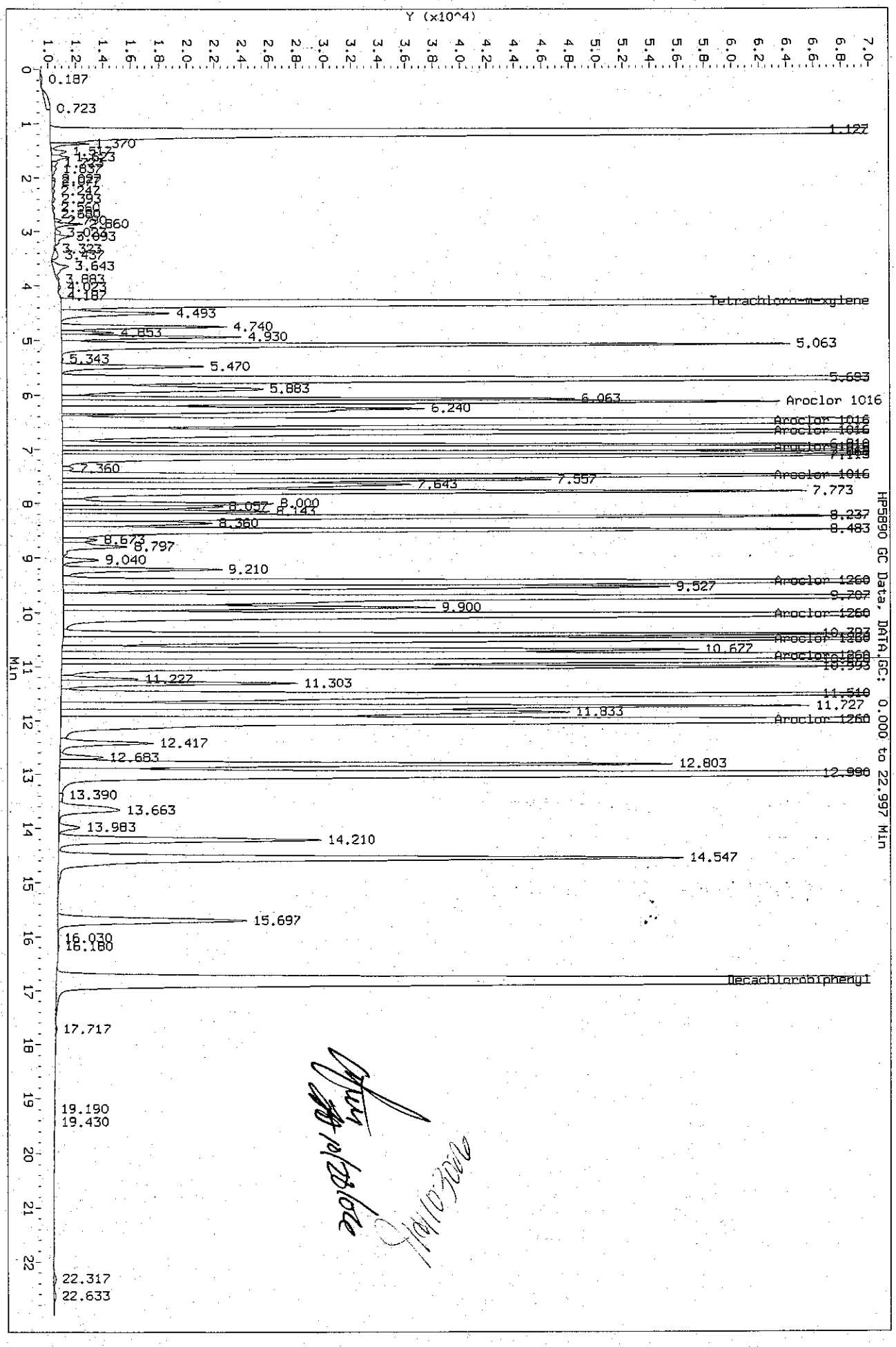


880

B - 1508


Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F007.D
Injection Date: 27-OCT-2006 20:05
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min
Y (x10^4)
Min
0.187
0.723
1.127
Tetrachloro-m-xylene
4.493
4.740
4.853
4.930
5.063
5.343
5.470
5.683
5.883
6.063
Aroclor 1016
6.240
7.360
7.557
7.643
7.773
8.000
8.143
8.237
8.360
8.483
8.797
9.040
9.210
Aroclor 1260
9.527
9.707
9.900
10.677
11.227
11.303
11.510
11.727
11.833
12.417
12.683
12.803
12.990
13.390
13.663
13.983
14.210
14.547
15.697
16.030
16.180
Decachlorobiphenyl
17.717
19.190
19.430
22.317
22.633

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F007.D
Injection Date: 27-OCT-2006 20:05
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F008.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F008.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R008.D
Inj Date : 27-OCT-2006 20:32
Sample Info: 1660 @ 5000ppb | PCB4-79F | KWG0605028-35
Misc Info : SEMIVOA GC\W0605028\35-ICAL.H
Cal Date : 28-OCT-2006 12:57
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.283	4.953	2260607	2534676	404	386		100.00(M)
Aroclor 1016	6.117	6.097	472776	639260	4180	3390	80.00- 120.00	100.00(M)
	6.480	6.157	1959416	497210	3750	3840	331.56- 497.34	414.45(M)
	6.663	7.083	894840	1371306	3940	3760	151.42- 227.13	189.27(M)
	6.973	7.547	760633	571521	3870	3770	128.71- 193.06	160.89(M)
	7.480	7.650	629896	655802	3850	3760	106.59- 159.88	133.23(M)
		Average of Peak Amounts =			3920	3700		
Aroclor 1260	9.427	10.283	966506	1159753	3840	3520	80.00- 120.00	100.00(M)
	10.033	10.813	1459449	1286044	3780	3570	120.80- 181.20	151.00(M)
	10.490	11.420	833545	1787446	4120	4000	68.99- 103.49	86.24(M)
	10.803	11.607	1623954	926338	4220	3850	134.42- 201.63	168.02(M)
	11.990	12.127	2250839	1212048	4460	4260	186.31- 279.46	232.88(M)
		Average of Peak Amounts =			4080	3840		
Decachlorobiphenyl	16.813	18.287	2351850	2432036	403	370		100.00

QC Flag Legend

M - Compound response manually integrated.

10/28/06

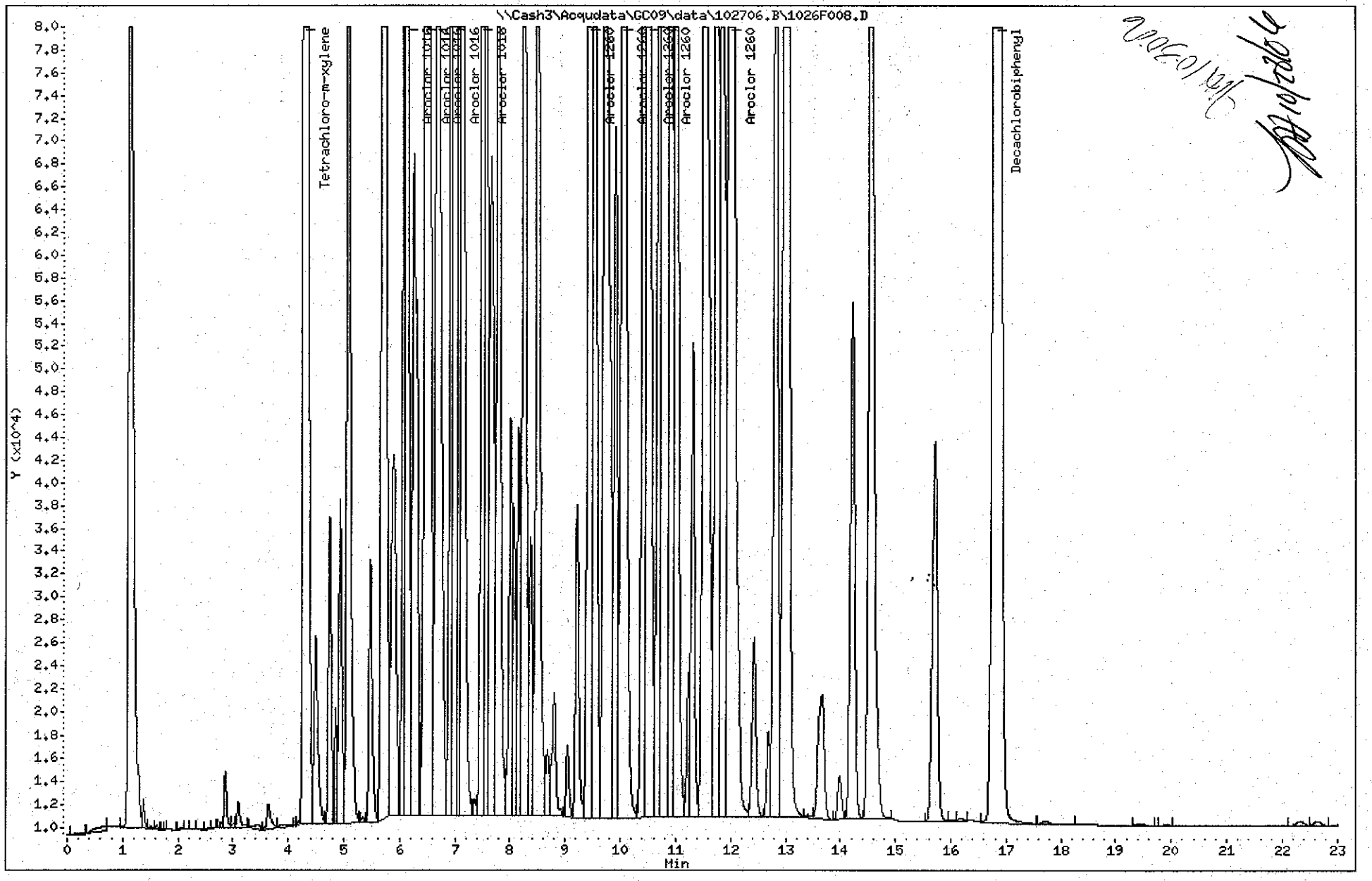
10/30/06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F008.D
Date : 27-OCT-2006 20:32
Client ID:
Sample Info: 1660 @ 5000ppb | PCB4-79F | KWG0605028-35

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



884
B - 1512

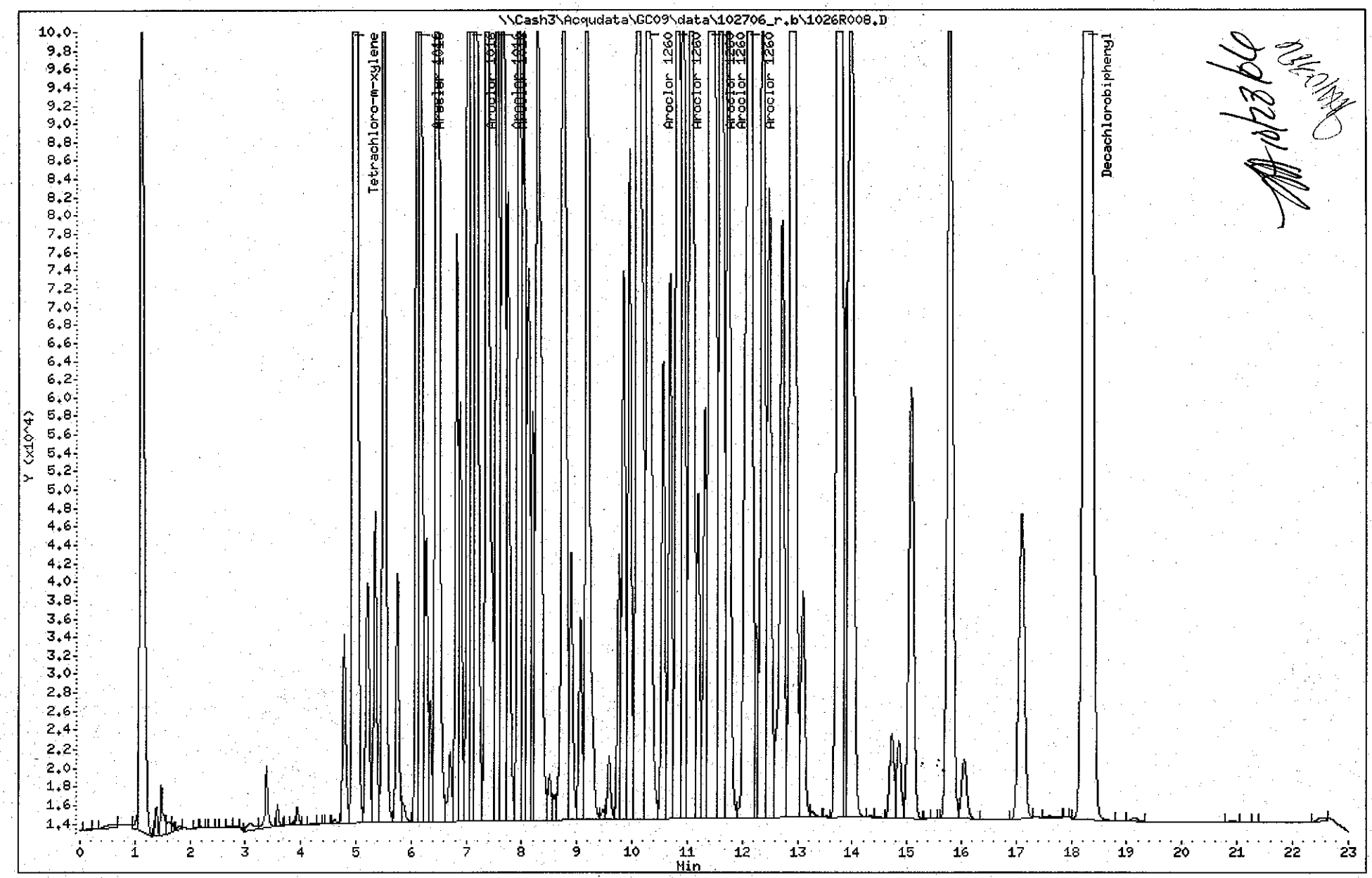
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R008.D
Date : 27-OCT-2006 20:32
Client ID:
Sample Info: 1660 @ 5000ppb | PCB4-79F | KWG0605028-35

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

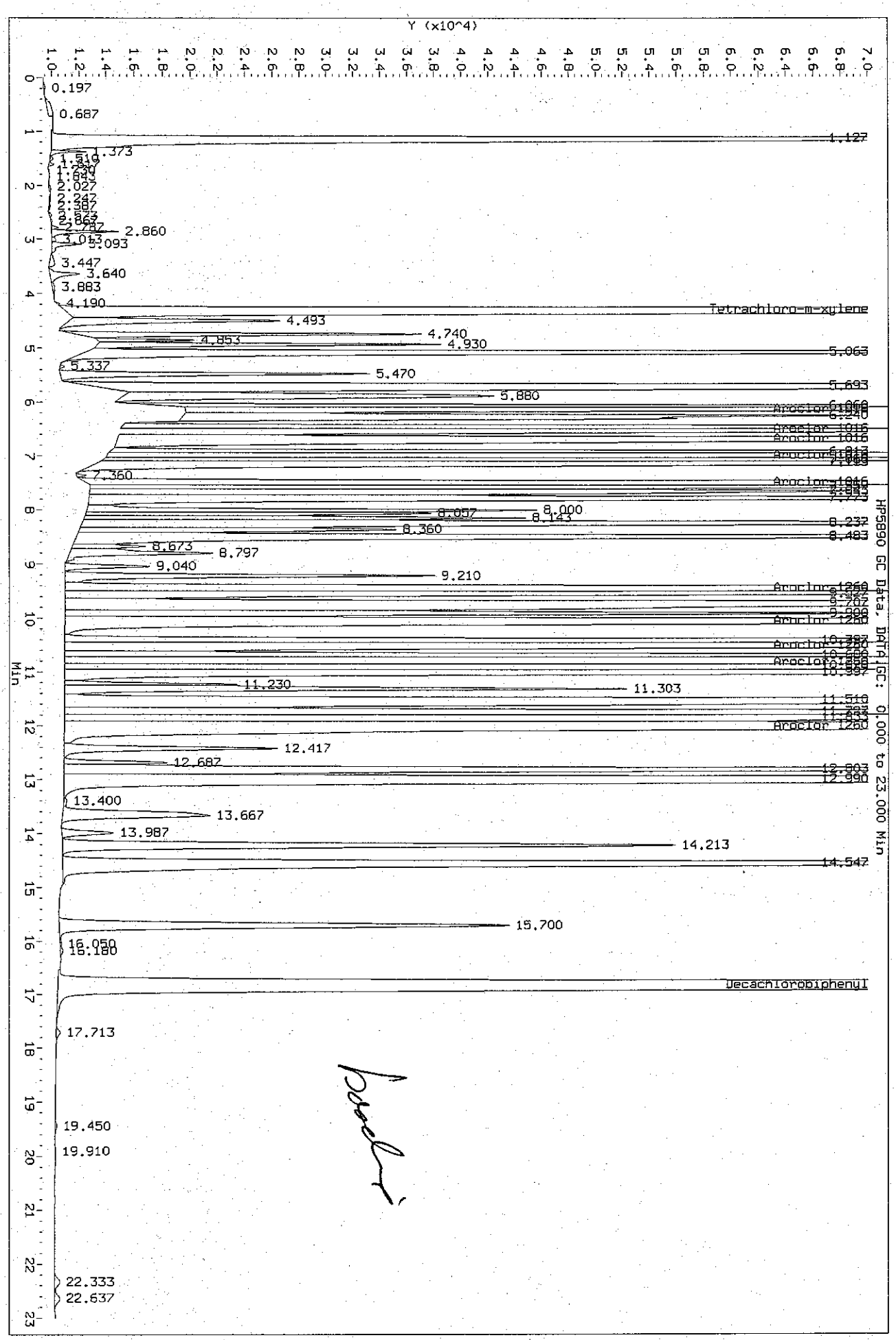
Column diameter: 0.53

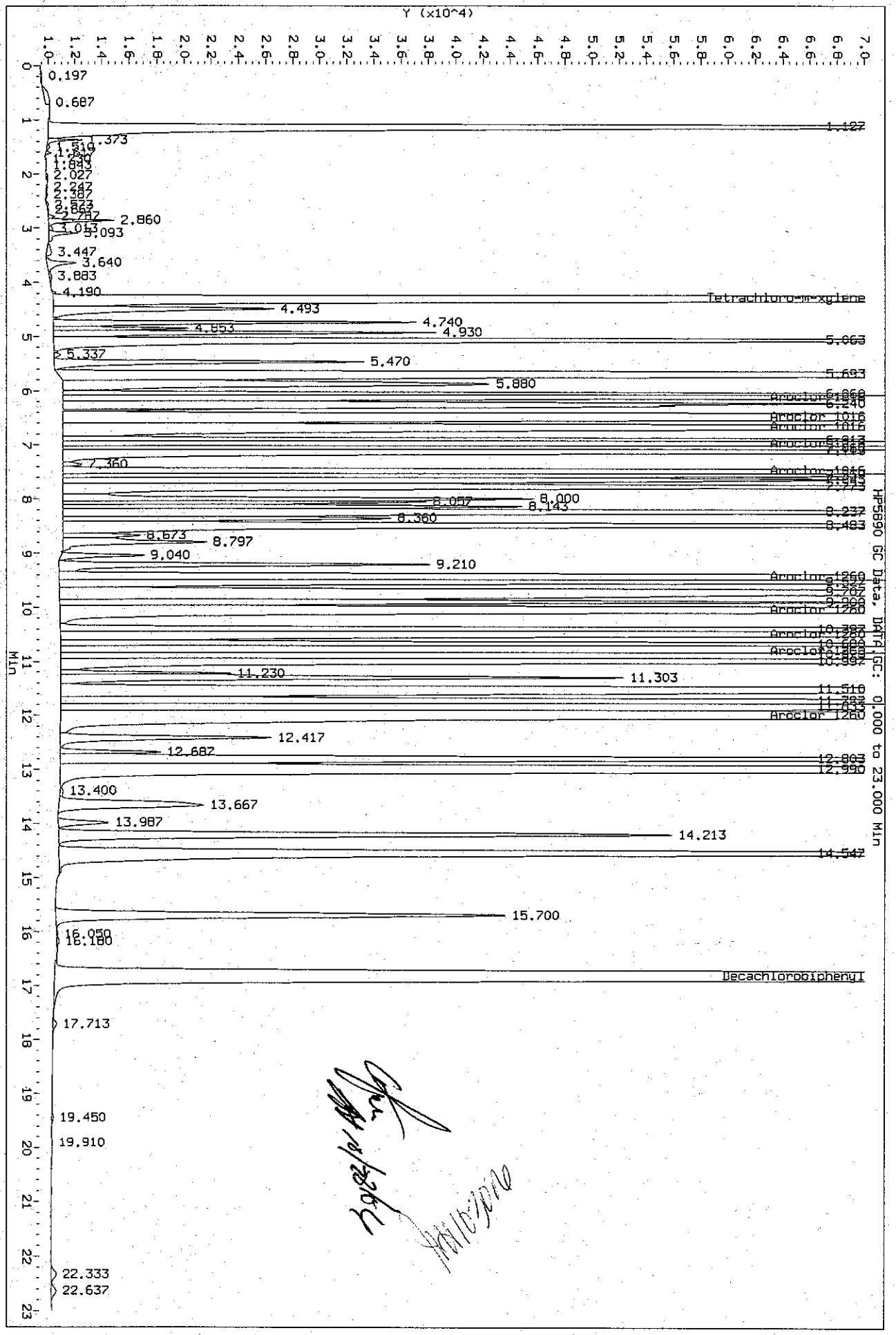


885

B - 1513

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F008.D
Injection Date: 27-OCT-2006 20:32
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F008.D
Injection Date: 27-OCT-2006 20:32
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min
Y (x10^4)
Min
0.197
0.687
1.127
1.373
1.819
1.947
1.843
2.027
2.247
2.387
2.863
2.747
2.860
3.013
3.093
3.447
3.640
3.883
4.190
Tetrachloro-m-xylene
4.493
4.740
4.853
4.930
5.063
5.337
5.470
5.693
5.880
Aroclor 1016
7.360
8.057
8.000
8.143
8.237
8.360
8.483
8.673
8.797
9.040
9.210
Aroclor 1260
9.767
9.908
10.387
10.600
10.907
11.230
11.303
11.510
11.633
12.417
12.682
12.803
12.990
13.400
13.667
13.987
14.213
14.547
15.700
16.050
16.180
Decachlorobiphenyl
17.713
19.450
19.910
22.333
22.637

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F011.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F011.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R011.D
Inj Date : 27-OCT-2006 21:55
Sample Info: 1221 @ 1000ppb | PCB4-76C | KWG0605028-5
Misc Info : SEMIVOA GC\W0605028\5-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1221.SUB
Sub List #2 : AR1221.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.640	3.930	54154	57158	1000	1000	80.00- 120.00	100.00(M)
	4.740	5.207	73185	88143	1000	1000	108.11- 162.17	135.14(M)
	4.927	5.333	49779	58718	1000	1000	73.54- 110.30	91.92(M)
	5.063	5.487	171605	189401	1000	1000	253.50- 380.26	316.88(M)
		Average of Peak Amounts =			1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/28/06

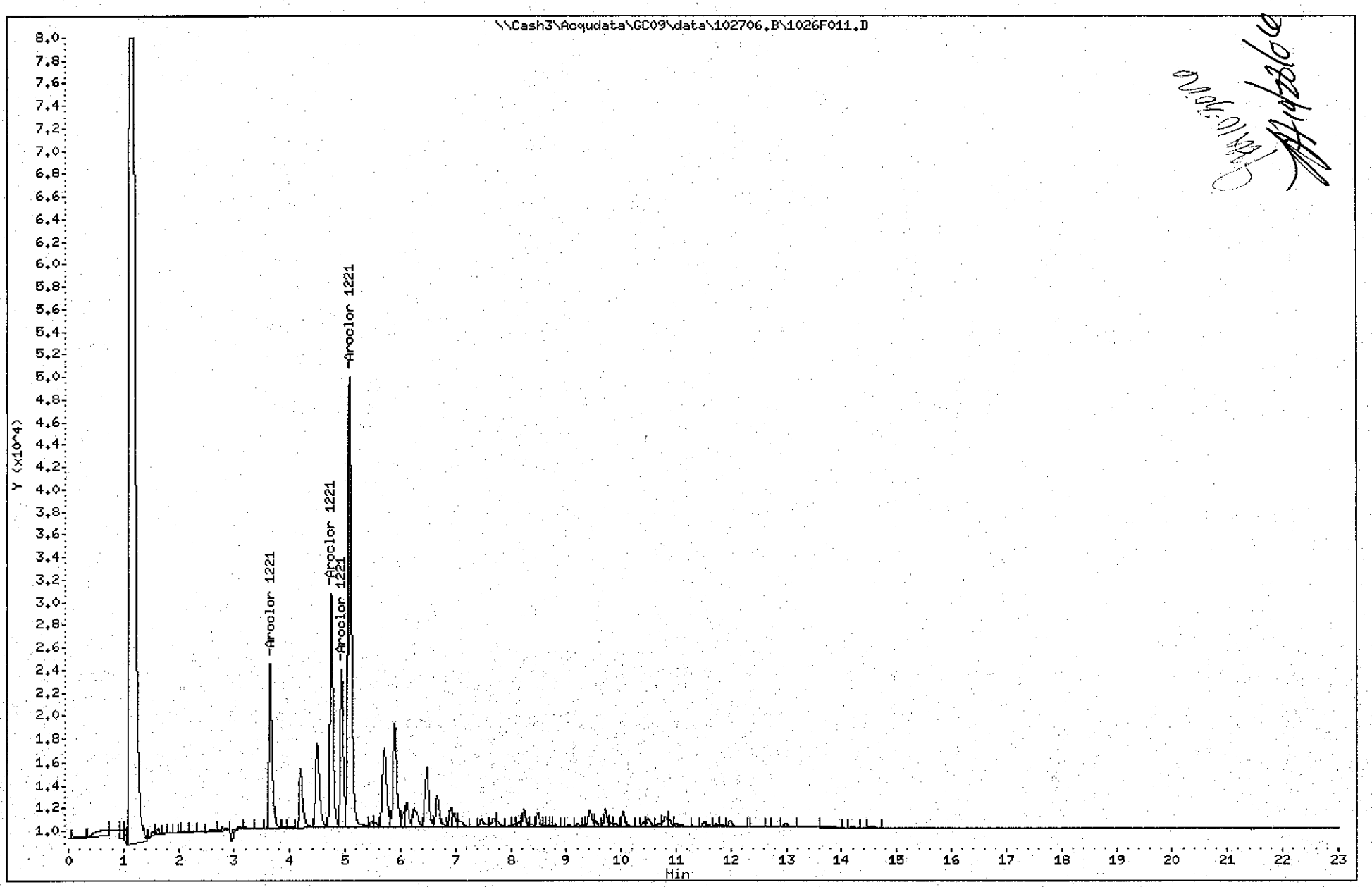
10/30/06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F011.D
Date : 27-OCT-2006 21:55
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76C | KWG0605028-5

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



10/27/2006

889

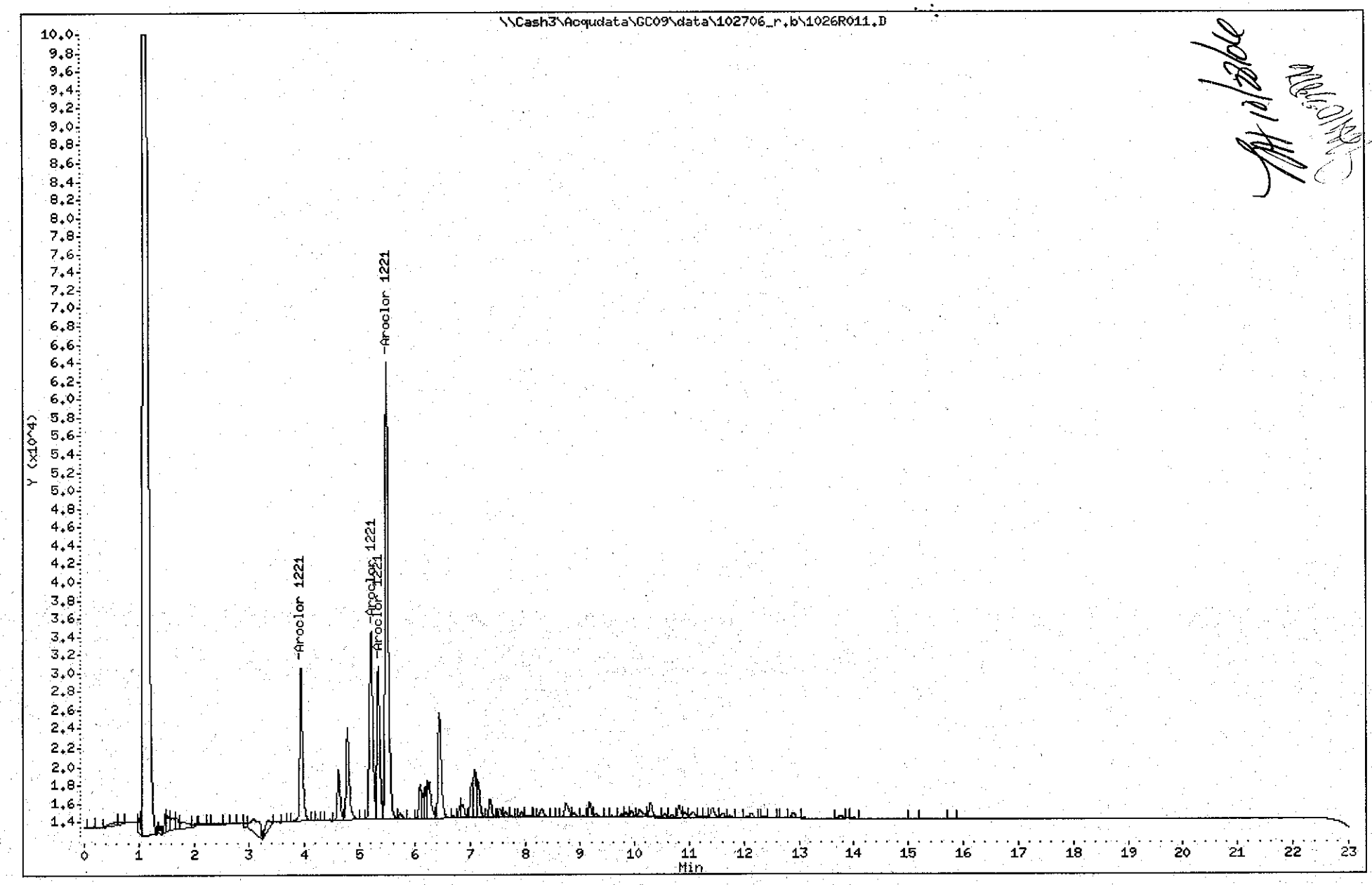
B-1517

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R011.D
Date : 27-OCT-2006 21:55
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76C | KWG0605028-5

Instrument: GC09.i

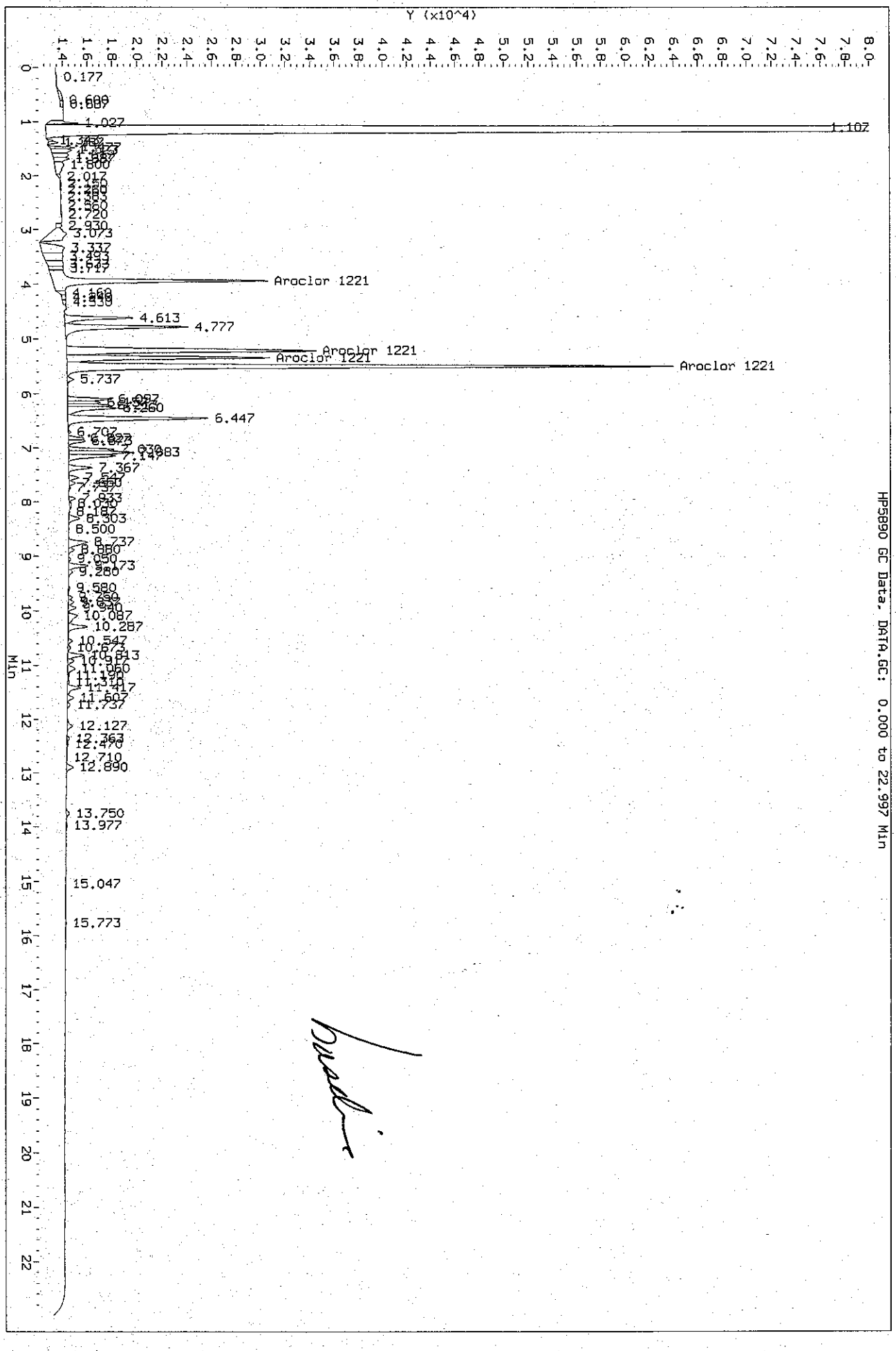
Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



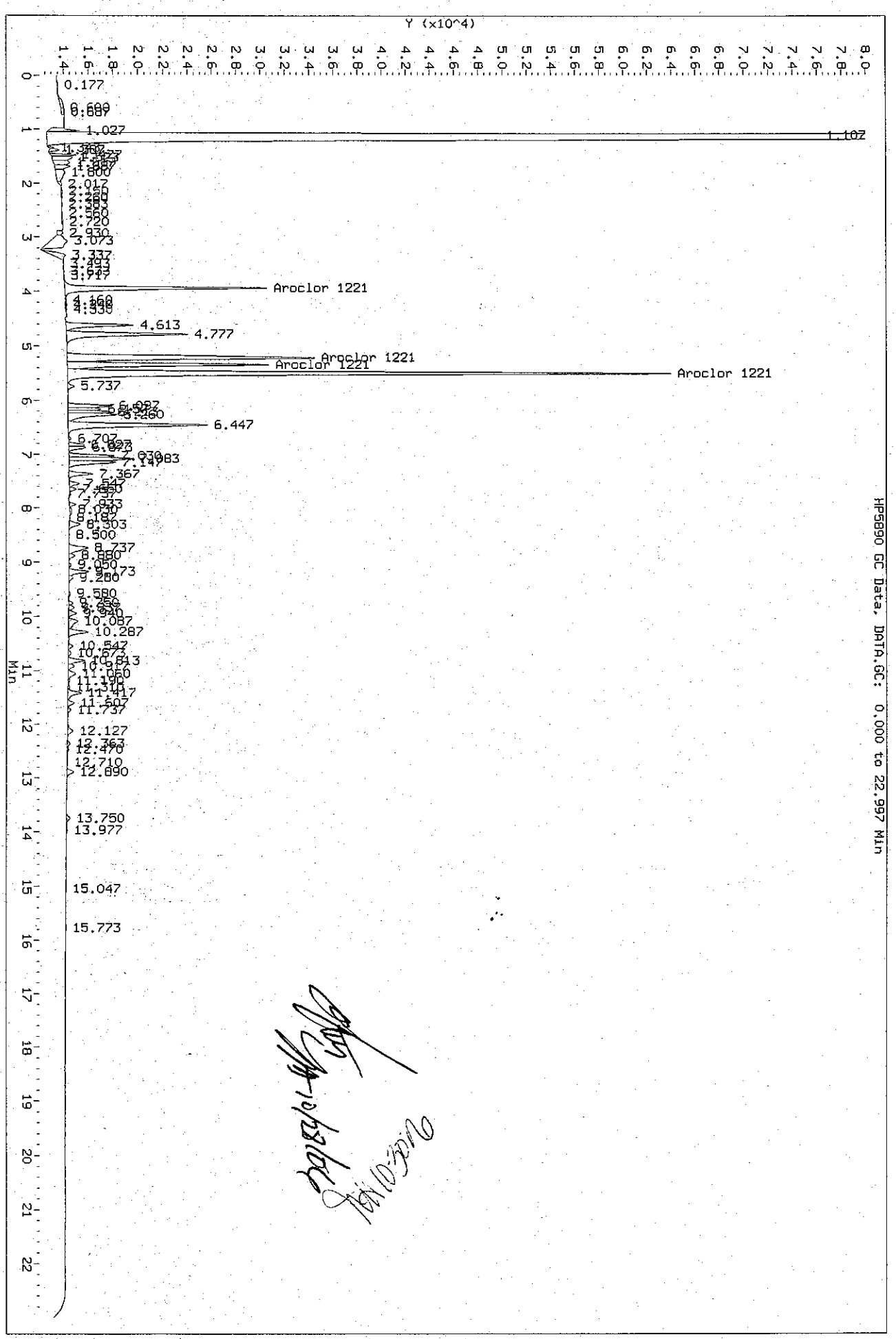
890
B-1518

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R011.D
Injection Date: 27-OCT-2006 21:55
Instrument: GC09.i
Client Sample ID:



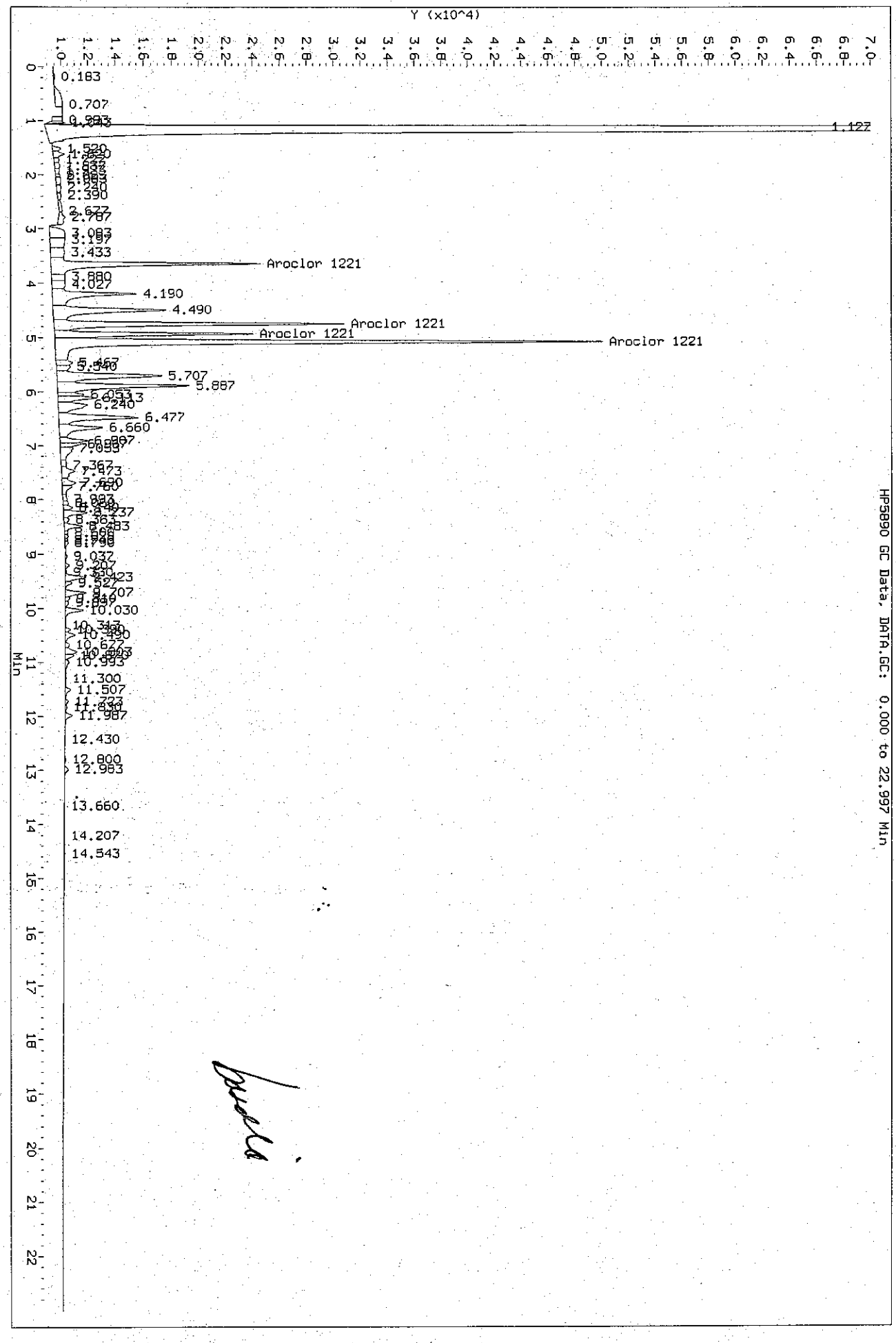
HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R011.D
Injection Date: 27-OCT-2006 21:55
Instrument: GC09.1
Client Sample ID:



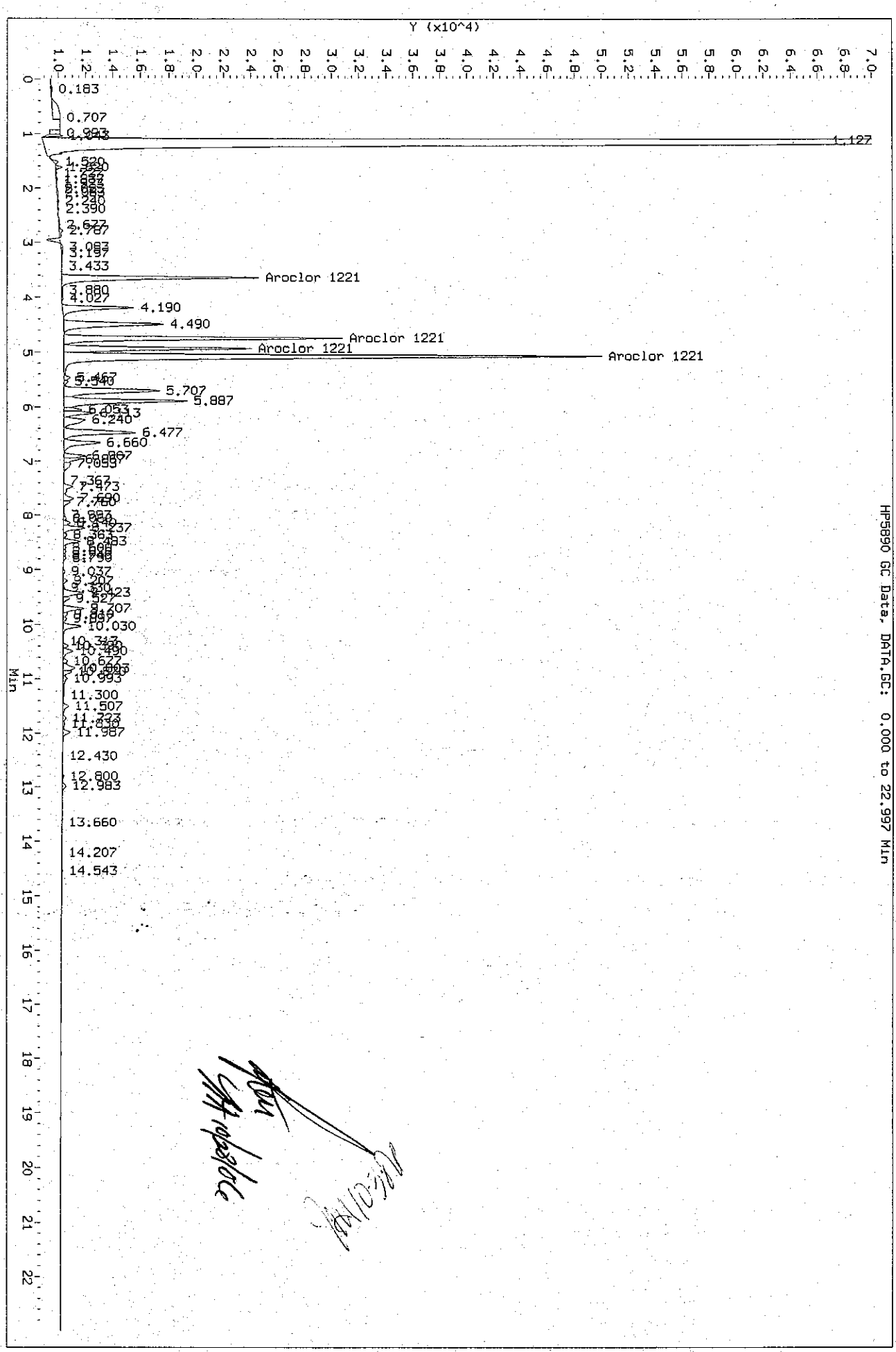
HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Accudata\GC09\data\102706.B\1026F011.D
Injection Date: 27-OCT-2006 21:55
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F011.D
Injection Date: 27-OCT-2006 21:55
Instrument: GC09:1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F015.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F015.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R015.D
Inj Date : 27-OCT-2006 23:44
Sample Info: 1232 @ 1000ppb | PCB4-76B | KWG0605028-9
Misc Info : SEMIVOA GC\W0605028\9-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1232.SUB
Sub List #2 : AR1232.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	5.063	5.487	144684	156877	1000	1000	80.00- 120.00	100.00(M)
	5.693	6.453	131962	104002	1000	1000	72.97- 109.45	91.21(M)
	6.477	7.143	230996	108608	1000	1000	127.72- 191.59	159.66(M)
	6.660	7.363	105477	81603	1000	1000	58.32- 87.48	72.90(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

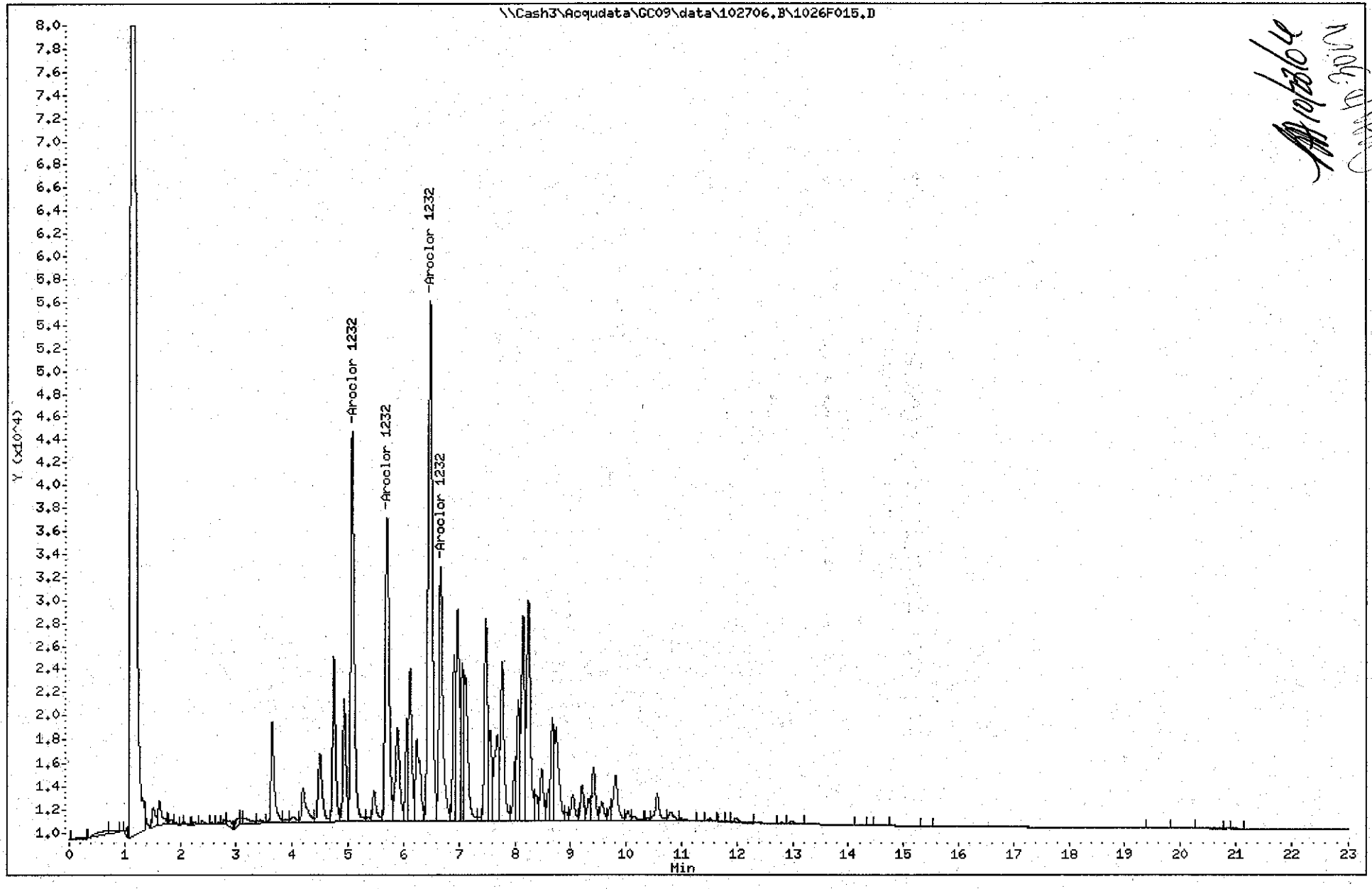
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F015.D
Date : 27-OCT-2006 23:44
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76B | KWG0605028-9

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



896
B - 1524

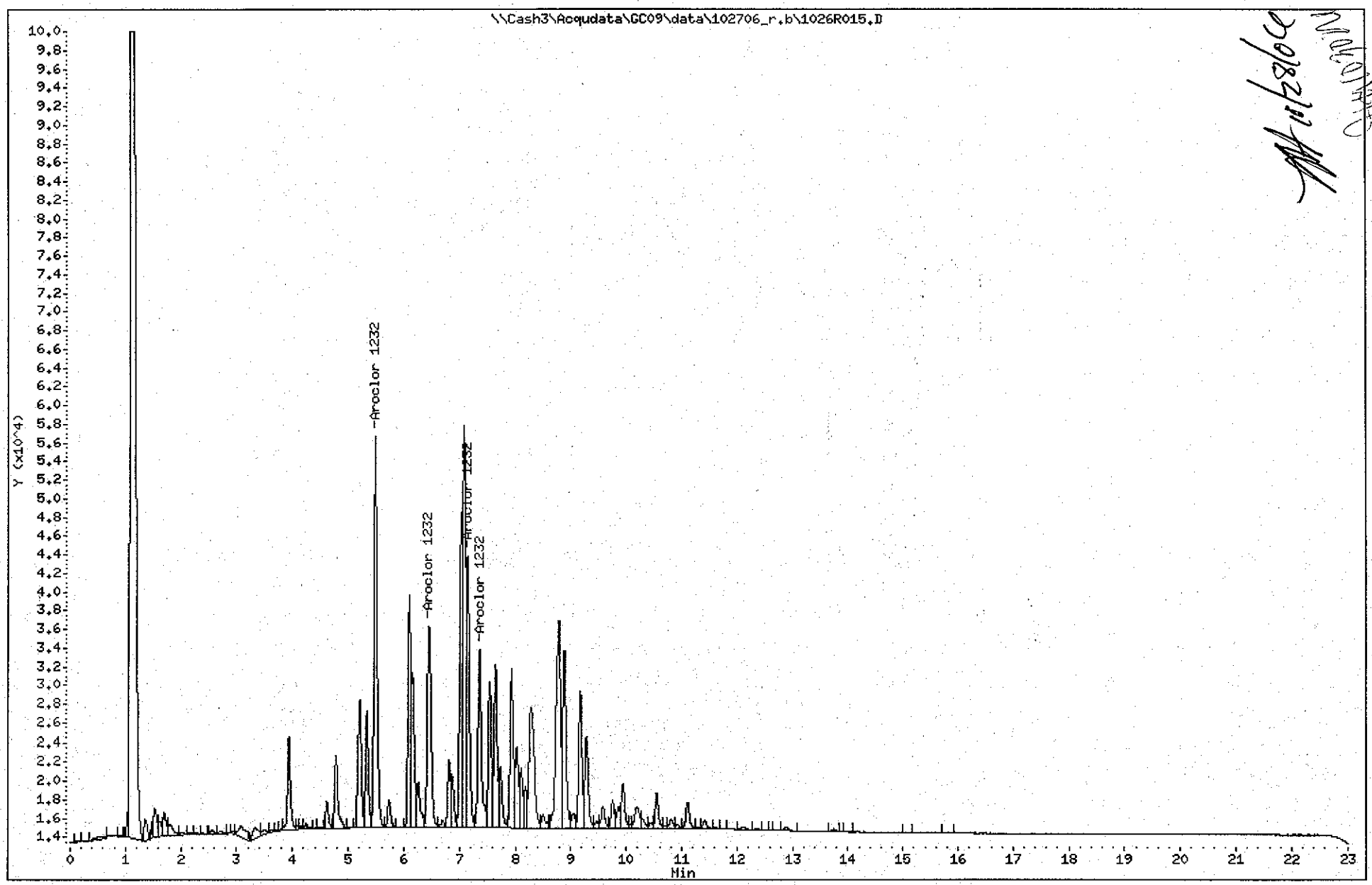
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R015.D
Date : 27-OCT-2006 23:44
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76B | KWG0605028-9

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



897

B - 1525

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
Report Date: 28-Oct-2006 14:16

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R019.D
Inj Date : 28-OCT-2006 01:34
Sample Info: 1242 @ 1000ppb | PCB4-76D | KWG0605028-13
Misc Info : SEMIVOA GC\W0605028\13-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.697	6.160	208653	96073	1000	1000	80.00- 120.00	100.00(M)
	6.483	7.087	396102	289599	1000	1000	151.87- 227.80	189.84(M)
	6.667	7.553	175275	113056	1000	1000	67.20- 100.80	84.00(M)
	6.913	7.653	72969	131694	1000	1000	27.98- 41.97	34.97(M)
	7.063	7.940	96179	125082	1000	1000	36.88- 55.31	46.10(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/30/06
10/30/06

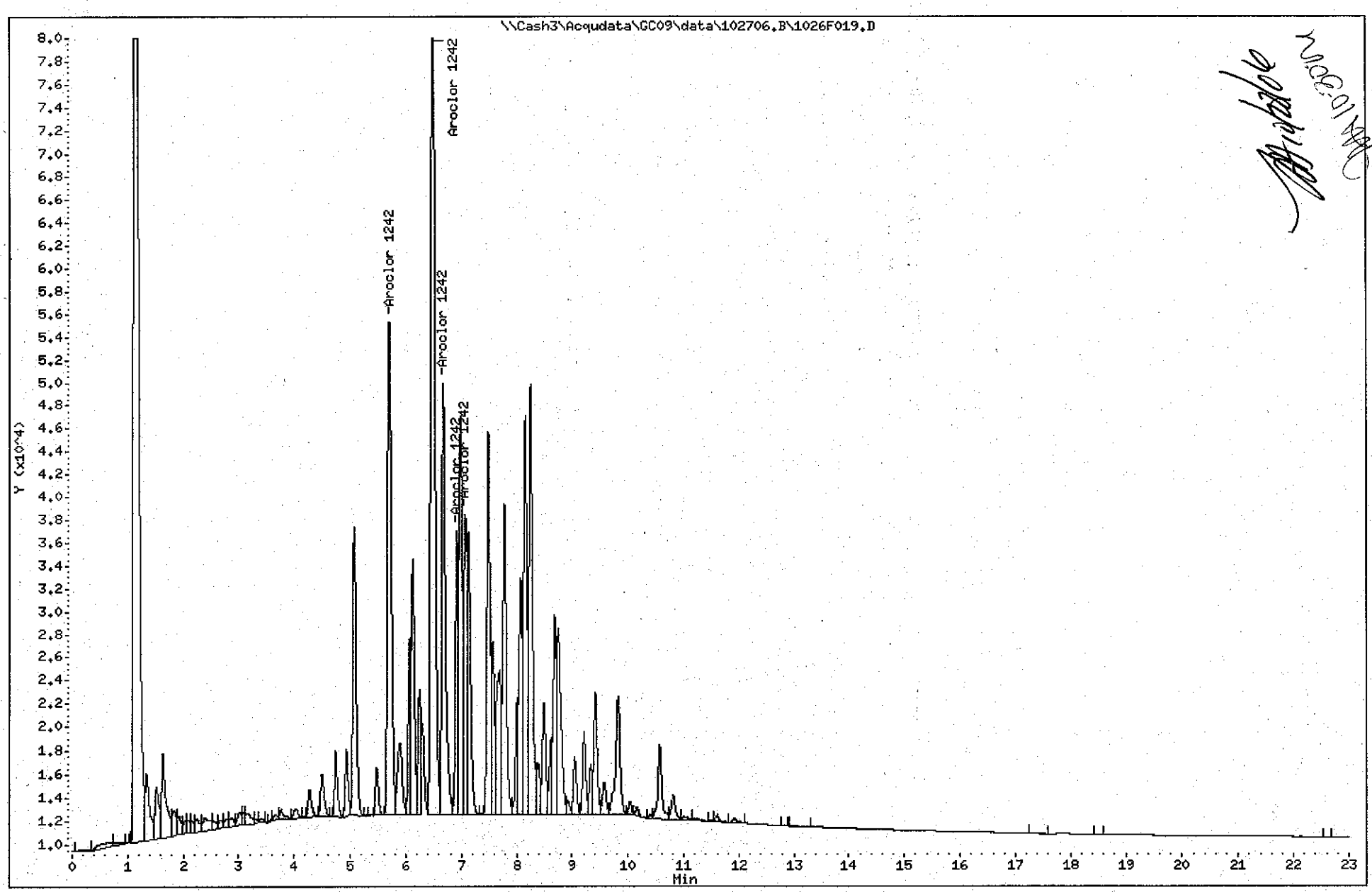
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
Date : 28-OCT-2006 01:34
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76D | KWG0605028-13

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

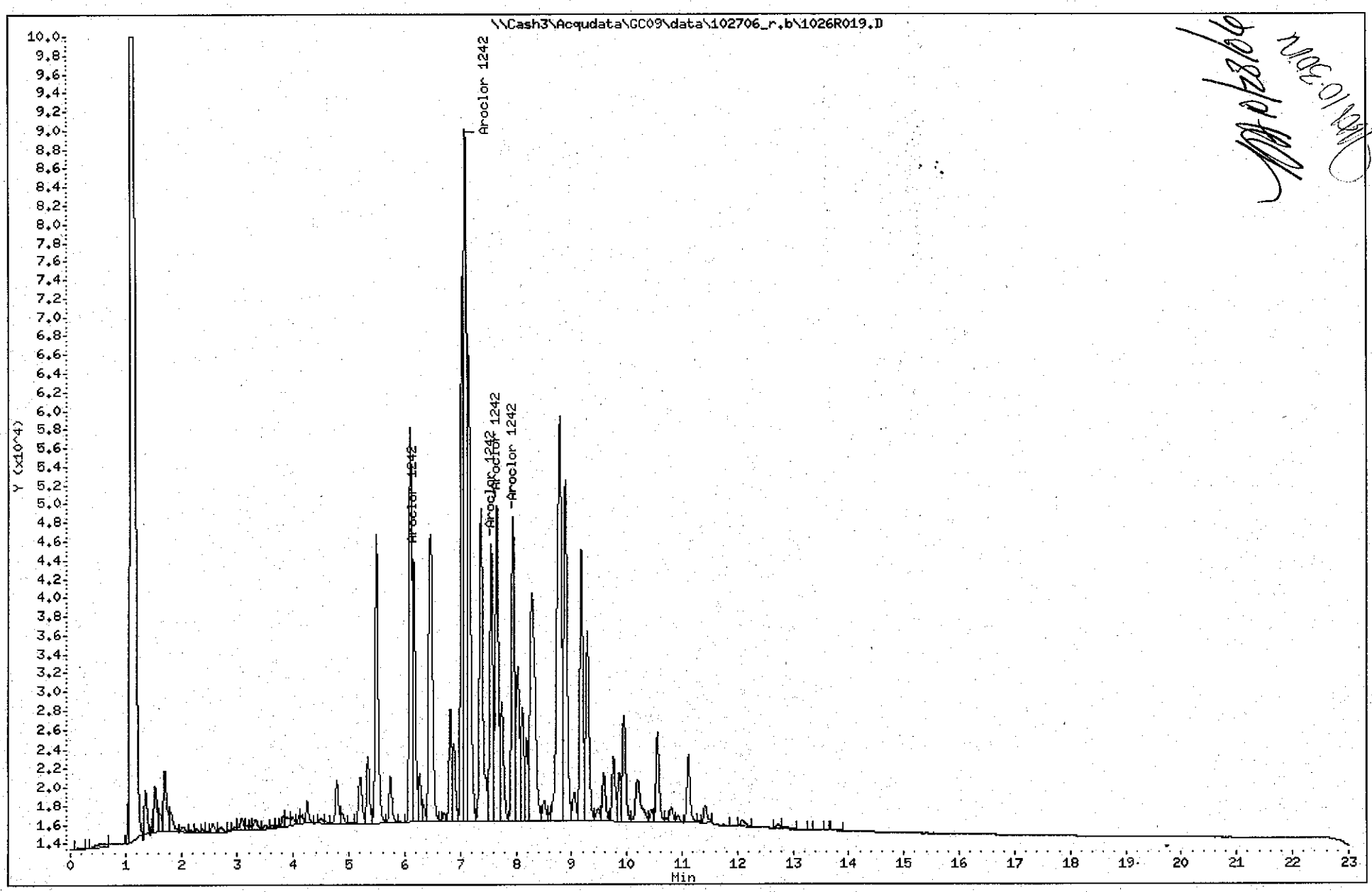


Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R019.D
Date : 28-OCT-2006 01:34
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76D | KWG0605028-13

Column phase: DB-XLB

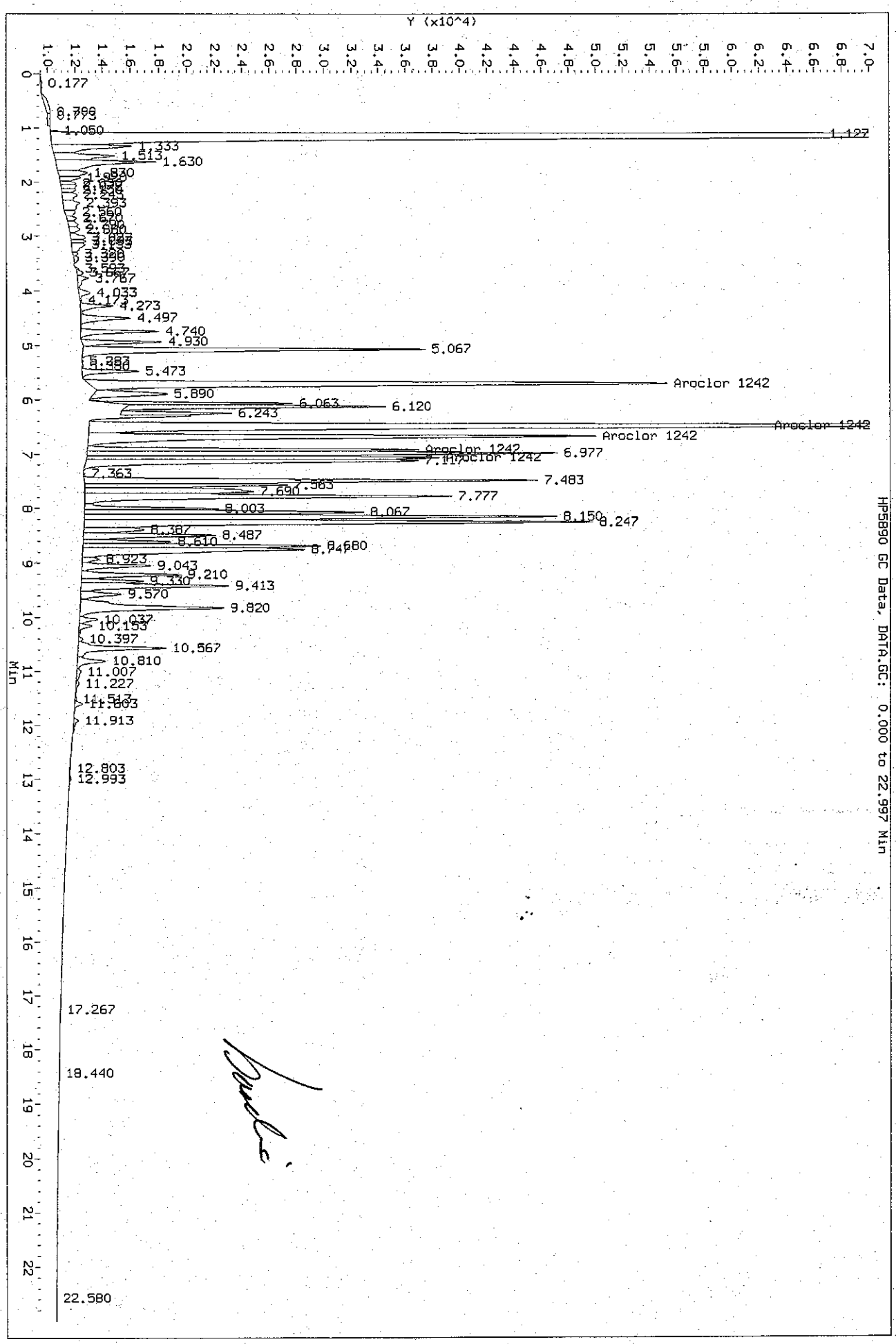
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



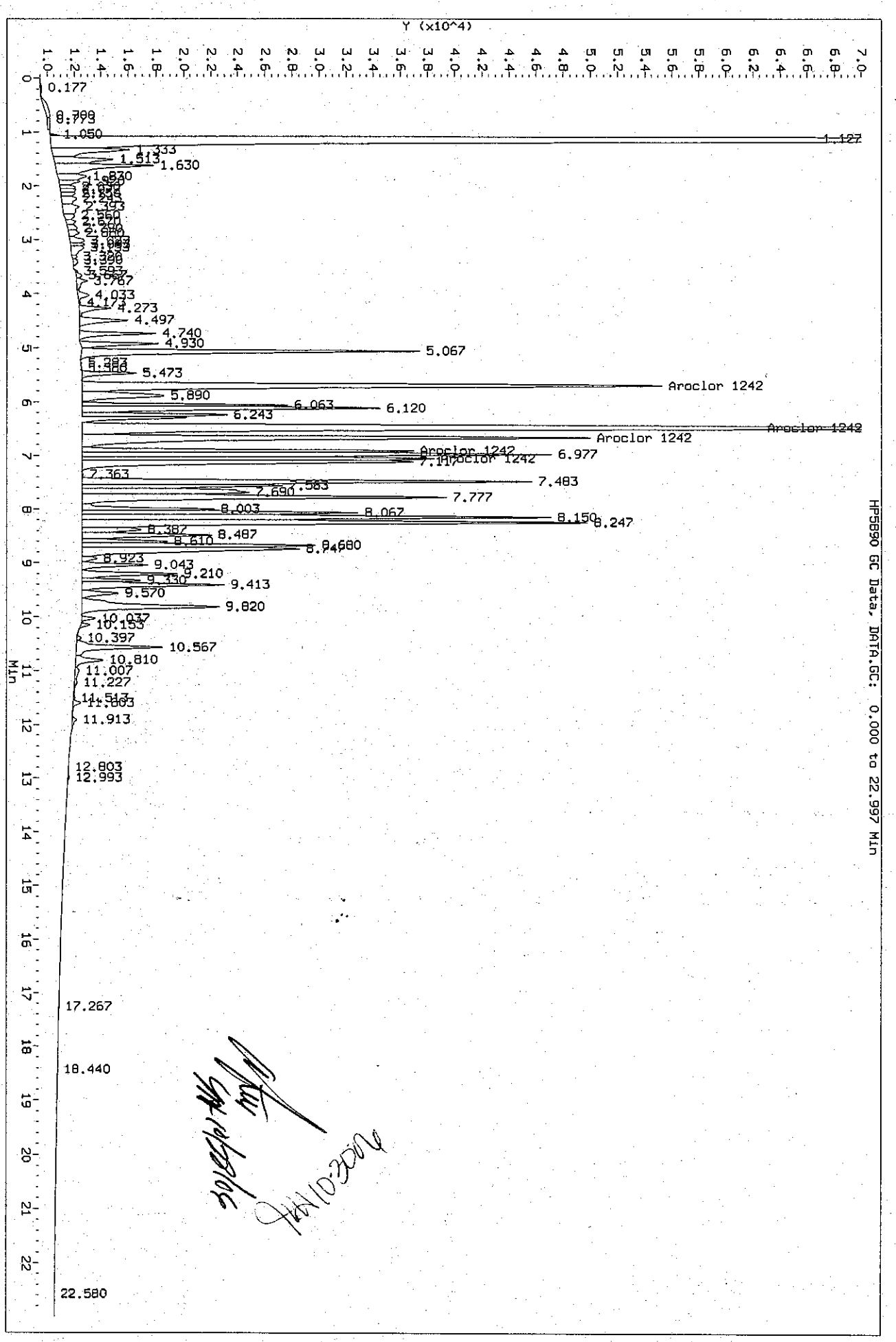
900
B - 1528

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
Injection Date: 28-OCT-2006 01:34
Instrument: GC09.i
Client Sample ID:



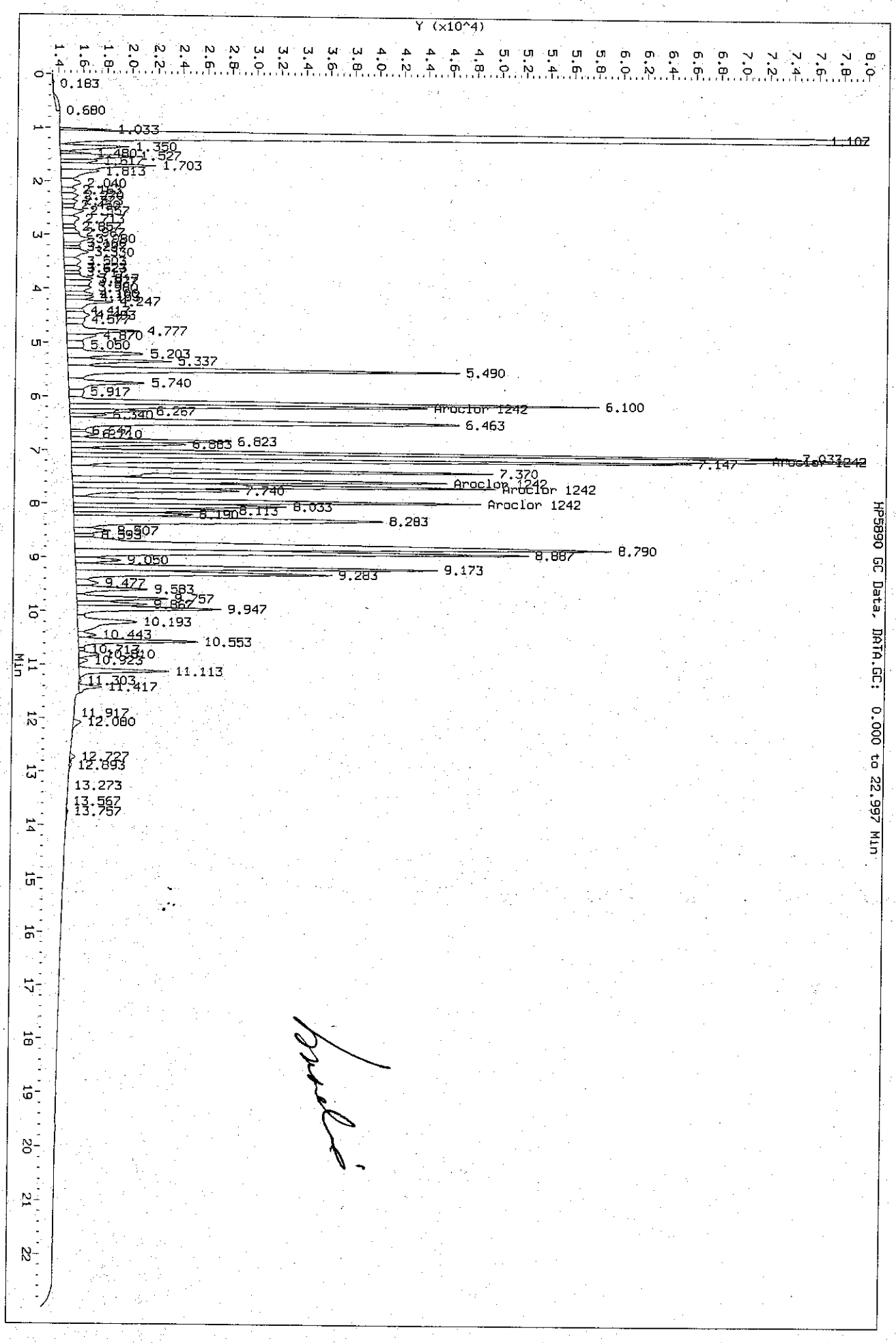
HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F019.D
Injection Date: 28-OCT-2006 01:34
Instrument: GC09.I
Client Sample ID:

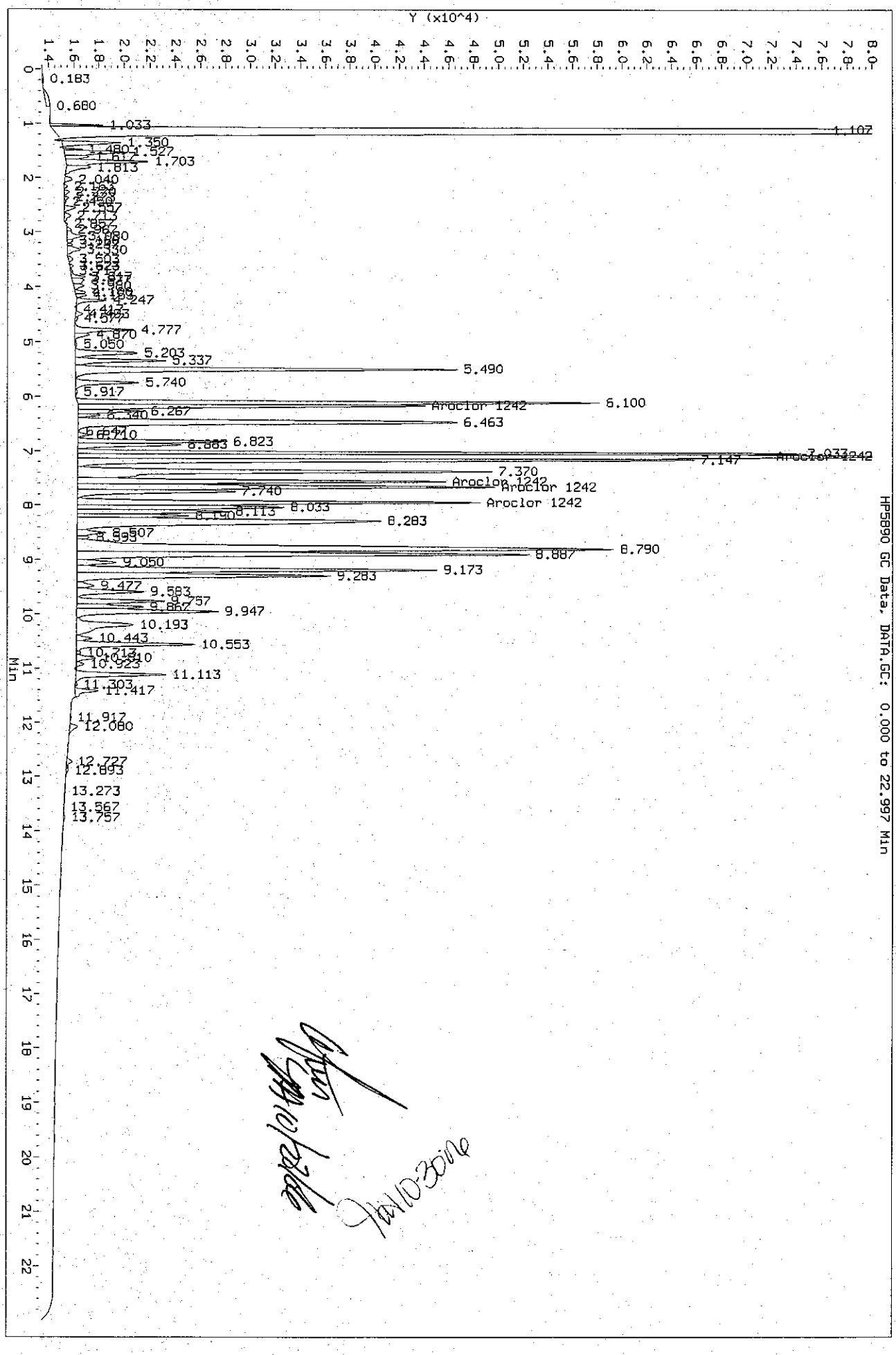


HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R019.D
Injection Date: 28-OCT-2006 01:34
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R019.D
Injection Date: 28-OCT-2006 01:34
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F023.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F023.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R023.D
Inj Date : 28-OCT-2006 03:23
Sample Info: 1248 @ 1000ppb | PCB4-76E | KWG0605028-17
Misc Info : SEMIVOA GC\W0605028\17-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.980	7.653	254057	194594	1000	1000	80.00- 120.00	100.00(M)
	7.483	7.940	212374	209435	1000	1000	66.87- 100.31	83.59(M)
	7.780	8.277	171759	210394	1000	1000	54.09- 81.13	67.61(M)
	8.150	8.790	254064	437605	1000	1000	80.00- 120.00	100.00(M)
	8.247	8.887	312916	264208	1000	1000	98.53- 147.80	123.17(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/26/06
AW030000

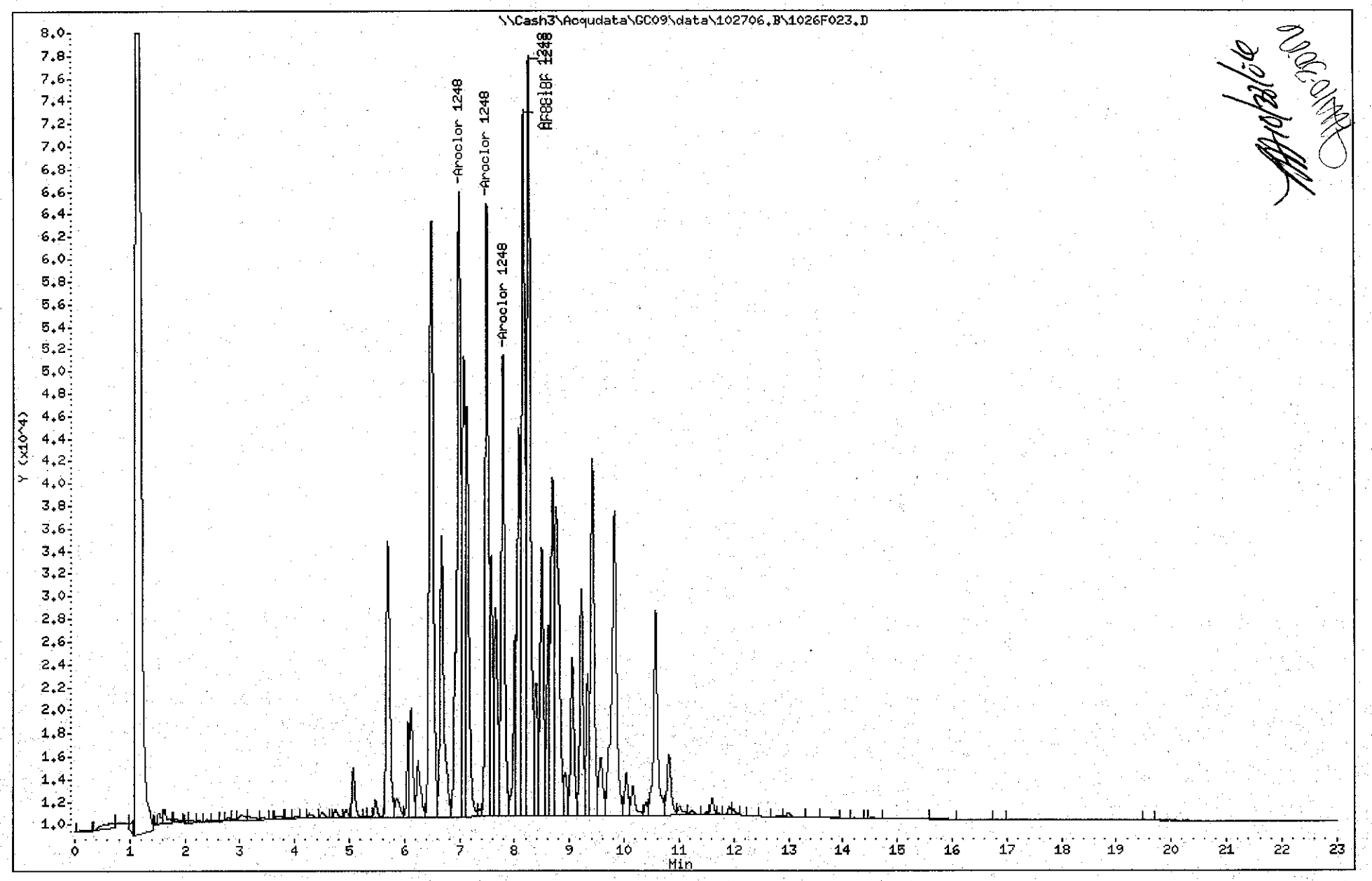
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F023.D
Date : 28-OCT-2006 03:23
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76E | KWG0605028-17

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

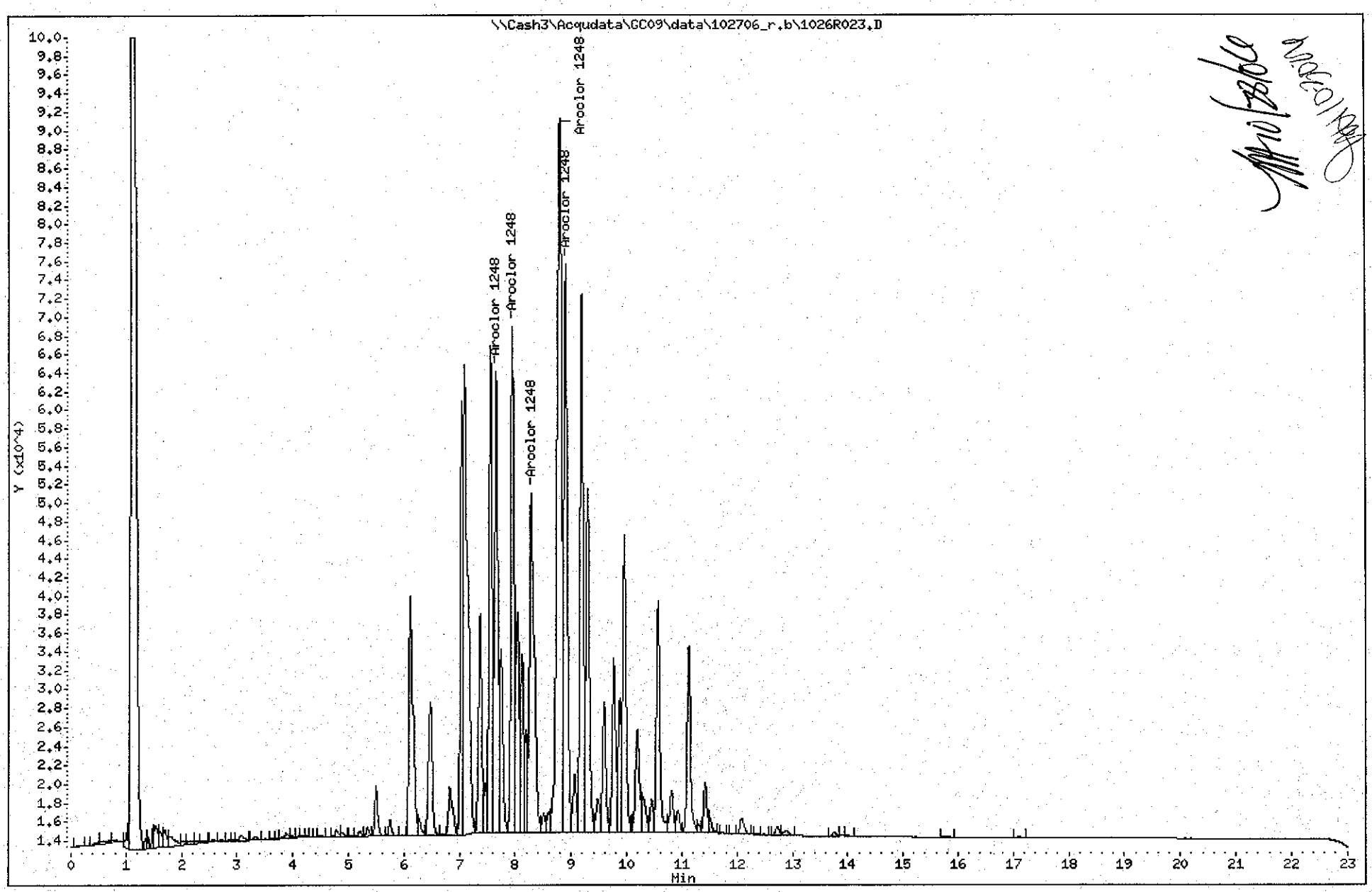


Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R023.D
Date : 28-OCT-2006 03:23
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76E | KWG0605028-17

Column phase: DB-XLB

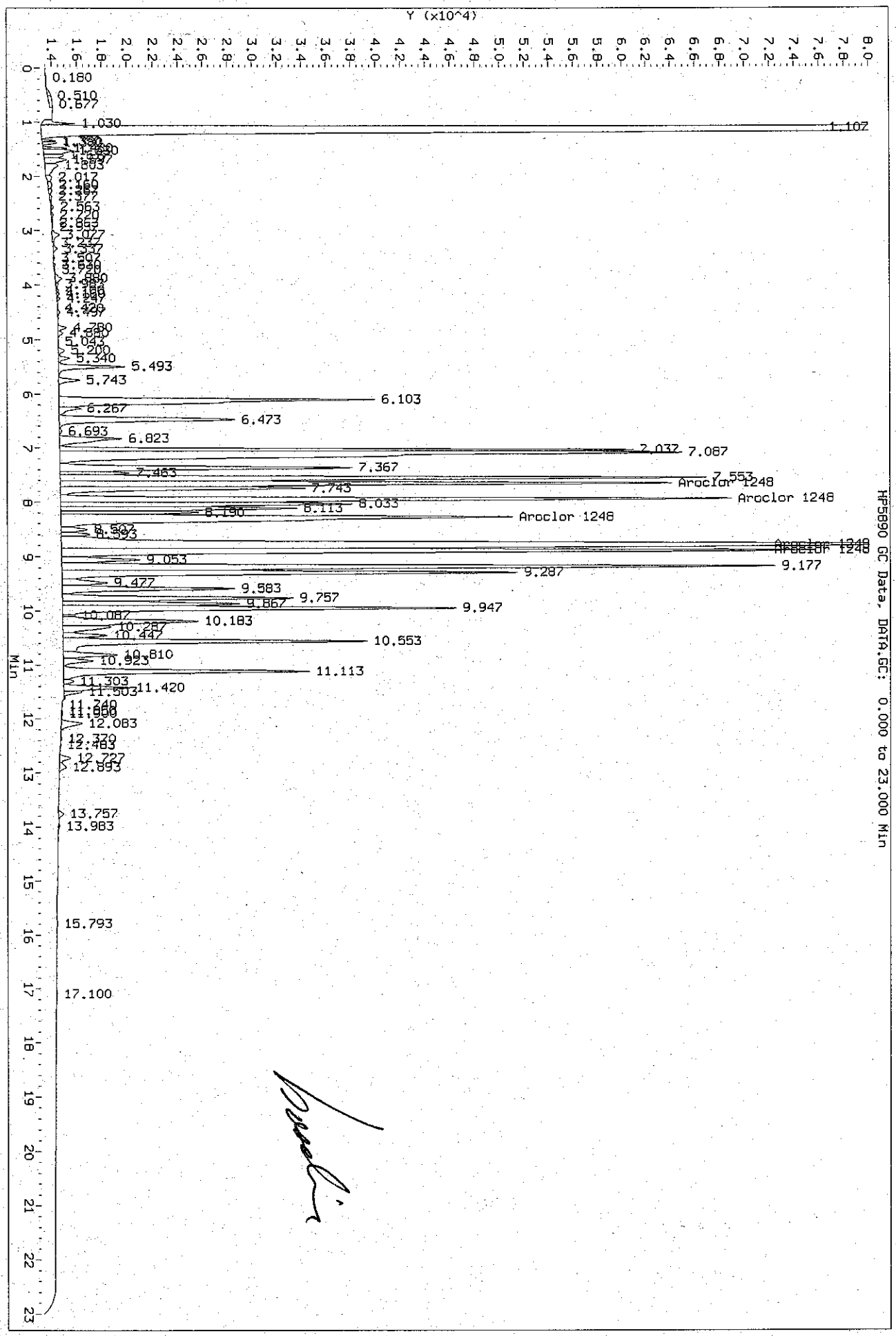
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



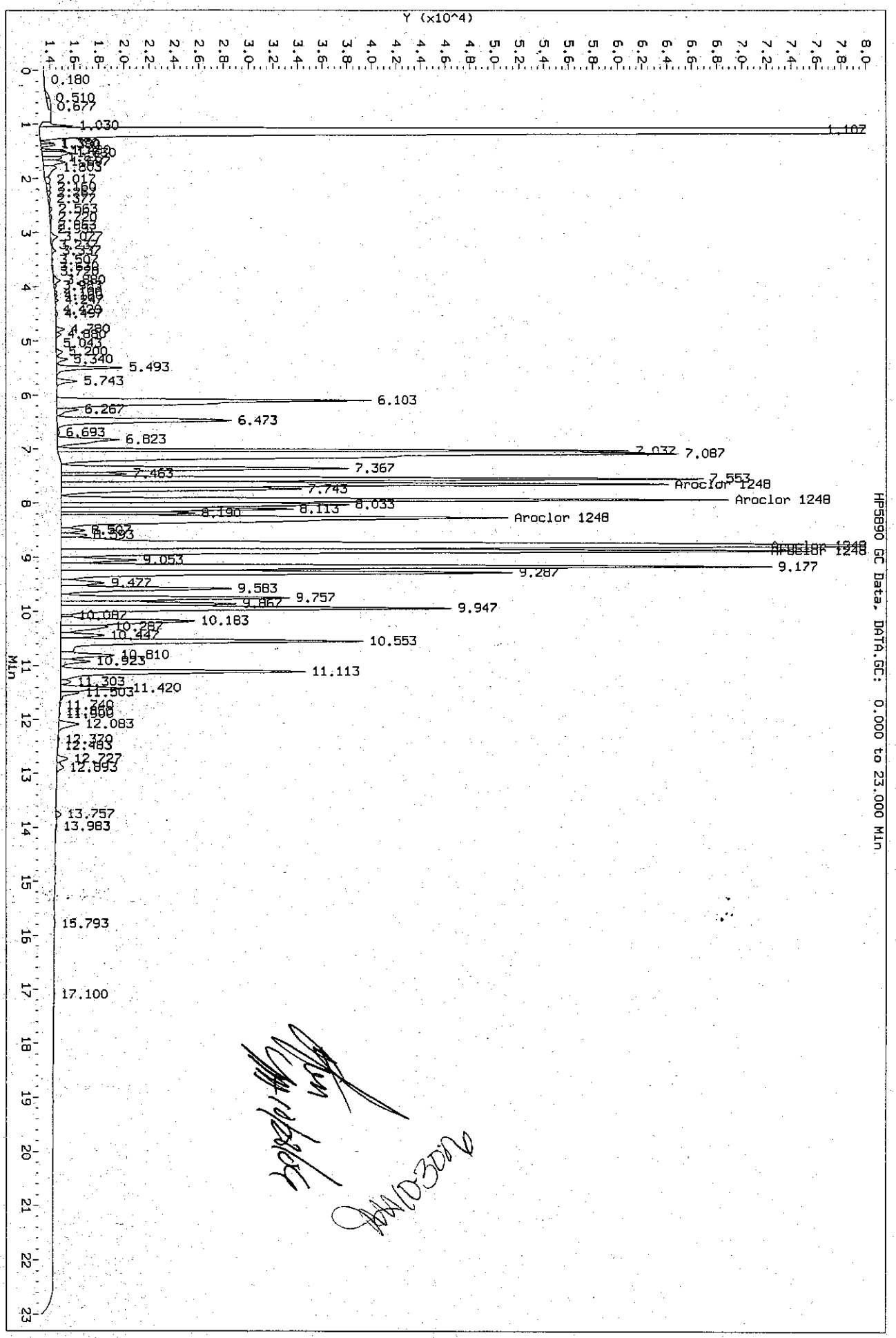
907
B - 1535

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R023.D
Injection Date: 28-OCT-2006 03:23
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R023.D
Injection Date: 28-OCT-2006 03:23
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F027.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F027.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R027.D
Inj Date : 28-OCT-2006 05:12
Sample Info: 1254 @ 1000ppb | PCB4-76F | KWG0605028-21
Misc Info : SEMIVOA GC\W0605028\21-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1254.SUB
Sub List #2 : AR1254.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1254	8.240	9.177	278252	356145	1000	1000	80.00- 120.00	100.00(M)
	8.487	9.757	291090	188510	1000	1000	83.69- 125.54	104.61(M)
	9.213	9.947	199265	358729	1000	1000	57.29- 85.94	71.61(M)
	9.417	10.553	419405	285544	1000	1000	120.58- 180.87	150.73(M)
	9.820	11.420	376275	347022	1000	1000	108.18- 162.27	135.23(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/30/06

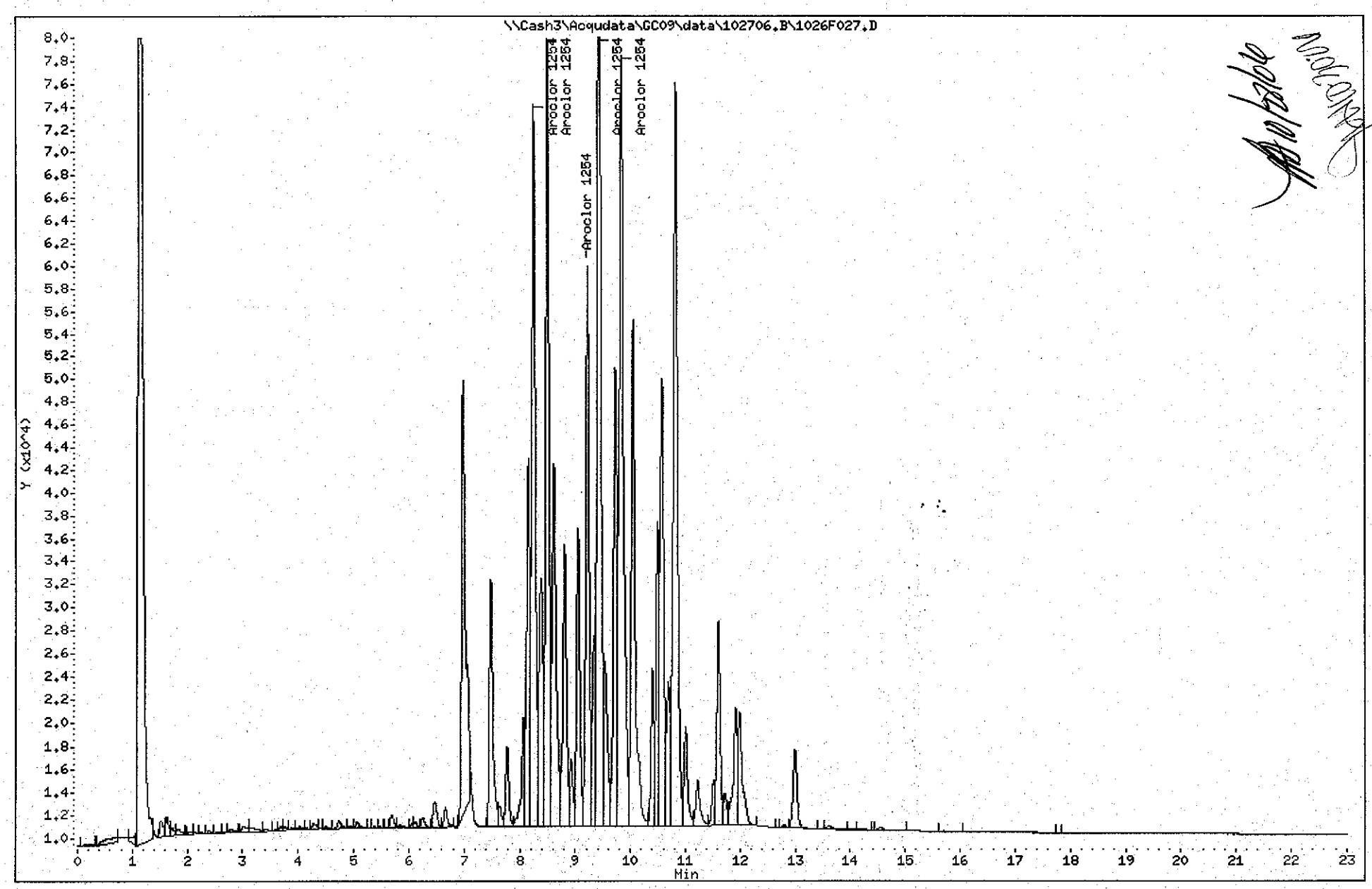
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F027.D
Date : 28-OCT-2006 05:12
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-76F | KWG0605028-21

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

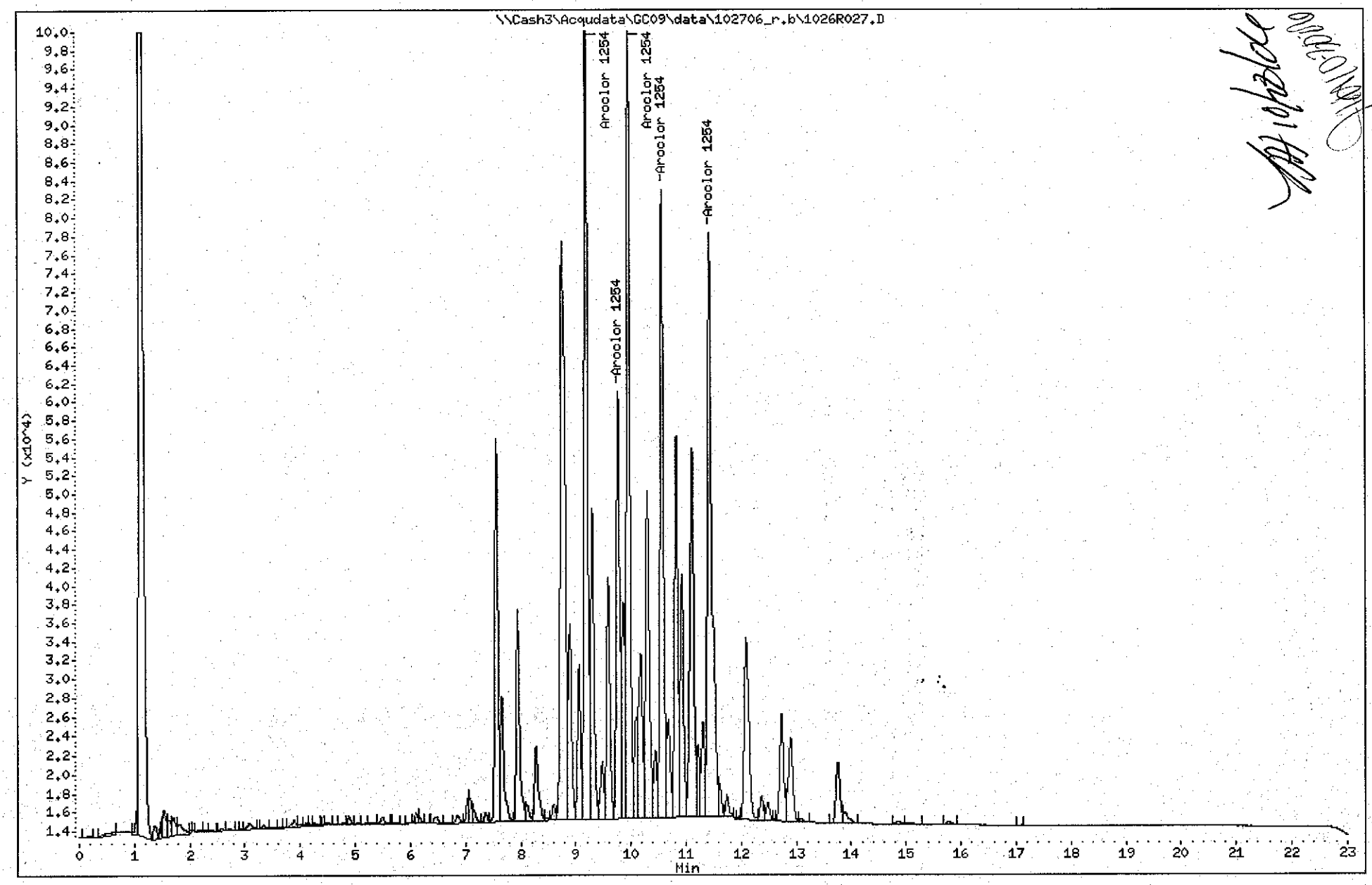


Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R027.D
Date : 28-OCT-2006 05:12
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-76F | KWG0605028-21

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-XLB



912

B - 1540

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R031.D
Inj Date : 28-OCT-2006 07:01
Sample Info: 1262 @ 1000ppb | PCB4-76G | KWG0605028-25
Misc Info : SEMIVOA GC\W0605028\25-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1262.SUB
Sub List #2 : AR1262.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1262	10.883	11.610	387810	347828	1000	1000	80.00- 120.00	100.00(M)
	11.513	12.133	295363	273761	1000	1000	60.93- 91.39	76.16(M)
	11.730	12.897	161397	587092	1000	1000	33.29- 49.94	41.62(M)
	11.993	13.760	581094	434663	1000	1000	119.87- 179.81	149.84(M)
	12.810	13.980	256812	335308	1000	1000	52.98- 79.47	66.22(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

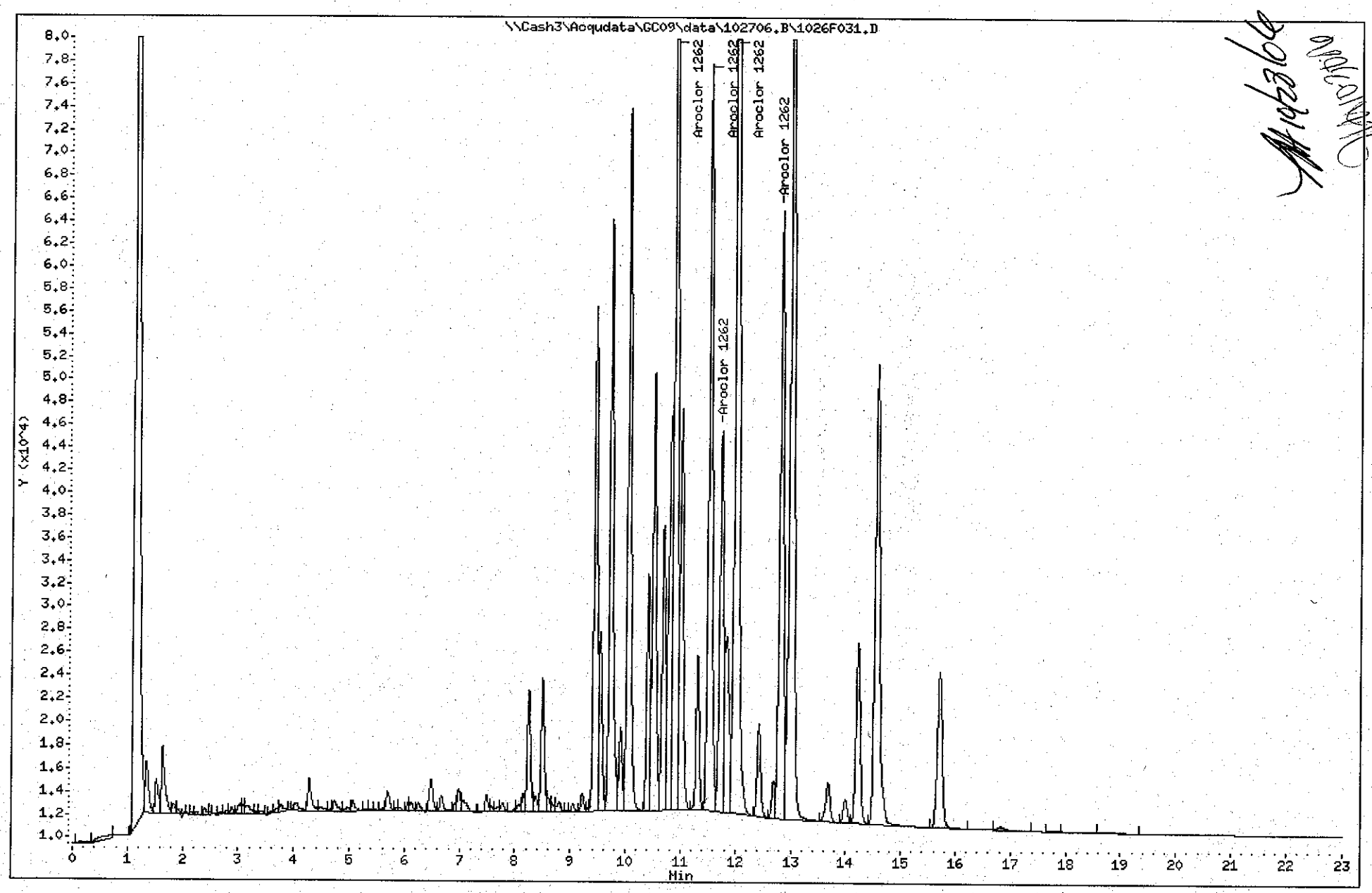
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
Date : 28-OCT-2006 07:01
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-76G | KWG0605028-25

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



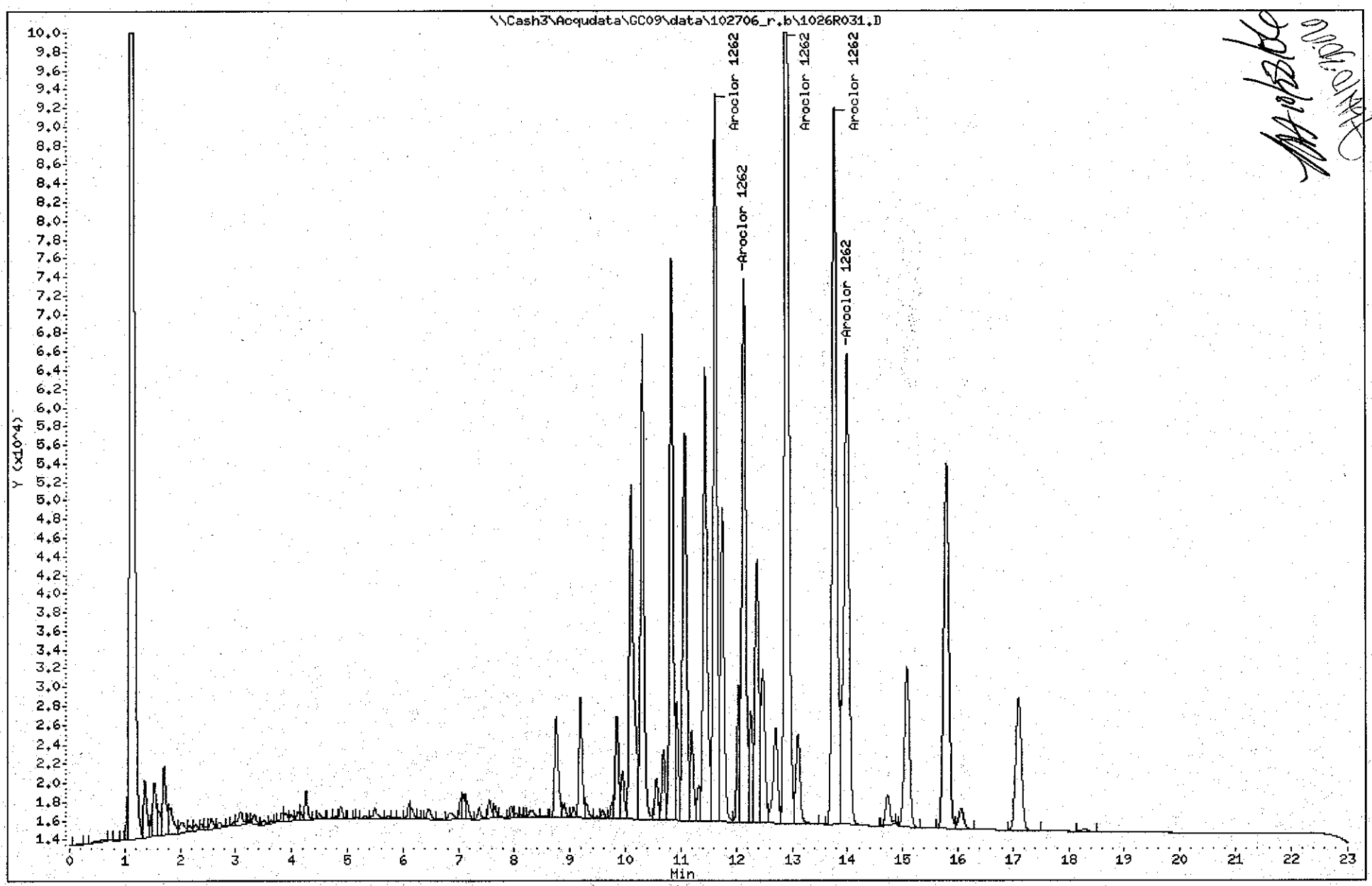
914
B - 1542

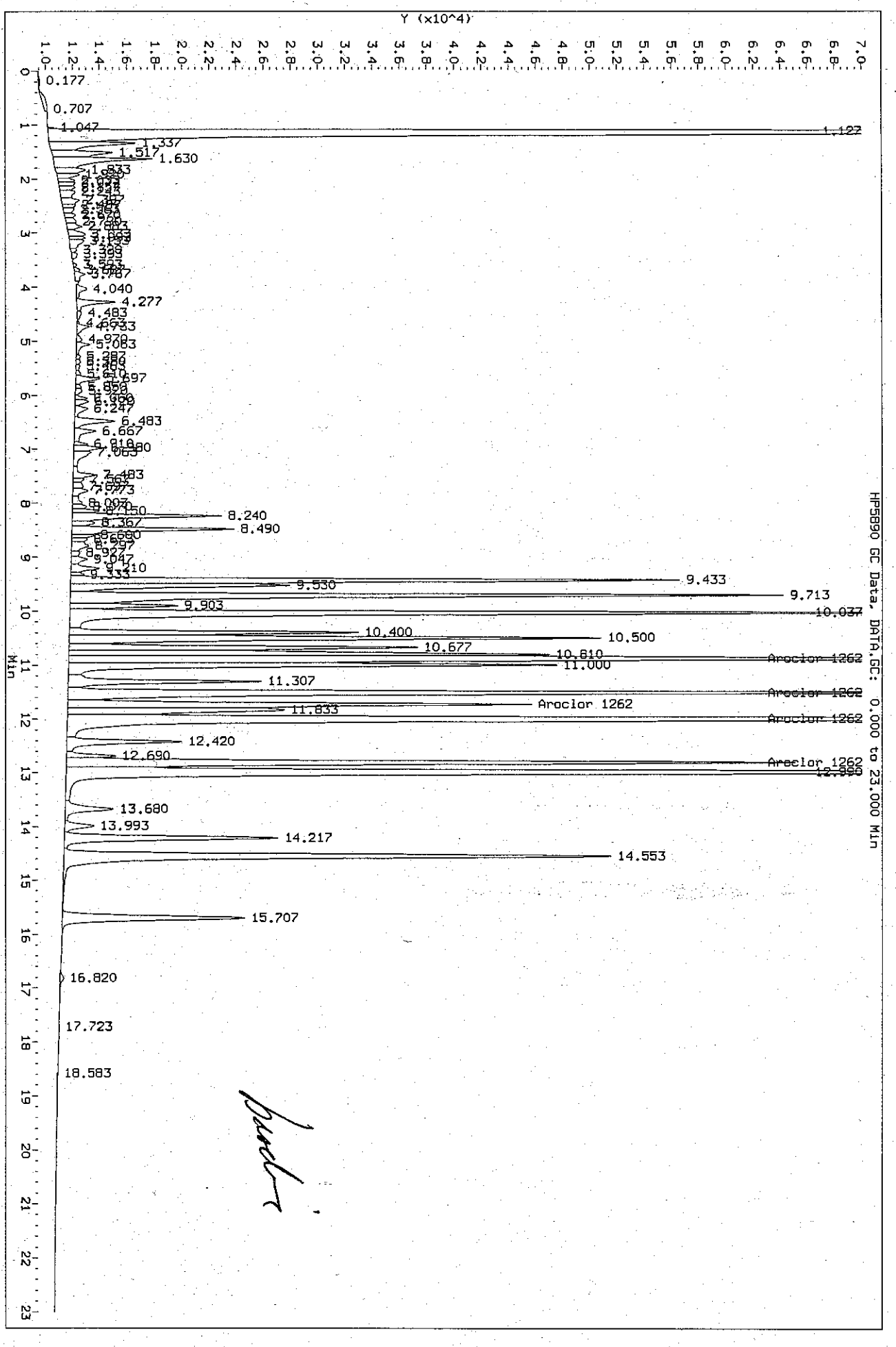
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R031.D
Date : 28-OCT-2006 07:01
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-76G | KWG0605028-25

Column phase: DB-XLB

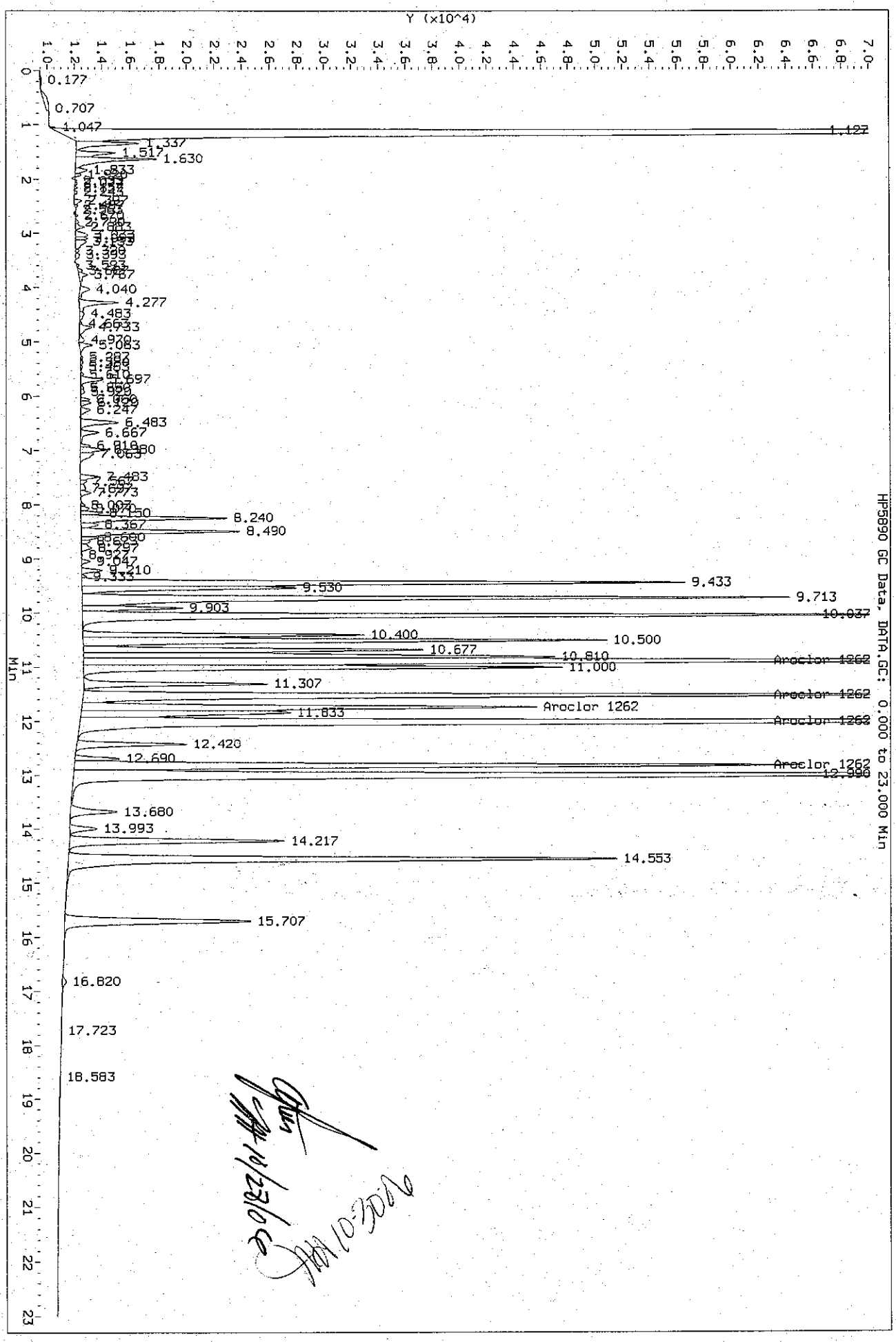
Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53




Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
Injection Date: 28-OCT-2006 07:01
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min
Y (x10^4)
Min
0.177
0.707
1.047
1.122
1.337
1.517
1.630
1.833
4.040
4.277
4.483
4.933
5.063
6.483
6.667
7.063
7.483
7.773
8.240
8.490
9.433
9.530
9.713
9.903
10.037
10.400
10.500
10.677
10.810
11.000
Aroclor 1262
11.307
Aroclor 1262
11.833
Aroclor 1262
Aroclor 1262
12.420
12.690
Aroclor 1262
12.990
13.680
13.993
14.217
14.553
15.707
16.820
17.723
18.583

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F031.D
Injection Date: 28-OCT-2006 07:01
Instrument: GC09.i
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F035.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F035.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R035.D
Inj Date : 28-OCT-2006 08:50
Sample Info: 1268 @ 1000ppb | PCB4-76H | KWG0605028-29
Misc Info : SEMIVOA GC\W0605028\29-ICAL.H
Cal Date : 28-OCT-2006 12:48
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1268.SUB
Sub List #2 : AR1268.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1268	12.977	13.987	752876	766384	1000	1000	80.00- 120.00	100.00(M)
	13.683	14.730	651705	689000	1000	1000	69.25- 103.87	86.56(M)
	13.997	15.030	172436	205753	1000	1000	18.32- 27.48	22.90(M)
	14.553	15.787	277197	304049	1000	1000	29.45- 44.18	36.82(M)
	15.707	17.097	1948260	2024416	1000	1000	207.02- 310.53	258.78(M)
			Average of Peak Amounts =		1000	1000		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

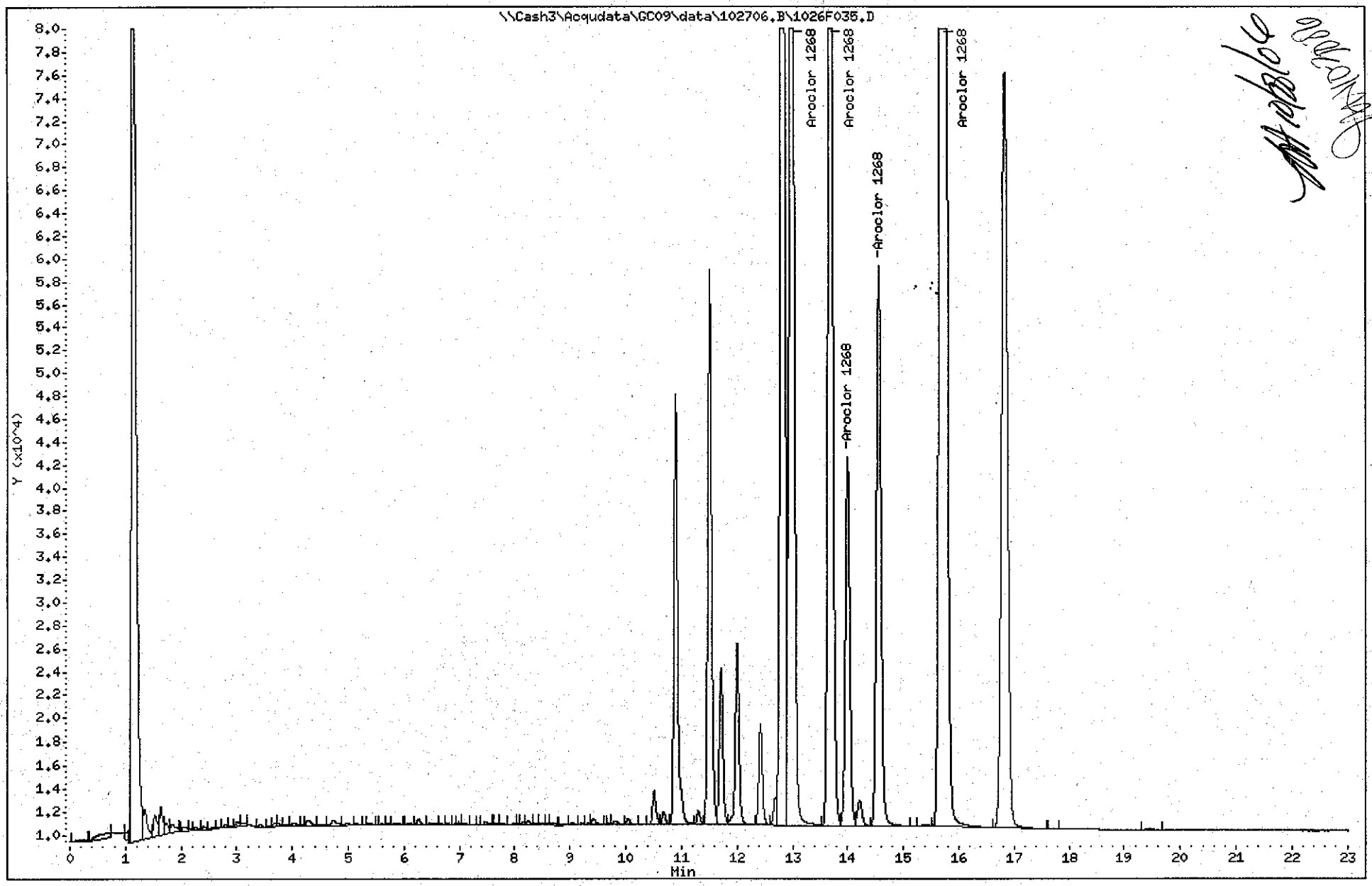
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F035.D
Date : 28-OCT-2006 08:50
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-76H | KWG0605028-29

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



919

B - 1547

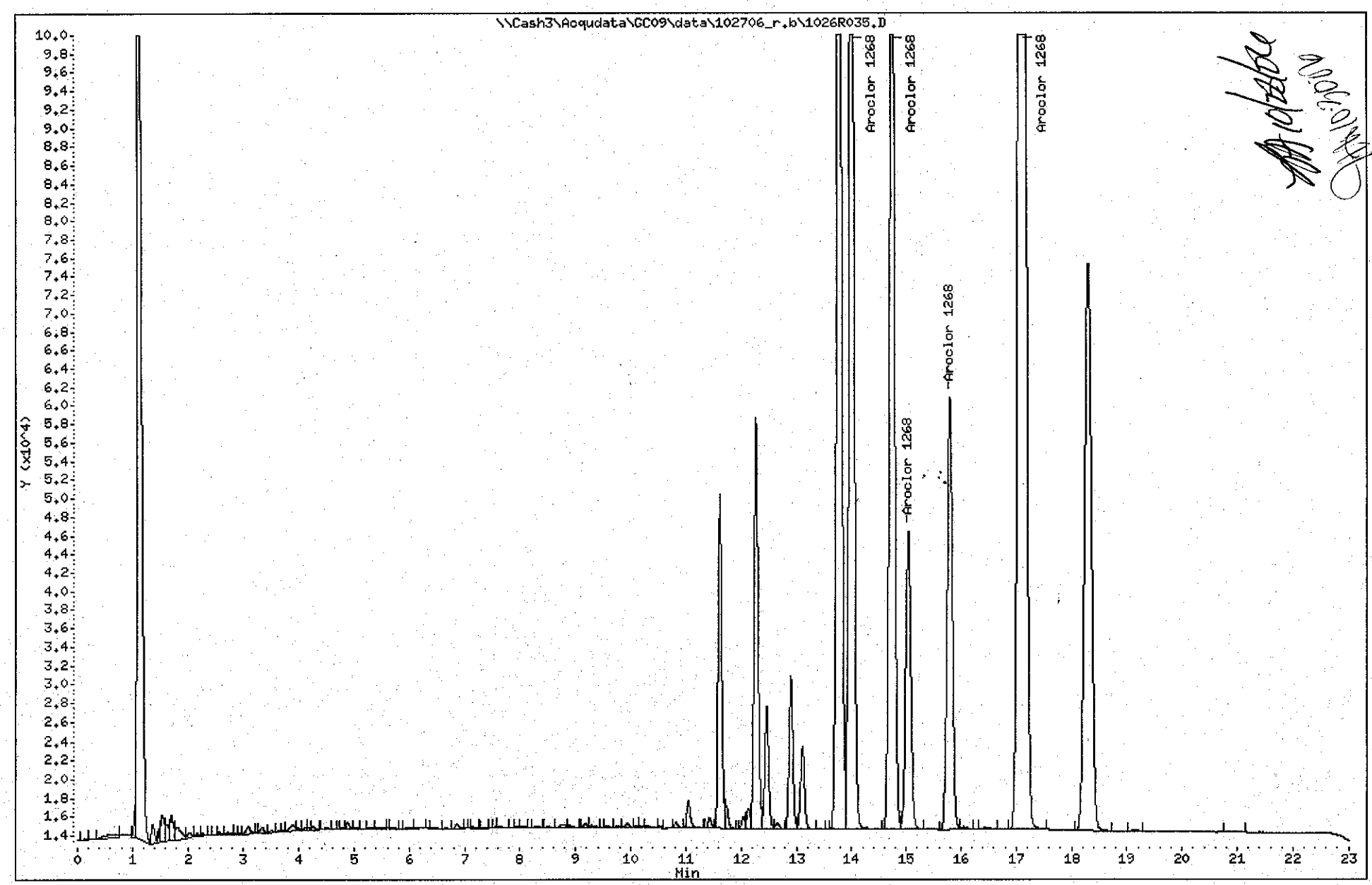
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R035.D
Date : 28-OCT-2006 08:50
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-76H | KWG0605028-29

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R037.D
Inj Date : 28-OCT-2006 09:45
Sample Info: 1016 @ 1000ppb | PCB4-76P | KWG0605028-36
Misc Info : SEMIVOA GC\W0605028\36-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1016.sub
Sub List #2 : AR1016.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1016	6.120	6.100	110241	165518	975	917	80.00- 120.00	100.00(M)
	6.483	6.160	475264	121785	910	1000	331.56- 497.34	431.11(M)
	6.667	7.090	216584	334262	954	901	151.42- 227.13	196.46(M)
	6.977	7.553	178422	135518	907	901	128.71- 193.06	161.85(M)
	7.483	7.653	152247	157121	931	903	106.59- 159.88	138.10(M)
		Average of Peak Amounts =			935	924		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

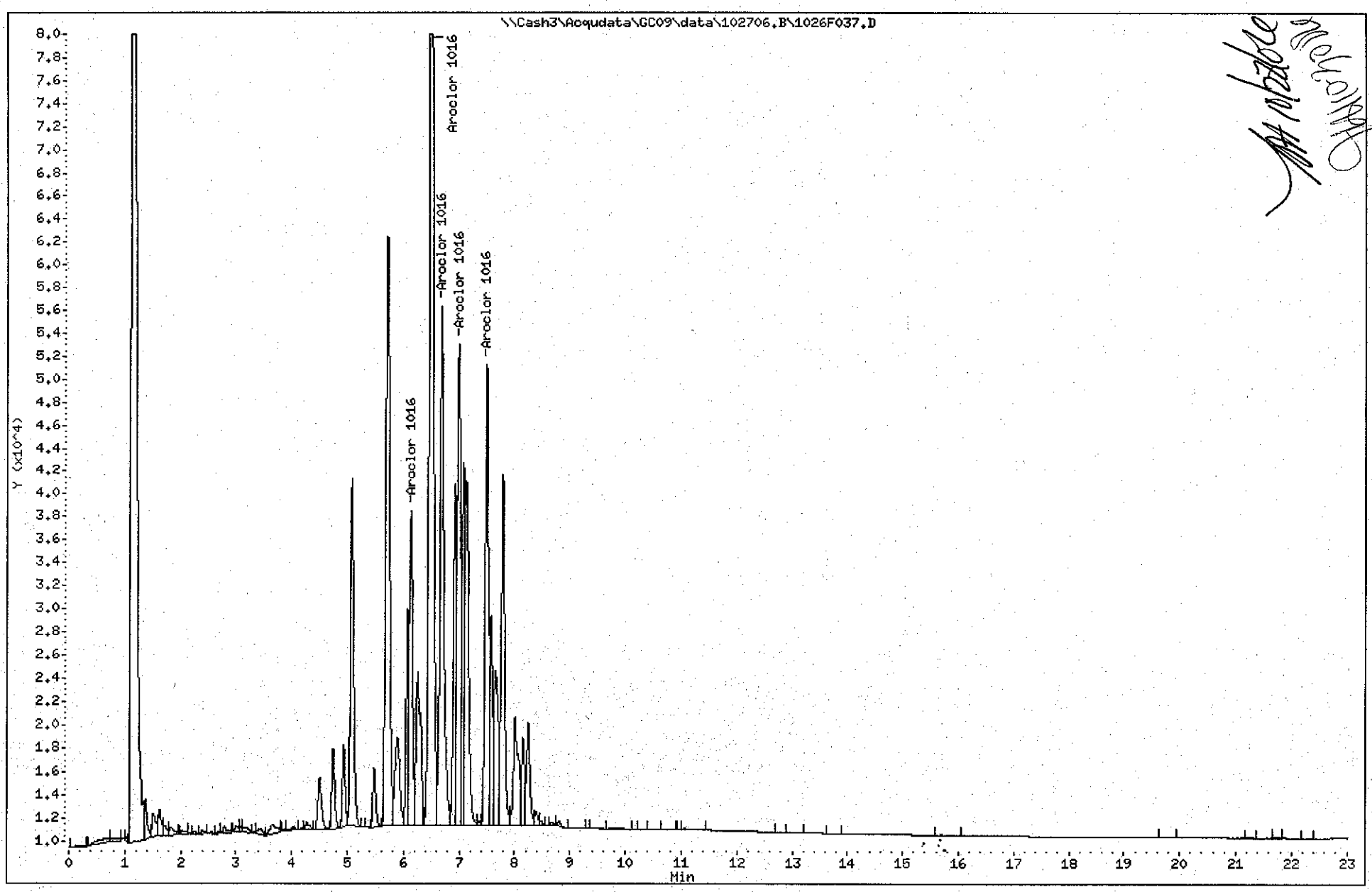
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
Date : 28-OCT-2006 09:45
Client ID:
Sample Info: 1016 @ 1000ppb | PCB4-76P | KWG0605028-36

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



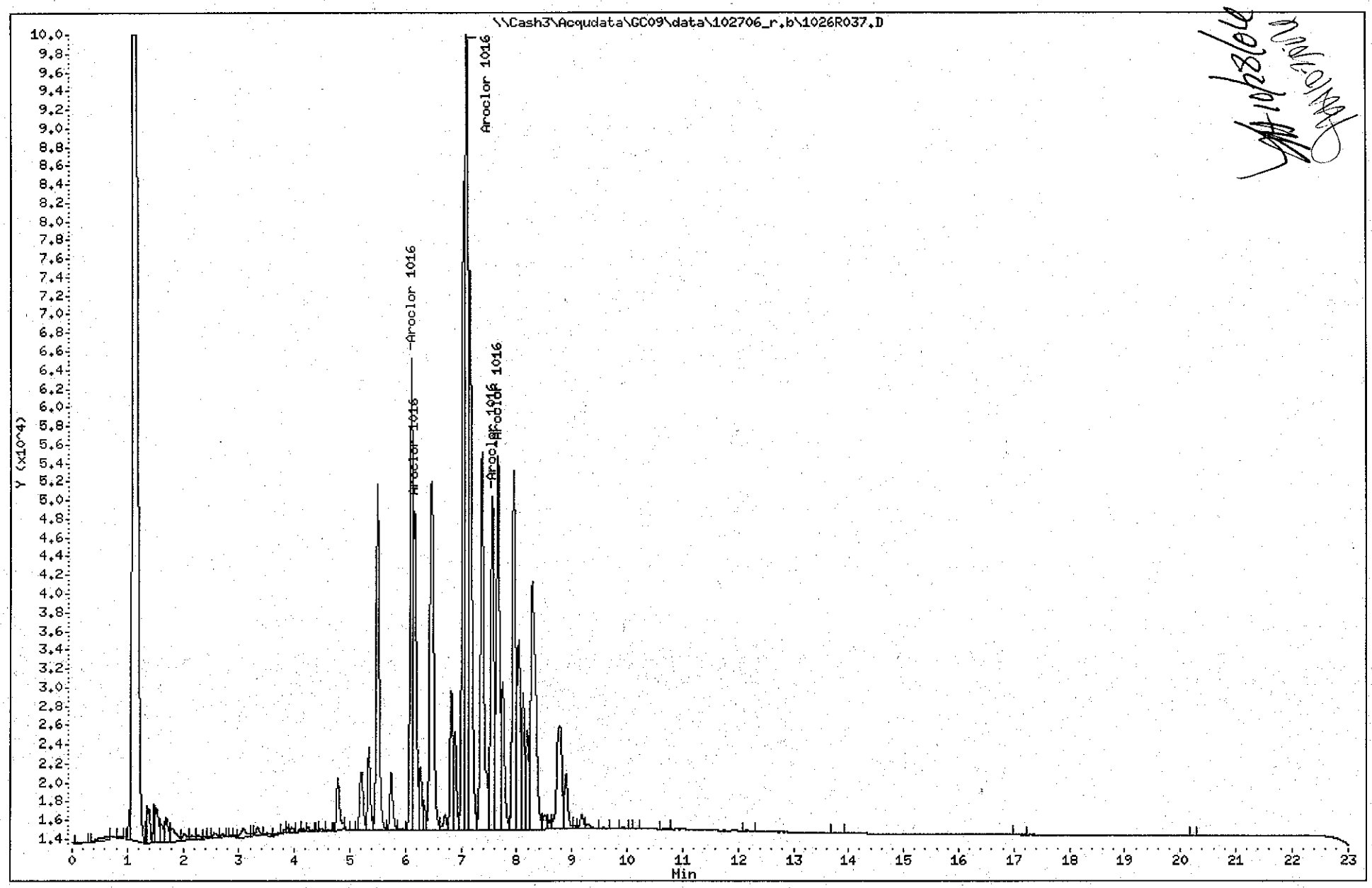
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R037.D
Date : 28-OCT-2006 09:45
Client ID:
Sample Info: 1016 @ 1000ppb | PCB4-76P | KWG0605028-36

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

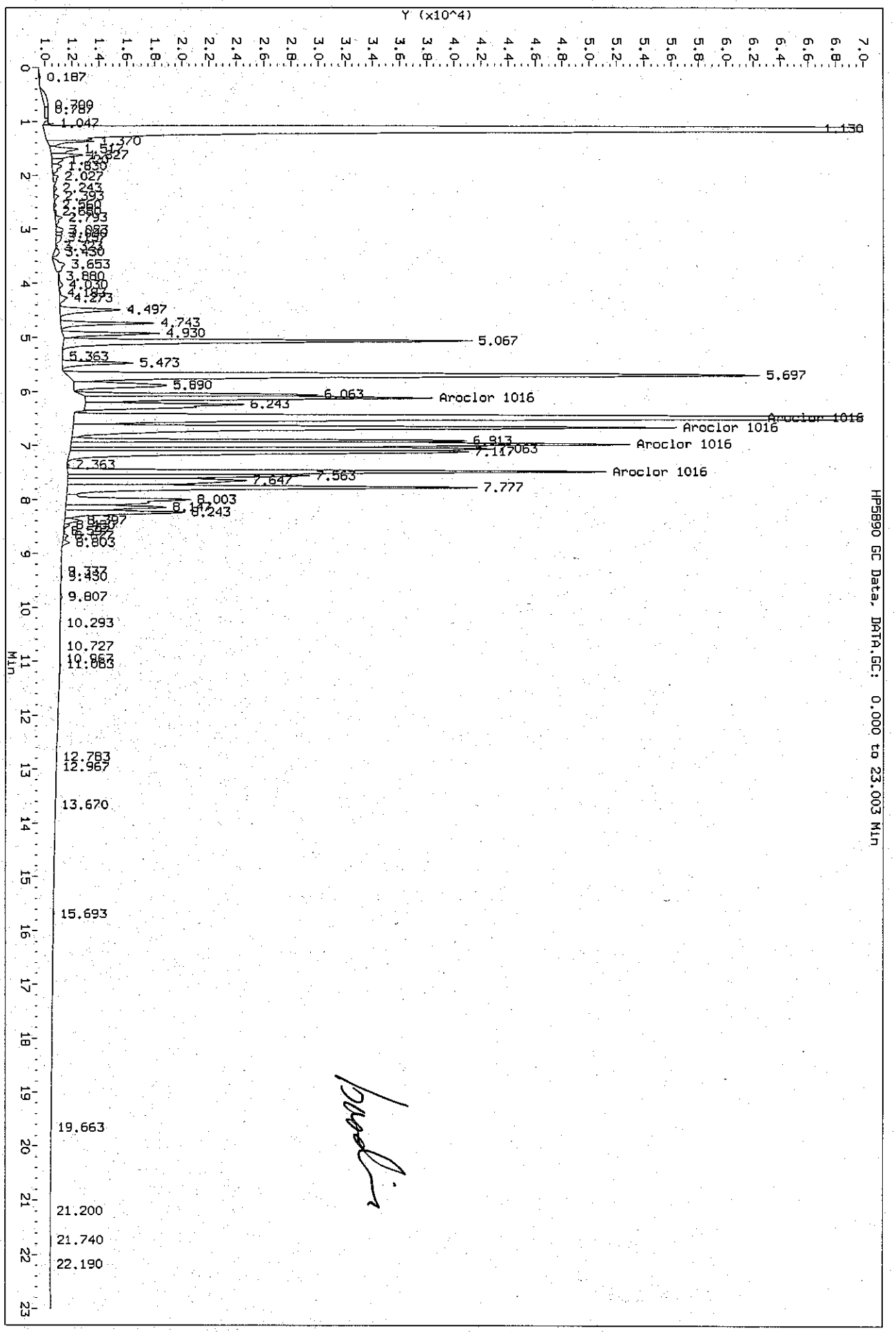
Column diameter: 0.53



923

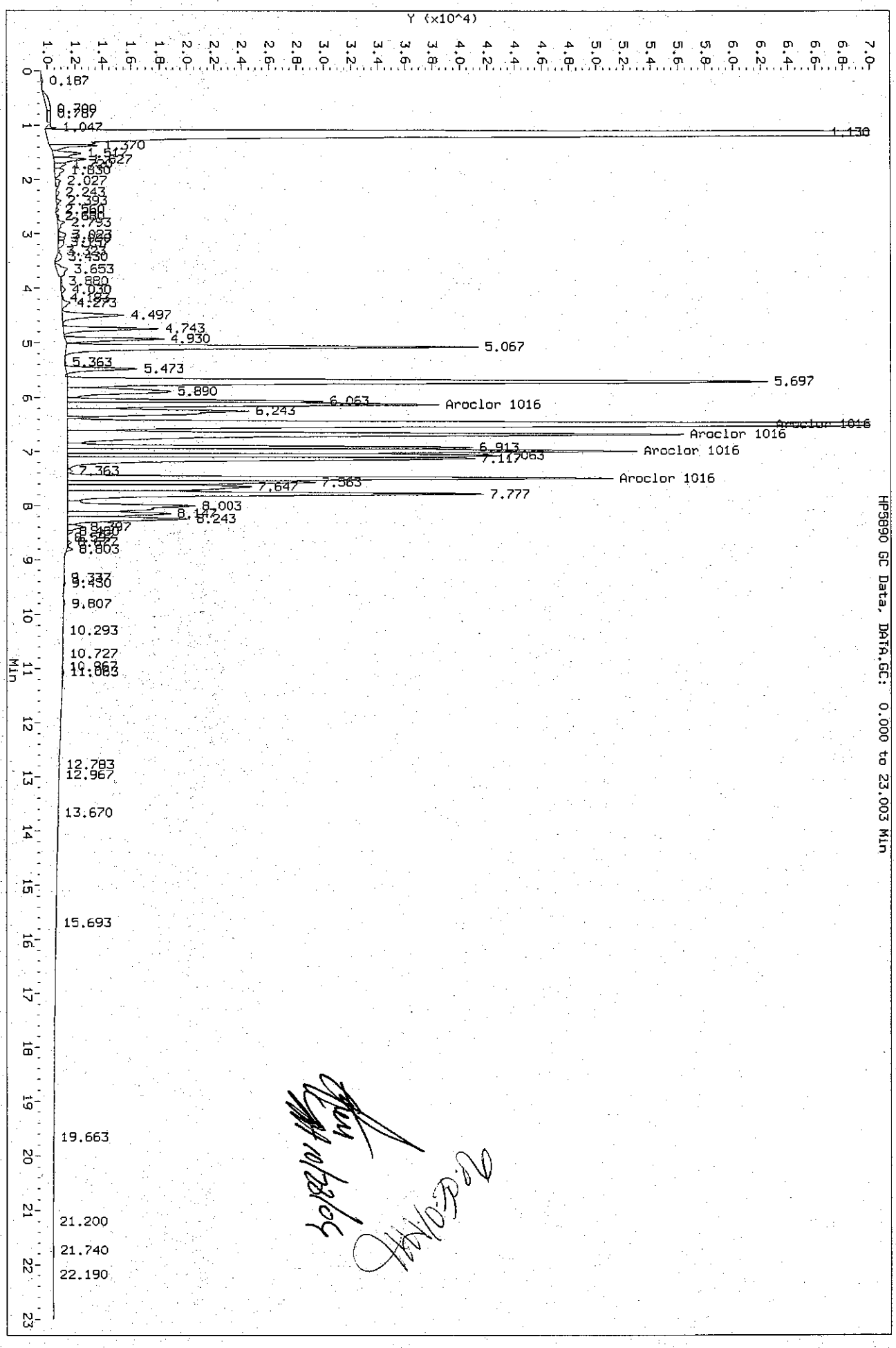
B - 1551

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
Injection Date: 28-OCT-2006 09:45
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.003 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F037.D
Injection Date: 28-OCT-2006 09:45
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.003 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F038.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F038.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R038.D
Inj Date : 28-OCT-2006 10:12
Sample Info: 1221 @ 1000ppb | PCB4-76Q | KWG0605028-37
Misc Info : SEMIVOA GC\W0605028\37-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1221.SUB
Sub List #2 : AR1221.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1221	3.643	3.933	54668	50417	1010	882	80.00- 120.00	100.00(M)
	4.743	5.213	68071	80547	930	914	108.11- 162.17	124.52(M)
	4.930	5.337	44873	54385	901	926	73.54- 110.30	82.08(M)
	5.067	5.490	157522	177450	918	937	253.50- 380.26	288.14(M)
			Average of Peak Amounts =		940	915		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

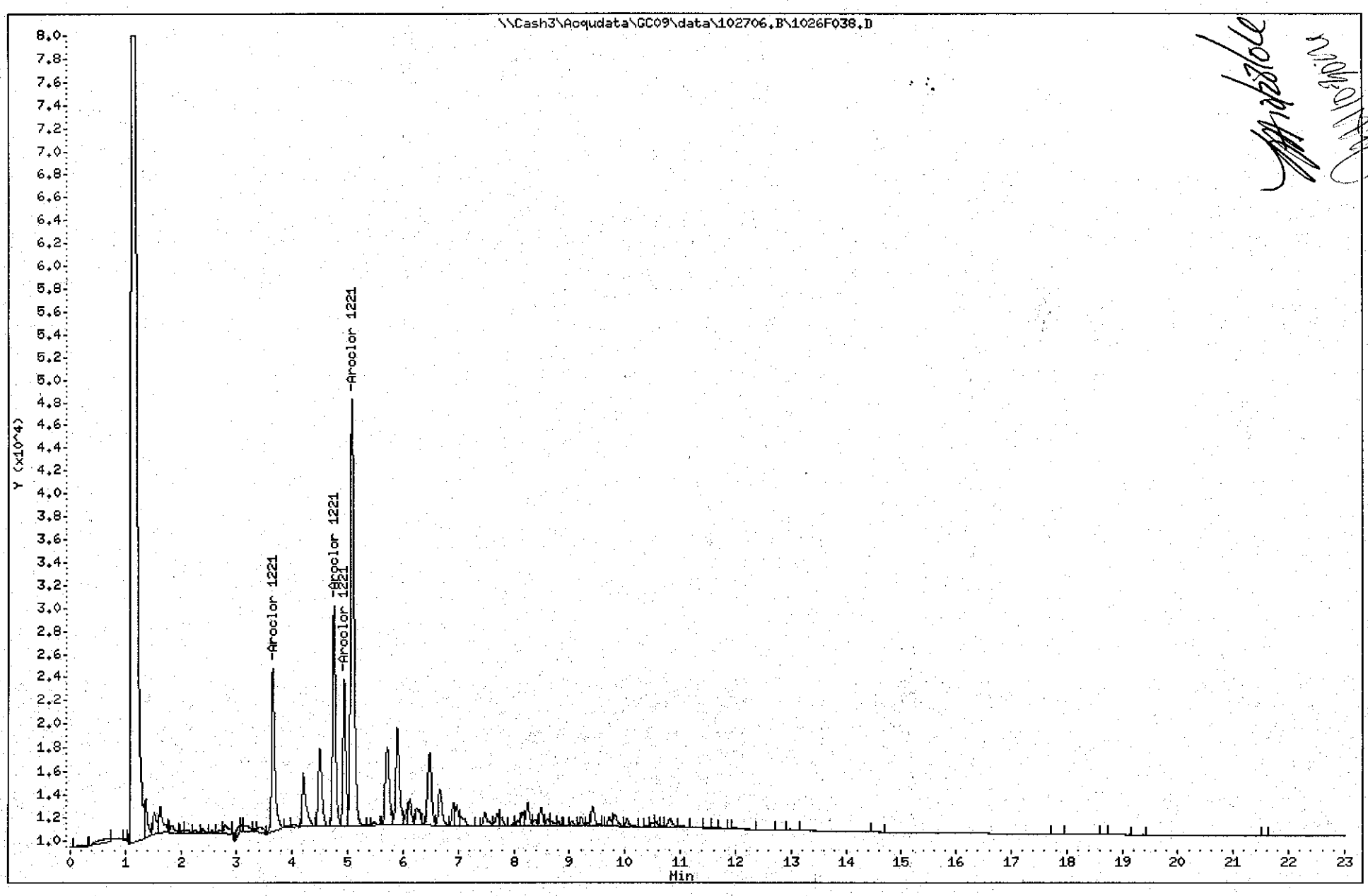
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F038.D
Date : 28-OCT-2006 10:12
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76Q | KWG0605028-37

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



927
B - 1555

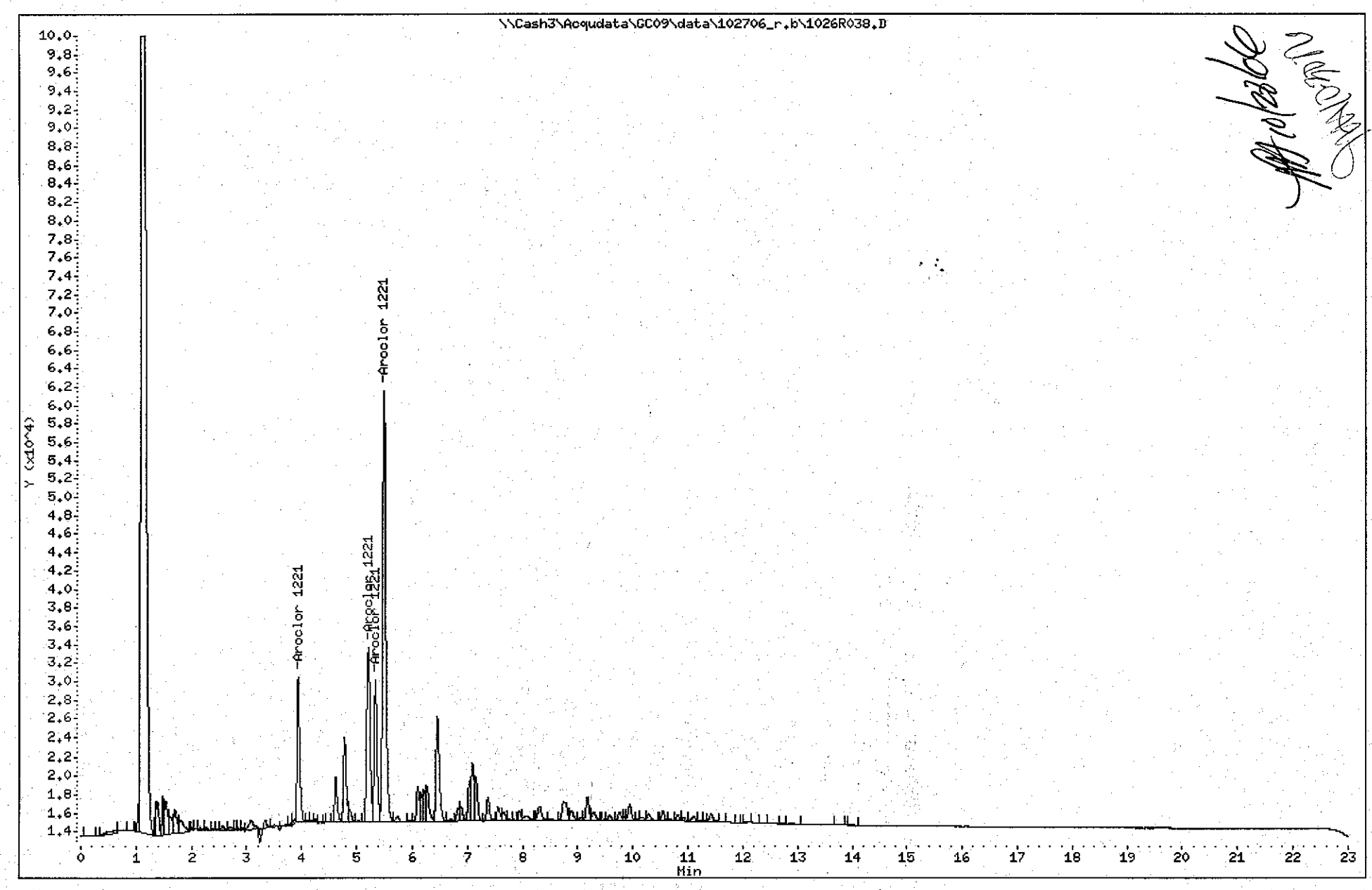
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R038.D
Date : 28-OCT-2006 10:12
Client ID:
Sample Info: 1221 @ 1000ppb | PCB4-76Q | KWG0605028-37

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

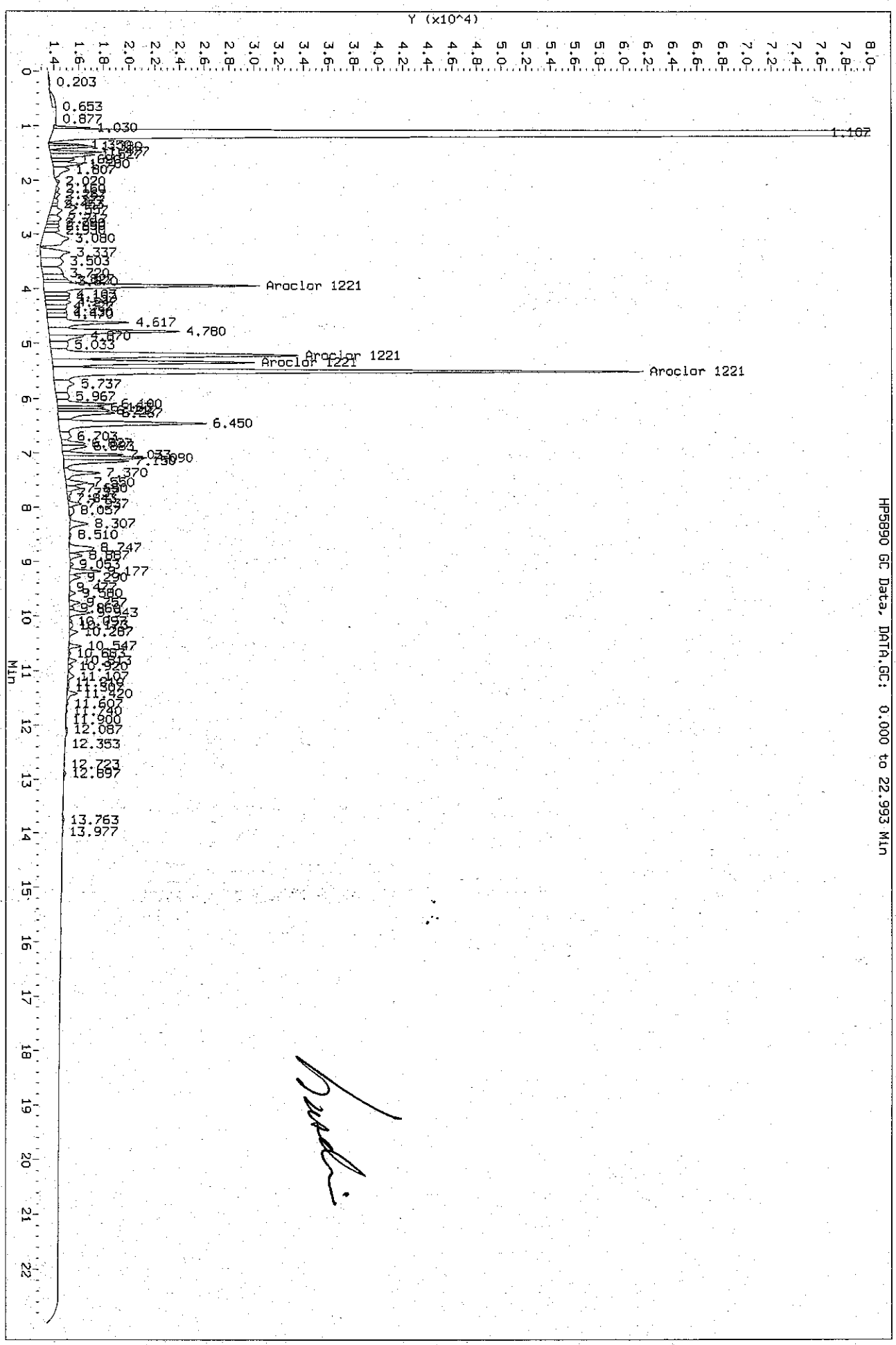
Column diameter: 0.53



928

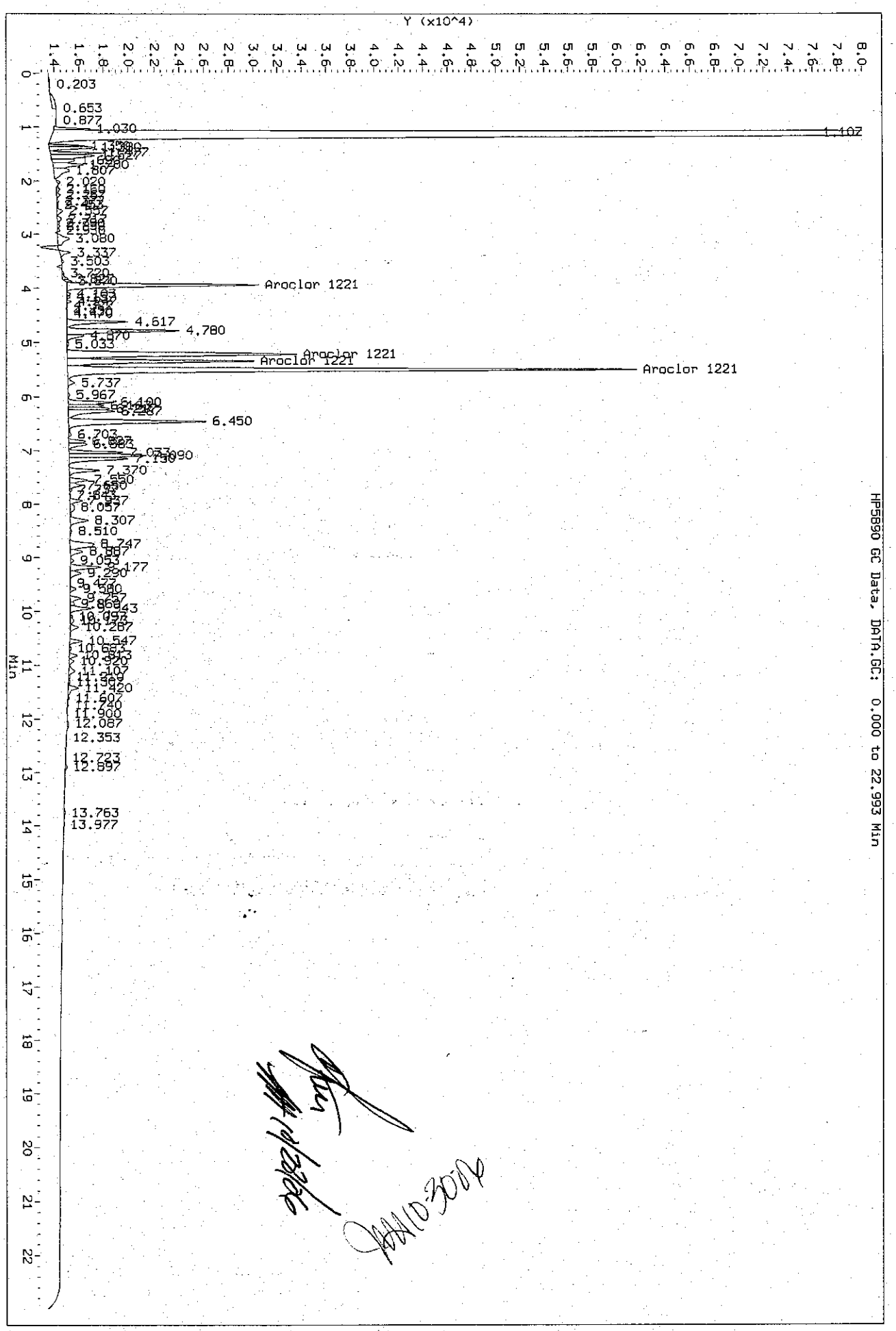
B - 1556

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R03B.D
Injection Date: 28-OCT-2006 10:12
Instrument: GC09.1
Client Sample ID:



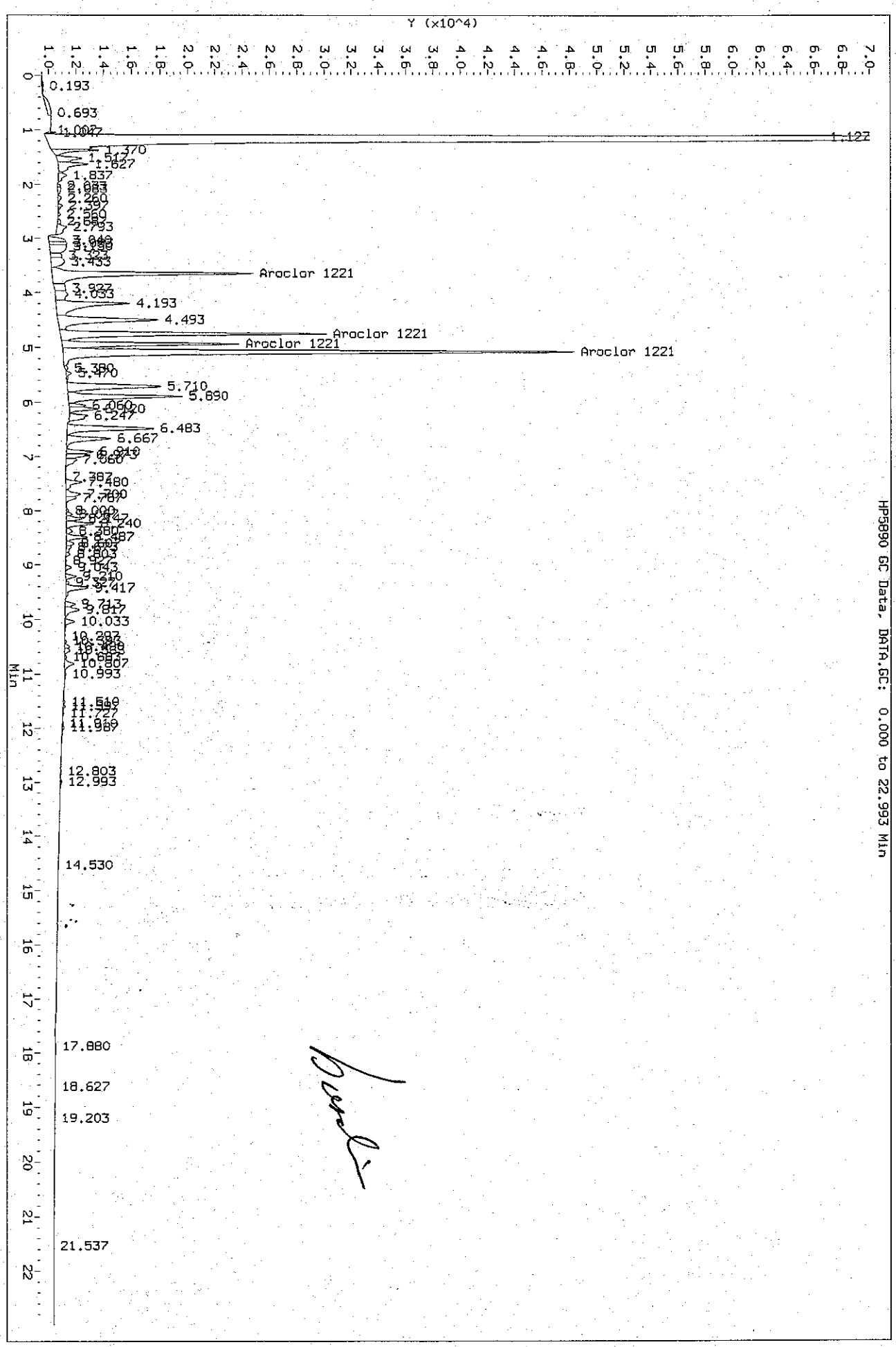
HP5890 GC Data, DATA.GC: 0.000 to 22.993 Min

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R038.D
Injection Date: 28-OCT-2006 10:12
Instrument: GC09.1
Client Sample ID:



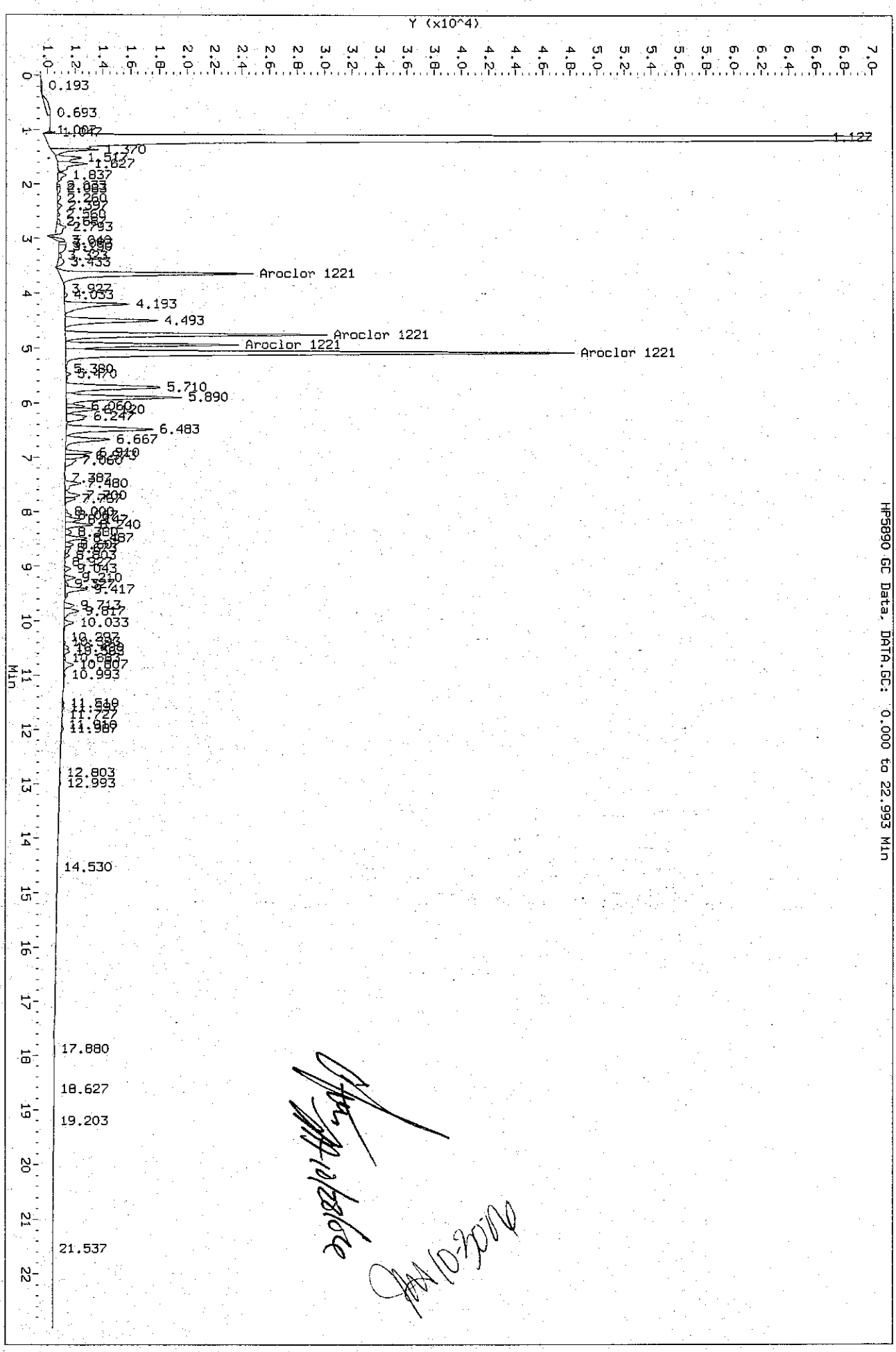
HP5890 GC Data, DATA.GC: 0.000 to 22.993 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F038.D
Injection Date: 28-OCT-2006 10:12
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.993 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F03B.D
Injection Date: 28-OCT-2006 10:12
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.993 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R039.D
Inj Date : 28-OCT-2006 10:40
Sample Info: 1232 @ 1000ppb | PCB4-76R | KWG0605028-38
Misc Info : SEMIVOA GC\W0605028\38-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1232.SUB
Sub List #2 : AR1232.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1232	5.067	5.490	141333	159297	977	1020	80.00- 120.00	100.00(M)
	5.697	6.457	117951	98253	894	945	72.97- 109.45	83.46(M)
	6.483	7.150	201620	94801	873	873	127.72- 191.59	142.66(M)
	6.667	7.370	90667	74041	860	907	58.32- 87.48	64.15(M)
			Average of Peak Amounts =		901	936		

QC Flag Legend

M - Compound response manually integrated.

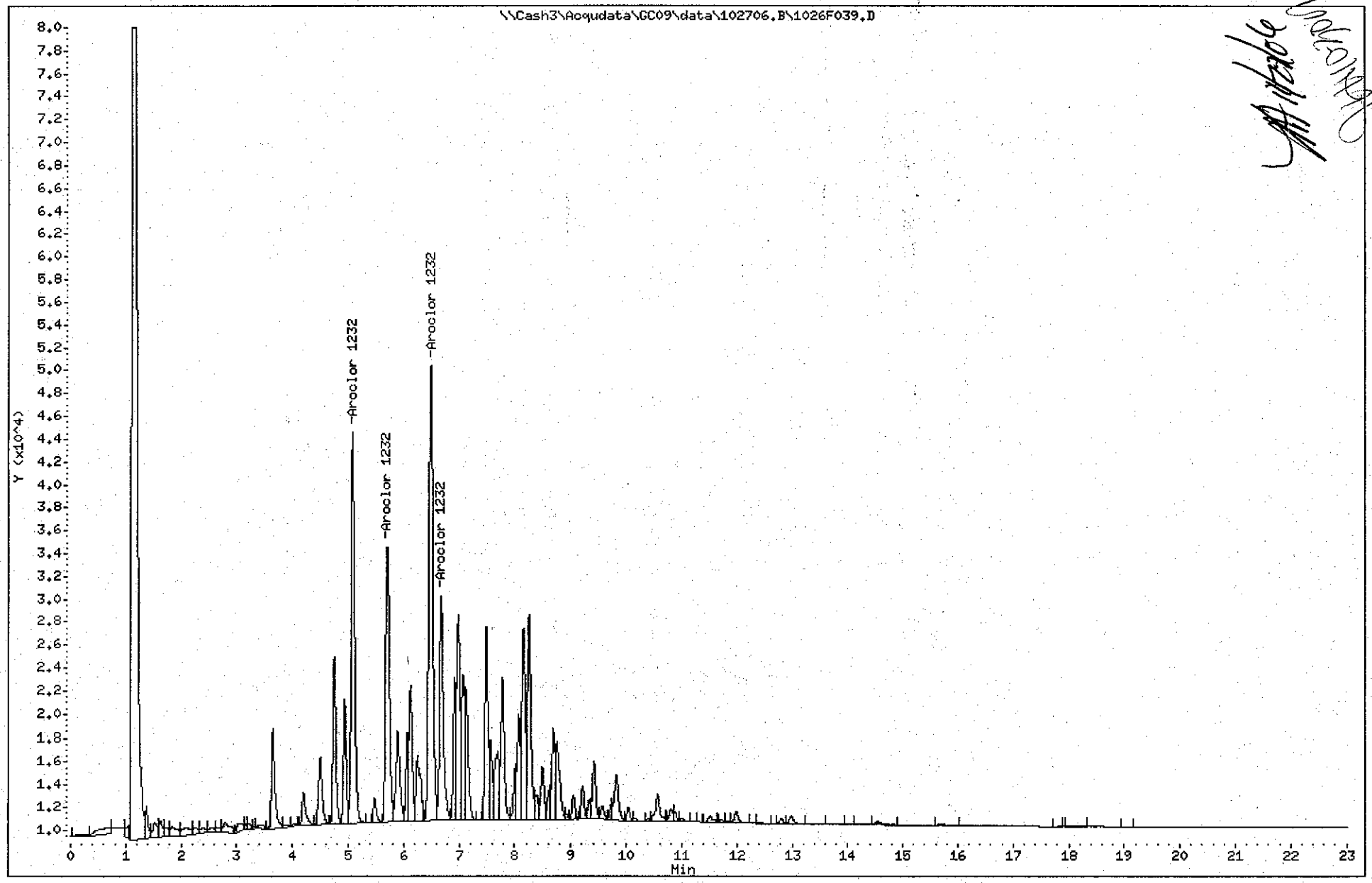
10/28/06
10-30-06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
Date : 28-OCT-2006 10:40
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76R | KWG0605028-38

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

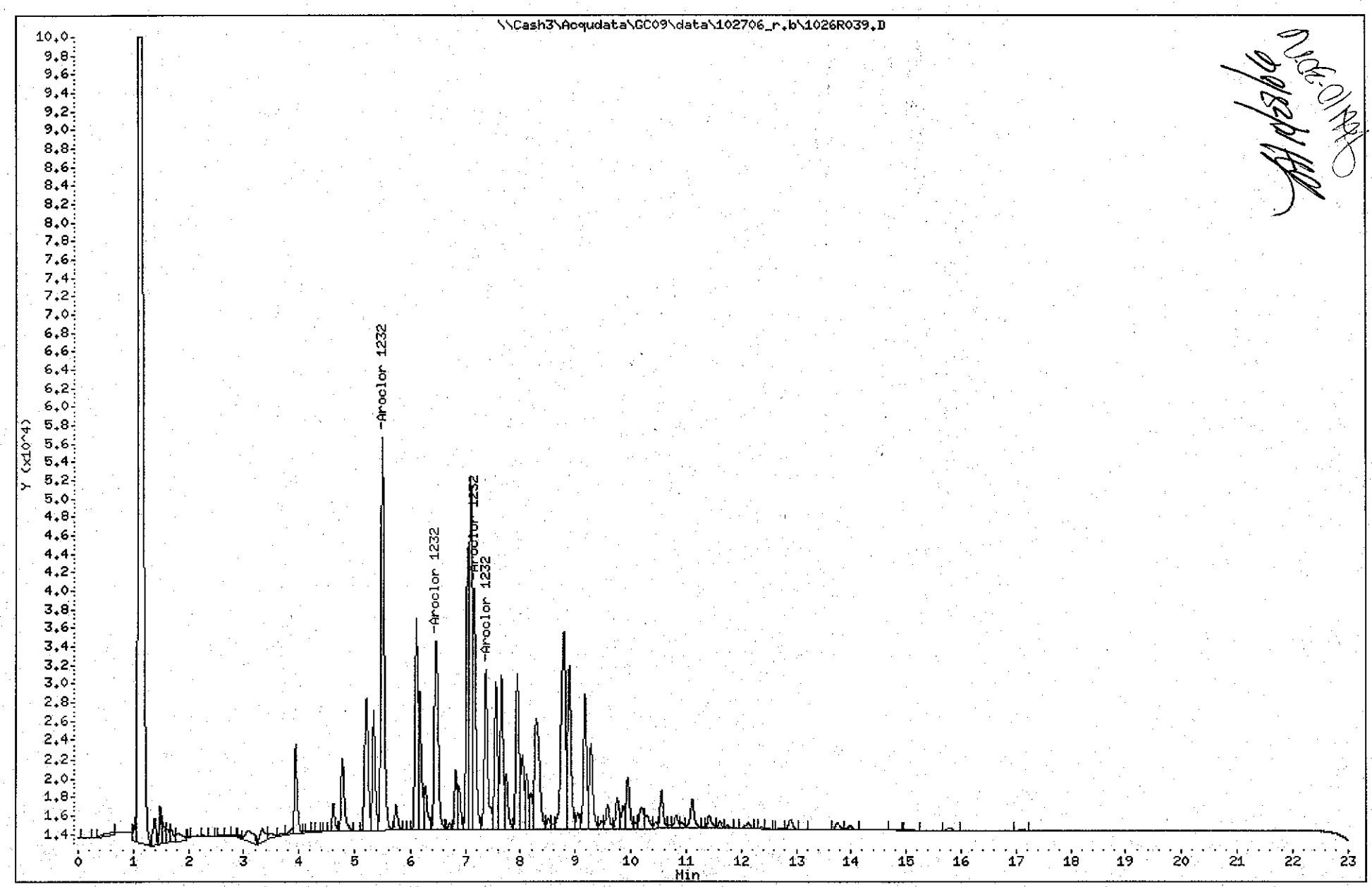
Column phase: DB-35MS



934
B - 1562

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R039.D
Date : 28-OCT-2006 10:40
Client ID:
Sample Info: 1232 @ 1000ppb | PCB4-76R | KWG0605028-38

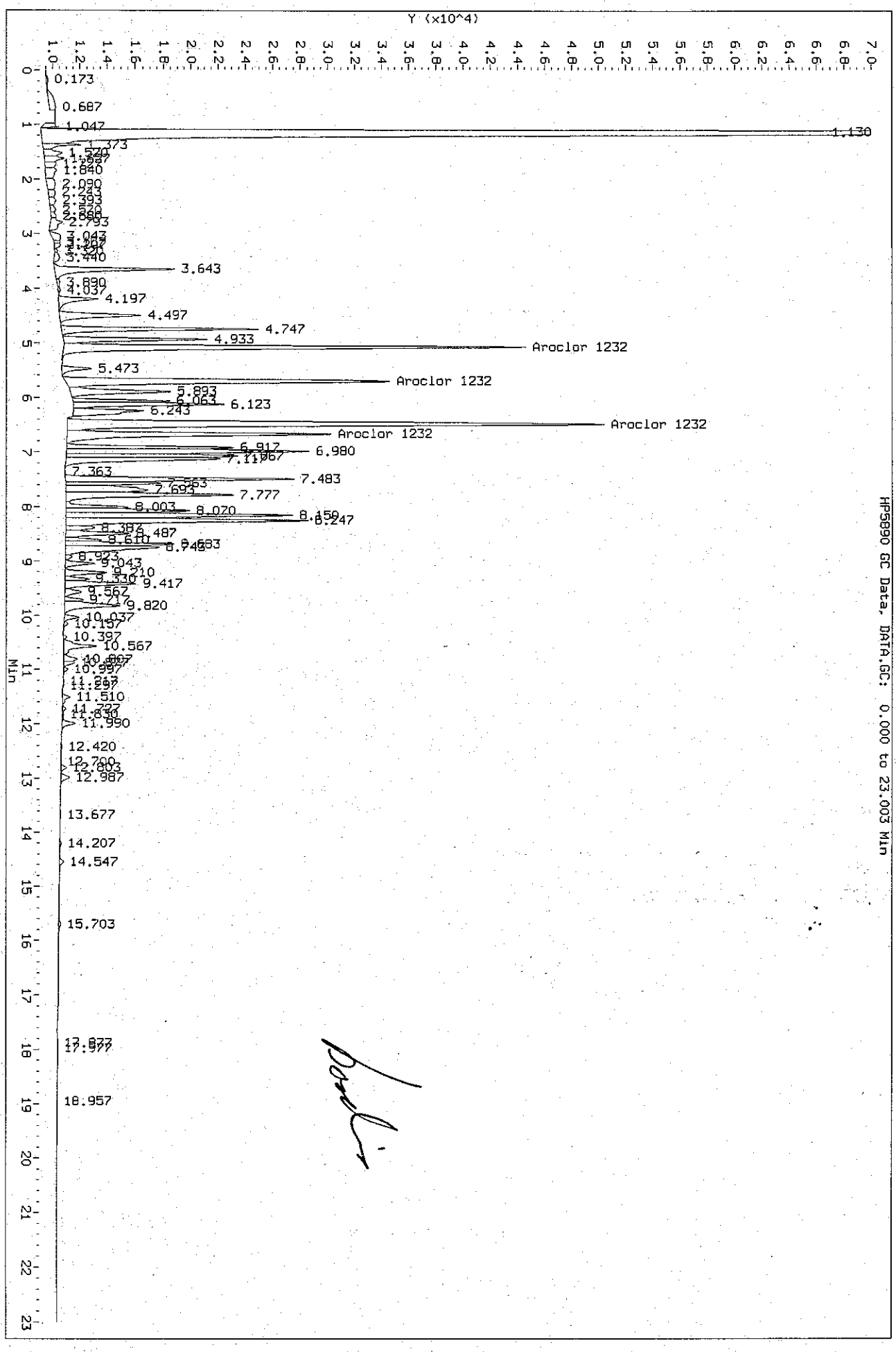
Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53



935

B - 1563

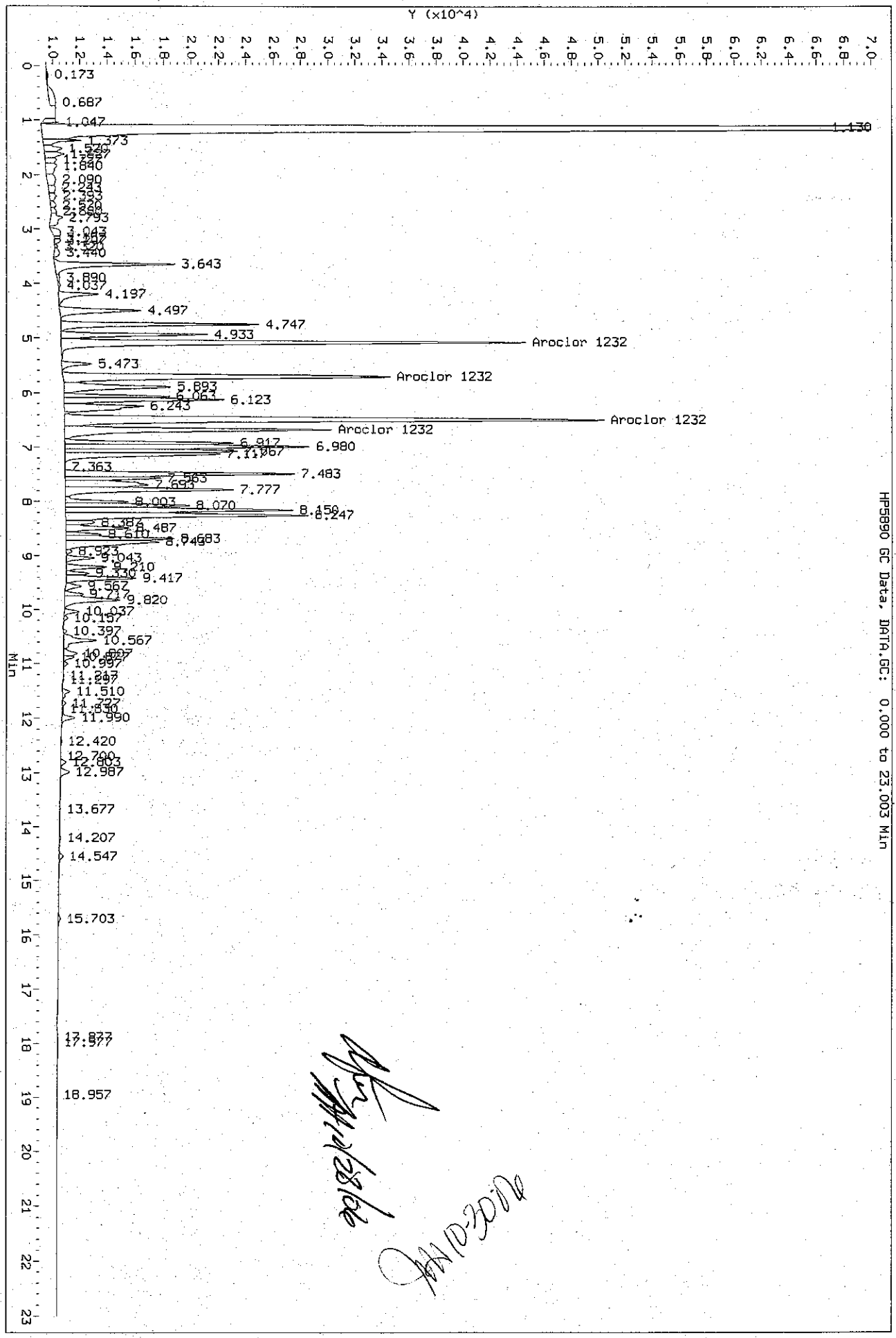
Date File: \\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
Injection Date: 28-OCT-2006 10:40
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.003 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F039.D
Injection Date: 28-OCT-2006 10:40
Instrument: GC09.i
Client Sample ID:

HP5890 GC Data, DATA.GC: 0.000 to 23.003 Min



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R040.D
Inj Date : 28-OCT-2006 11:07
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39
Misc Info : SEMIVOA GC\W0605028\39-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.697	6.160	198351	90253	951	939	80.00- 120.00	100.00(M)
	6.483	7.087	371308	252132	937	871	151.87- 227.80	187.20(M)
	6.667	7.550	168031	112559	959	996	67.20- 100.80	84.71(M)
	6.913	7.653	69776	124853	956	948	27.98- 41.97	35.18(M)
	7.063	7.940	93877	117170	976	937	36.88- 55.31	47.33(M)
			Average of Peak Amounts =		956	938		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R040.D
Inj Date : 28-OCT-2006 11:07
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39
Misc Info : SEMIVOA GC\W0605028\39-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1242.SUB
Sub List #2 : AR1242.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1242	5.697	6.160	198351	90253	951	939	80.00- 120.00	100.00(M)
	6.483	7.087	371308	252132	937	871	151.87- 227.80	187.20(M)
	6.667	7.550	168031	112559	959	996	67.20- 100.80	84.71(M)
	6.913	7.653	69776	124853	956	948	27.98- 41.97	35.18(M)
	7.063	7.940	93877	117170	976	937	36.88- 55.31	47.33(M)
		Average of Peak Amounts =			956	938		

QC Flag Legend

M - Compound response manually integrated.

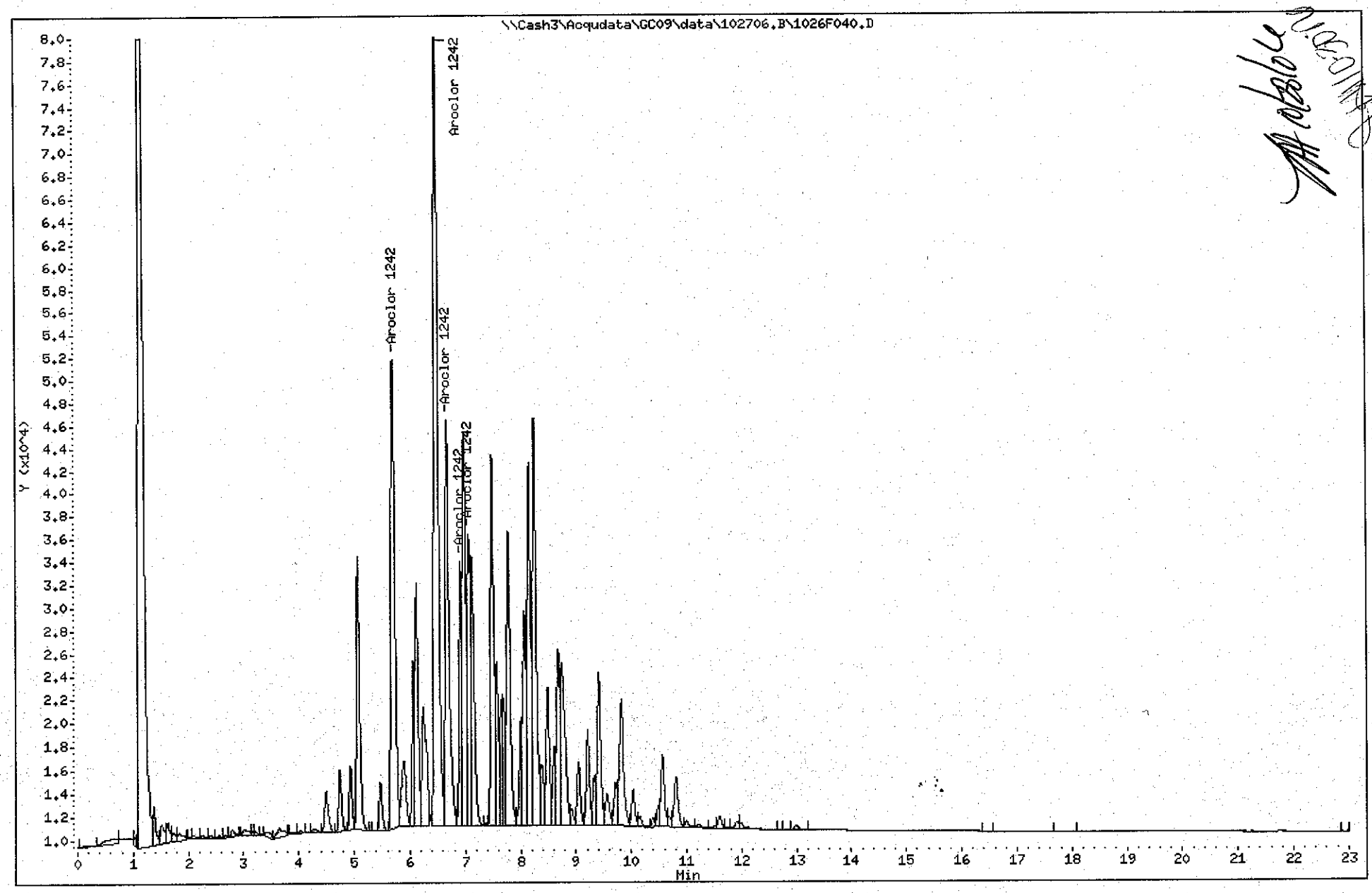
10/28/06
10-30-06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Date : 28-OCT-2006 11:07
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



940

B - 1568

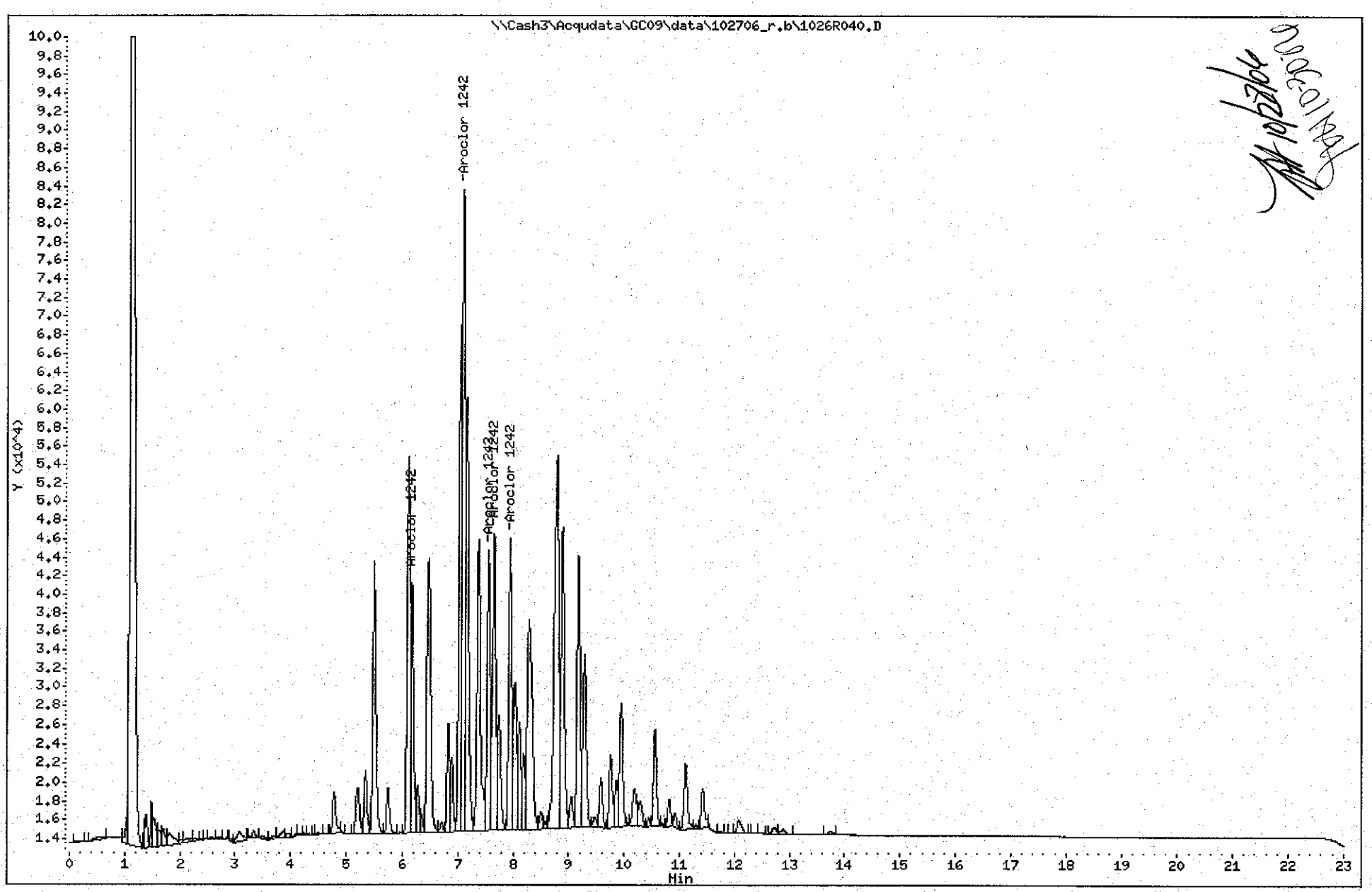
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R040.D
Date : 28-OCT-2006 11:07
Client ID:
Sample Info: 1242 @ 1000ppb | PCB4-76S | KWG0605028-39

Instrument: GC09.i

Operator: LHarris

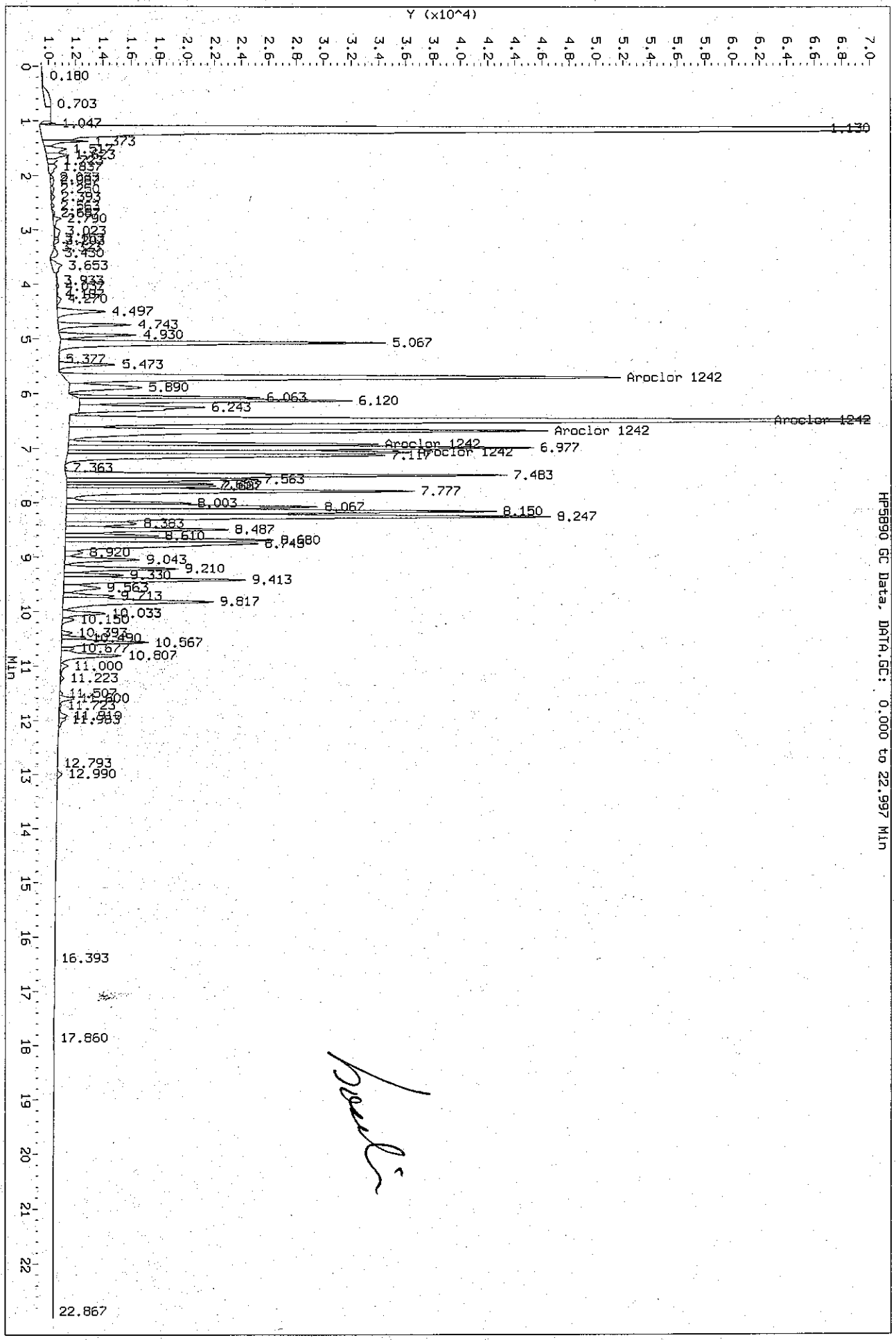
Column phase: DB-XLB

Column diameter: 0.53



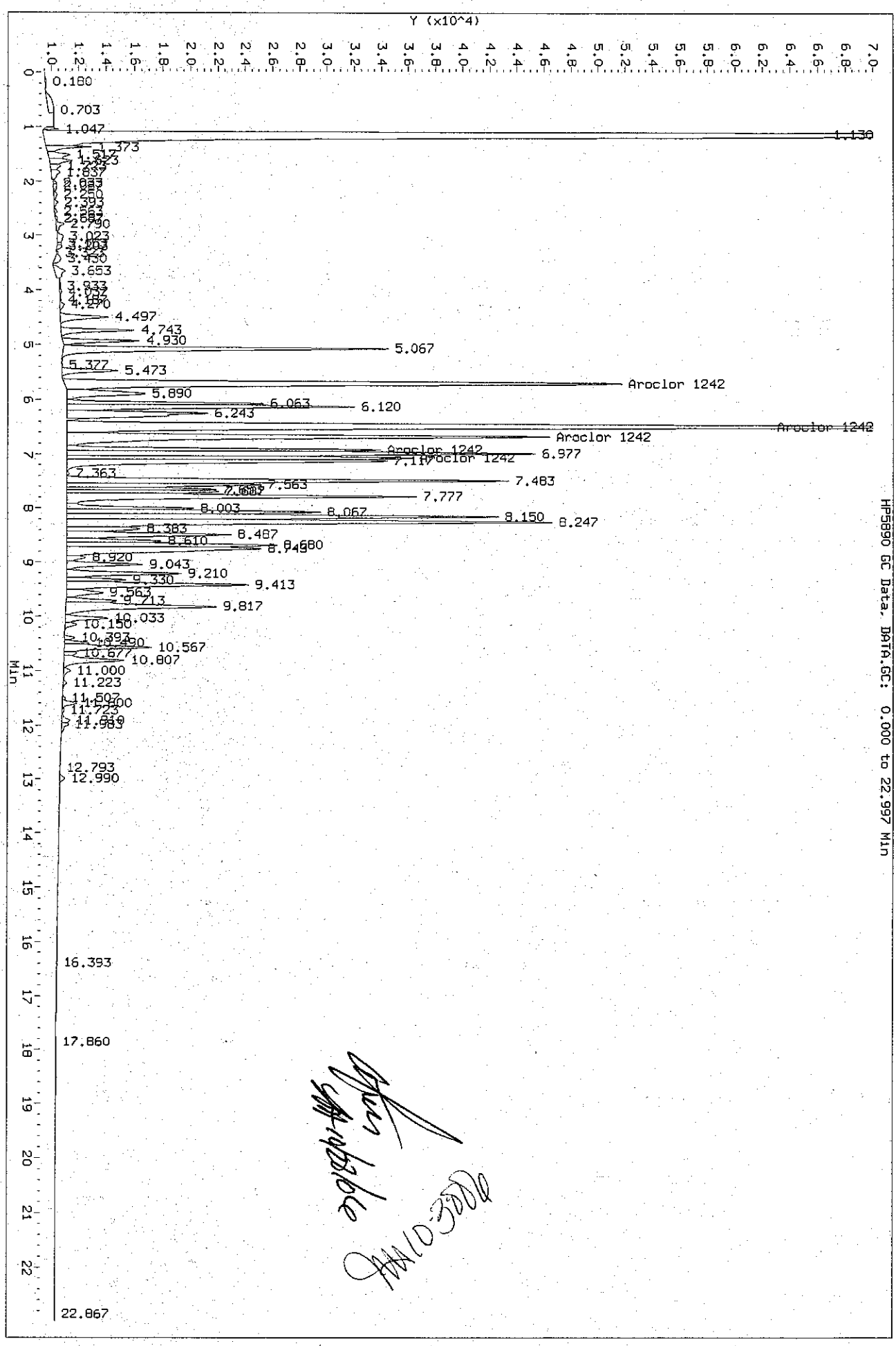
941
B - 1569

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Injection Date: 28-OCT-2006 11:07
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F040.D
Injection Date: 28-OCT-2006 11:07
Instrument: GC09.i
Client Sample ID:



HP5890 GC Data. DATA.GC: 0.000 to 22.997 Min

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
Report Date: 28-Oct-2006 14:17

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R041.D
Inj Date : 28-OCT-2006 11:35
Sample Info: 1248 @ 1000ppb | PCB4-76T | KWG0605028-40
Misc Info : SEMIVOA GC\W0605028\40-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1248.SUB
Sub List #2 : AR1248.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1248	6.977	7.650	243201	177012	957	910	80.00- 120.00	100.00(M)
	7.483	7.937	194820	189611	917	905	66.87- 100.31	80.11(M)
	7.777	8.273	155534	189938	906	903	54.09- 81.13	63.95(M)
	8.150	8.787	228111	384643	898	879	80.00- 120.00	93.80(M)
	8.243	8.883	282220	230762	902	873	98.53- 147.80	116.04(M)
			Average of Peak Amounts =		916	894		

QC Flag Legend

M - Compound response manually integrated.

10/28/06
10/30/06

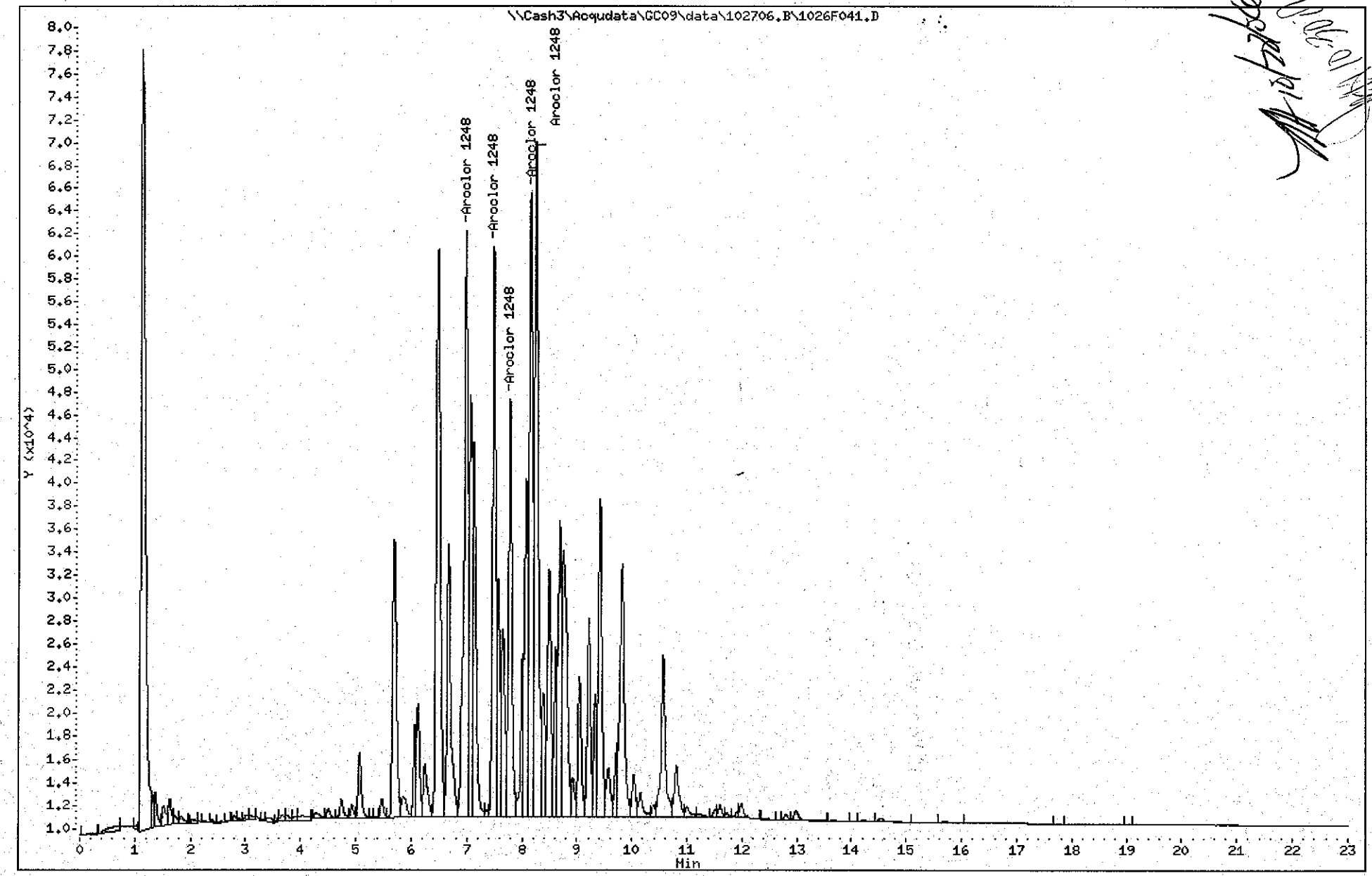
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
Date : 28-OCT-2006 11:35
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76T | KWG0605028-40

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



945

B - 1573

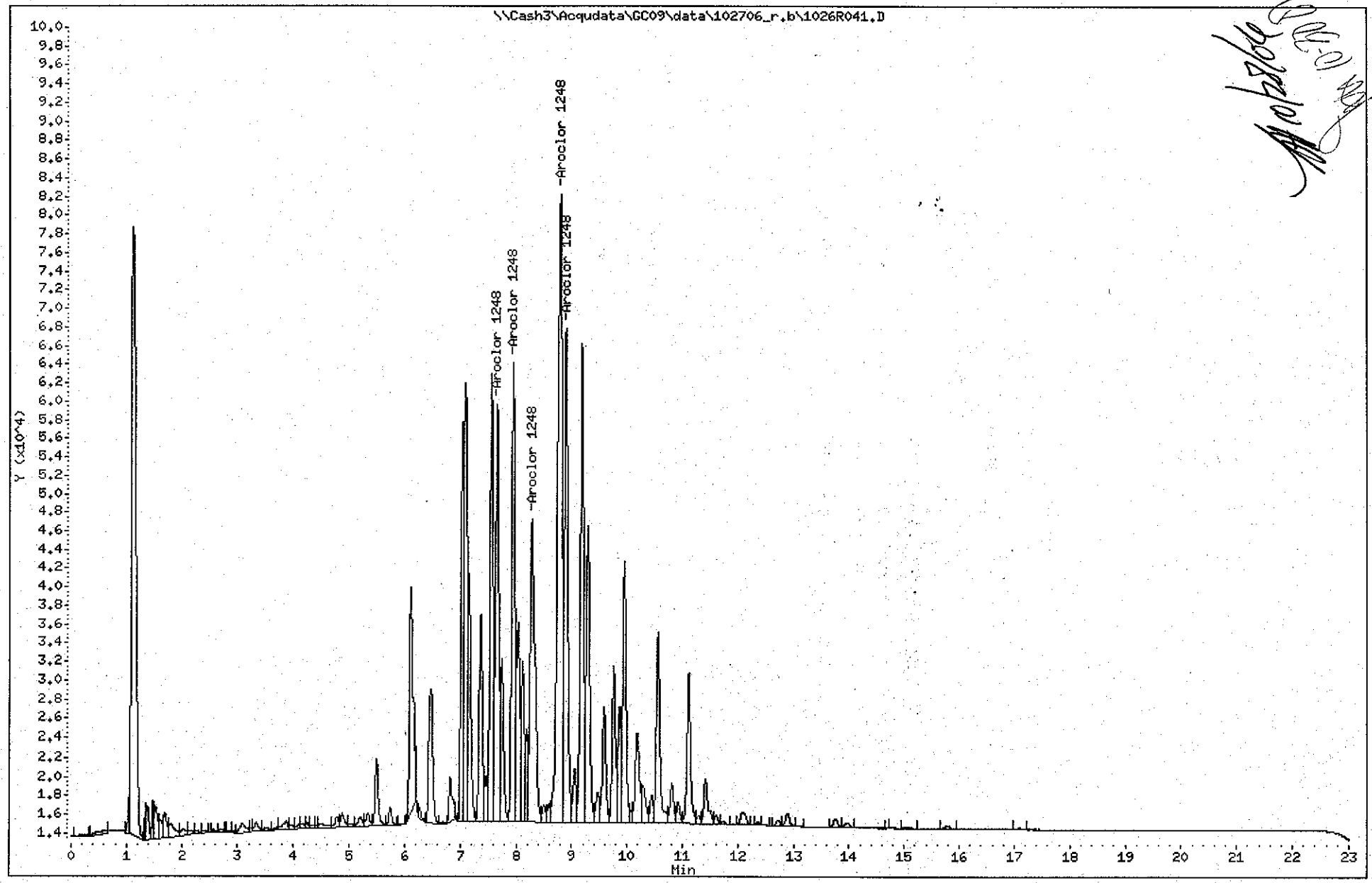
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R041.D
Date : 28-OCT-2006 11:35
Client ID:
Sample Info: 1248 @ 1000ppb | PCB4-76T | KWG0605028-40

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

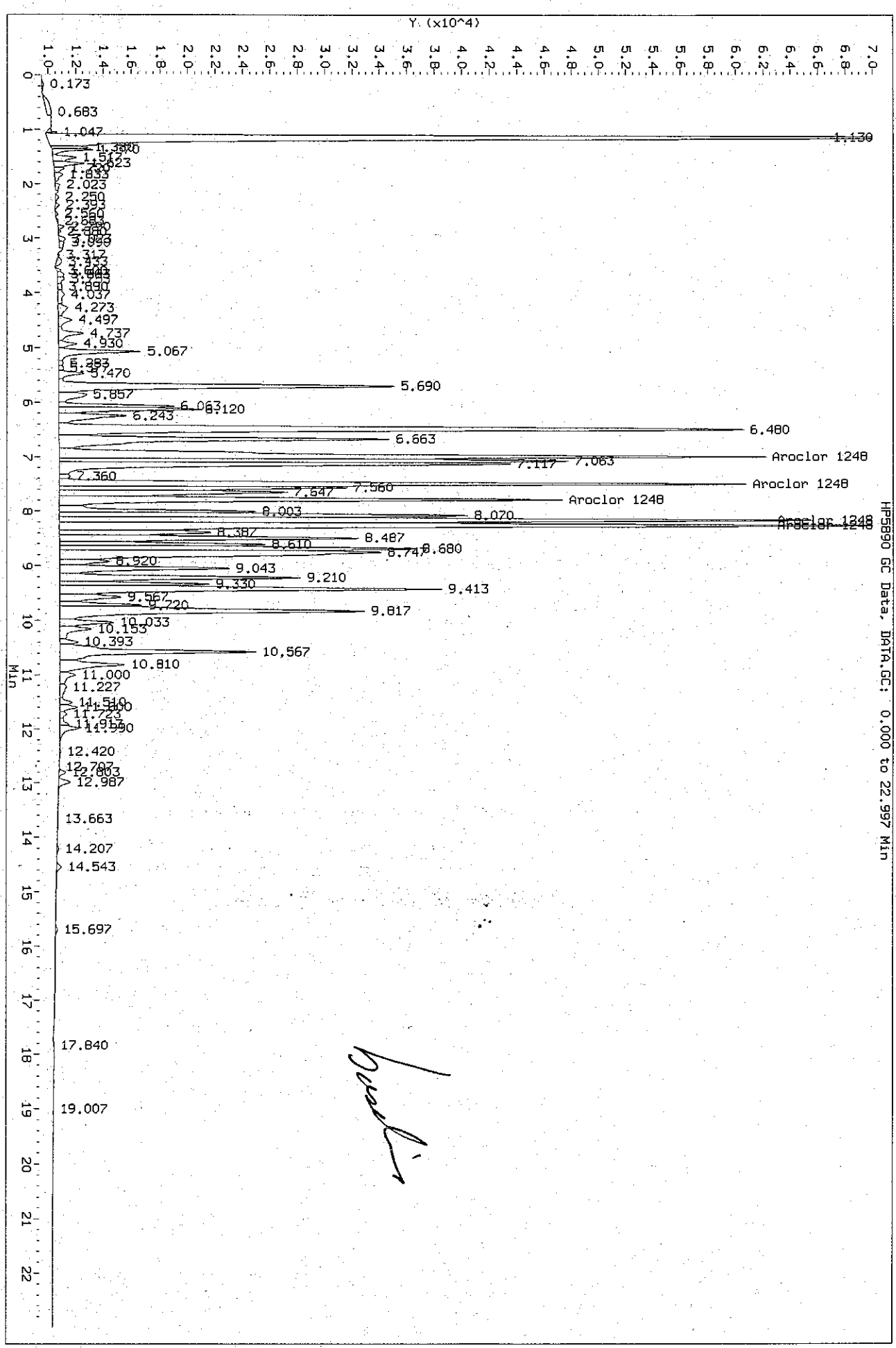
Column diameter: 0.53



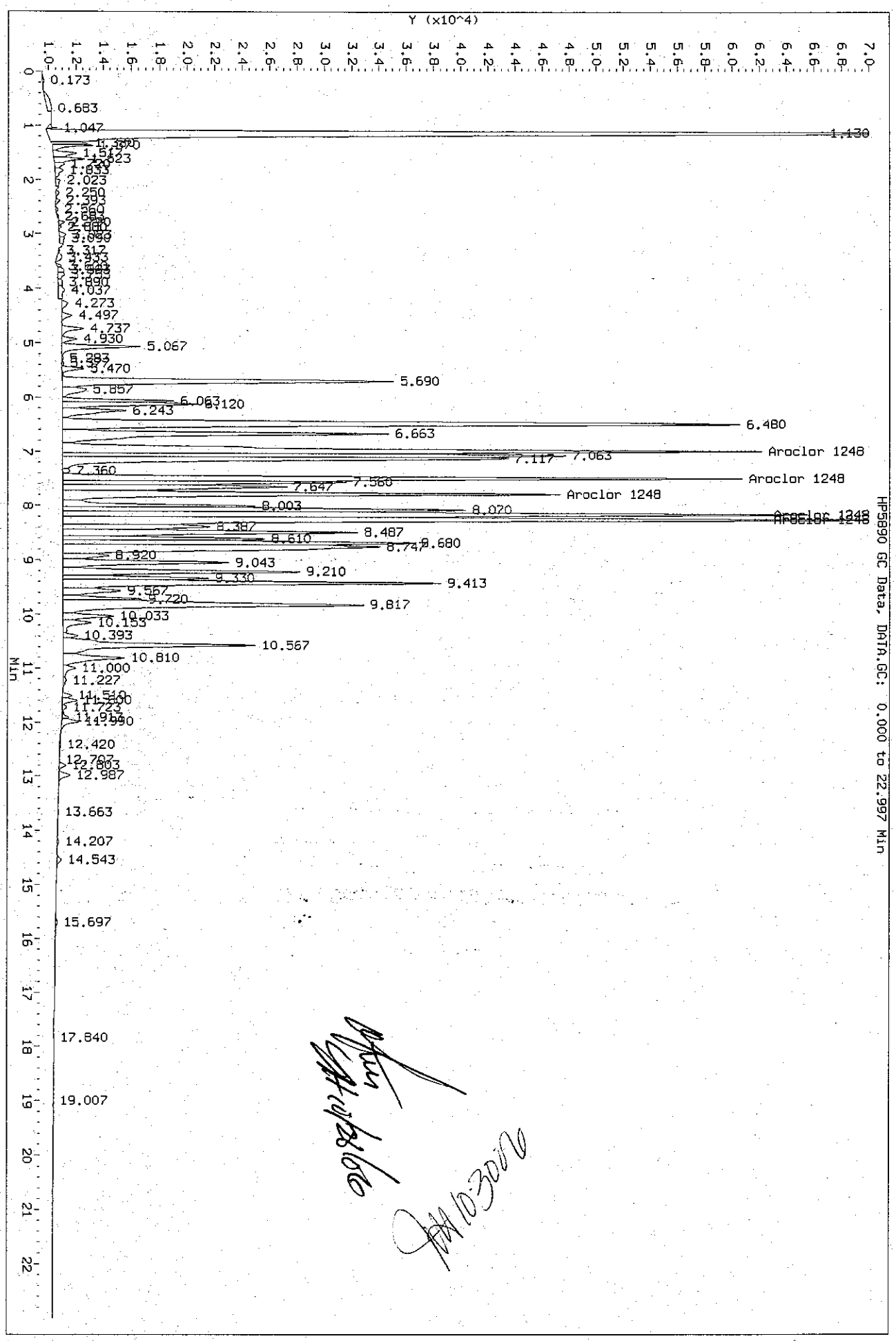
946

B - 1574

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
Injection Date: 28-OCT-2006 11:35
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F041.D
Injection Date: 28-OCT-2006 11:35
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
Report Date: 28-Oct-2006 14:18

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R042.D
Inj Date : 28-OCT-2006 12:02
Sample Info: 1254 @ 1000ppb | PCB4-77A | KWG0605028-41
Misc Info : SEMIVOA GC\W0605028\41-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1254.SUB
Sub List #2 : AR1254.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1254	8.240	9.173	257073	333690	924	937	80.00- 120.00	100.00(M)
	8.487	9.753	273200	175329	938	930	83.69- 125.54	106.27(M)
	9.210	9.943	179609	326084	901	909	57.29- 85.94	69.87(M)
	9.417	10.550	385703	265612	920	930	120.58- 180.87	150.04(M)
	9.820	11.417	343312	372693	912	1070	108.18- 162.27	133.55(M)
			Average of Peak Amounts =		919	955		

QC Flag Legend

M - Compound response manually integrated.

10/30/06

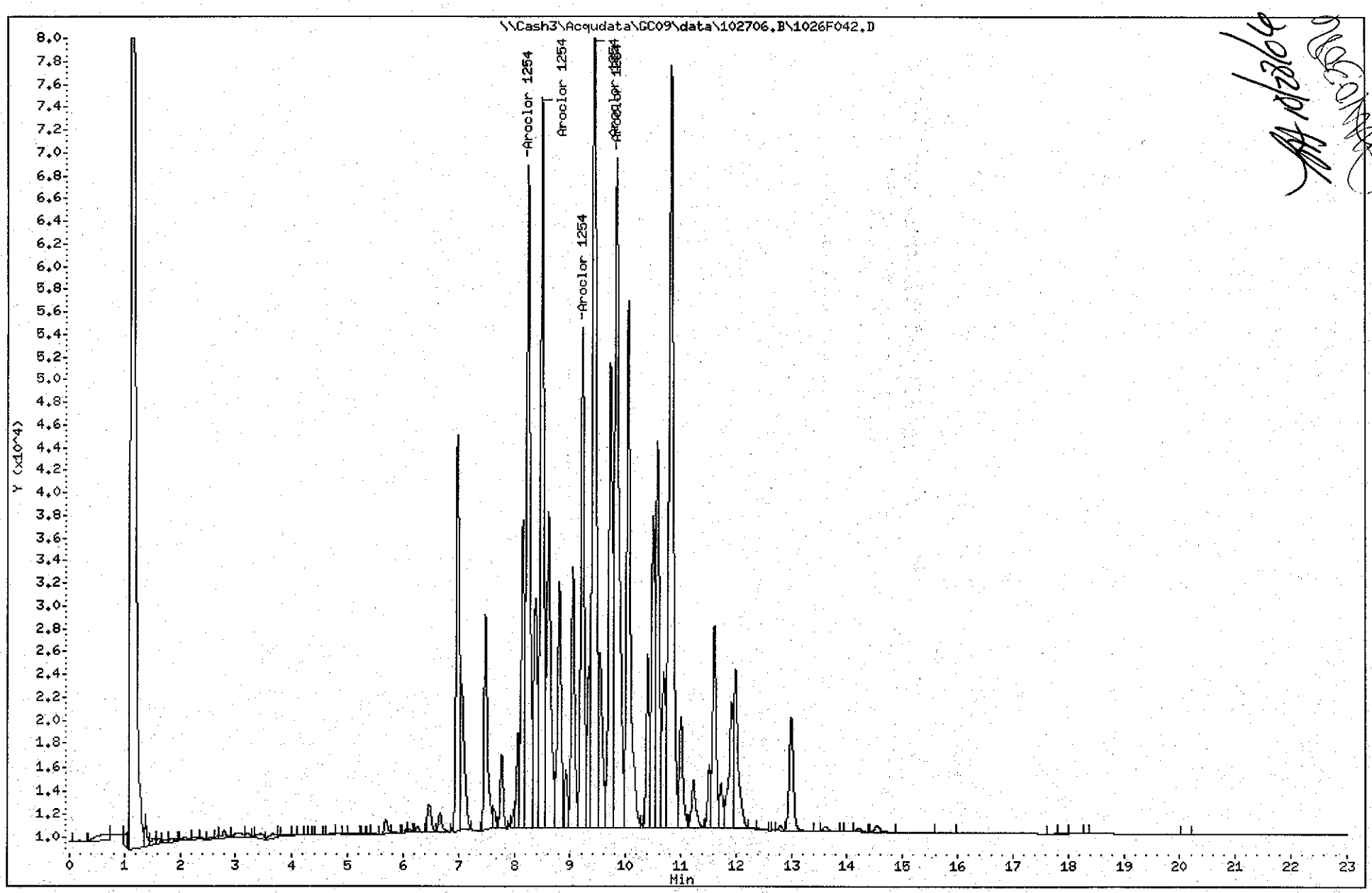
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
Date : 28-OCT-2006 12:02
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-77A | KWG0605028-41

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



950

B - 1578

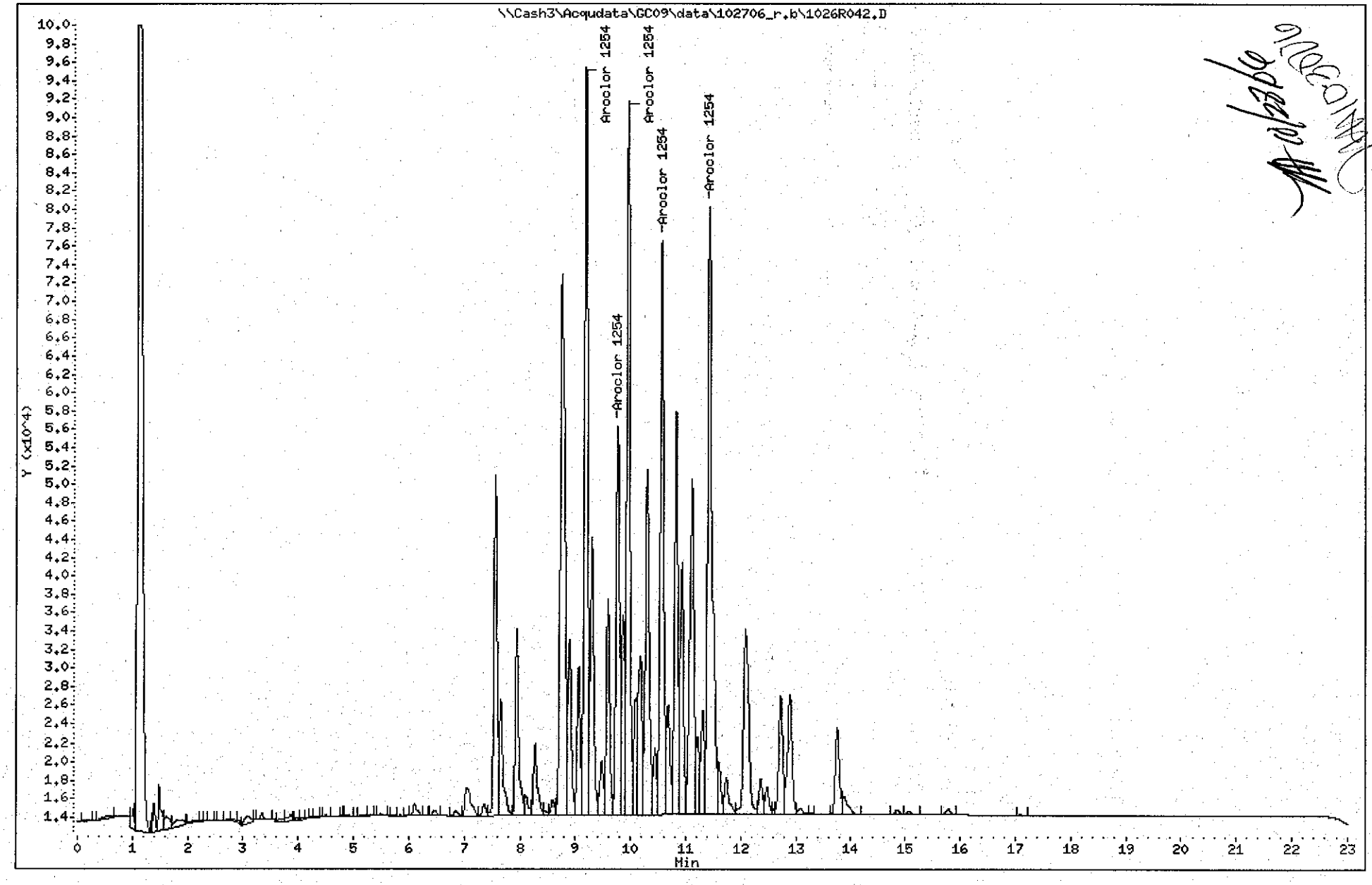
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R042.D
Date : 28-OCT-2006 12:02
Client ID:
Sample Info: 1254 @ 1000ppb | PCB4-77A | KWG0605028-41

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53

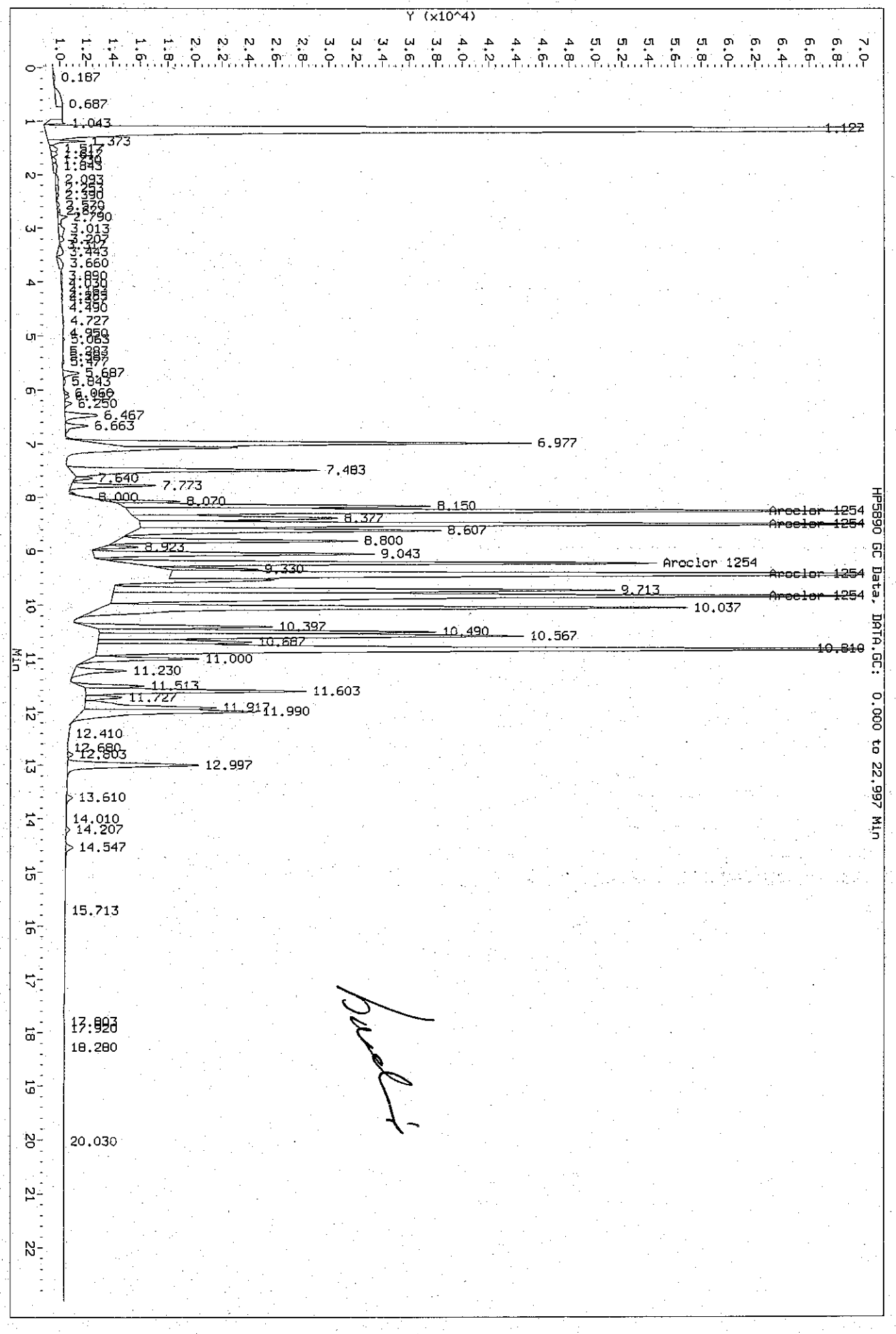


Acceptable

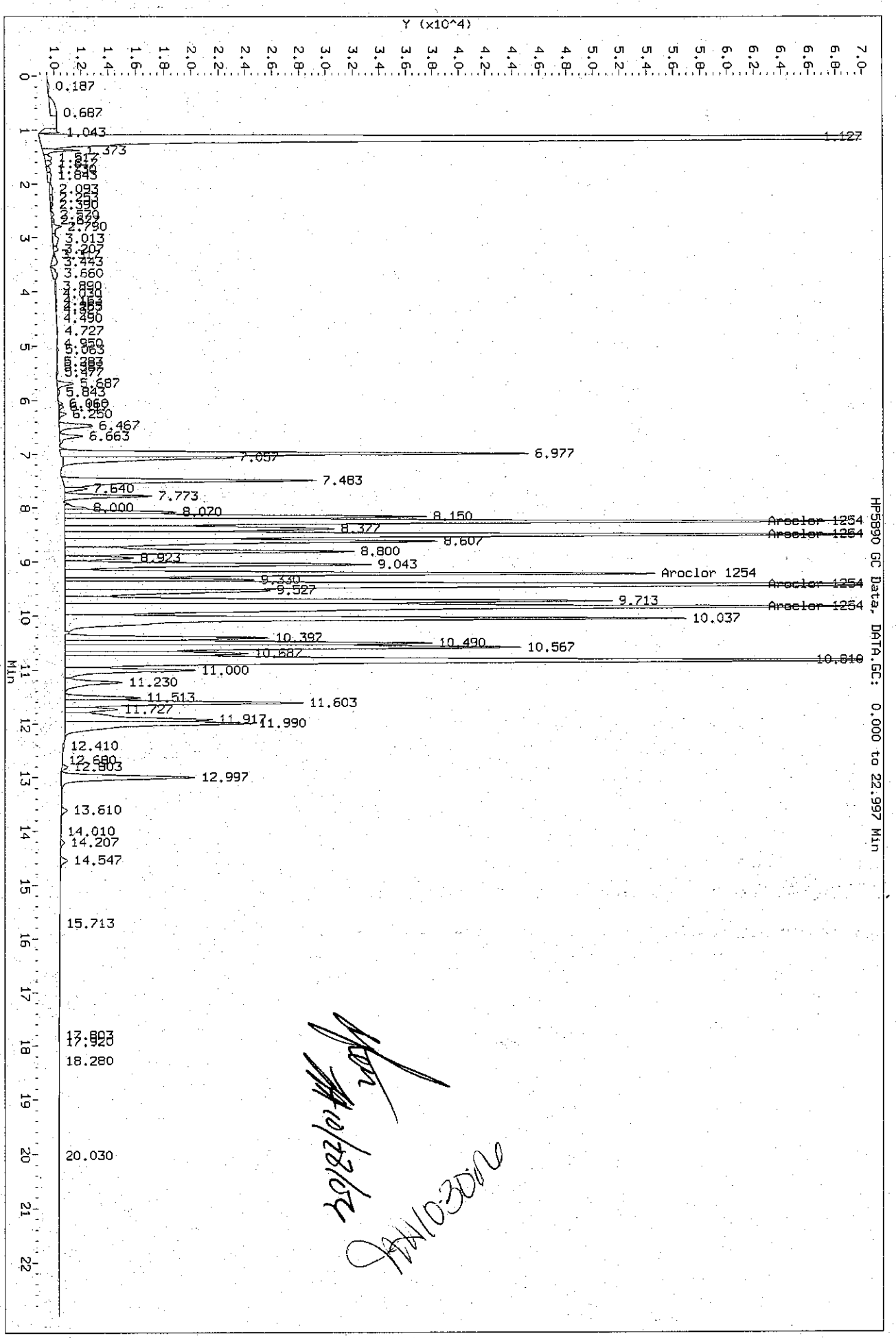
951

B - 1579

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
Injection Date: 28-OCT-2006 12:02
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F042.D
Injection Date: 28-OCT-2006 12:02
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F043.D
Report Date: 28-Oct-2006 14:18

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F043.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R043.D
Inj Date : 28-OCT-2006 12:30
Sample Info: 1260 @ 1000ppb | PCB4-77B | KWG0605028-42
Misc Info : SEMIVOA GC\W0605028\42-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1260.sub
Sub List #2 : AR1260.sub
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1260	9.430	10.287	214857	277808	853	891	80.00- 120.00	100.00
	10.033	10.813	347477	311140	900	901	120.80- 181.20	161.72
	10.493	11.420	188283	366471	931	870	68.99- 103.49	87.63
	10.807	11.610	305678	254166	794	1150	134.42- 201.63	142.27
	11.990	12.130	554906	291558	1100	1020	186.31- 279.46	258.27
			Average of Peak Amounts =		916	966		

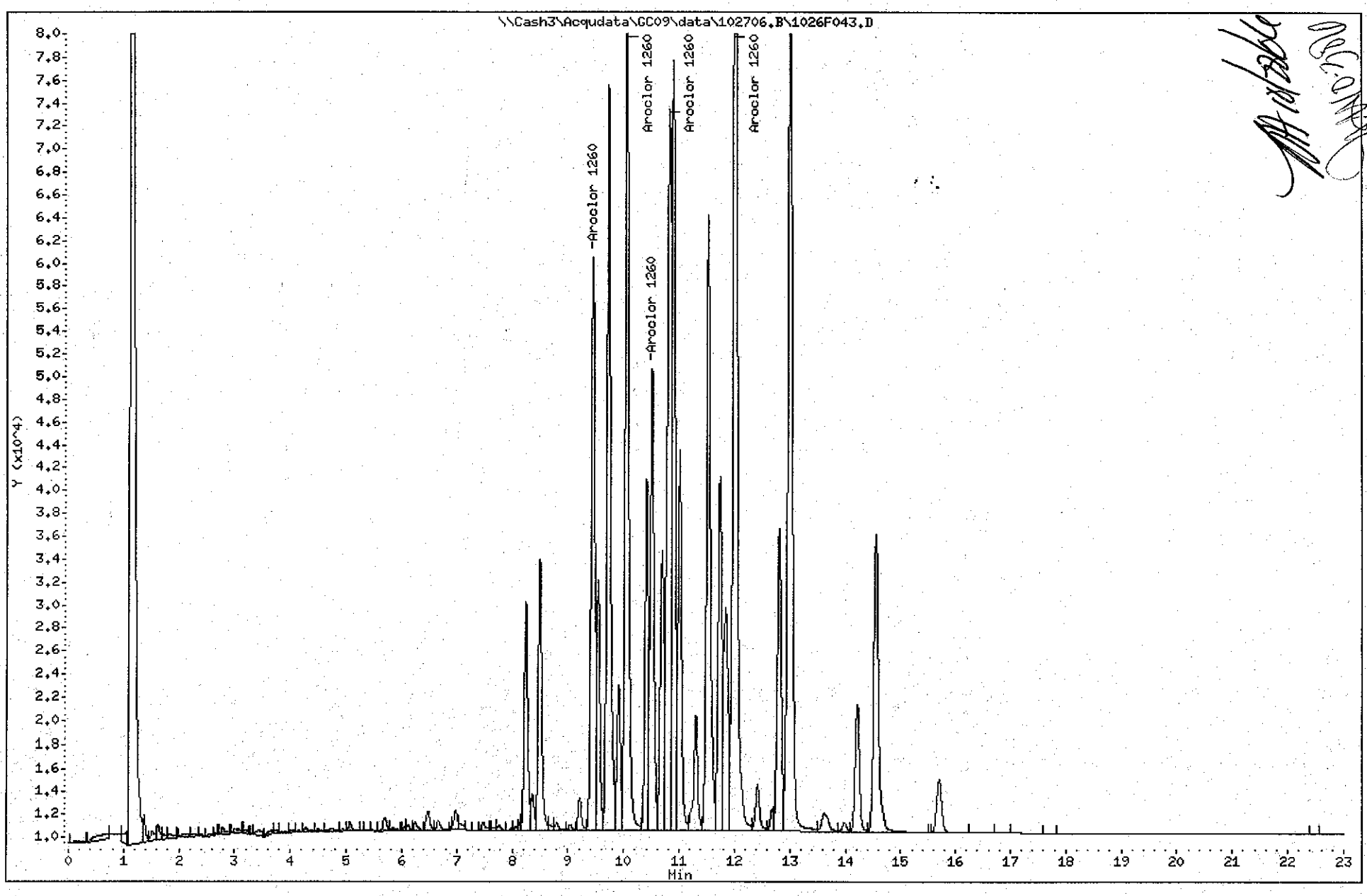
10/28/06
JAN 03 2012

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F043.D
Date : 28-OCT-2006 12:30
Client ID:
Sample Info: 1260 @ 1000ppb | PCB4-77B | KWG0605028-42

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

Column phase: DB-35MS



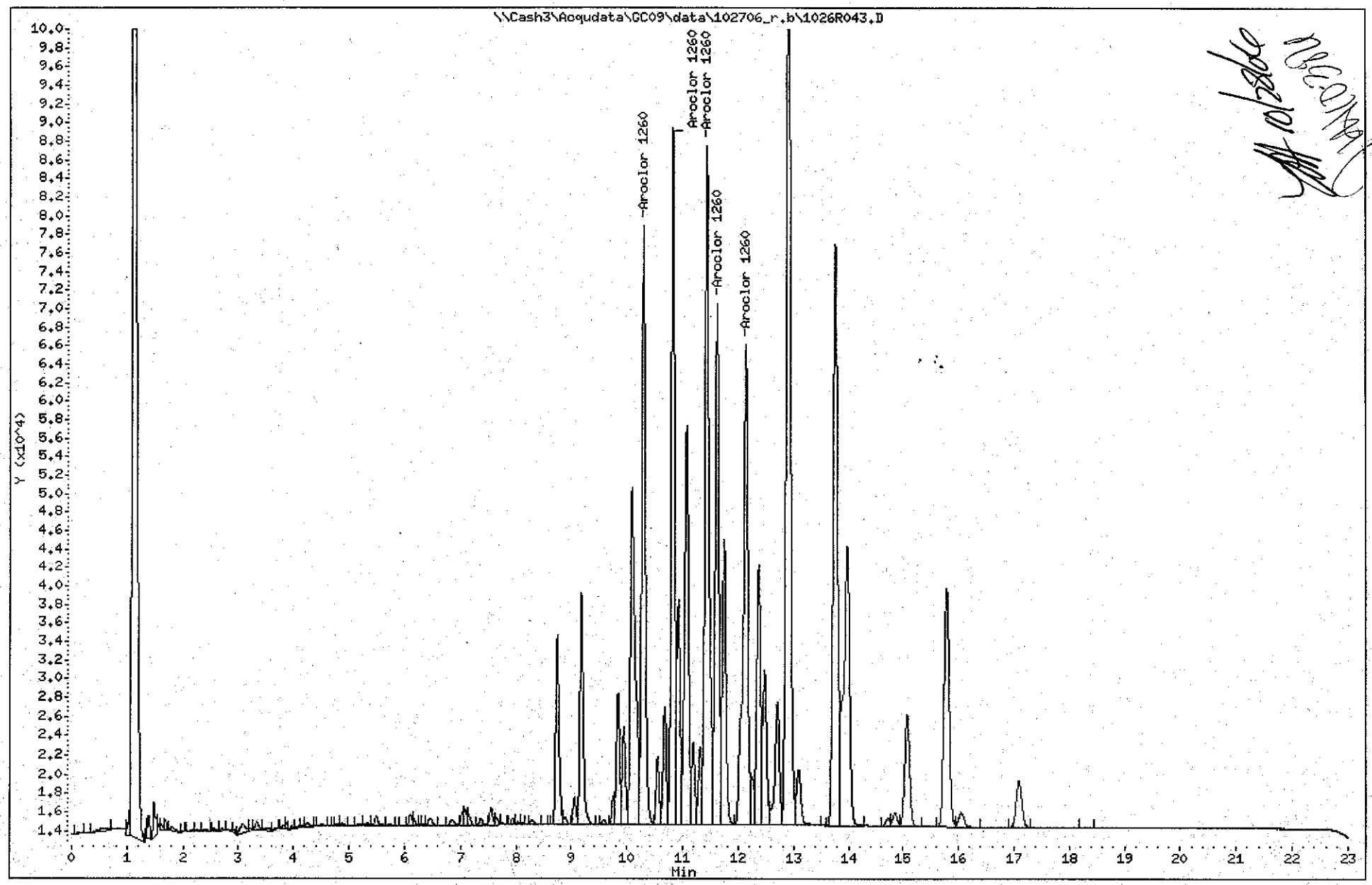
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R043.D
Date : 28-OCT-2006 12:30
Client ID:
Sample Info: 1260 @ 1000ppb | PCB4-77B | KWG0605028-42

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



956

B - 1584

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F044.D
Report Date: 28-Oct-2006 14:18

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F044.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R044.D
Inj Date : 28-OCT-2006 12:57
Sample Info: 1262 @ 1000ppb | PCB4-77C | KWG0605028-43
Misc Info : SEMIVOA GC\W0605028\43-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1262.SUB
Sub List #2 : AR1262.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1262	10.883	11.610	393459	350355	1010	1010	80.00- 120.00	100.00
	11.513	12.133	307698	278417	1040	1020	60.93- 91.39	78.20
	11.730	12.897	168732	594855	1040	1010	33.29- 49.94	42.88
	11.997	13.760	598855	442475	1030	1020	119.87- 179.81	152.20
	12.810	13.980	263359	341791	1020	1020	52.98- 79.47	66.93
			Average of Peak Amounts =		1030	1020		

11/2/06
11/03/06

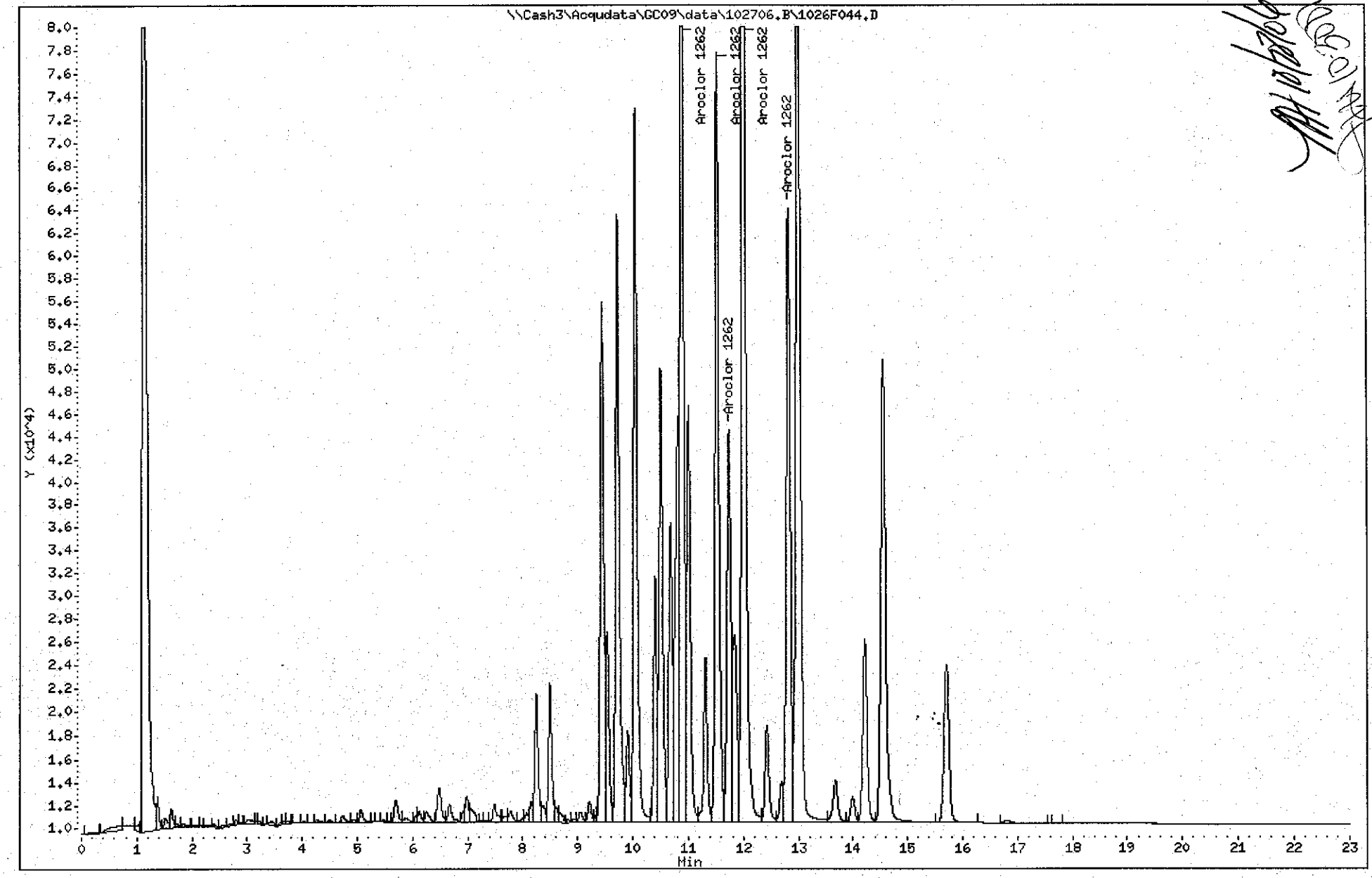
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F044.D
Date : 28-OCT-2006 12:57
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-77C | KWG0605028-43

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



958

B - 1586

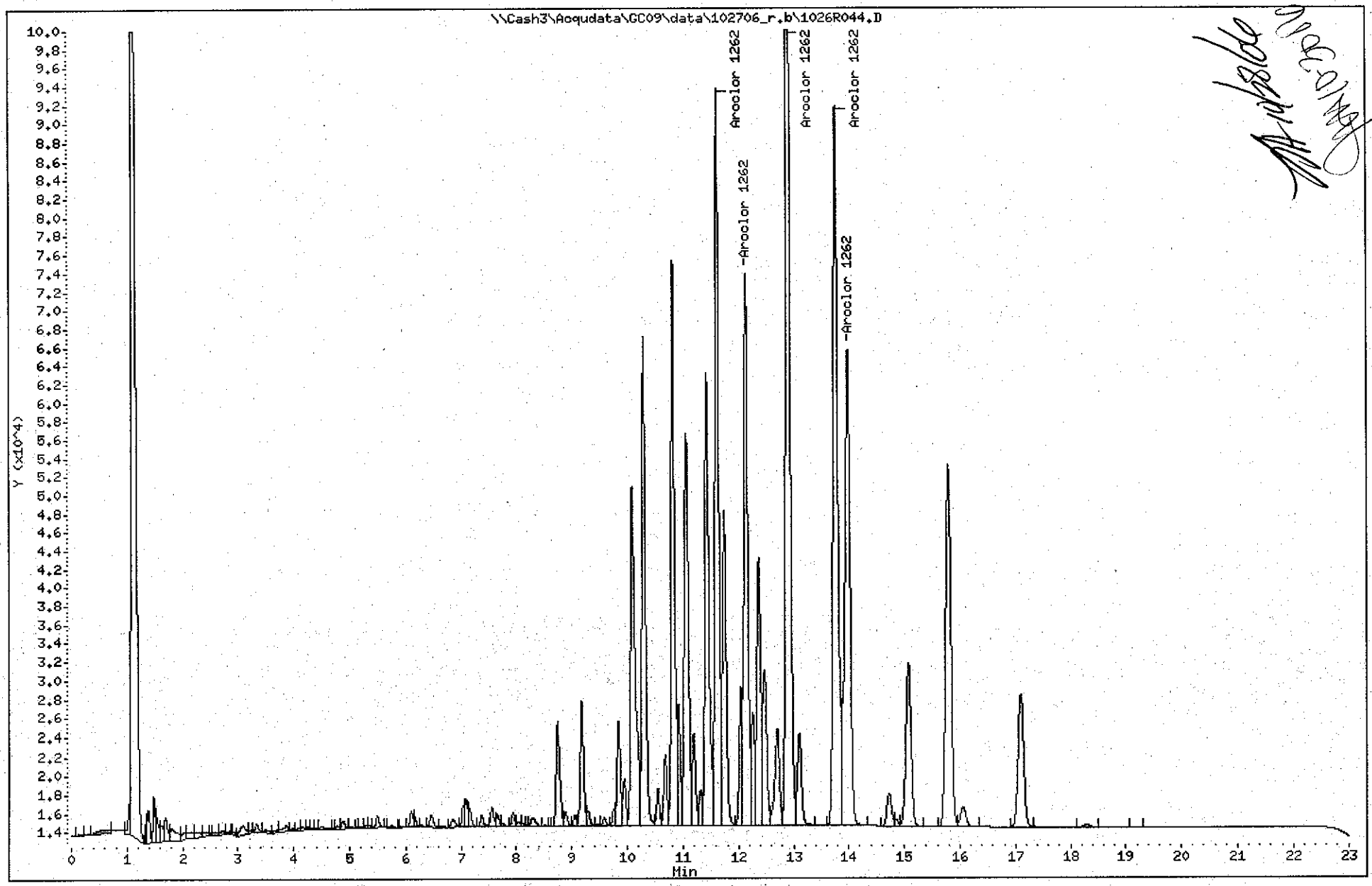
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R044.D
Date : 28-OCT-2006 12:57
Client ID:
Sample Info: 1262 @ 1000ppb | PCB4-77C | KWG0605028-43

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



959
B - 1587

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F045.D
Report Date: 28-Oct-2006 14:18

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F045.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R045.D
Inj Date : 28-OCT-2006 13:25
Sample Info: 1268 @ 1000ppb | PCB4-77D | KWG0605028-44
Misc Info : SEMIVOA GC\W0605028\44-ICV.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1268.SUB
Sub List #2 : AR1268.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Aroclor 1268	12.977	13.990	727248	740397	966	966	80.00- 120.00	100.00(M)
	13.680	14.730	632783	671027	971	974	69.25- 103.87	87.01(M)
	13.993	15.030	158547	188783	919	918	18.32- 27.48	21.80(M)
	14.553	15.790	239648	265362	864	873	29.45- 44.18	32.95(M)
	15.707	17.100	1757883	1830671	902	904	207.02- 310.53	241.72(M)
			Average of Peak Amounts =		924	927		

QC Flag Legend

M - Compound response manually integrated.

10/27/06
10-30-06

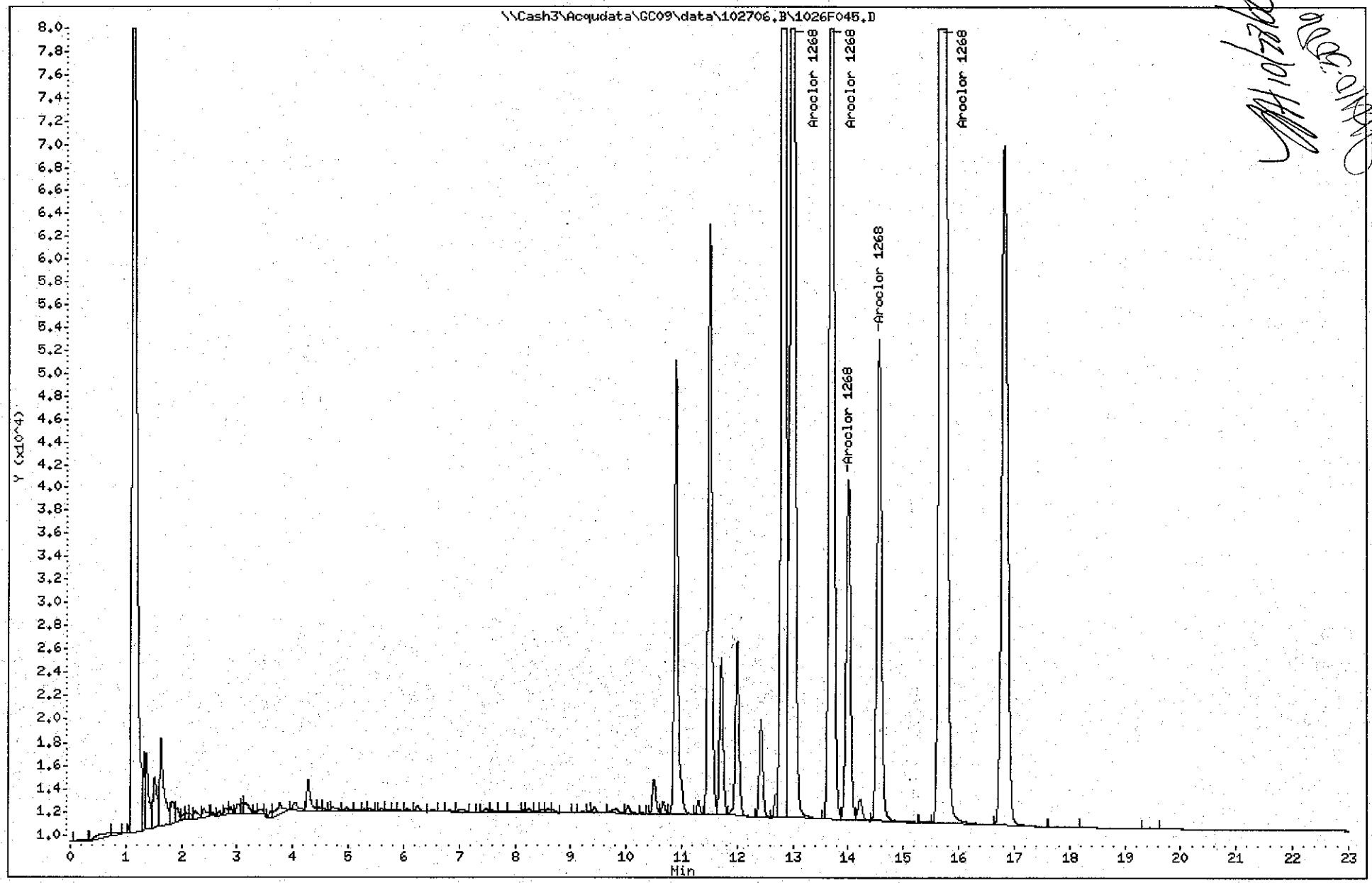
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F045.D
Date : 28-OCT-2006 13:25
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-77D | KWG0605028-44

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53

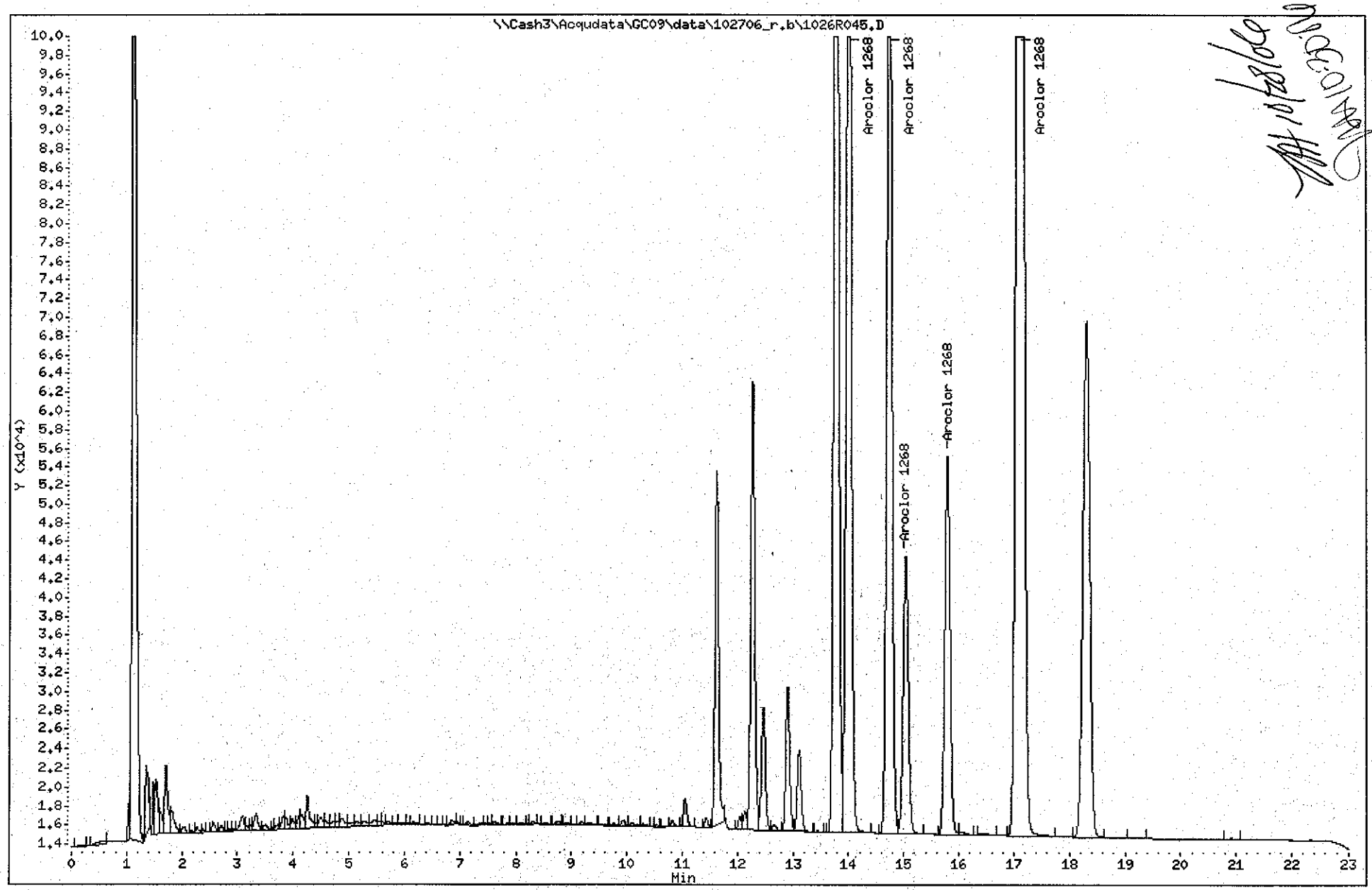


961

B - 1589

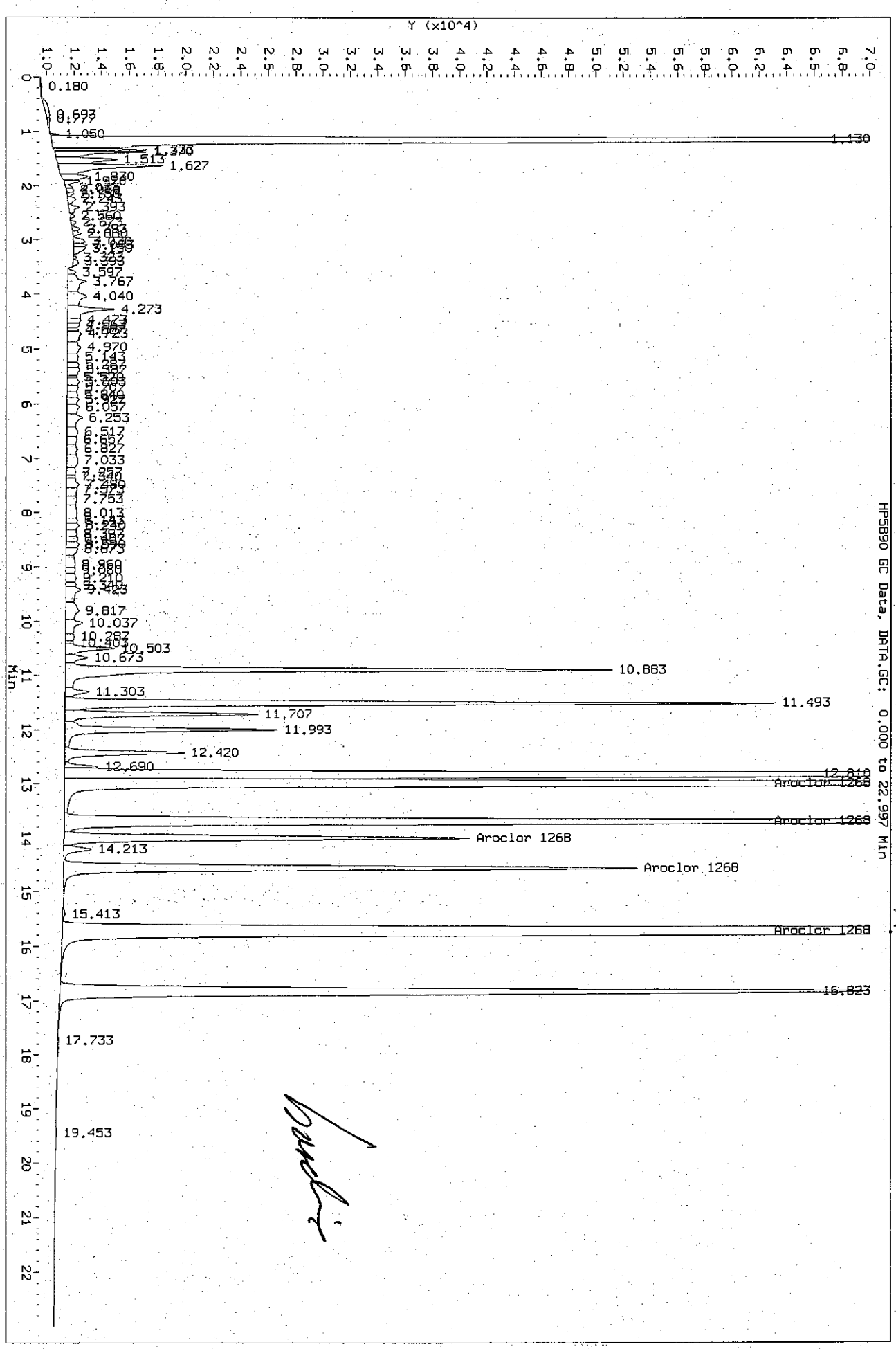
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R045.D
Date : 28-OCT-2006 13:25
Client ID:
Sample Info: 1268 @ 1000ppb | PCB4-77D | KWG0605028-44

Instrument: GC09.i
Operator: LHarris
Column phase: DB-XLB
Column diameter: 0.53

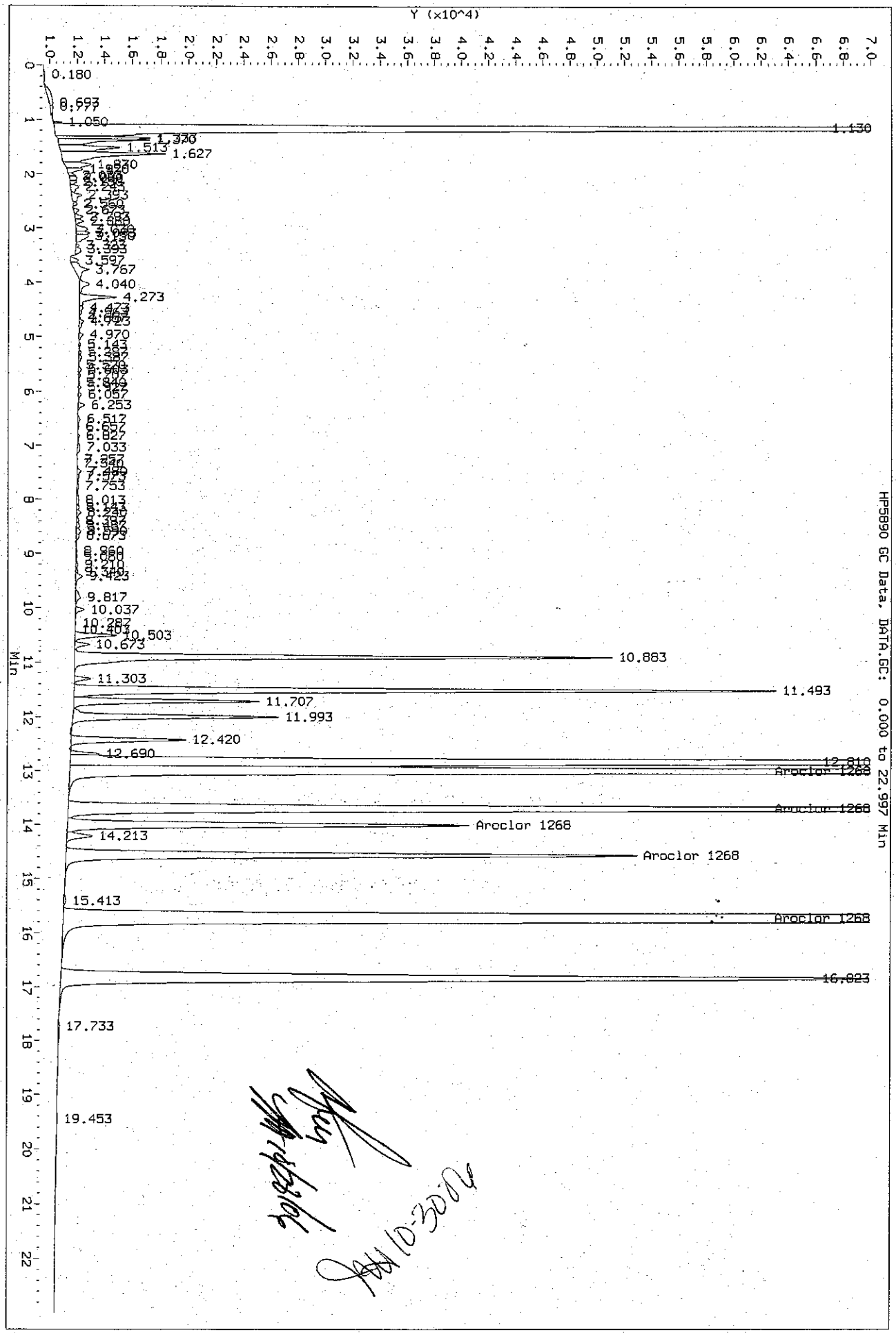


962
B - 1590

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F045.D
Injection Date: 28-OCT-2006 13:25
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F045.D
Injection Date: 28-OCT-2006 13:25
Instrument: GC09.1
Client Sample ID:



Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F046.D
Report Date: 28-Oct-2006 14:46

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F046.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R046.D
Inj Date : 28-OCT-2006 13:52
Sample Info: IB
Misc Info : SEMIVOA GC\W0605028\2-IB.H
Cal Date : 28-OCT-2006 13:04
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
2,2',4,4',5,5'-HBB	19.227	0.000	46	0	0.000	0.000		100.00

AA 10/30/06
10/30/06

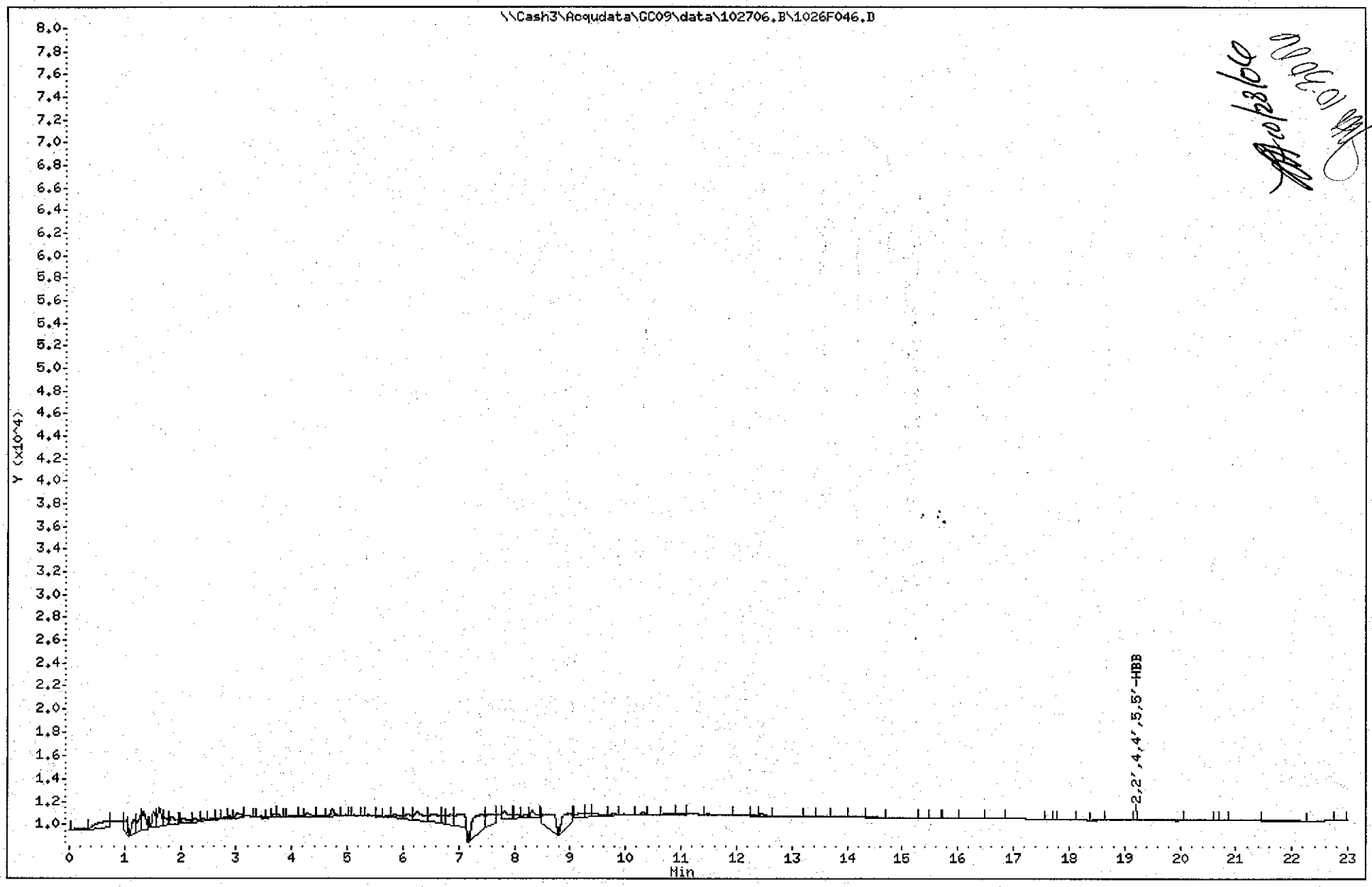
Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F046.D
Date : 28-OCT-2006 13:52
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



966

B - 1594

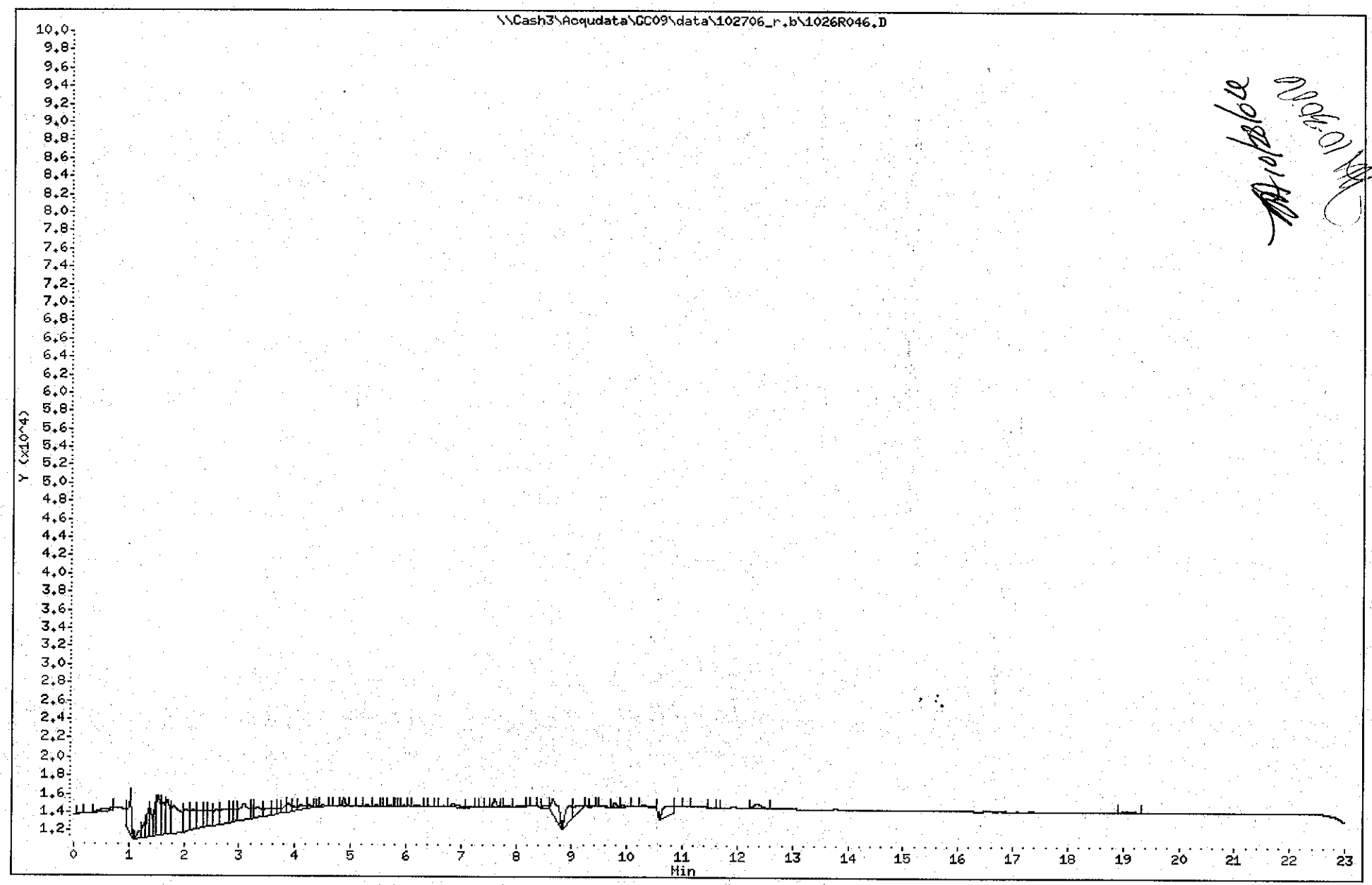
Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R046.D
Date : 28-OCT-2006 13:52
Client ID:
Sample Info: IB

Instrument: GC09.i

Operator: LHarris

Column phase: DB-XLB

Column diameter: 0.53



967
B - 1595

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F047.D
Report Date: 28-Oct-2006 14:46

Laboratory Name

Sample #1 : \\Cash3\Acqudata\GC09\data\102706.B\1026F047.D
Sample #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\1026R047.D
Inj Date : 28-OCT-2006 14:20
Sample Info: 1660 @ 500ppb | PCB4-80D
Misc Info : SEMIVOA GC\W0605028\33-ICAL.H
Cal Date : 28-OCT-2006 14:44
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\102706.B\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\102706_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.957	301728	355472	53.9	56.0		100.00(M)
Aroclor 1016	6.123	6.103	65915	102278	583	567	80.00- 120.00	100.00(M)
	6.487	6.160	292289	69962	560	575	354.75- 532.12	443.43(M)
	6.667	7.090	126655	193645	558	522	153.72- 230.58	192.15(M)
	6.980	7.553	110644	91771	562	610	134.29- 201.43	167.86(M)
	7.487	7.653	89963	103662	550	596	109.19- 163.78	136.48(M)
		Average of Peak Amounts =			563	574		
Aroclor 1260	9.433	10.290	140667	181580	559	582	80.00- 120.00	100.00(M)
	10.037	10.817	210180	199139	544	577	119.53- 179.30	149.42(M)
	10.497	11.423	114216	243109	565	577	64.96- 97.44	81.20(M)
	10.810	11.610	225083	135020	585	610	128.01- 192.01	160.01(M)
	11.993	12.130	289893	163889	575	576	164.87- 247.30	206.08(M)
		Average of Peak Amounts =			566	584		
Decachlorobiphenyl	16.827	18.293	337315	372447	57.8	56.7		100.00

QC Flag Legend

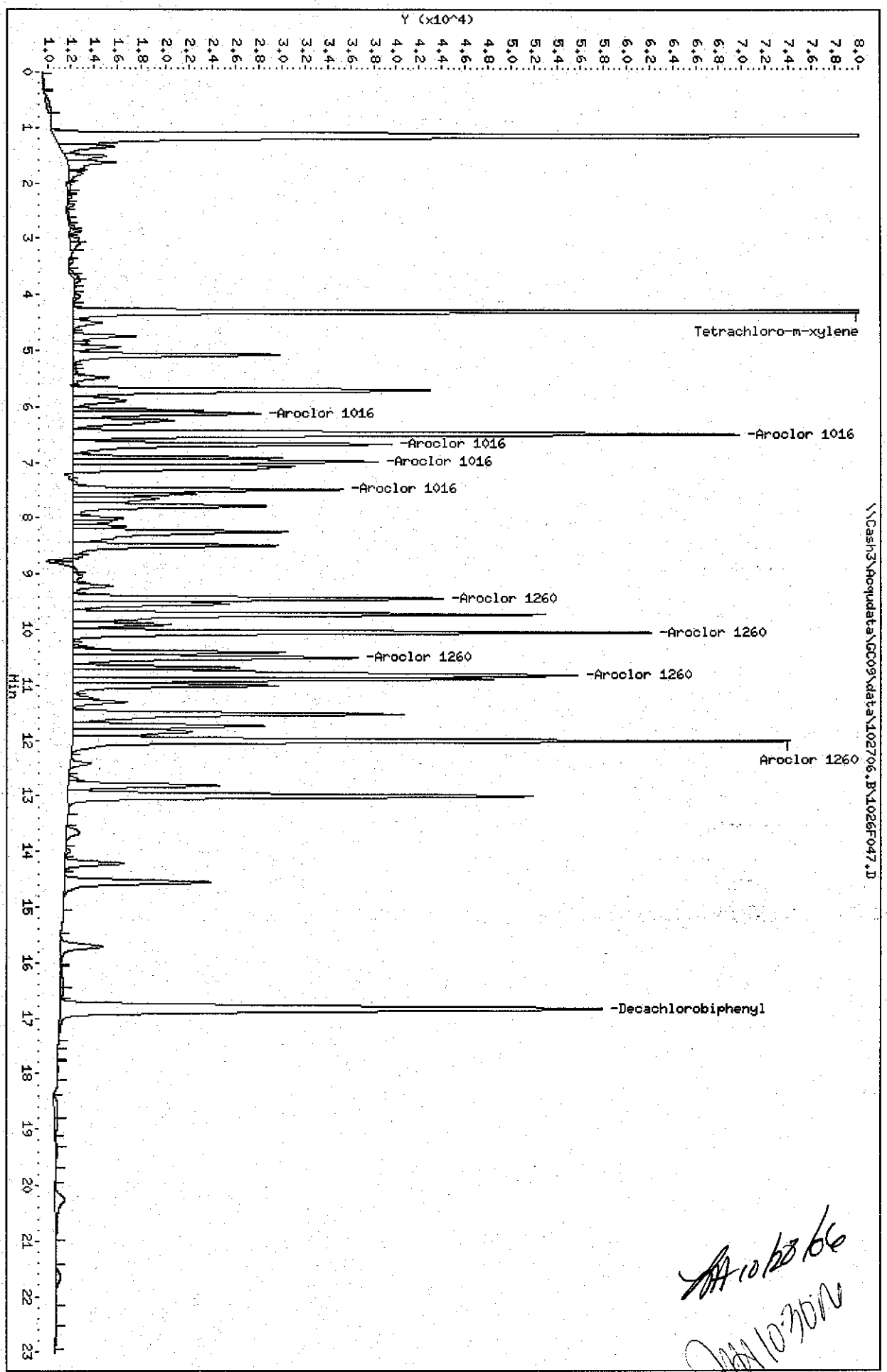
M - Compound response manually integrated.

10/28/06
10-30-06

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F047.D
Date : 28-OCT-2006 14:20
Client ID:
Sample Info: 1660 @ 500ppb I PCB4-80D

Column phase: DB-35MS

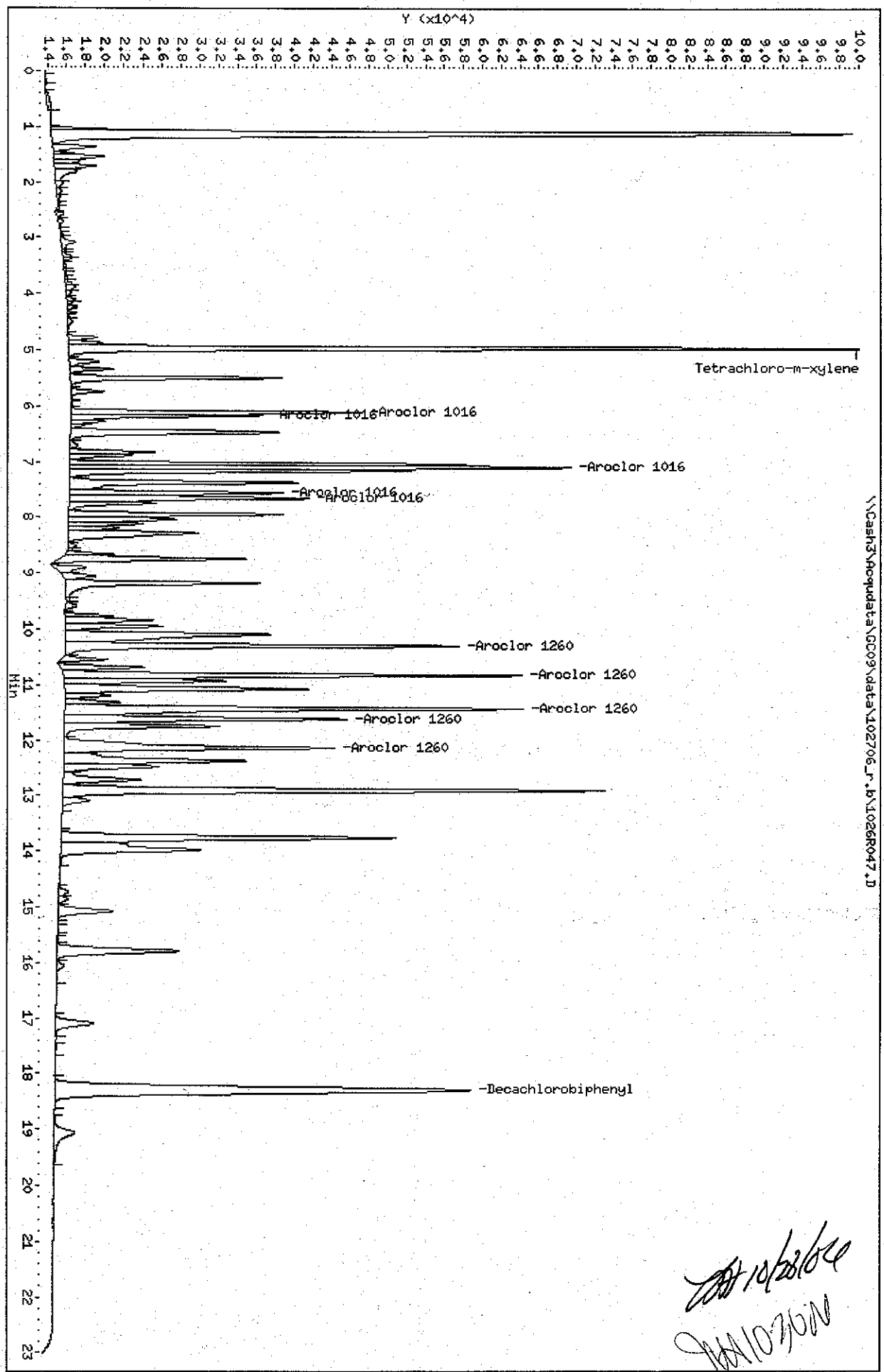
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



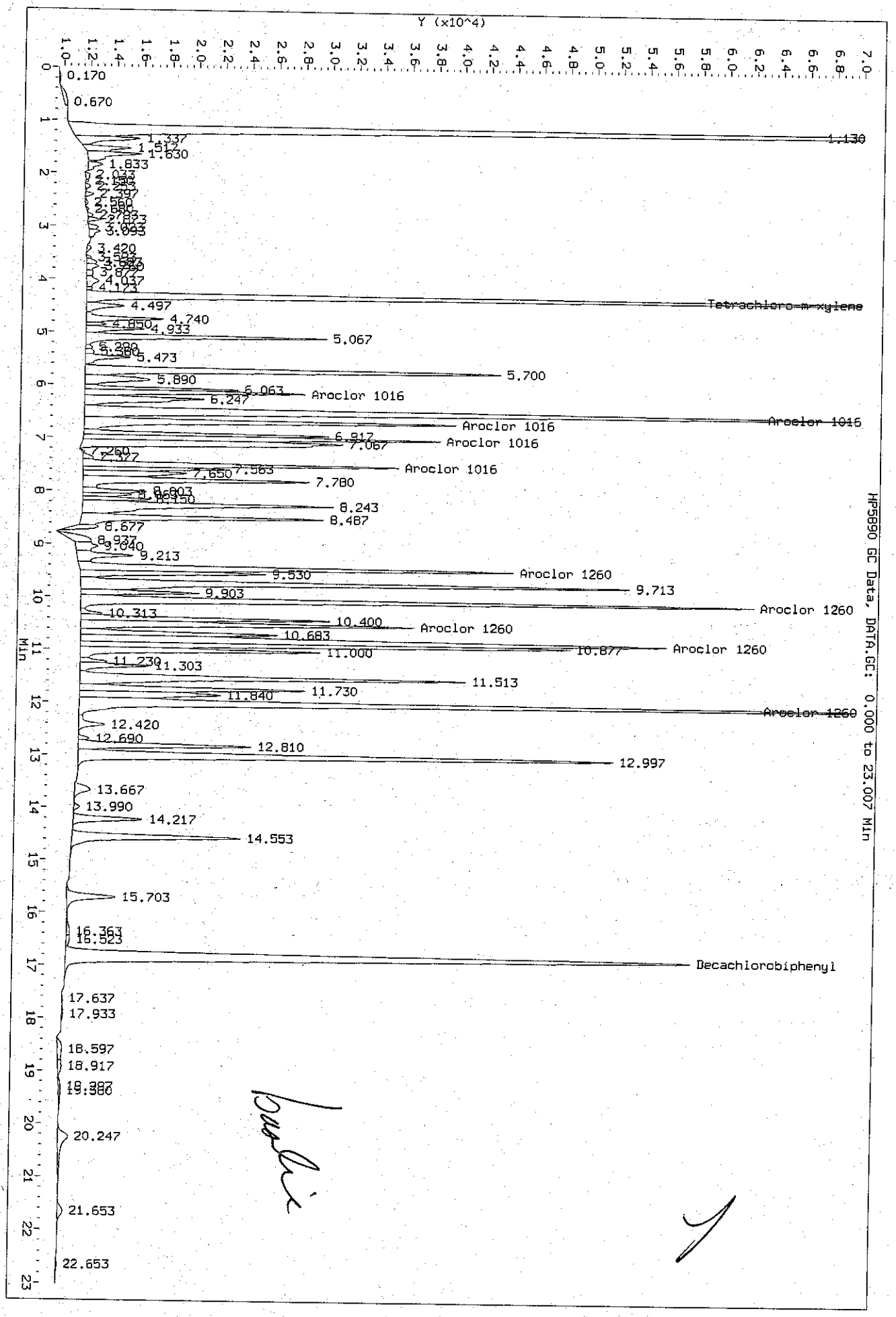
10/30/06

Data File: \\Cash3\Acqudata\GC09\data\102706_r.b\1026R047.D
Date : 28-OCT-2006 14:20
Client ID:
Sample Info: 1660 @ 500ppb I PCB4-80D
Column phase: DB-XLB

Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53



10/28/06
10/30/06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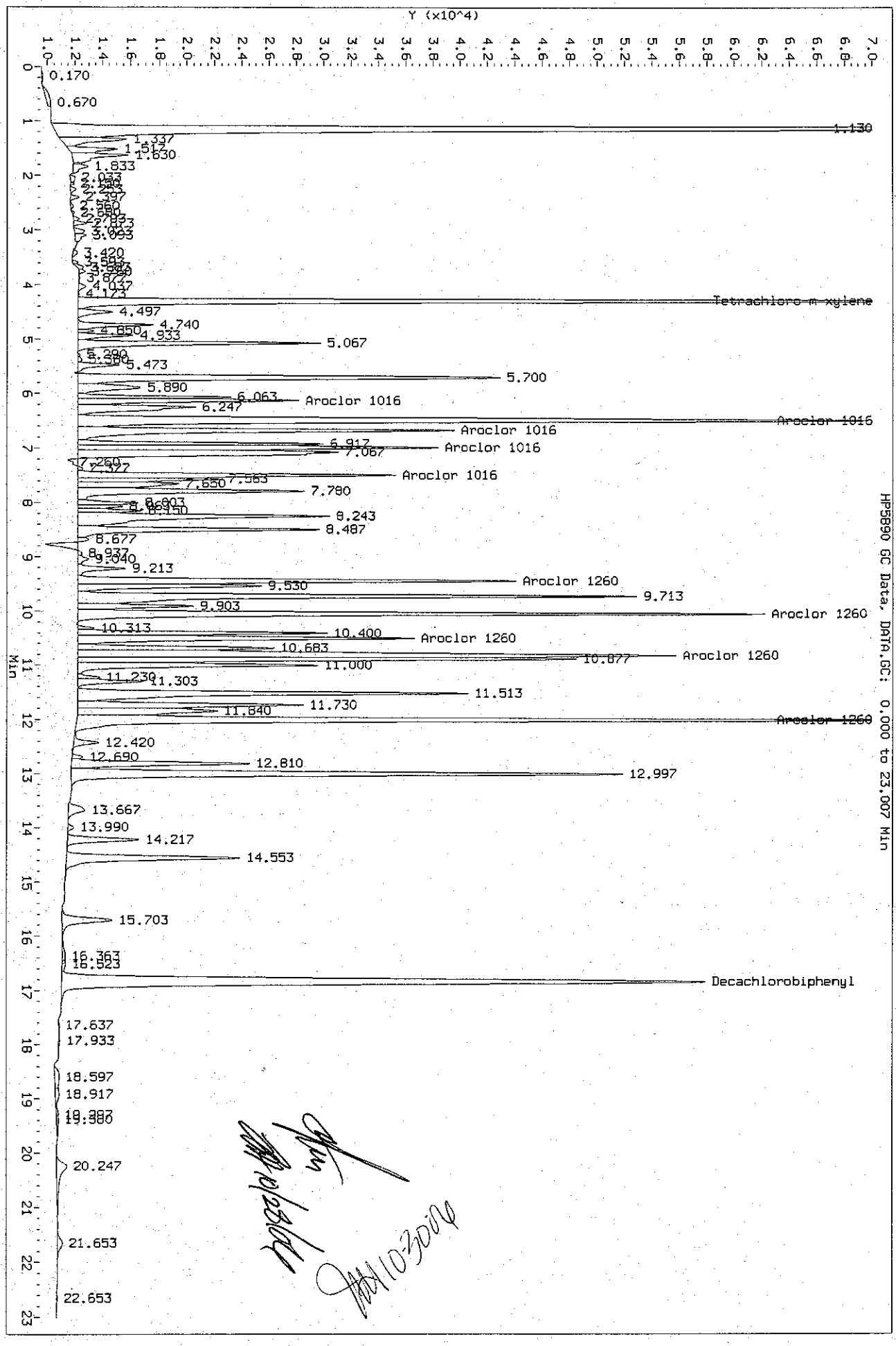
Injection Date: 28-OCT-2006 14:20
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 23.007 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1016
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Aroclor 1260
Decachlorobiphenyl

Data File: \\Cash3\Acqudata\GC09\data\102706.B\1026F047.D
Injection Date: 28-OCT-2006 14:20
Instrument: GC09.1
Client Sample ID:



HP5890 GC Data, DATA.GC: 0.000 to 23.007 Min

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F028.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5830	6140	5	NA	± 15 %	AverageRF
Aroclor 1016	1000	980	NA	NA	NA	-2	± 15 %	NA
Aroclor 1016 {1}	1000	1000	113	114	1	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	820	522	426	-18	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1200	227	267	17	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	197	200	2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	890	163	145	-11	NA	± 100 %	AverageRF
Aroclor 1260	1000	990	NA	NA	NA	-1	± 15 %	NA
Aroclor 1260 {1}	1000	940	252	237	-6	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1100	386	410	6	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	202	230	14	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	700	385	269	-30	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	504	549	9	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R028.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	100	6570	6550	0	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	2	± 15 %	NA
Aroclor 1016 {1}	1000	1000	180	186	3	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1100	122	131	8	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	371	348	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	150	156	4	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	1000	174	174	0	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	1000	312	312	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	970	345	336	-3	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1000	421	434	3	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	221	249	13	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1000	284	298	5	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F028.D
Lab ID: KWG0618420-6
RunType: CCV
Matrix: LIQUID

Date Acquired: 10/31/2006 05:40
Date Quantitated: 10/31/2006 14:46
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: Mb 103106

Secondary Review: VJ 11-1-06

Printed: 10/31/2006 15:30:08
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R028.D
Lab ID: KWG0618420-6
RunType: CCV
Matrix: LIQUID

Date Acquired: 10/31/2006 05:40
Date Quantitated: 10/31/2006 14:51
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: m 10/31/06

Secondary Review: 11-1-06

Printed: 10/31/2006 15:30:11
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/30/2006

Analysis Lot:	KWG0618420	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F028.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R028.D			**Vial:**	97
Acqu Date:	10/31/2006 05:40	**Quant Date:**	10/31/2006 14:46	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0618420-6				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.29	4.95	564470m	656352	100.83	103.51			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	16.81	18.27	614414m	654929	105.38	99.69			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	981.03	1,016			
Aroclor 1016 {1}	6.12	6.10	114389m	185798m	1,012	1,030			
Aroclor 1016 {2}	6.48	6.16	425620m	130862m	815.08	1,075			
Aroclor 1016 {3}	6.66	7.08	266629m	347811m	1,174	937.51			
Aroclor 1016 {4}	6.98	7.55	200068m	156045m	1,017	1,037			
Aroclor 1016 {5}	7.48	7.65	145020m	173745m	887.23	998.24			
Aroclor 1260			0	0	985.49	1,035			
Aroclor 1260 {1}	9.43	10.28	236693m	311820m	939.96	1,000			
Aroclor 1260 {2}	10.04	10.81	410009m	335805m	1,061	972.88			
Aroclor 1260 {3}	10.49	11.42	229952m	433723m	1,137	1,030			
Aroclor 1260 {4}	10.82	11.60	268883m	249306m	698.84	1,127			
Aroclor 1260 {5}	12.00	12.12	549375m	297660m	1,090	1,047			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL5744
Method ID: MJ150

DataFile: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F028.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					981.0	1,000	-1.9
Aroclor 1260		MS	NA	15					985.5	1,000	-1.5
Tetrachloro-m-xylene		SURR	AverageRF	15		5.6E+3	5.6E+3	0.8			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.1E+2	1.1E+2	1.2			
Aroclor 1016 {2}		MULTI	AverageRF	100		5.2E+2	4.3E+2	-18.5			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.3E+2	2.7E+2	17.4			
Aroclor 1016 {4}		MULTI	AverageRF	100		2.0E+2	2.0E+2	1.7			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.6E+2	1.5E+2	-11.3			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.5E+2	2.4E+2	-6.0			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.9E+2	4.1E+2	6.1			
Aroclor 1260 {3}		MULTI	AverageRF	100		2.0E+2	2.3E+2	13.7			
Aroclor 1260 {4}		MULTI	AverageRF	100		3.8E+2	2.7E+2	-30.1			
Aroclor 1260 {5}		MULTI	AverageRF	100		5.0E+2	5.5E+2	9.0			
Decachlorobiphenyl		SURR	AverageRF	15		5.8E+3	6.1E+3	5.4			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	10.1

1 Compounds Failed CCV Criteria

Calibration Verification Report

Calibration ID: CAL5744
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R028.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					1,016	1,000	1.6
Aroclor 1260		MS	NA	15					1,035	1,000	3.5
Tetrachloro-m-xylene		SURR	AverageRF	15		6.3E+3	6.6E+3	3.5			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.8E+2	1.9E+2	3.0			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.2E+2	1.3E+2	7.5			
Aroclor 1016 {3}		MULTI	AverageRF	100		3.7E+2	3.5E+2	-6.2			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.5E+2	1.6E+2	3.7			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.7E+2	1.7E+2	-0.2			
Aroclor 1260 {1}		MULTI	AverageRF	100		3.1E+2	3.1E+2	0.0			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.5E+2	3.4E+2	-2.7			
Aroclor 1260 {3}		MULTI	AverageRF	100		4.2E+2	4.3E+2	3.0			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.2E+2	2.5E+2	12.7			
Aroclor 1260 {5}		MULTI	AverageRF	100		2.8E+2	3.0E+2	4.7			
Decachlorobiphenyl		SURR	AverageRF	15		6.6E+3	6.5E+3	-0.3			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	4.0

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F028.D
Report Date: 31-Oct-2006 14:46

Columbia Analytical Services

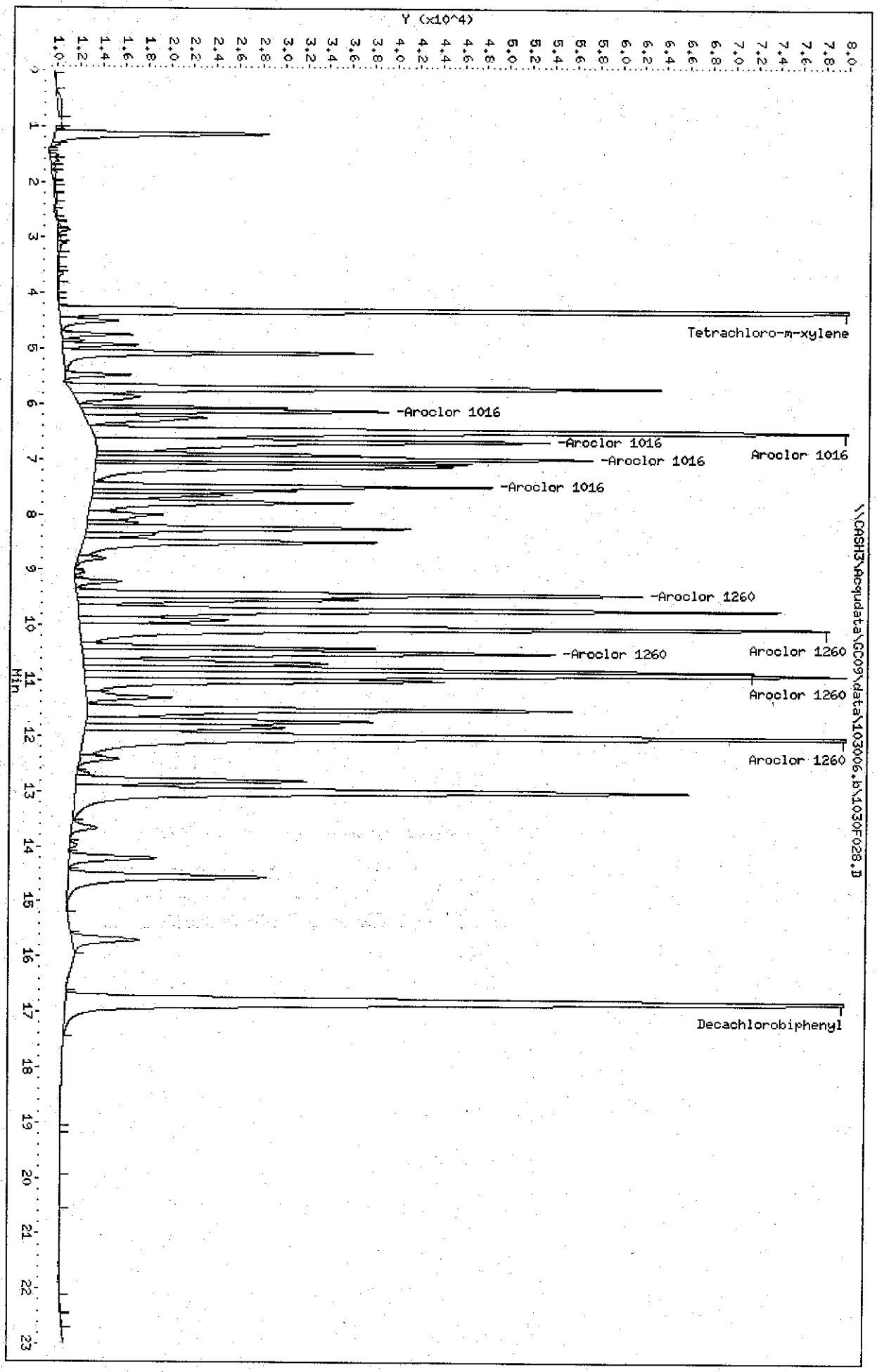
Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F028.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R028.D
Inj Date : 31-OCT-2006 05:40
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0618420-6
Misc Info : SEMIVOA GC\W0618420\6-CCV.H
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

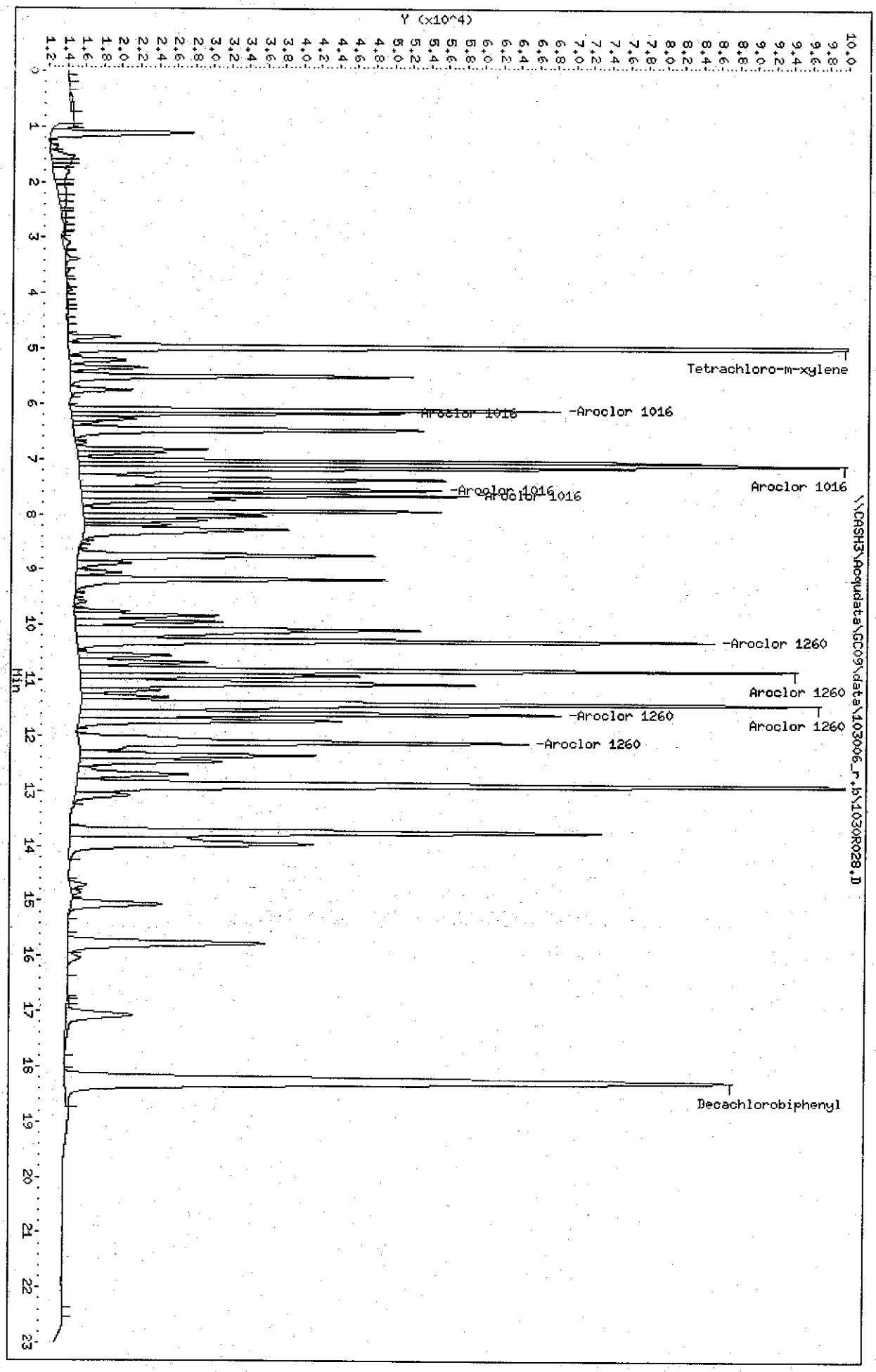
Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.287	4.953	564470	656352	101	104		100.00(M)
Aroclor 1016	6.117	6.100	114389	185798	1010	1030	80.00- 120.00	100.00(M)
	6.480	6.157	425620	130862	815	1080	306.71- 460.06	372.08(M)
	6.663	7.083	266629	347811	1170	938	184.90- 277.36	233.09(M)
	6.977	7.547	200068	156045	1020	1040	141.63- 212.45	174.90(M)
	7.480	7.650	145020	173745	887	998	100.30- 150.45	126.78(M)
		Average of Peak Amounts =			980	1020		
Aroclor 1260	9.430	10.280	236693	311820	940	1000	80.00- 120.00	100.00(M)
	10.037	10.810	410009	335805	1060	973	135.65- 203.47	173.22(M)
	10.490	11.417	229952	433723	1140	1030	75.66- 113.48	97.15(M)
	10.817	11.603	268883	249306	699	1130	104.83- 157.24	113.60(M)
	11.997	12.123	549375	297660	1090	1050	183.57- 275.35	232.10(M)
		Average of Peak Amounts =			986	1040		
Decachlorobiphenyl	16.810	18.270	614414	654929	105	99.7		100.00(M)

QC Flag Legend

M - Compound response manually integrated.


Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F028.D
Date : 31-OCT-2006 05:40
Client ID:
Sample Info: 1660 @ 1000ppb I PCB4-80E I KWG0618420-6
Column phase: DB-35MS
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
-Aroclor 1016
Aroclor 1016
-Aroclor 1260
Aroclor 1260
Decachlorobiphenyl
\\CASH3\Acqudata\GC09\data\103006.b\1030F028.D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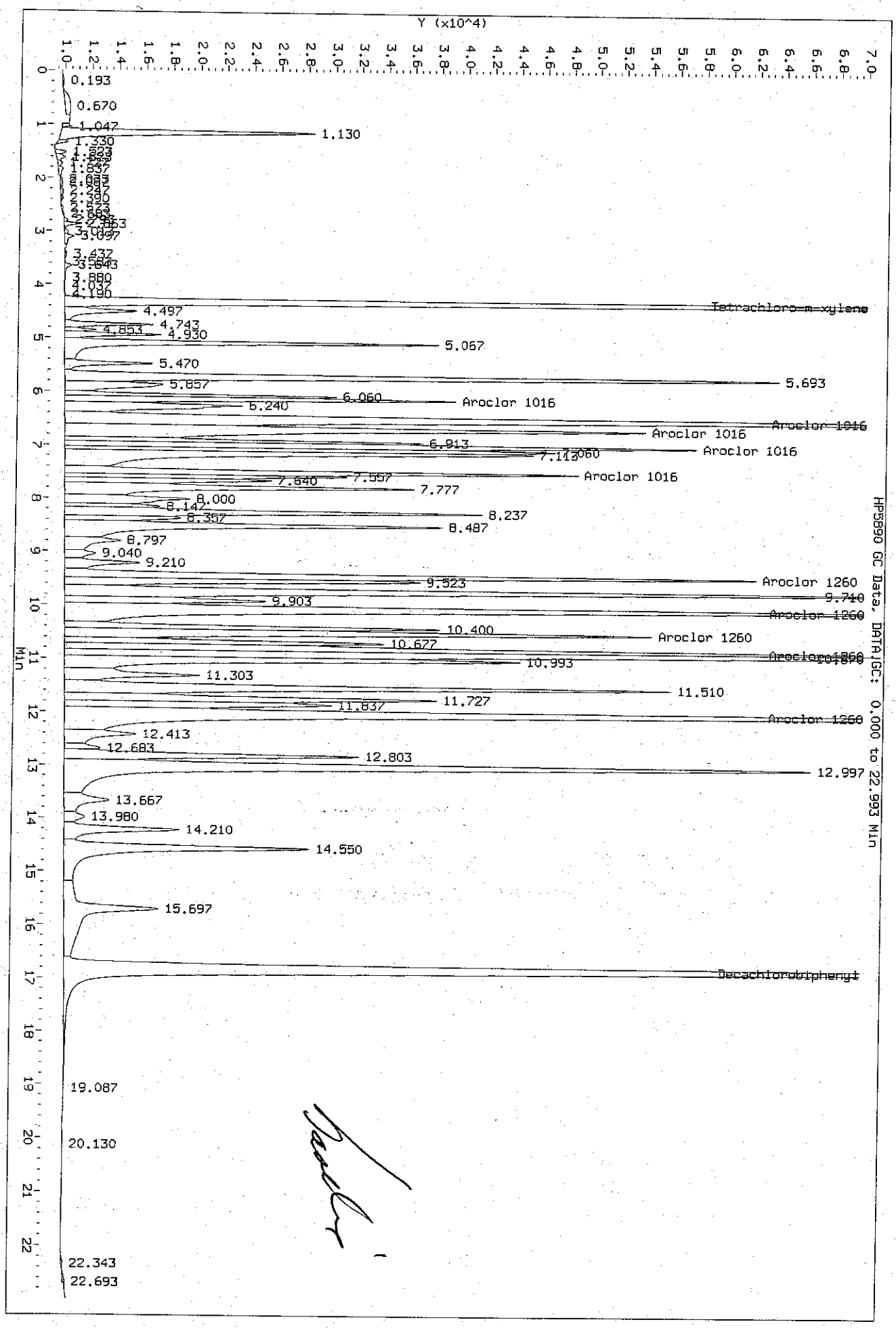
Date : 31-OCT-2006 05:40
Client ID:
Sample Info: 1660 @ 1000ppb I PCB4-80E I KWC0618420-6
Column Phase: DB-XLB
Instrument: GC09.i
Operator: LHarris
Column diameter: 0.53
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
-Aroclor 1016
Aroclor 1016
-Aroclor 1016
Aroclor 1016
-Aroclor 1260
Aroclor 1260
-Aroclor 1260
Aroclor 1260
-Aroclor 1260
Decachlorobiphenyl
\\CASH3\Acquadata\GC09\data\103006_r,b\1030R028.D

Data File: \\Cash3\Acqudata\GC09\data\103006.b\1030F02B.D
Injection Date: 31-OCT-2006 05:40
Instrument: GC09.i
Client Sample ID:



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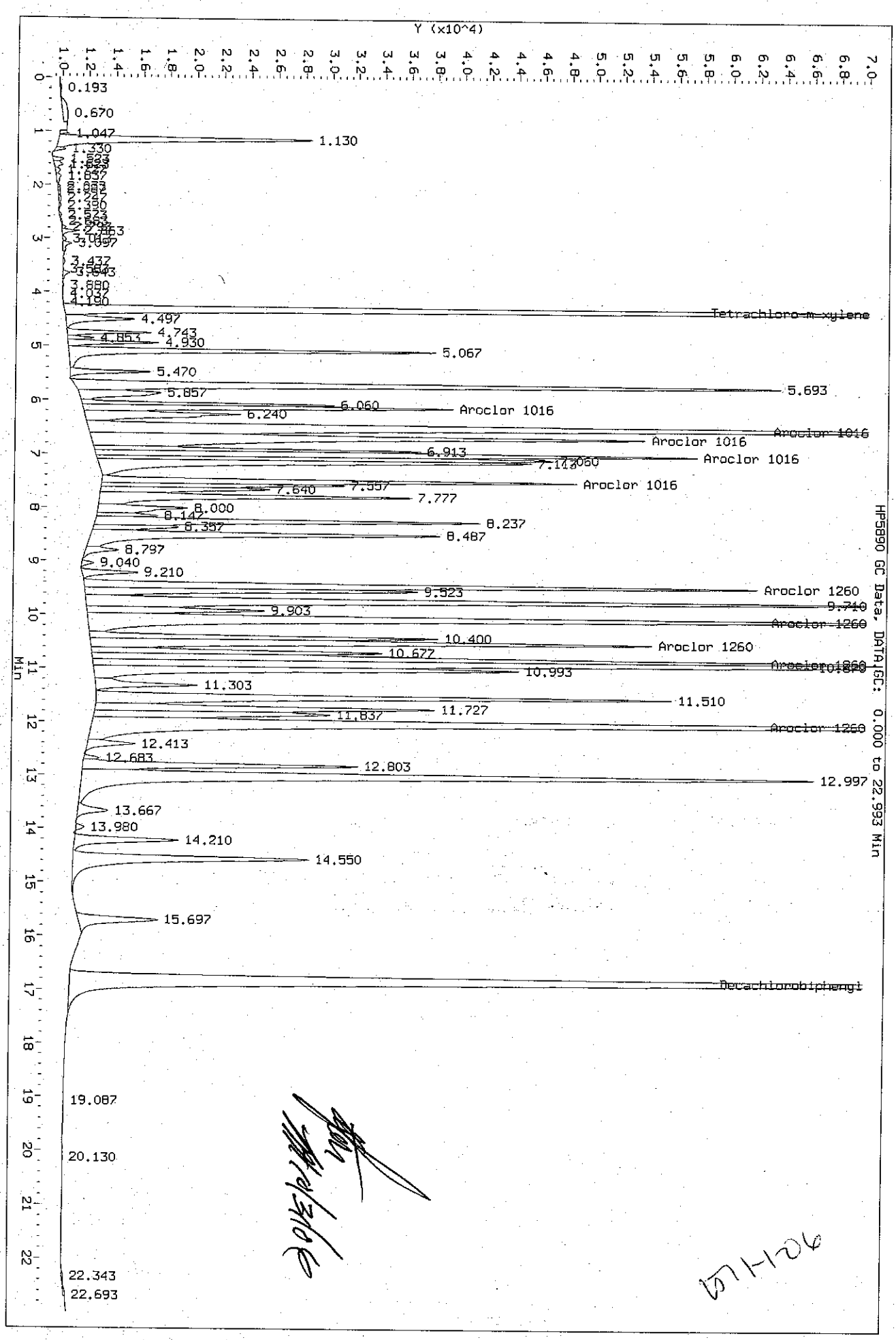
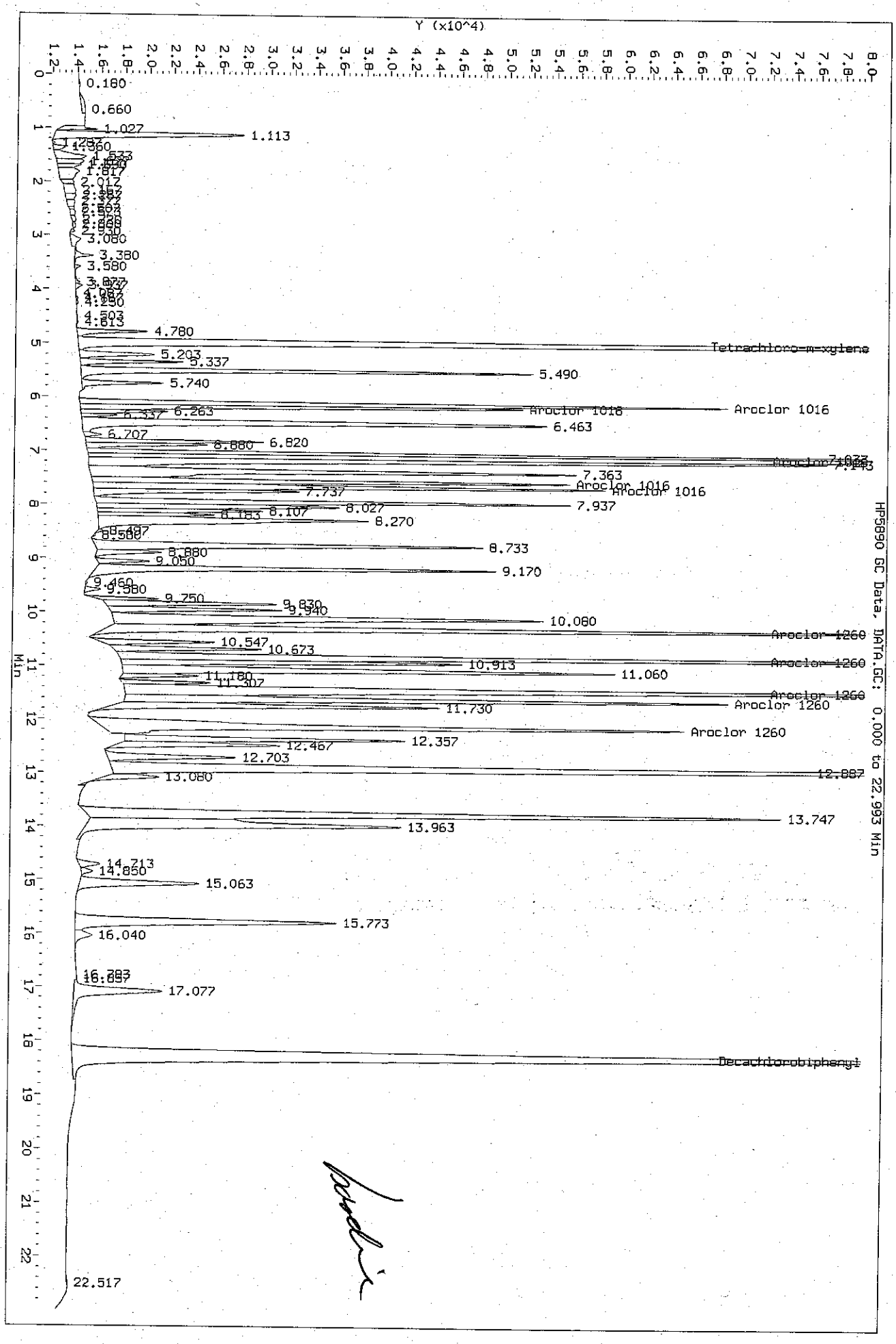
Injection Date: 31-OCT-2006 05:40
Instrument: GC09.i
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\103006_r.b\1030R028.D
Injection Date: 31-OCT-2006 05:40
Instrument: GC09.i
Client Sample ID:
Y (x10^4)
Min
HP5890 GC Data, DATA.GC: 0.000 to 22.993 Min
0.180
0.660
1.027
1.113
1.817
2.017
3.080
3.380
3.580
4.250
4.503
4.613
4.780
Tetrachloro-m-xylene
5.203
5.337
5.490
5.740
Aroclor 1016
6.263
6.463
6.707
6.820
7.363
Aroclor 1016
7.737
7.937
8.027
8.107
8.183
8.270
8.733
8.880
9.050
9.170
9.460
9.580
9.750
9.830
9.940
10.080
Aroclor 1260
10.547
10.673
10.913
11.060
11.180
11.307
11.730
Aroclor 1260
12.357
12.467
12.703
12.887
13.080
13.747
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15.063
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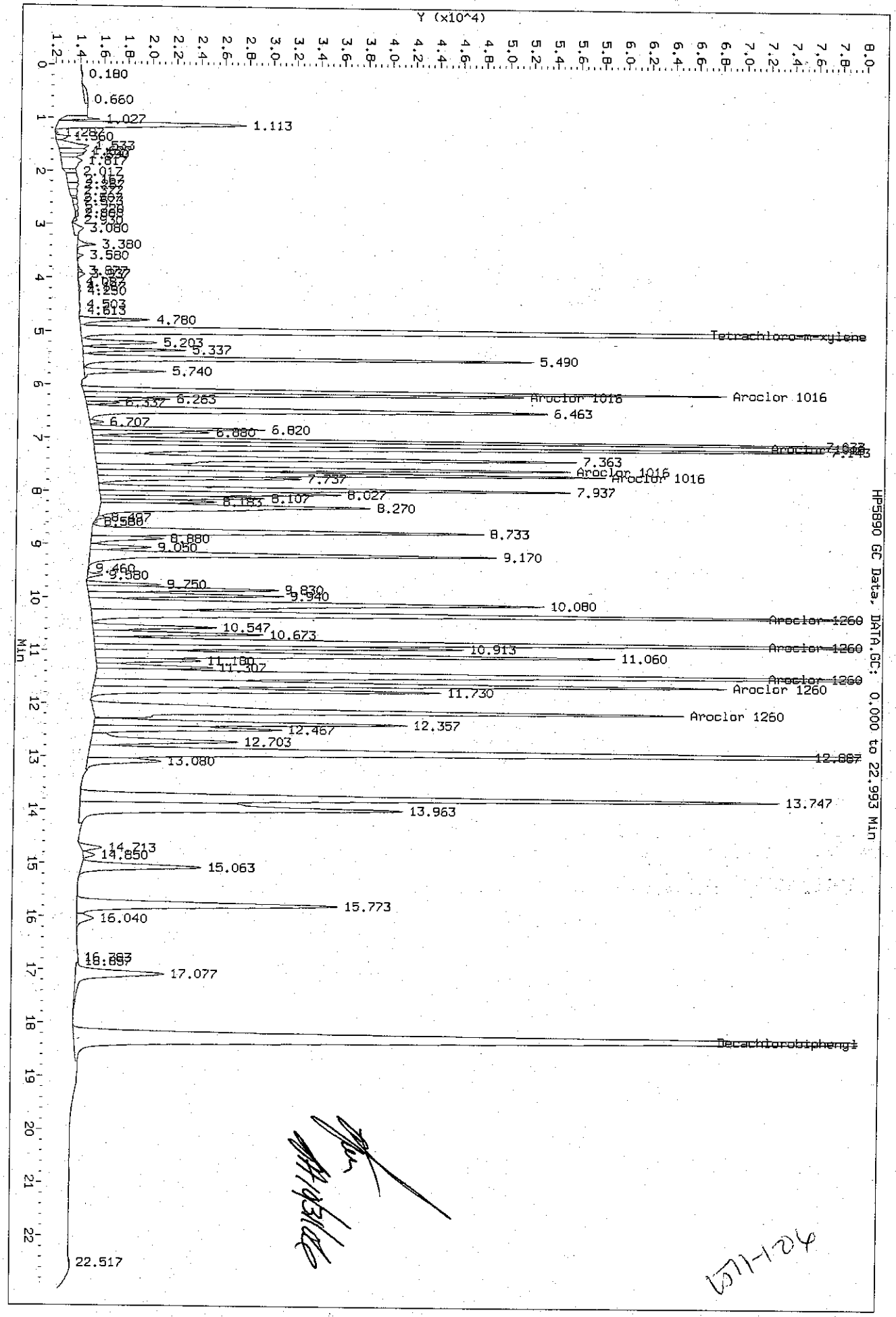
17.077
Decachlorobiphenyl
22.517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Injection Date: 31-OCT-2006 05:40
Instrument: GC09.I
Client Sample ID:
HP5890 GC Data, DATA.GC; 0.000 to 22.993 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Decachlorobiphenyl

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F038.D

Column ID: DB-35MS

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	110	5830	6130	5	NA	± 15 %	AverageRF
Aroclor 1016	1000	1000	NA	NA	NA	1	± 15 %	NA
Aroclor 1016 {1}	1000	1000	113	118	4	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	860	522	451	-14	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	1200	227	272	20	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1100	197	208	6	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	900	163	148	-10	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	0	± 15 %	NA
Aroclor 1260 {1}	1000	950	252	238	-5	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	1000	386	404	5	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	202	225	11	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	810	385	312	-19	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	504	547	8	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

COLUMBIA ANALYTICAL SERVICES, INC.

QA/QC Results

Client: URS Corporation
Project: Alaska Salt Chuck Mine/26219784

Service Request: K0608882
Date Analyzed: 10/31/2006

Continuing Calibration Verification Summary
Polychlorinated Biphenyls (PCBs)

Calibration Type: External Standard
Analysis Method: 8082
CCV Standard ID: PCB4-80E

Calibration Date: 10/27/2006
Calibration ID: CAL5744
Analysis Lot: KWG0618420
Units: ng/mL

File ID: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R038.D

Column ID: DB-XLB

Analyte Name	Expected	Result	Average RF	CCV RF	%D	%Drift	Criteria	Curve Fit
Decachlorobiphenyl	100	99	6570	6530	-1	NA	± 15 %	AverageRF
Aroclor 1016	1000	990	NA	NA	NA	-1	± 15 %	NA
Aroclor 1016 {1}	1000	1000	180	184	2	NA	± 100 %	AverageRF
Aroclor 1016 {2}	1000	1000	122	125	3	NA	± 100 %	AverageRF
Aroclor 1016 {3}	1000	940	371	349	-6	NA	± 100 %	AverageRF
Aroclor 1016 {4}	1000	1000	150	153	2	NA	± 100 %	AverageRF
Aroclor 1016 {5}	1000	960	174	167	-4	NA	± 100 %	AverageRF
Aroclor 1260	1000	1000	NA	NA	NA	4	± 15 %	NA
Aroclor 1260 {1}	1000	1000	312	311	0	NA	± 100 %	AverageRF
Aroclor 1260 {2}	1000	980	345	337	-2	NA	± 100 %	AverageRF
Aroclor 1260 {3}	1000	1100	421	442	5	NA	± 100 %	AverageRF
Aroclor 1260 {4}	1000	1100	221	245	11	NA	± 100 %	AverageRF
Aroclor 1260 {5}	1000	1100	284	301	6	NA	± 100 %	AverageRF

Results flagged with an asterisk (*) indicate values outside control criteria.

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F038.D
Lab ID: KWG0618420-8
RunType: CCV
Matrix: LIQUID

Date Acquired: 10/31/2006 10:26
Date Quantitated: 10/31/2006 14:48
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 10/31/06

Secondary Review: 11/1/06

Printed: 10/31/2006 15:31:16
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R038.D
Lab ID: KWG0618420-8
RunType: CCV
Matrix: LIQUID

Date Acquired: 10/31/2006 10:26
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: lm 11/3/06

Secondary Review: LT 11-1-06

Printed: 10/31/2006 15:31:19
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/30/2006

Analysis Lot:	KWG0618420	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F038.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R038.D			**Vial:**	97
Acqu Date:	10/31/2006 10:26	**Quant Date:**	10/31/2006 14:48	**Dilution:**	1.0
Run Type:	CCV			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0618420-8				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	4.28	4.95	549499m	639250	98.16	100.81			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	16.79	18.25	613483m	652905	105.22	99.38			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	1,013	992.41			
Aroclor 1016 {1}	6.11	6.09	117651m	183670m	1,040	1,018			
Aroclor 1016 {2}	6.48	6.15	451057m	125098m	863.79	1,028			
Aroclor 1016 {3}	6.66	7.08	271927m	349328m	1,197	941.60			
Aroclor 1016 {4}	6.97	7.54	208288m	152944m	1,059	1,017			
Aroclor 1016 {5}	7.47	7.64	147507m	166790m	902.44	958.28			
Aroclor 1260			0	0	1,000	1,039			
Aroclor 1260 {1}	9.42	10.28	238195m	311286m	945.92	998.39			
Aroclor 1260 {2}	10.03	10.80	403882m	337171m	1,046	976.84			
Aroclor 1260 {3}	10.48	11.41	225259m	442226m	1,114	1,050			
Aroclor 1260 {4}	10.81	11.60	312121m	245296m	811.22	1,109			
Aroclor 1260 {5}	11.99	12.12	546568m	301160m	1,084	1,059			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Calibration Verification Report

Calibration ID: CAL5744
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F038.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					1,013	1,000	1.3
Aroclor 1260		MS	NA	15					1,000	1,000	0.0
Tetrachloro-m-xylene		SURR	AverageRF	15		5.6E+3	5.5E+3	-1.8			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.1E+2	1.2E+2	4.0			
Aroclor 1016 {2}		MULTI	AverageRF	100		5.2E+2	4.5E+2	-13.6			
Aroclor 1016 {3}		MULTI	AverageRF	100		2.3E+2	2.7E+2	19.7			
Aroclor 1016 {4}		MULTI	AverageRF	100		2.0E+2	2.1E+2	5.9			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.6E+2	1.5E+2	-9.8			
Aroclor 1260 {1}		MULTI	AverageRF	100		2.5E+2	2.4E+2	-5.4			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.9E+2	4.0E+2	4.6			
Aroclor 1260 {3}		MULTI	AverageRF	100		2.0E+2	2.3E+2	11.4			
Aroclor 1260 {4}		MULTI	AverageRF	100		3.8E+2	3.1E+2	-18.9			
Aroclor 1260 {5}		MULTI	AverageRF	100		5.0E+2	5.5E+2	8.4			
Decachlorobiphenyl		SURR	AverageRF	15		5.8E+3	6.1E+3	5.2			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	9.1

Calibration Verification Report

Calibration ID: CAL5744
Method ID: MJ150
DataFile: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R038.D

Parameter Name	Type	PARM Type	Curve Fit	Method Criteria	Min RF	ICAL RF	CCV RF	%Diff	Sol'n Conc.	True Value	% Drift
Aroclor 1016		MS	NA	15					992.4	1,000	-0.8
Aroclor 1260		MS	NA	15					1,039	1,000	3.9
Tetrachloro-m-xylene		SURR	AverageRF	15		6.3E+3	6.4E+3	0.8			
Aroclor 1016 {1}		MULTI	AverageRF	100		1.8E+2	1.8E+2	1.8			
Aroclor 1016 {2}		MULTI	AverageRF	100		1.2E+2	1.3E+2	2.8			
Aroclor 1016 {3}		MULTI	AverageRF	100		3.7E+2	3.5E+2	-5.8			
Aroclor 1016 {4}		MULTI	AverageRF	100		1.5E+2	1.5E+2	1.7			
Aroclor 1016 {5}		MULTI	AverageRF	100		1.7E+2	1.7E+2	-4.2			
Aroclor 1260 {1}		MULTI	AverageRF	100		3.1E+2	3.1E+2	-0.2			
Aroclor 1260 {2}		MULTI	AverageRF	100		3.5E+2	3.4E+2	-2.3			
Aroclor 1260 {3}		MULTI	AverageRF	100		4.2E+2	4.4E+2	5.0			
Aroclor 1260 {4}		MULTI	AverageRF	100		2.2E+2	2.5E+2	10.9			
Aroclor 1260 {5}		MULTI	AverageRF	100		2.8E+2	3.0E+2	5.9			
Decachlorobiphenyl		SURR	AverageRF	15		6.6E+3	6.5E+3	-0.6			

Alternate Calibration Evaluation Summary

Maximum Allowable Average %D =	15.0
Calculated Average %D =	3.5

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F038.D
Report Date: 31-Oct-2006 14:48

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F038.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R038.D
Inj Date : 31-OCT-2006 10:26
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0618420-8
Misc Info : SEMIVOA GC\W0618420\8-CCV.H
Cal Date : 31-OCT-2006 10:49
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : AR1660.SUB
Sub List #2 : AR1660.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	4.283	4.950	549499	639250	98.2	101		100.00(M)
Aroclor 1016	6.113	6.093	117651	183670	1040	1020	80.00- 120.00	100.00(M)
	6.477	6.153	451057	125098	864	1030	306.71- 460.06	383.38(M)
	6.660	7.080	271927	349328	1200	942	184.90- 277.36	231.13(M)
	6.970	7.543	208288	152944	1060	1020	141.63- 212.45	177.04(M)
	7.473	7.643	147507	166790	902	958	100.30- 150.45	125.38(M)
		Average of Peak Amounts =			1010	994		
Aroclor 1260	9.423	10.277	238195	311286	946	998	80.00- 120.00	100.00(M)
	10.030	10.803	403882	337171	1040	977	135.65- 203.47	169.56(M)
	10.483	11.410	225259	442226	1110	1050	75.66- 113.48	94.57(M)
	10.807	11.597	312121	245296	811	1110	104.83- 157.24	131.04(M)
	11.987	12.117	546568	301160	1080	1060	183.57- 275.35	229.46(M)
		Average of Peak Amounts =			997	1040		
Decachlorobiphenyl	16.793	18.253	613483	652905	105	99.4		100.00(M)

QC Flag Legend

M - Compound response manually integrated.

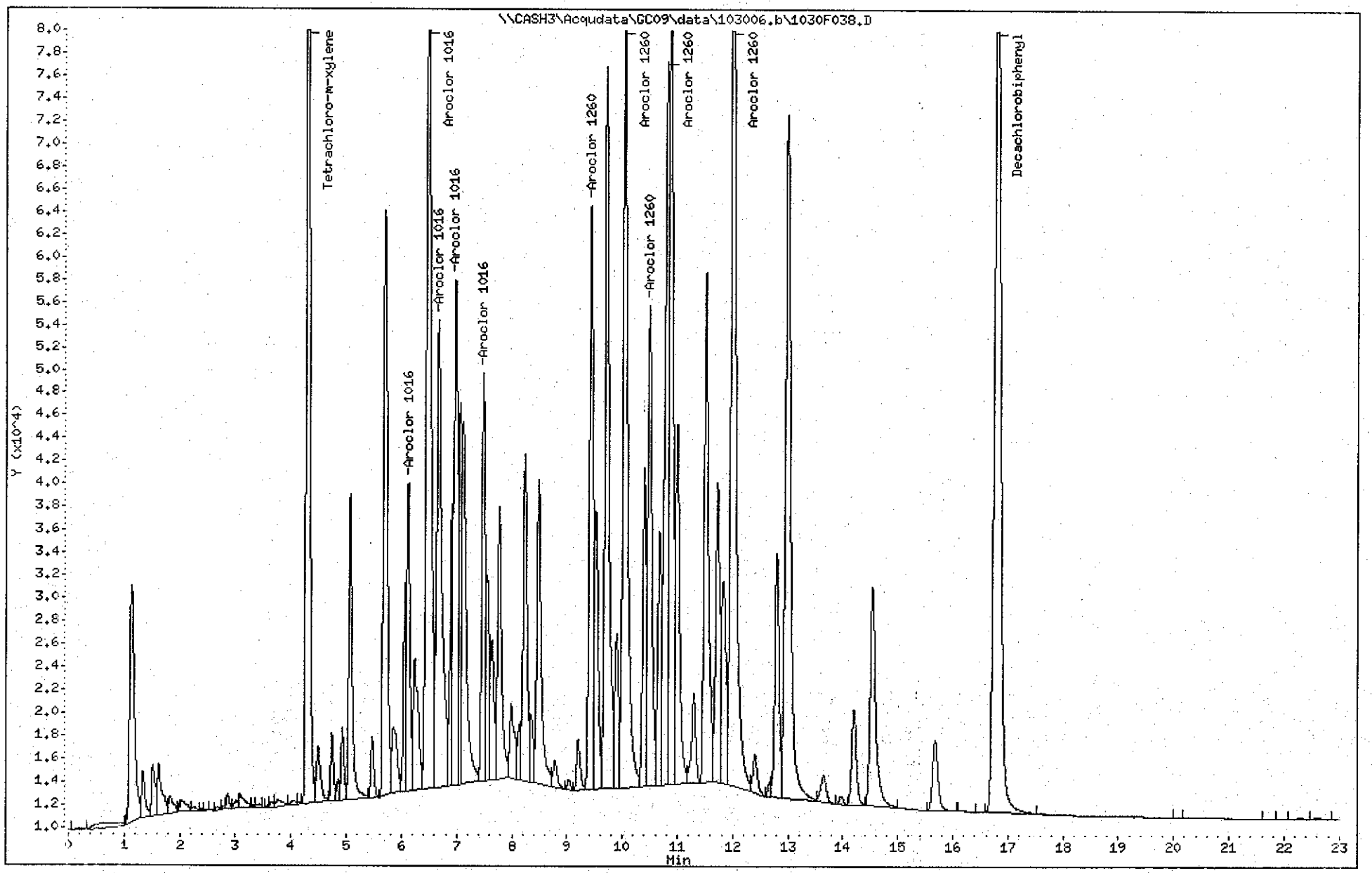
Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F038.D
Date : 31-OCT-2006 10:26
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0618420-8

Instrument: GC09.i

Operator: LHarris

Column phase: DB-35MS

Column diameter: 0.53



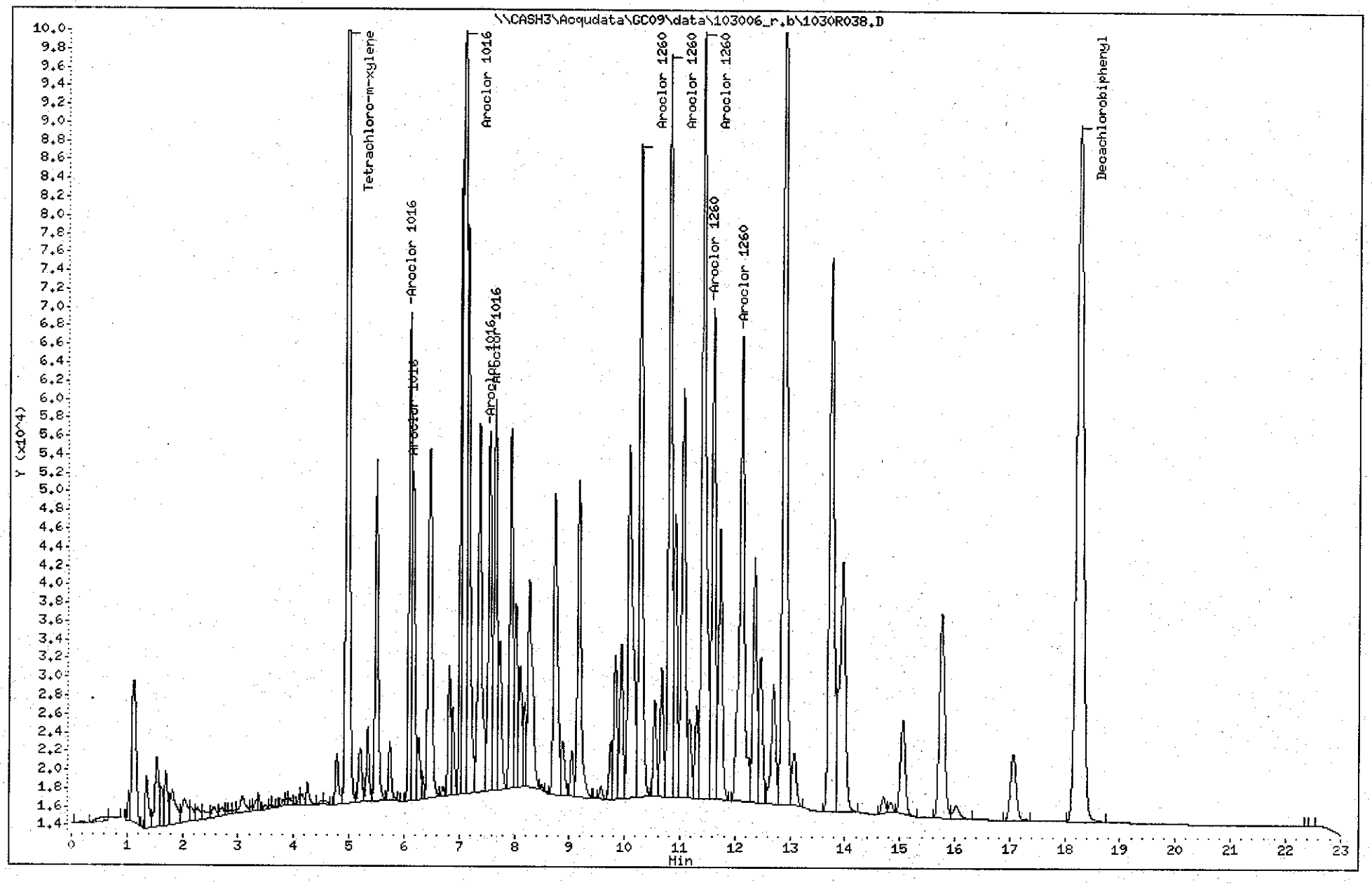
Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R038.D
Date : 31-OCT-2006 10:26
Client ID:
Sample Info: 1660 @ 1000ppb | PCB4-80E | KWG0618420-8

Instrument: GC09.i

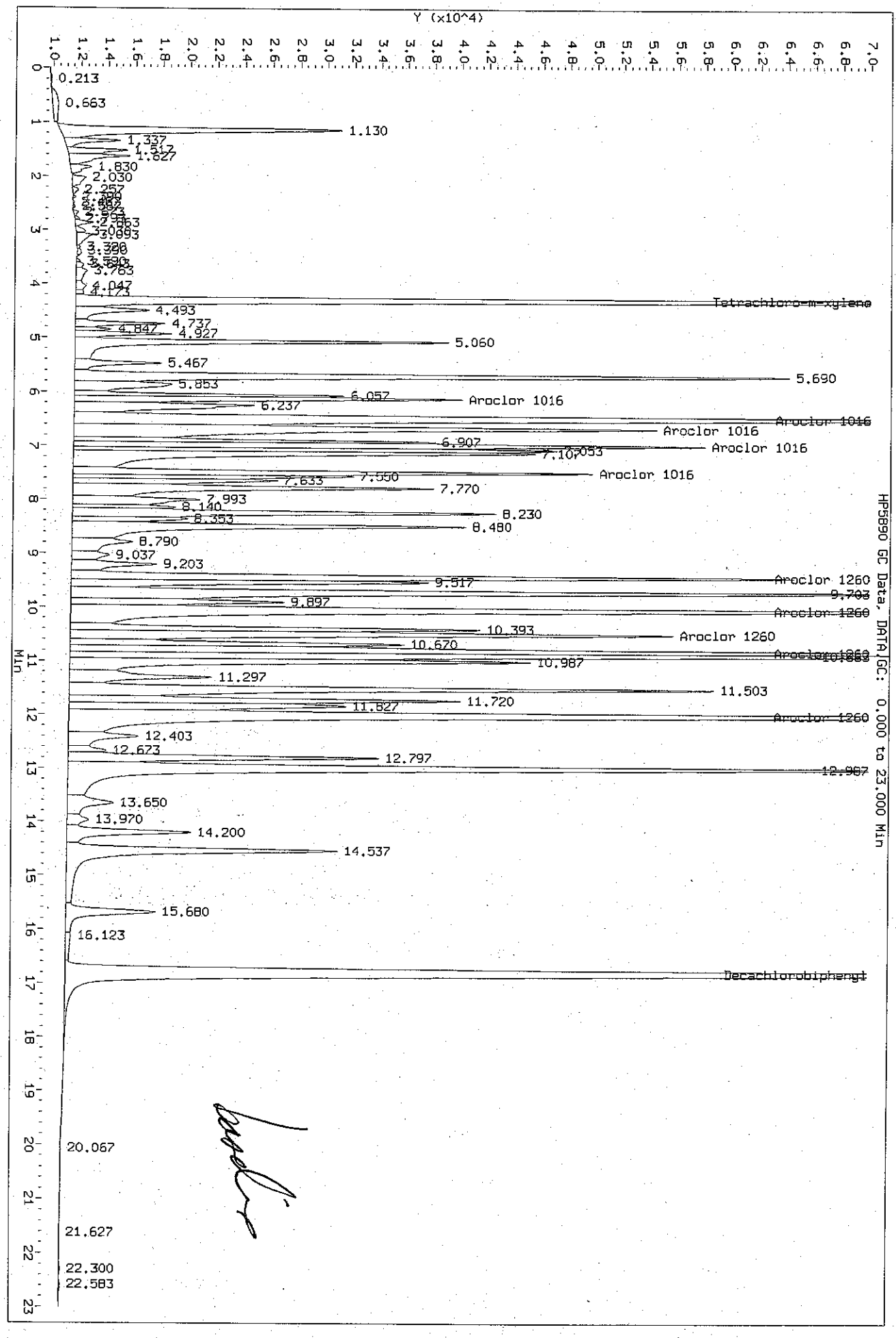
Operator: LHarris

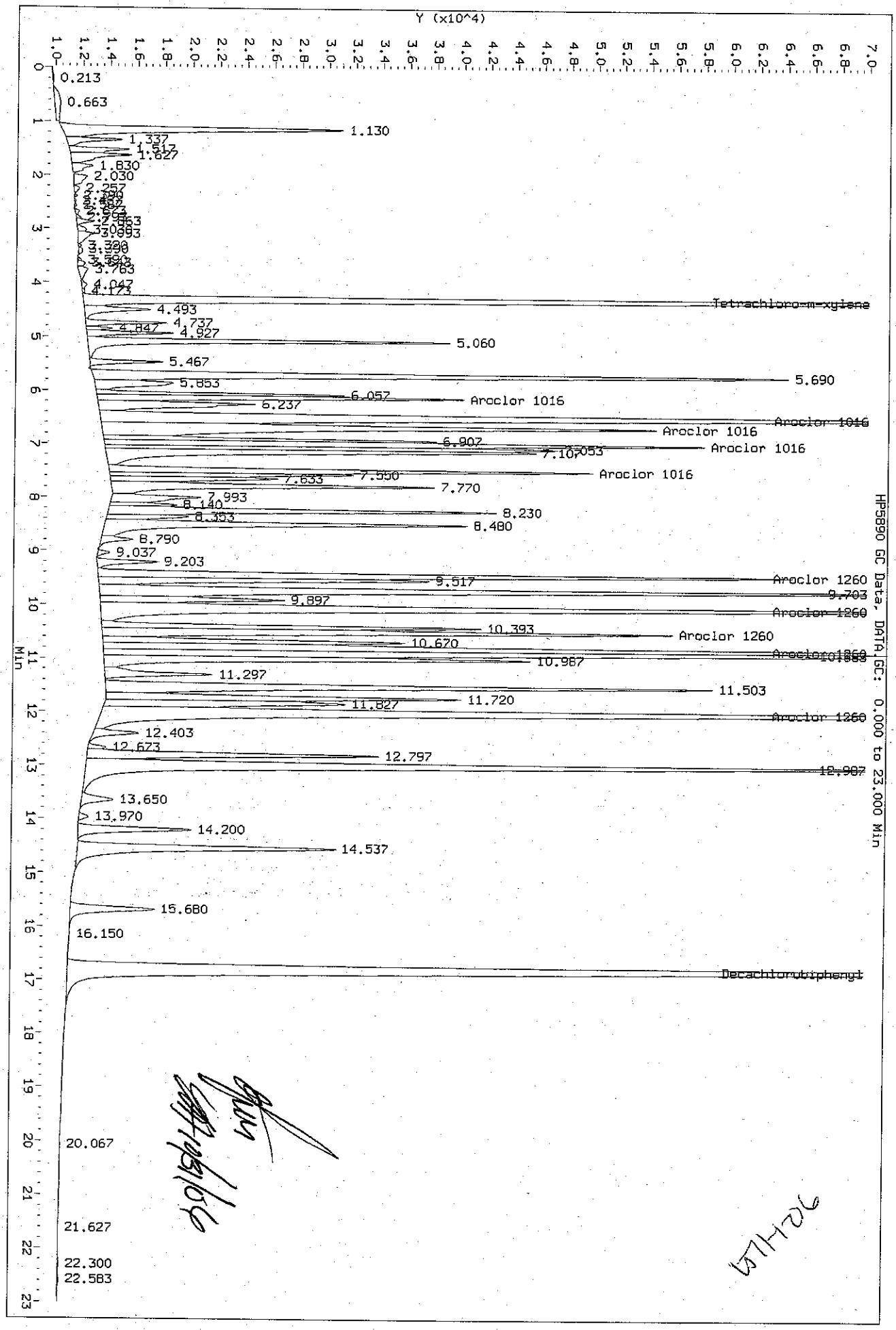
Column phase: DB-XLB

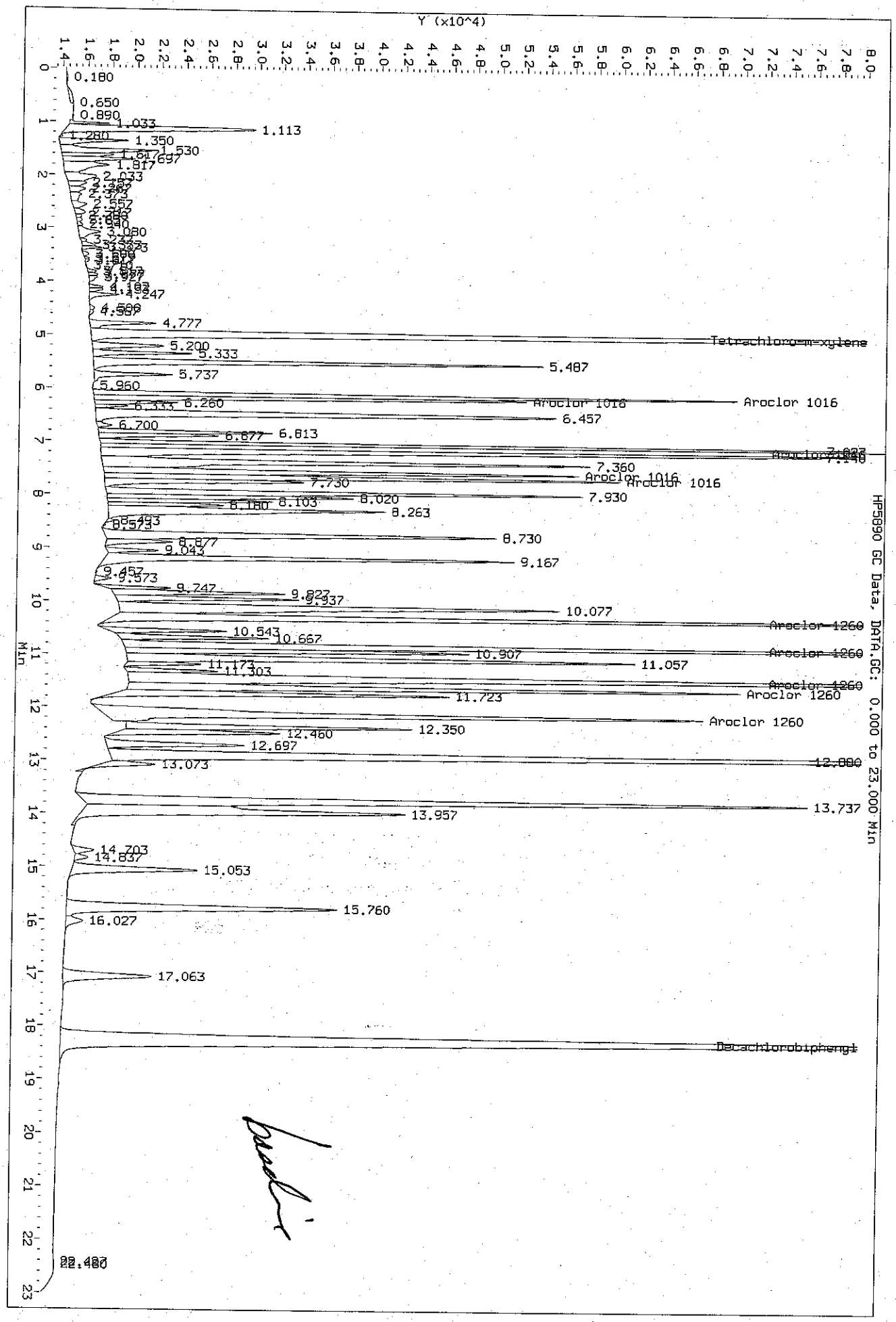
Column diameter: 0.53

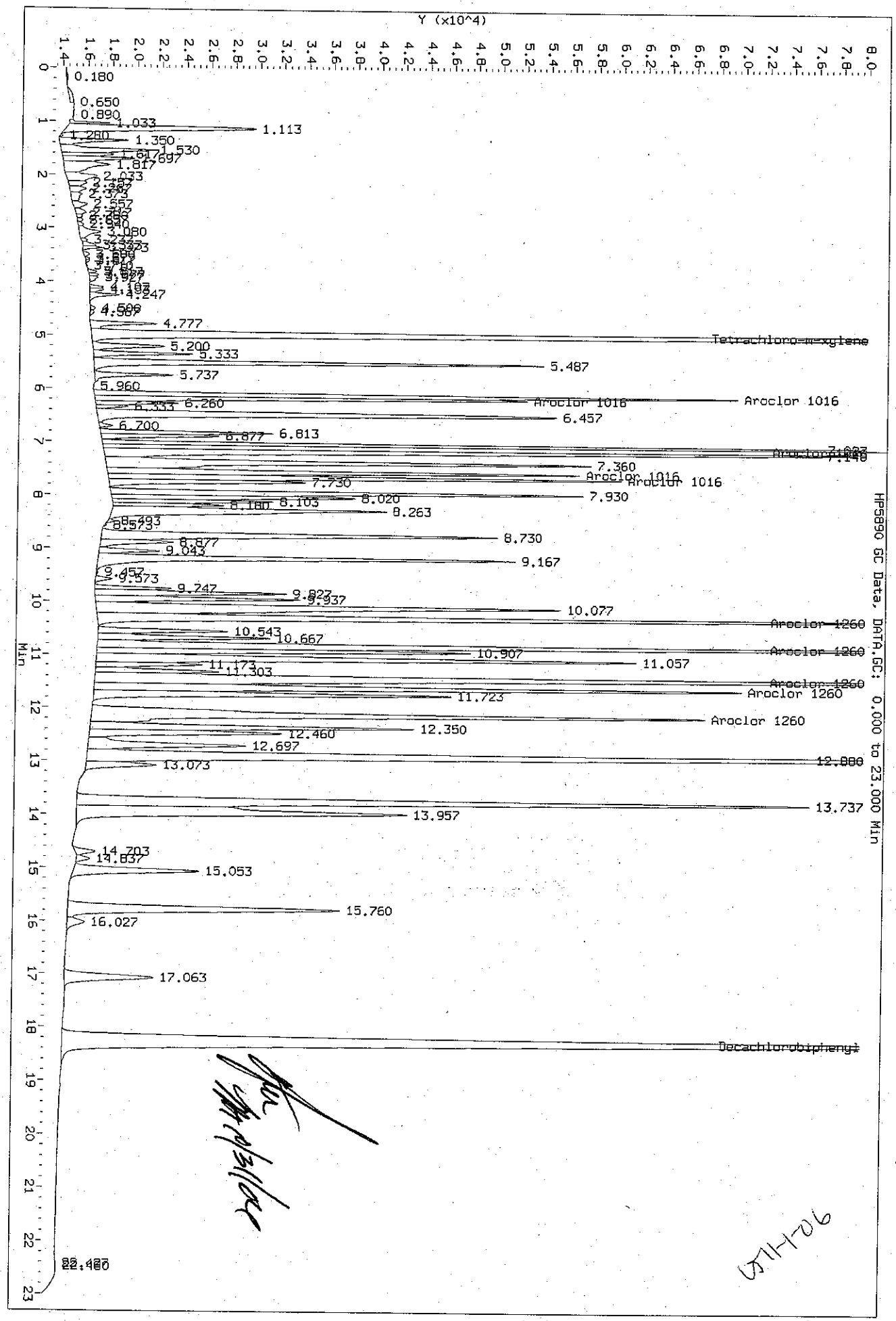


Data File: \\Cash3\Acqudata\GC09\data\103006.b\1030F038.D
Injection Date: 31-OCT-2006 10:26
Instrument: GC09.1
Client Sample ID:




Data File: \\Cash3\Acqudata\GC09\data\103006.b\1030F038.D
Injection Date: 31-OCT-2006 10:26
Instrument: GC09.i
Client Sample ID:
Y (x10^4)
HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min
Min
0.213
0.663
1.130
1.337
1.517
1.627
1.830
2.030
2.257
2.483
2.763
3.093
3.320
3.763
4.047
4.173
Tetrachloro-m-xylene
4.493
4.737
4.847
4.927
5.060
5.467
5.690
5.853
6.057
6.237
Aroclor 1016
Aroclor 1016
Aroclor 1016
6.907
7.053
Aroclor 1016
Aroclor 1016
7.633
7.550
7.770
7.993
8.140
8.230
8.353
8.480
8.790
9.037
9.203
9.517
Aroclor 1260
9.703
9.897
Aroclor 1260
10.393
Aroclor 1260
10.670
10.987
11.297
11.503
11.720
11.827
Aroclor 1260
12.403
12.623
12.797
12.987
13.650
13.970
14.200
14.537
15.680
16.150
Decachlorobiphenyl
20.067
21.627
22.300
22.583


Data File: \\Cash3\Acqudata\GC09\data\103006_r.b\1030R038.D
Injection Date: 31-OCT-2006 10:26
Instrument: GC09.I
Client Sample ID:
Y (x10^4)
HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Decachlorobiphenyl


Data File: \\Cash3\Acqudata\GC09\data\103006_r.b\1030R039.D
Injection Date: 31-OCT-2006 10:26
Instrument: GC09.1
Client Sample ID:
HP5890 GC Data, DATA.GC: 0.000 to 23.000 Min
Y (x10^4)
Min
Tetrachloro-m-xylene
Aroclor 1016
Aroclor 1260
Decachlorobiphenyl

Organic Analysis:
Polychlorinated Biphenyls (PCBs)

Validation Package

Sample Prep and Screen Data

Sequence Name: D:\GC09\SEQUENCE\103006.S
Comment:
Operator: LHarris
Data Path: D:\GC09\DATA\103006.B\
Pre-Seq Cmd:
Post-Seq Cmd:

Method Sections To Run
(X) Full Method
( ) Reprocessing Only

On A Barcode Mismatch
(X) Inject Anyway
( ) Don't Inject

ICAL 5744

Run # 68565

	Line	Type	Vial	DataFile	Method	Sample Name
	1	DeleteGC				
	2	MaskName -	----r---			
	3	IB	1	1030F001	PCB1	IB
	4	IB	2	1030F002	PCB1	KWG0618420-1 | IB | 8082 PCB
OK,OK	5	CCV	96	1030F003	PCB1	1660 @ 1000ppb | PCB4-80E | KWG061842
	6	SMPL	3	1030F004	PCB1	K0608592-001 | PB003-1SS002-N @10X
	7	SMPL	4	1030F005	PCB1	K0608592-002 | PB003-1SC011-N @10X
	8	SMPL	5	1030F006	PCB1	K0608592-003 | PB003-1SC041-N @10X
	9	SMPL	6	1030F007	PCB1	K0608592-004 | PB003-1SC071-N @10X
	10	SMPL	7	1030F008	PCB1	K0608592-005 | PB003-1SC101-N @10X
	11	SMPL	8	1030F009	PCB1	K0608592-006 | PB003-1SC131-N @10X
	12	SMPL	9	1030F010	PCB1	K0608592-007 | PB003-1SC161-N @10X
	13	SMPL	10	1030F011	PCB1	K0608592-008 | PB003-1SC191-N @10X
	14	SMPL	11	1030F012	PCB1	K0608592-009 | PB009-ISS002-N @10X
	15	IB	1	1030F013	BAKE	BAKE
	16	IB	2	1030F014	PCB1	KWG0618420-3 | IB | 8082 PCB
OK,OK	17	CCV	96	1030F015	PCB1	1660 @ 1000ppb | PCB4-80E | KWG061842
	18	SMPL	12	1030F016	PCB1	K0608592-010 | PB009-1SC011-N @10X
	19	SMPL	13	1030F017	PCB1	K0608592-011 | PB009-1SC031-N @10X
	20	SMPL	14	1030F018	PCB1	K0608592-012 | PB009-1SC062-N @10X
	21	SMPL	15	1030F019	PCB1	K0608592-013 | PB009-1SC093-N @10X
	22	SMPL	16	1030F020	PCB1	K0608592-014 | PB009-1SC124-N @10X
	23	SMPL	17	1030F021	PCB1	K0608592-015 | PB009-1SC135-N @10X
	24	SMPL	18	1030F022	PCB1	K0608592-016 | PB016-1SC002-N @10X
	25	SMPL	19	1030F023	PCB1	K0608592-018 | PB016-1SC041-N @10X
	26	SMPL	20	1030F024	PCB1	K0608592-019 | PB016-1SC071-N @10X
	27	SMPL	21	1030F025	PCB1	K0608592-020 | PB016-1SC101-N @10X
	28	IB	1	1030F026	BAKE	BAKE
	29	IB	2	1030F027	PCB1	KWG0618420-5 | IB | 8082 PCB
OK,OK	30	CCV	97	1030F028	PCB1	1660 @ 1000ppb | PCB4-80E | KWG061842
	31	MB	22	1030F029	PCB1	KWG0617499-4 | MB | 8082 PCB | SEDIME
	32	LCS	23	1030F030	PCB1	KWG0617499-3 | LCS | 8082 PCB | SEDIM
	33	SMPL	24	1030F031	PCB1	K0608882-017 | SCSD26
	34	MS	25	1030F032	PCB1	KWG0617499-1 | K0608882-017MS | 8082
	35	DMS	26	1030F033	PCB1	KWG0617499-2 | K0608882-017DMS | 8082
	36	SMPL	27	1030F034	PCB1	K0608882-018 | SCSD28
	37	SMPL	28	1030F035	PCB1	K0608882-031 | SCSD27 10/4
	38	IB	1	1030F036	BAKE	BAKE
	39	IB	2	1030F037	PCB1	KWG0618420-7 | IB | 8082 PCB
OK,OK	40	CCV	97	1030F038	PCB1	1660 @ 1000ppb | PCB4-80E | KWG061842

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F027.D
Lab ID: KWG0618420-5
RunType: IB
Matrix: LIQUID

Date Acquired: 10/31/2006 05:13
Date Quantitated: 10/31/2006 14:46
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: Vm 10 31 06

Secondary Review: DB 11-1-06

Printed: 10/31/2006 15:30:02
u:\Stealth\Crystal.rpt\except2.rpt

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R027.D
Lab ID: KWG0618420-5
RunType: IB
Matrix: LIQUID

Date Acquired: 10/31/2006 05:13
Date Quantitated: 10/31/2006 14:51
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: MH 3106

Secondary Review: 11-1-06

Printed: 10/31/2006 15:30:05
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/30/2006

Analysis Lot:	KWG0618420	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F027.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R027.D			**Vial:**	2
Acqu Date:	10/31/2006 05:13	**Quant Date:**	10/31/2006 14:46	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0618420-5				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	0.00		0d	0d		0.0000			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0d	0d	0.0000	0.0000			
Aroclor 1016 {2}			0d	0d	0.0000	0.0000			
Aroclor 1016 {3}			0d	0d	0.0000	0.0000			
Aroclor 1016 {4}			0d	0d	0.0000	0.0000			
Aroclor 1016 {5}			0d	0d	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0d	0d	0.0000	0.0000			
Aroclor 1221 {2}			0d	0d	0.0000	0.0000			
Aroclor 1221 {3}			0d	0d	0.0000	0.0000			
Aroclor 1221 {4}			0d	0d	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0d	0d	0.0000	0.0000			
Aroclor 1232 {2}			0d	0d	0.0000	0.0000			
Aroclor 1232 {3}			0d	0d	0.0000	0.0000			
Aroclor 1232 {4}			0d	0d	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0d	0d	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F027.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R027.D			**Vial:**	2
Acqu Date:	10/31/2006 05:13	**Quant Date:**	10/31/2006 14:46	**Dilution:**	1.0
Run Type:	IB			Soln Conc. Units:	ng/mL
Lab ID:	KWG0618420-5				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:**

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0d	0d	0.0000	0.0000			
Aroclor 1242 {3}			0d	0d	0.0000	0.0000			
Aroclor 1242 {4}			0d	0d	0.0000	0.0000			
Aroclor 1242 {5}			0d	0d	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0d	0d	0.0000	0.0000			
Aroclor 1248 {2}			0d	0d	0.0000	0.0000			
Aroclor 1248 {3}			0d	0d	0.0000	0.0000			
Aroclor 1248 {4}			0d	0d	0.0000	0.0000			
Aroclor 1248 {5}			0d	0d	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0d	0d	0.0000	0.0000			
Aroclor 1254 {2}			0d	0d	0.0000	0.0000			
Aroclor 1254 {3}			0d	0d	0.0000	0.0000			
Aroclor 1254 {4}			0d	0d	0.0000	0.0000			
Aroclor 1254 {5}			0d	0d	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0	0	0.0000	0.0000			
Aroclor 1260 {2}			0	0	0.0000	0.0000			
Aroclor 1260 {3}			0	0	0.0000	0.0000			
Aroclor 1260 {4}			0	0	0.0000	0.0000			
Aroclor 1260 {5}			0	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0	0	0.0000	0.0000			
Aroclor 1262 {2}			0	0	0.0000	0.0000			
Aroclor 1262 {3}			0	0	0.0000	0.0000			
Aroclor 1262 {4}			0	0	0.0000	0.0000			
Aroclor 1262 {5}			0	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F027.D
Report Date: 31-Oct-2006 14:46

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F027.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R027.D
Inj Date : 31-OCT-2006 05:13
Sample Info: KWG0618420-5 | IB | 8082 PCB
Misc Info : SEMIVOA GC\W0618420\5-IB.H
Cal Date : 31-OCT-2006 10:06
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

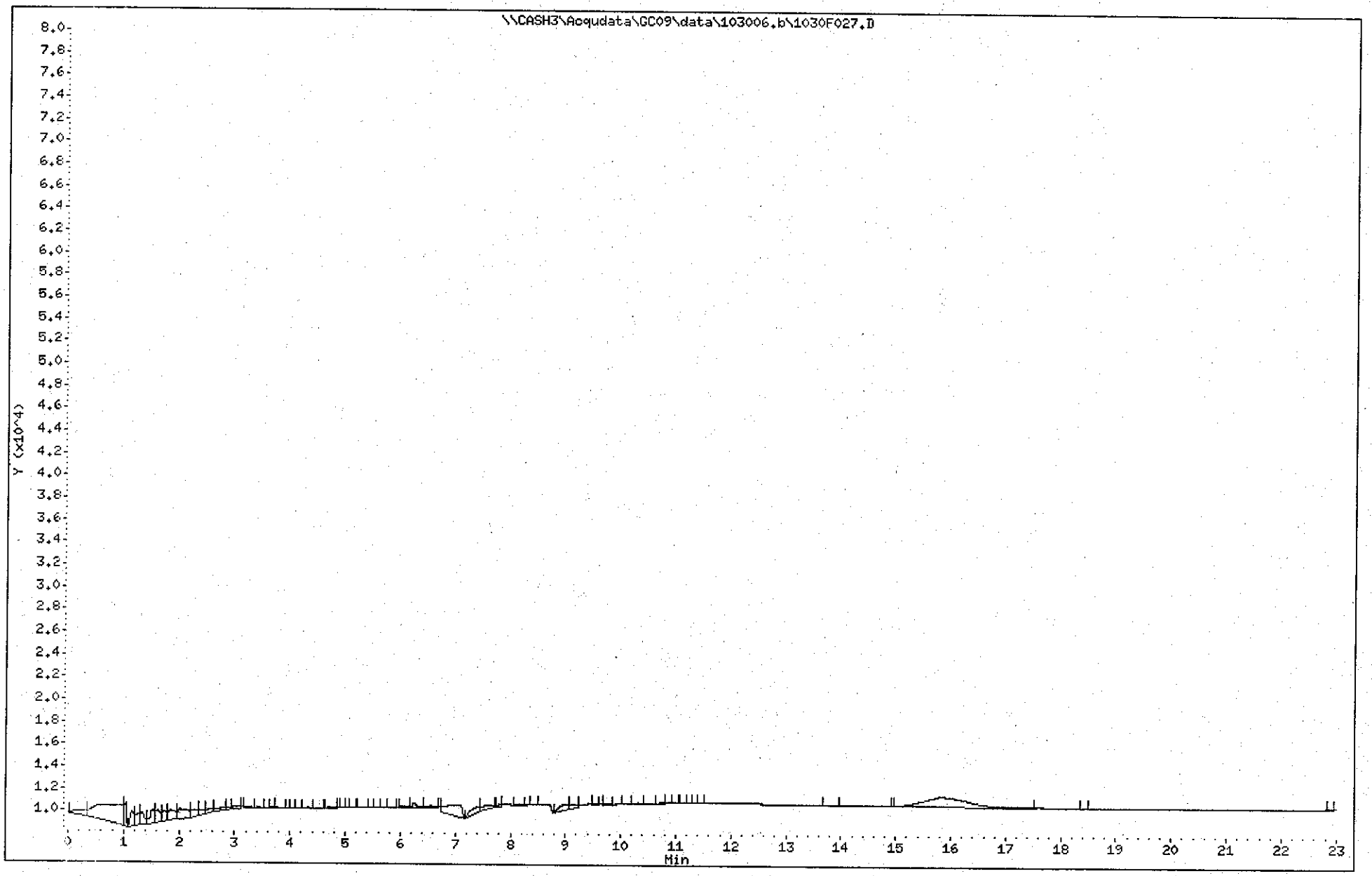
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F027.D
Date : 31-OCT-2006 05:13
Client ID:
Sample Info: KWG0618420-5 | IB | 8082 PCB

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



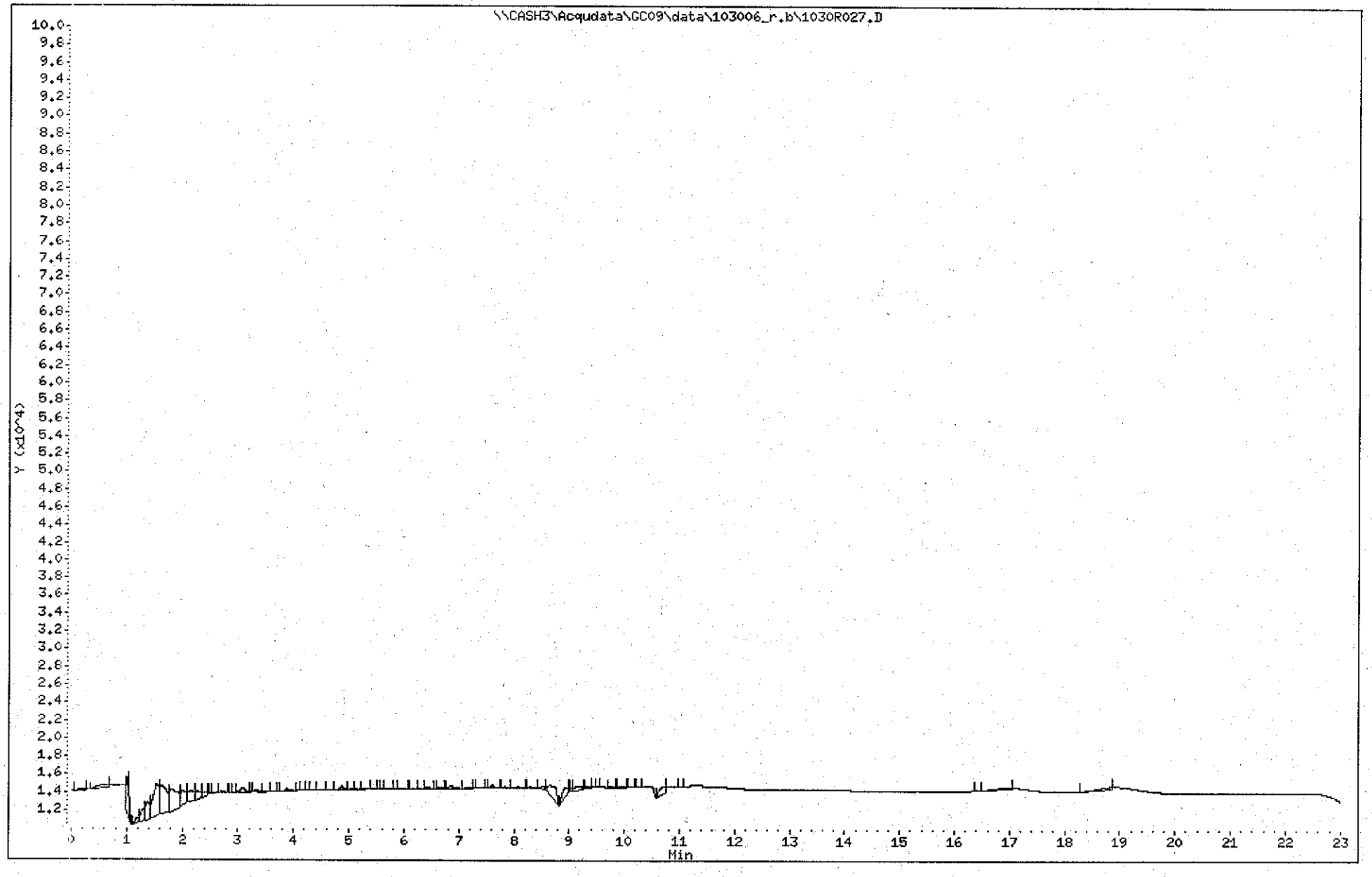
1008
B-1636

Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R027.D
Date : 31-OCT-2006 05:13
Client ID:
Sample Info: KWG0618420-5 | IB | 8082 PCB

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006.B\1030F037.D
Lab ID: KWG0618420-7
RunType: IB
Matrix: LIQUID

Date Acquired: 10/31/2006 09:59
Date Quantitated: 10/31/2006 14:48
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: [illegible]

Secondary Review: 11/1/06

Exception Report

Data File: \\CASH3\ACQUDATA\GC09\DATA\103006_R.B\1030R037.D
Lab ID: KWG0618420-7
RunType: IB
Matrix: LIQUID

Date Acquired: 10/31/2006 09:59
Date Quantitated: 10/31/2006 14:52
Batch ID: KWG0618420
Analysis Method: 8082
MethodJoinID: MJ150

Sample Exceptions

Exception Categories	Result	Low Limit	High Limit	Pass	Fail
ICAL Analyte Recovery	NA	NA	NA	x	
Second Source ICAL Verification	NA	NA	NA	x	
Analyte Co-elution	NA	NA	NA	x	
Below Lowest ICAL Level	NA	NA	NA	x	
Above Highest ICAL Level	NA	NA	NA	x	
Enviroquant/Stealth Calibration Check	NA	NA	NA	x	

Primary Review: 1/4 103/06

Secondary Review: 1/7 11-1-06

Printed: 10/31/2006 15:31:13
u:\Stealth\Crystal.rpt\except2.rpt

Quantitation Report

Bottle ID:		**Tier:**		**Matrix:**	LIQUID
Prod Code:	8082 PCB	**Collect Date:**		**Receive Date:**	10/30/2006

Analysis Lot:	KWG0618420	**Prep Lot:**		**Report Group:**	
Analysis Method:	8082	**Prep Method:**			
Prep Ref:		**Prep Date:**			

Quant Method:	\\CASH3\ACQUDATA\GC09\DATA\103006.B\102706_F.M	**Calibration ID:**	CAL5744
Title:			
MB Ref:		**Method ID:**	MJ150
		Quant based on Method	

Data File #1:	J:\GC09\DATA\103006.B\1030F037.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R037.D			**Vial:**	2
Acqu Date:	10/31/2006 09:59	**Quant Date:**	10/31/2006 14:48	**Dilution:**	1.0
Run Type:	IB			**Soln Conc. Units:**	ng/mL
Lab ID:	KWG0618420-7				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Surrogate Compounds

Parameter Name	RT #1	RT #2	Resp #1	Respe #2	ng/mL #1	ng/mL #2			Rpt
Tetrachloro-m-xylene	0.00	4.87	0	1179		0.1860			NA
			%Recovery =		NA	NA	Limits =	21-142	
Decachlorobiphenyl	0.00		0	0		0.0000			NA
			%Recovery =		NA	NA	Limits =	33-153	

Target Compounds

Final Conc. Units:

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1016			0	0	0.0000	0.0000			
Aroclor 1016 {1}			0d	0	0.0000	0.0000			
Aroclor 1016 {2}			0d	0	0.0000	0.0000			
Aroclor 1016 {3}			0d	0	0.0000	0.0000			
Aroclor 1016 {4}			0d	0	0.0000	0.0000			
Aroclor 1016 {5}			0d	0	0.0000	0.0000			
Aroclor 1221			0	0	0.0000	0.0000			
Aroclor 1221 {1}			0d	0d	0.0000	0.0000			
Aroclor 1221 {2}			0d	0d	0.0000	0.0000			
Aroclor 1221 {3}			0d	0d	0.0000	0.0000			
Aroclor 1221 {4}			0d	0d	0.0000	0.0000			
Aroclor 1232			0	0	0.0000	0.0000			
Aroclor 1232 {1}			0d	0d	0.0000	0.0000			
Aroclor 1232 {2}			0d	0d	0.0000	0.0000			
Aroclor 1232 {3}			0d	0d	0.0000	0.0000			
Aroclor 1232 {4}			0d	0d	0.0000	0.0000			
Aroclor 1242			0	0	0.0000	0.0000			
Aroclor 1242 {1}			0d	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File #1:	J:\GC09\DATA\103006.B\1030F037.D			**Instrument:**	GC09.i
Data File #2:	\\CASH3\Acqudata\GC09\data\103006_r.b\1030R037.D			**Vial:**	2
Acqu Date:	10/31/2006 09:59	**Quant Date:**	10/31/2006 14:48	**Dilution:**	1.0
Run Type:	IB			Soln Conc. Units:	ng/mL
Lab ID:	KWG0618420-7				
Signal #1:	DB-35MS	**Signal #2:**	DB-XLB		

Target Compounds **Final Conc. Units:**

Parameter Name	RT #1	RT #2	Resp #1	Resp #2	ng/mL #1	ng/mL #2	ug/Kg #1	ug/Kg #2	Rpt
Aroclor 1242 {2}			0d	0	0.0000	0.0000			
Aroclor 1242 {3}			0d	0	0.0000	0.0000			
Aroclor 1242 {4}			0d	0	0.0000	0.0000			
Aroclor 1242 {5}			0d	0	0.0000	0.0000			
Aroclor 1248			0	0	0.0000	0.0000			
Aroclor 1248 {1}			0d	0	0.0000	0.0000			
Aroclor 1248 {2}			0d	0	0.0000	0.0000			
Aroclor 1248 {3}			0d	0	0.0000	0.0000			
Aroclor 1248 {4}			0d	0	0.0000	0.0000			
Aroclor 1248 {5}			0d	0	0.0000	0.0000			
Aroclor 1254			0	0	0.0000	0.0000			
Aroclor 1254 {1}			0d	0	0.0000	0.0000			
Aroclor 1254 {2}			0d	0	0.0000	0.0000			
Aroclor 1254 {3}			0d	0	0.0000	0.0000			
Aroclor 1254 {4}			0d	0	0.0000	0.0000			
Aroclor 1254 {5}			0d	0	0.0000	0.0000			
Aroclor 1260			0	0	0.0000	0.0000			
Aroclor 1260 {1}			0d	0	0.0000	0.0000			
Aroclor 1260 {2}			0d	0	0.0000	0.0000			
Aroclor 1260 {3}			0d	0	0.0000	0.0000			
Aroclor 1260 {4}			0d	0	0.0000	0.0000			
Aroclor 1260 {5}			0d	0	0.0000	0.0000			
Aroclor 1262			0	0	0.0000	0.0000			
Aroclor 1262 {1}			0d	0	0.0000	0.0000			
Aroclor 1262 {2}			0d	0	0.0000	0.0000			
Aroclor 1262 {3}			0d	0	0.0000	0.0000			
Aroclor 1262 {4}			0d	0	0.0000	0.0000			
Aroclor 1262 {5}			0d	0	0.0000	0.0000			
Aroclor 1268			0	0	0.0000	0.0000			
Aroclor 1268 {1}			0	0	0.0000	0.0000			
Aroclor 1268 {2}			0	0	0.0000	0.0000			
Aroclor 1268 {3}			0	0	0.0000	0.0000			
Aroclor 1268 {4}			0	0	0.0000	0.0000			
Aroclor 1268 {5}			0	0	0.0000	0.0000			

U: Undetected at or above MDL
J: Analyte detected above MDL, but below MRL
B: Hit above MRL also found in Method Blank
E: Analyte concentration above high point of ICAL
N: Presumptive evidence of compound

D: Result from dilution
m: Manual integration performed
d: Compound manually deleted
NR: Analyte not reported from this analysis

*: Result fails acceptance criteria
#: Acceptance criteria not applicable
?: Insufficient information to determine acceptance
e: Result >= MRL, but MRL less than low point of ICAL
c: check for co-elution

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F037.D
Report Date: 31-Oct-2006 14:48

Columbia Analytical Services

Sample #1 : \\CASH3\Acqudata\GC09\data\103006.b\1030F037.D
Sample #2 : \\CASH3\Acqudata\GC09\data\103006_r.b\1030R037.D
Inj Date : 31-OCT-2006 09:59
Sample Info: KWG0618420-7 | IB | 8082 PCB
Misc Info : SEMIVOA GC\W0618420\7-IB.H
Cal Date : 31-OCT-2006 10:07
Operator : LHarris
Inst ID : GC09.i
Dil Factor : 1.000000

Method #1 : \\Cash3\Acqudata\GC09\data\103006.b\102706_f.m
Method #2 : \\Cash3\Acqudata\GC09\data\103006_r.b\102706_r.m
Sub List #1 : ALL.SUB
Sub List #2 : ALL.SUB
Col #1 Phase : DB-35MS
Col #2 Phase : DB-XLB

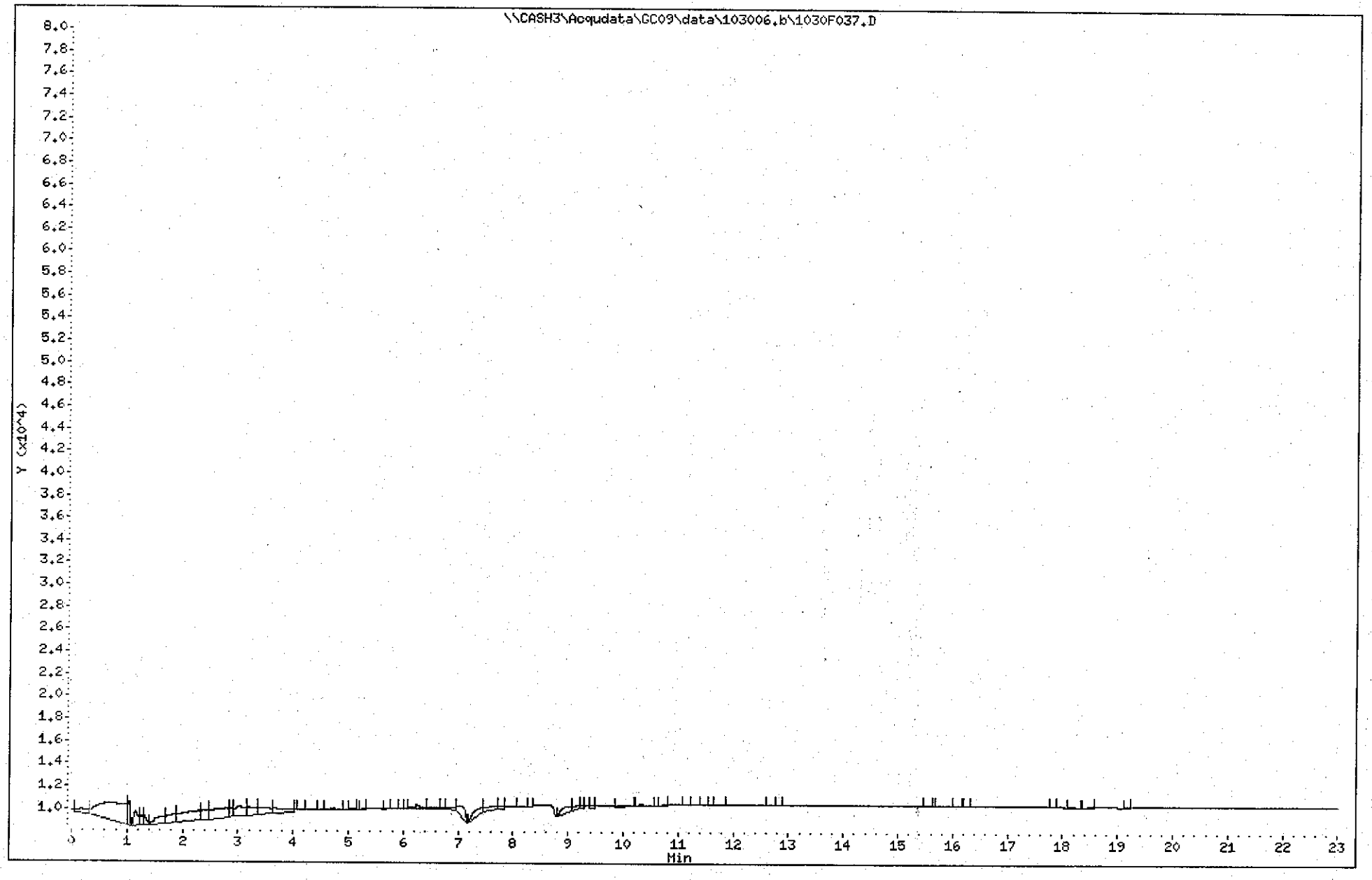
Compound	RT#1	RT#2	Resp#1	Resp#2	Conc#1	Conc#2	Target Range	Ratio
Tetrachloro-m-xylene	0.000	4.867	0	1179	0.000	0.186		

Data File: \\CASH3\Acqudata\GC09\data\103006.b\1030F037.D
Date : 31-OCT-2006 09:59
Client ID:
Sample Info: KWG0618420-7 | IB | 8082 PCB

Column phase: DB-35MS

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53

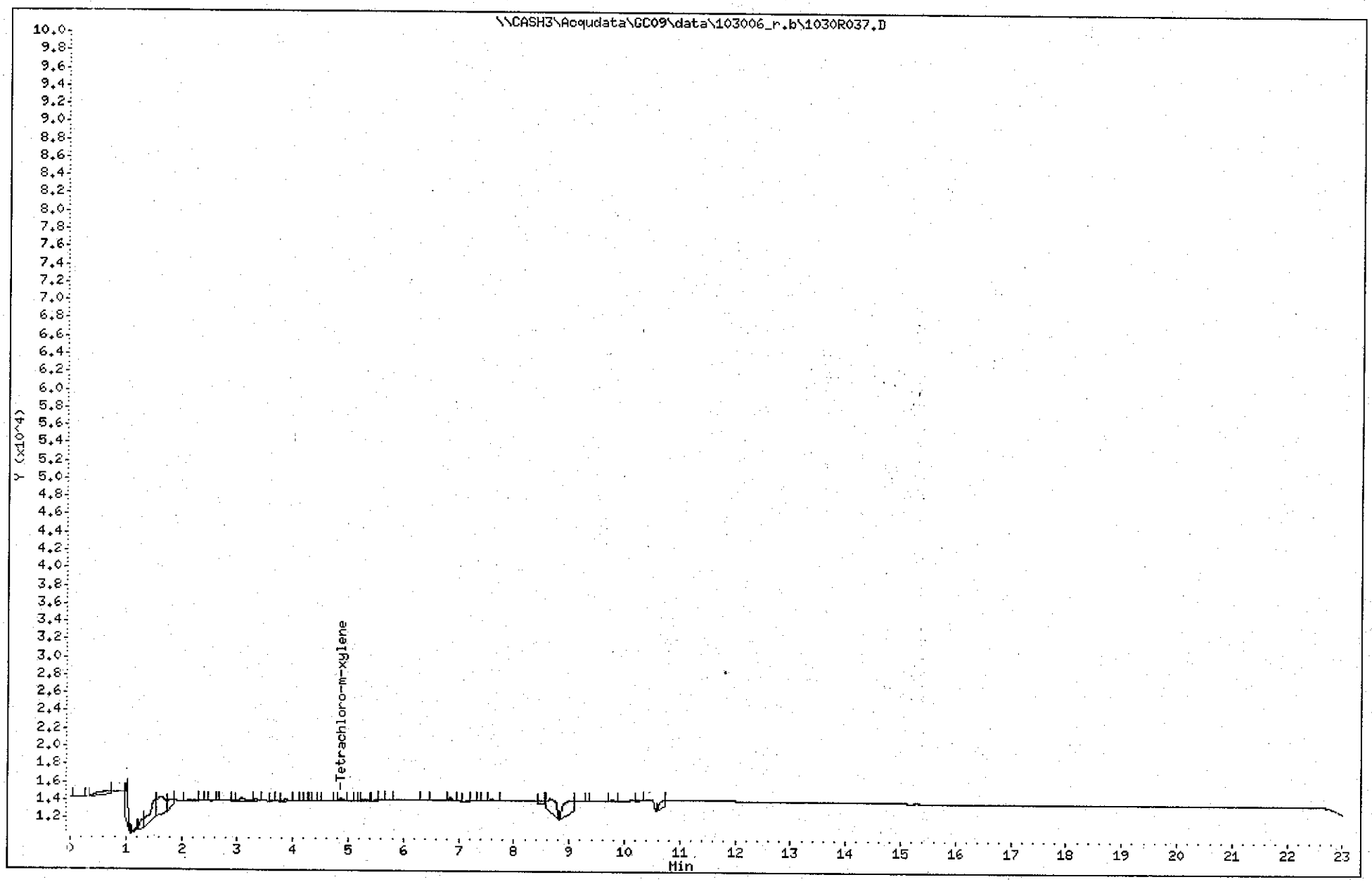


Data File: \\CASH3\Acqudata\GC09\data\103006_r.b\1030R037.D
Date : 31-OCT-2006 09:59
Client ID:
Sample Info: KWG0618420-7 | IB | 8082 PCB

Column phase: DB-XLB

Instrument: GC09.i

Operator: LHarris
Column diameter: 0.53



Preparation Information

Group ID:	KWG0617499	**Prep Method:**	EPA 3540C	**Prep Date:**	10/17/06 00:00
Department:	Semivoa GC				

Lab Code	Client ID	Product	Matrix	Amt. Ext.	Final Vol.	Solids
K0608882-017	SCSD26	8082 PCB	SEDIMENT	14.31g	10ml	
K0608882-018	SCSD28	8082 PCB	SEDIMENT	13.03g	10ml	
K0608882-031	SCSD27 10/4	8082 PCB	SEDIMENT	13.43g	10ml	
KWG0617499-1	Matrix Spike	8082 PCB	SEDIMENT	14.33g	10ml	
KWG0617499-2	Duplicate Matrix Spike	8082 PCB	SEDIMENT	14.31g	10ml	
KWG0617499-3	Lab Control Sample	8082 PCB	SEDIMENT	10.00g	10ml	
KWG0617499-4	Method Blank	8082 PCB	SEDIMENT	14.33g	10ml	

Lab Code	Parent Lab Code	Comments
KWG0617499-1	K0608882-017	
KWG0617499-2	K0608882-017	

Lab Code	Prep Event ID	Surrogate Solution ID	Amount Added	Spike Solution ID	Amount Added	Witness
K0608882-017	537649	GCPS5-81C	500uL			MBlack
K0608882-018	537650	GCPS5-81C	500uL			MBlack
K0608882-031	537651	GCPS5-81C	500uL			MBlack
KWG0617499-1	537652	GCPS5-81C	500uL	PCB4-77Q	250ul	MBlack
KWG0617499-2	537653	GCPS5-81C	500uL	PCB4-77Q	250ul	MBlack
KWG0617499-3	537654	GCPS5-81C	500uL	PCB4-77Q	250ul	MBlack
KWG0617499-4	537655	GCPS5-81C	500uL			MBlack

Comments:

Started By: ABradbur Assisted By: Training Yes No

Completed By: KMiller Assisted By: Yes No

Reviewed By: UB Date: 10/24/06 Storage:

Chain of Custody

Relinquished By: Date: 10-24-6 Extracts Examined

Received By: Date: 10/20/06 Yes No

Preparation Information

Group ID: KWG0617499 **Prep Method:** EPA 3540C **Prep Date:** 10/17/06 00:00
Department: Semivoa GC

#	Lab Code	Client ID	B#	√	Product	Matrix	Amt. Ext.	pH	Int. Vol.	Final Vol.	Surr. Added	Spike Added
1	K0608882-017	SCSD26		✓	8082 PCB	SEDIMENT	14.31	NA	NA	10 ml	500 uL	—
2	K0608882-018	SCSD28		✓	8082 PCB	SEDIMENT	13.03					—
3	K0608882-031	SCSD27 10/4		✓	8082 PCB	SEDIMENT	13.43					—
4	KWG0617499-1	Matrix Spike 17 MS			8082 PCB	SEDIMENT	14.33					250 uL
5	KWG0617499-2	Duplicate Matrix Spike 17 DMS			8082 PCB	SEDIMENT	14.31					
6	KWG0617499-3	Lab Control Sample			8082 PCB	SEDIMENT	10.00					
7	KWG0617499-4	Method Blank			8082 PCB	SEDIMENT	14.33					—

Comments: Prep Run # 39163

Surrogate ID: GCPS5-81-C, 2PPM, 500 uL, Exp. 4-16-07, Epp. B
Spike ID: PCB4-77-Q, 40 PPM, 250 uL, Exp. 2-24-07, Epp. 2
Witness: Matt RBeo 10/17/06

Started By: ABradbur Assisted By:
Completed By: Assisted By:

Additional Prep Information For PCB In Soils

Service Request # K0608882 **Work Group # PCB:** KW6617499

Solvents/Reagents used:

DCM Lot # 46210 **Hexane Lot #** 46139 **Sulfate Lot #** 46121626/46020631

Acetone Lot # 46146

Soxhlet Start (Time/Date/Initial): 17:30 / 10-17-06 / AB

Soxhlet Stop (Time/Date/Initial): 9:35 / 10-18-06 / Kn

Solvent Exchanged To Hexane (Date/Initial) ☑ Yes: 10-21-06 MT **S-Evap Temp:** 85°C

Cleanups:

Sulfuric Acid Clean-up (3665): 10-24-06 Kn

Sulfur Clean-up (3660): –

Clean-up #3: – ☐ all samples ☐ some samples:

PCB Vial: Green **Vial Storage:** Tyrone Cl-7

Archived Extract Storage: Amanda

Comments/Observations:

Bench Sheet Review Check List
☑ Hold Times Met (if no, Reason:)
☑ Prep date, dept, method, product code correct in stealth
☑ Spike Information correct
☑ Weights/Volumes and units correct on raw and final bench sheets
☑ Sample IDs have been checked—Bottle numbers appended if required
☑ Names present for: Started by, Completed by, relinquished by, and witnessed by.
☑ Training has been circled
☑ Extract Storage recorded
☑ Additional Prep Sheet completely filled out (NA or line out Blanks)
☑ All clean-ups have been noted on additional prep sheet
☑ Signed service request with Form V, if applicable, has been attached

R:\SVG\Additional Prep Info Sheets\Additional Prep InformationPCBsoil.doc