

Prepared for:



US Army Corps of Engineers
1325 "J" Street
Sacramento, CA 95814

LIBRARY

**Remedial Investigation Report
Titan I-A Missile Facility
Lincoln, California**

October 2001

Volume 2 of 8

Prepared by:



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Sacramento, CA 95833

Laboratory Data Deliverable

TPH (extractable)
SUPPORTING DOCUMENTATION

TPH (extractable) ANALYSES

Extraction log sheet	pg	2
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**QUALITY ANALYTICAL LABORATORY
GC SEMI-VOLATILES EXTRACTION LOGBOOK**

63

00000

Analyst: CWC

Date: 11/1/00

Batch ID: T000315TPH

Extraction Method: 3050

Spike Witness: BEB

Sample ID Client	Analysis (Det)	Amount Extracted	pH ₁	pH ₂	Substrate Added	Spike Added	KD Type KD Temp	KD Date Initial	VF Archive	VF Date/Init.	Clean-up (Type)	COMMENTS/ OBSERVATIONS
Blank LAB T000315	8015	0.0 mL	n/a	n/a	200 0.125g	X	BATH 90°C	11/2/00 CWC	2 mL 1174	11/2/00 CWC	X	NO HEAT EXCHANGE
LCS LCS T000315		0.0 mL				200 Diesel o/rk			2 mL 1175		Silica 3"	
LCS LCS T000315		0.0 mL							2 mL 1176			
MS MS A100547-16		0.0 mL							2 mL 1177			
MS MS A100547-16		0.0 mL							2 mL 1178			
1. A100547-12 URSG		0.0 mL							2 mL 1179			ABOUT 1/3 SAMPLE LOST DUE TO PROBLEM WITH FLASK. RE-EXTRACTING. OUT OF THE
2. A100547-13 URSG		0.0 mL							2 mL 1180			
1. A100547-14 URSG		0.0 mL							2 mL 1191			
1. A100547-15 URSG		0.0 mL							2 mL 1192			
1. A100547-16 URSG		0.0 mL							2 mL 1193			
A100741-3 CALTEST		0.0 mL							2 mL 1194		X	NO HEAT EXCHANGE

Test ID # for Reagents, Standards and Solvents
 Glass Bottle # 3238
 Substrate n/a
 Cleanup Columns n/a
 Substrate n/a

Methylene Chloride BY216
 Hexane n/a
 Ethyl Ether n/a
 Acetone BY216
 Other Silica gel - SR113098

Solvent Exchange
 (Hexane) / MIBK BY273
 Substrate ID / Conc. / Exp. Date
G 101400-3 1000 ug/L

Spike ID / Conc. / Exp. Date
G 101400-2
1000 ug/L
Exp. 11/1/01

glass wool
 w/c 49%
 11/2/00

viewed by / Date

AKH
11/2/00

CALTEST ANALYTICAL LABORATORY
GC SEMI-VOLATILES EXTRACTION LOGBOOK

Analyst: **CWC**

Date: **11/1/00**

Batch ID: **T000315TFF**

Extraction Method: **3550**

Spike With: **BEB**

Sample ID Client	Amount (g/ml)	Amount extracted	pH	pH _c	Surrogate Added	Spike Added	KD Type KD Temp	KD Date Initial	VF Aref/ve	VF Date/ml	Clean-up (Type)	COMMENTS/ OBSERVATIONS
7. A100791-1 DNVIS	8 g	10.0 (B) ml	N/A	N/A	2000- Toph	X	BATH 90°	11/2/00 CWC	2 ml I91	11/2/00 CWC	X	NO EXCHANGE
8. MB²-T000315	↓	30.0 (B) ml	↓	↓	↓	X	↓	↓	2 ml I91	↓	Silica gel	
9. -----		g ml							ml			
10. -----		g ml							ml			
11. -----		g ml							ml			
12. -----		g ml							ml			
13. -----		g ml							ml			
14. -----		g ml							ml			
15. -----		g ml							ml			
16. -----		g ml							ml			
17. -----		g ml							ml			
18. -----		g ml							ml			
19. -----		g ml							ml			
20. -----		g ml							ml			

CAI TEST ANALYTICAL LABORATORY
GC SEMI-VOLATILES EXTRACTION LOGBOOK

0060

Analyst: CWC

Date: 11/2/00

Batch ID: T000318TPH

Extraction Method: 3550

Spike Witness: BEB

000004

Sample ID Client	Analysis (Det)	Amount extracted	pH _i	pH _f	Surrogate Added	Spike Added	KD Type KD Temp	KD Date Initial	VF Archive	VI Date/Init.	Clean-up (Type)	COMMENTS/ OBSERVATIONS
Blank MB - T000318	8015	30.0 (g) mL	N/A	N/A	200µl O-Tolph	X	BATH 90°C	11/2/00 CWC	2 mL I97	11/2/00 CWC	Silica gel	acetone BY974
LCS. LCS - T000318		30.0 (g) mL				200µl Diesel spk			2 mL I98			
LCSD. LCSD - T000318		30.0 (g) mL							2 mL I99			
MS.		g mL							mL			NO MS MSD
MSD.		g mL							mL			FOR RE-EXTRACT
1. A100547-12 VRSG	8015	30.0 (g) mL	N/A	N/A	200µl O-Tolph	X	BATH 90°C	11/2/00 CWC	2 mL I100	11/2/00 CWC	Silica gel	RE-EXTRACTION
2. -----		g mL							mL			
3. -----		g mL							mL			
4. -----		g mL							mL			
5. -----		g mL							mL			
6. -----		g mL							mL			

Collect ID # for Reagents, Standards and Solvents:

Sodium Sulfate 3238
 Sulfuric Acid N/A
 Clean up Columns ✓
 Sodium Chloride ✓

Methylene Chloride BX026
 Hexane N/A
 Ethyl Ether ✓
 Acetone BX714
 Other silica gel - SR113098-1
glass vial - 1195

Solvent Exchange
 Hexane/MIBE BX273
 Surrogate ID / Conc. / Exp. Date
101400-3 1000 µg/l
Exp. 8/7/01

Spike ID / Conc. / Exp. Date
E 082900-2
10000 µg/ml
Exp. 7/13/01

Reviewed by / D:

AM
11/2/00

Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
gc3f0001.d	29-AUG-2000 09:35	MeCL2	0829d	NONE	all	
gc3f0002.d	29-AUG-2000 10:19	MeCL2	0829d	NONE	all	
gc3f0003.d	29-AUG-2000 11:08	MeCL2	0829d	NONE	all	
gc3f0004.d	29-AUG-2000 12:16	MeCL2	0829d	NONE	all	
gc3f0005.d	29-AUG-2000 12:55	MeCL2	0829d	NONE	all	
gc3f0006.d	29-AUG-2000 13:41	MeCL2	0829d	NONE	all	
gc3f0007.d	29-AUG-2000 14:28	MeCL2	0829d	NONE	all	
gc3f0008.d	29-AUG-2000 15:14	MeCL2	0829d	NONE	all	
gc3f0009.d	29-AUG-2000 16:00	MeCL2	0829d	NONE	all	
gc3f0010.d	29-AUG-2000 16:46	MeCL2	0829d	NONE	all	
gc3f0011.d	29-AUG-2000 17:33	ALKANE MIX	G-050500-5	NONE	all	
gc3f0012.d	29-AUG-2000 18:19	DIESEL 5000/500	G-082800-2	NONE	all	ICal Passes
gc3f0013.d	29-AUG-2000 19:06	DIESEL 2000/200	G-082800-23	NONE	all	
gc3f0014.d	29-AUG-2000 19:52	DIESEL 1000/100	G-082800-4	NONE	all	
gc3f0015.d	29-AUG-2000 20:38	DIESEL 500/50	G-082800-5	NONE	all	
gc3f0016.d	29-AUG-2000 21:25	DIESEL 200/20	G-082800-6	NONE	all	
gc3f0017.d	29-AUG-2000 22:12	DIESEL 100/10	G-082800-7	NONE	all	
gc3f0018.d	29-AUG-2000 22:59	DIESEL 50/5	G-082800-8	NONE	all	
gc3f0019.d	29-AUG-2000 23:46	DIESEL 2* 1000	G-050500-3	NONE	all	Pass
gc3f0020.d	30-AUG-2000 00:34	MOTOR OIL 5000	G-041800-7	NONE	all	ICal Passes
gc3f0021.d	30-AUG-2000 01:21	MOTOR OIL 4000	G-041800-8	NONE	all	
gc3f0022.d	30-AUG-2000 02:08	MOTOR OIL 3000	G-041800-9	NONE	all	
gc3f0023.d	30-AUG-2000 02:55	MOTOR OIL 2000	G-050500-7	NONE	all	
gc3f0024.d	30-AUG-2000 03:42	MOTOR OIL 1000	G-041800-11	NONE	all	

COLUMNS: DB-5MS METHODS: Diesel - F ISTD: N/A
 OPERATOR: NTA

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 29-AUG-2000 18:19
 End Cal Date : 30-AUG-2000 05:16
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : HP Genie
 Method file : /var/chem/GC3.i/0829d.b/diesel_f.m
 Cal Date : 15-Nov-2000 17:06 rlh

Calibration File Names:

- Level 1: /var/chem/GC3.i/0829d.b/gc3f0018.d
- Level 2: /var/chem/GC3.i/0829d.b/gc3f0017.d
- Level 3: /var/chem/GC3.i/0829d.b/gc3f0016.d
- Level 4: /var/chem/GC3.i/0829d.b/gc3f0015.d
- Level 5: /var/chem/GC3.i/0829d.b/gc3f0014.d
- Level 6: /var/chem/GC3.i/0829d.b/gc3f0013.d
- Level 7: /var/chem/GC3.i/0829d.b/gc3f0012.d
- Level 8: /var/chem/GC3.i/0829d.b/gc3f0026.d
- Level 9: /var/chem/GC3.i/0829d.b/gc3f0025.d
- Level 10: /var/chem/GC3.i/0829d.b/gc3f0024.d
- Level 11: /var/chem/GC3.i/0829d.b/gc3f0023.d
- Level 12: /var/chem/GC3.i/0829d.b/gc3f0022.d
- Level 13: /var/chem/GC3.i/0829d.b/gc3f0021.d
- Level 14: /var/chem/GC3.i/0829d.b/gc3f0020.d

Compound	50	100	200	500	1000	2000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5000	200	500	1000	2000	3000					
	Level 7	Level 8	Level 9	Level 10	Level 11	Level 12					
	4000	5000									
	Level 13	Level 14									
1 TPH-extractable, Diesel	354619 64966991 +++++	827227 +++++	2091458 +++++	5904033 +++++	12313945 +++++	25758234 +++++	QUAD	37.11894	0.00008	-9.202e-15	0.99996 ✓

000006

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 29-AUG-2000 18:19
 End Cal Date : 30-AUG-2000 05:16
 Quant Method : ESTD
 Target Version : 3.50
 Integrator : HP Genie
 Method file : /var/chem/GC3.i/0829d.b/diesel_f.m
 Cal Date : 15-Nov-2000 17:06 rth

400000

Compound	50	100	200	500	1000	2000	Curve	Coefficients			%RSD or R ²
	Level 1	Level 2	Level 3	Level 4	Level 5	Level 6		b	m1	m2	
	5000 Level 7	200 Level 8	500 Level 9	1000 Level 10	2000 Level 11	3000 Level 12					
	4000 Level 13	5000 Level 14									
2 TPH-extractable, Motor Oil	++++ ++++ 19825366	++++ 1524900 22755908	++++ 3398178	++++ 6070831	++++ 10837970	++++ 15311770	QUAD	-38.36465	0.00015	2.850e-12	0.99887
\$ 3 o-Terphenyl	81763 9512553 ++++	172595 ++++ ++++	354930 ++++	875324 ++++	1745854 ++++	3477329 ++++	QUAD	-0.97071	0.00006	-7.825e-13	0.99996

Caltest Analytical Laboratory

INITIAL CALIBRATION DATA

Start Cal Date : 29-AUG-2000 18:19
End Cal Date : 30-AUG-2000 05:16
Quant Method : ESTD
Target Version : 3.50
Integrator : HP Genie
Method file : /var/chem/GC3.i/0829d.b/diesel_f.m
Cal Date : 15-Nov-2000 17:06 rlh

Curve	Formula	Units
Quad	$Amt = b + m1 \cdot Rsp + m2 \cdot Rsp^2$	Response

000000

Data File: /var/chem/GC3.i/0829d.b/gc3f0012.d

Date : 29-AUG-2000 18:19

Client ID:

Sample Info: DIESEL 5000/500

Column phase: MXT-1

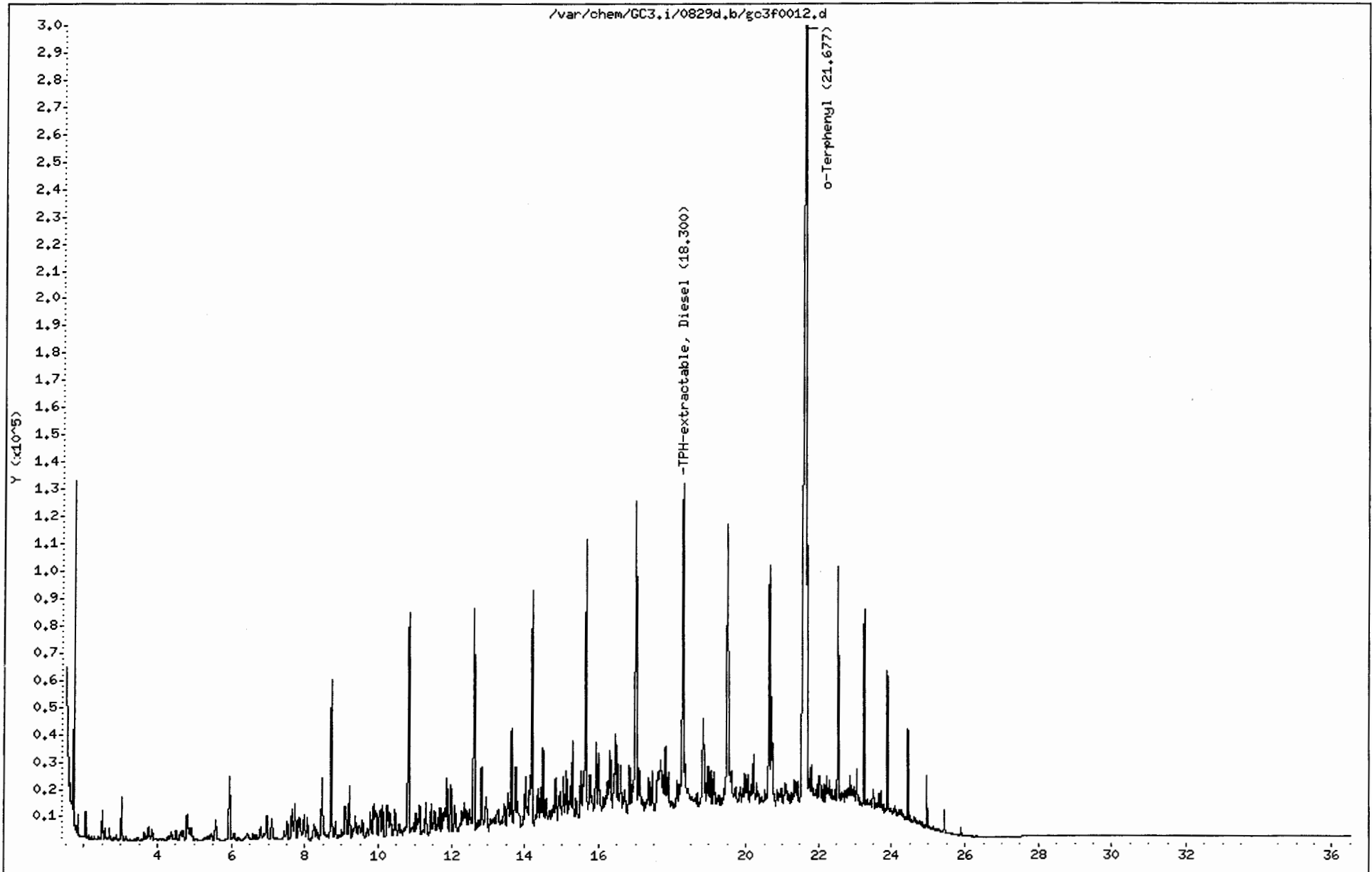
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

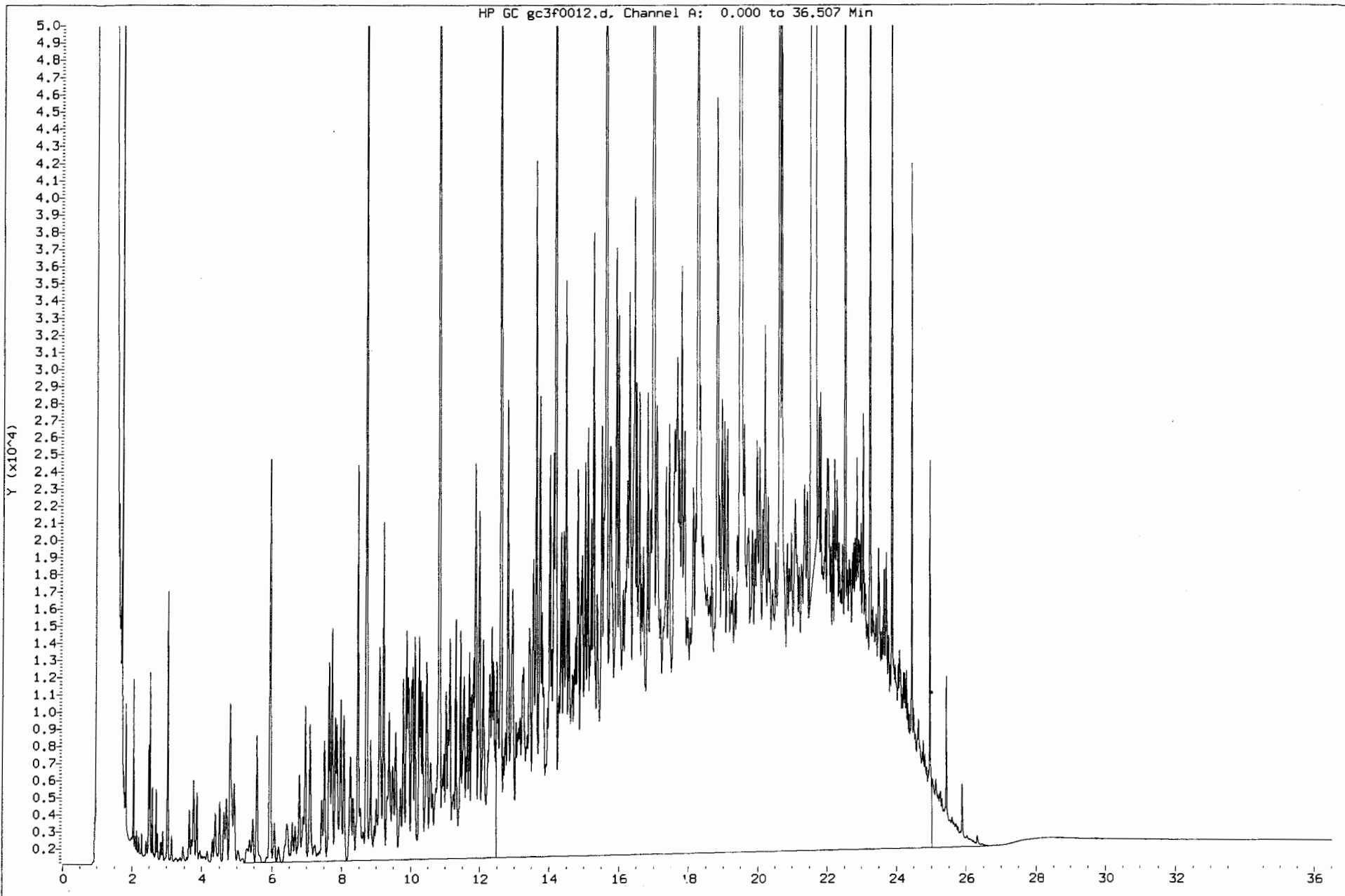
Page 2

000010



Data File: /var/chem/GC3.1/0829d.b/gc3f0012.d
Injection Date: 29-AUG-2000 18:19
Instrument: GC3.1
Client Sample ID:

000011



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/0829d.b/gc3f0013.d

Lab Smp Id: DIESEL 2000/200

Inj Date : 29-AUG-2000 19:06

Operator : NTA

Inst ID: GC3.i

Smp Info : DIESEL 2000/200

Misc Info : 1;3;;;;;G-082800-2;6

Comment :

Method : /var/chem/GC3.i/0829d.b/diesel_f.m

Meth Date : 15-Nov-2000 17:06 rlh

Quant Type: ESTD

Cal Date : 29-AUG-2000 19:06

Cal File: gc3f0013.d

Als bottle: 4

Calibration Sample, Level: 6

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

AMOUNTS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	16.997	19.500	-2.503	25758234	2000.00	2020(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
3 o-Terphenyl	21.620	21.550	0.070	3477329	200.000	194(M)

QC Flag Legend

M - Compound response manually integrated.

000012

Data File: /var/chem/GC3.i/0829d,b/gc3f0013.d

Date : 29-AUG-2000 19:06

Client ID:

Sample Info: DIESEL 2000/200

Column phase: MXT-1

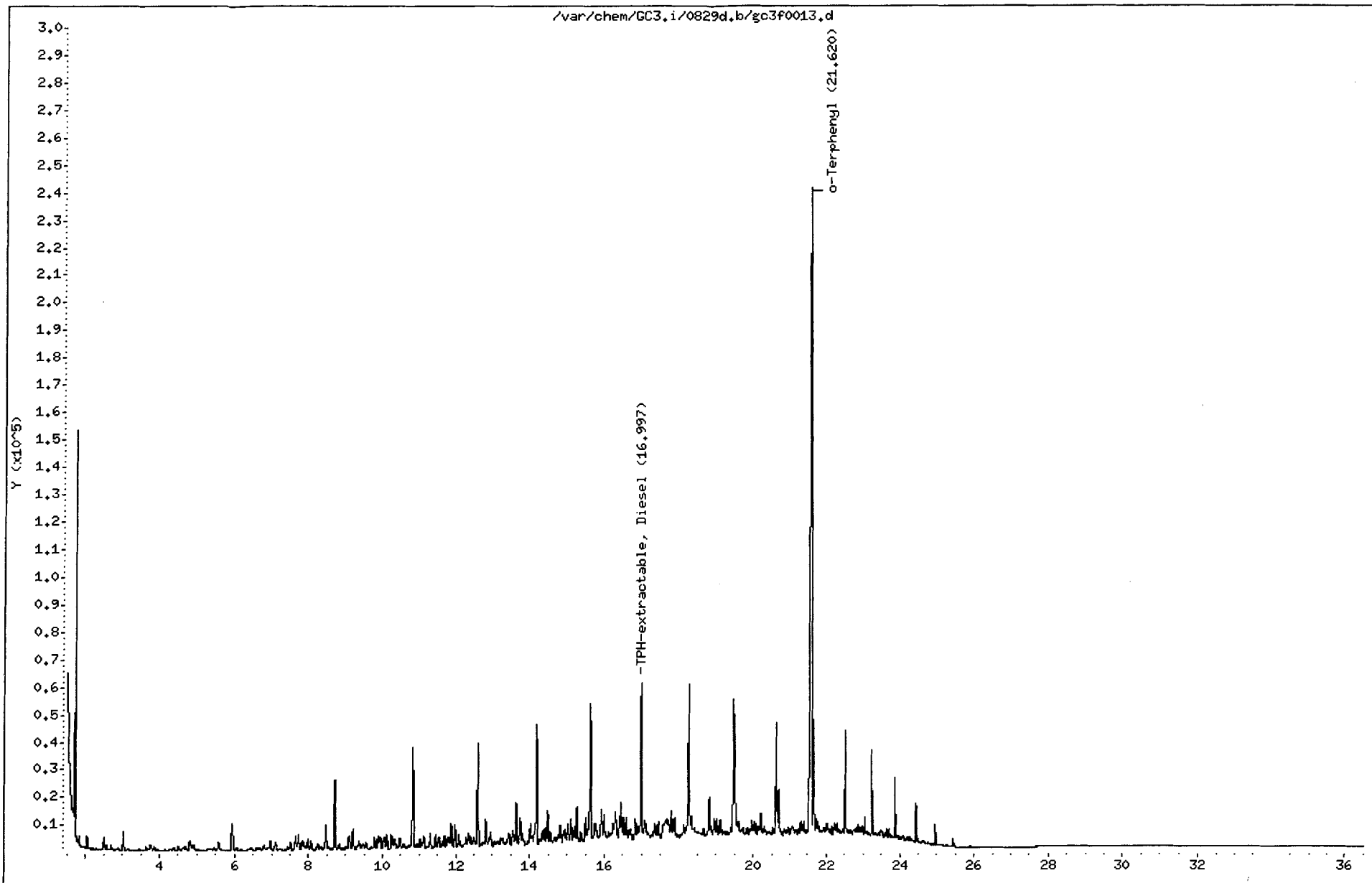
Instrument: GC3.i

Operator: NTA

Column diameter: 0,53

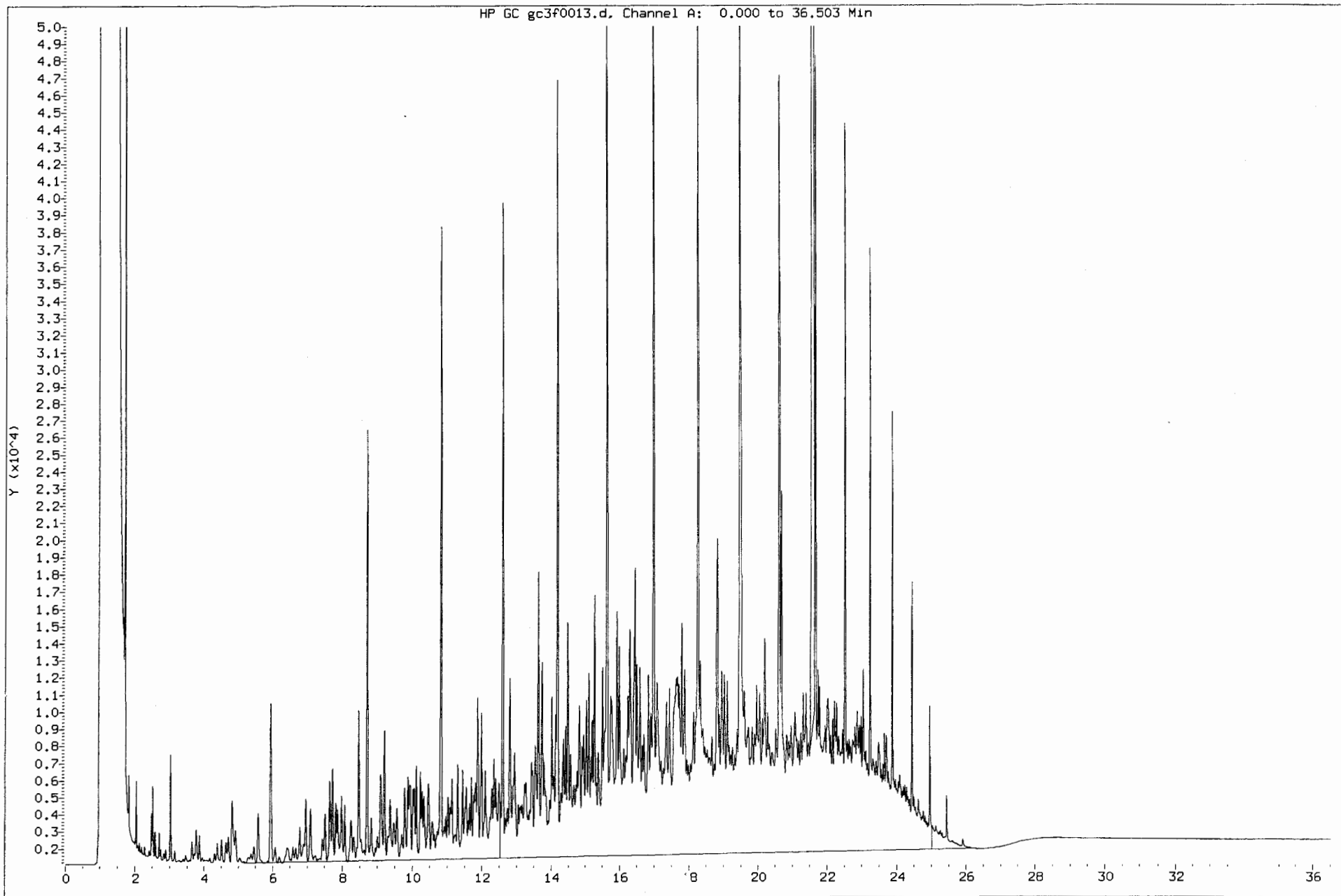
Page 2

000013



Data File: /var/chem/GC3.1/0829d.b/gc3f0013.d
Injection Date: 29-AUG-2000 19:06
Instrument: GC3.1
Client Sample ID:

000014



Data File: /var/chem/GC3,i/0829d,b/gc3f0014.d

Date : 29-AUG-2000 19:52

Client ID:

Sample Info: DIESEL 1000/100

Column phase: HXT-1

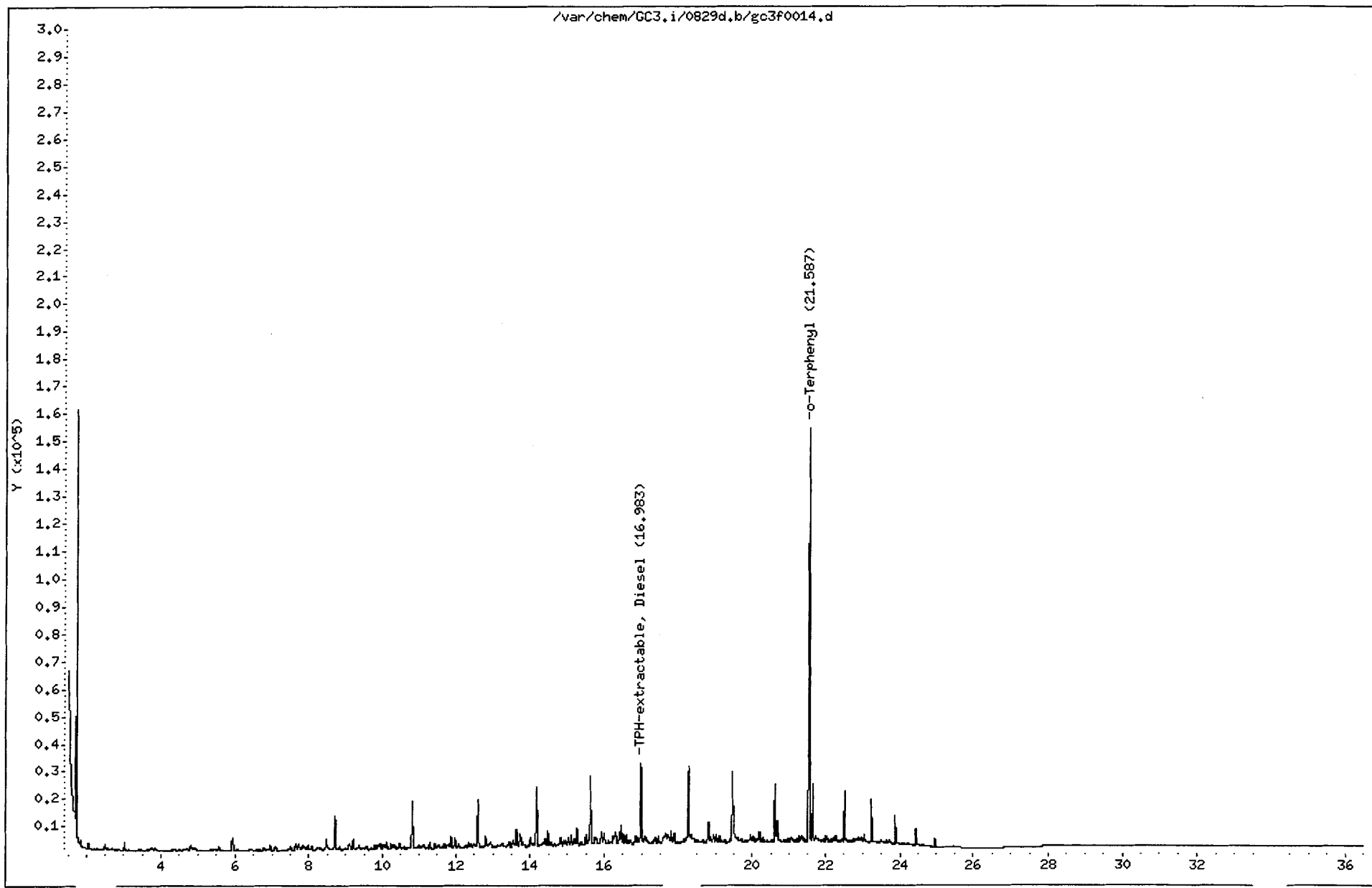
Page 2

Instrument: GC3.i

Operator: NTA

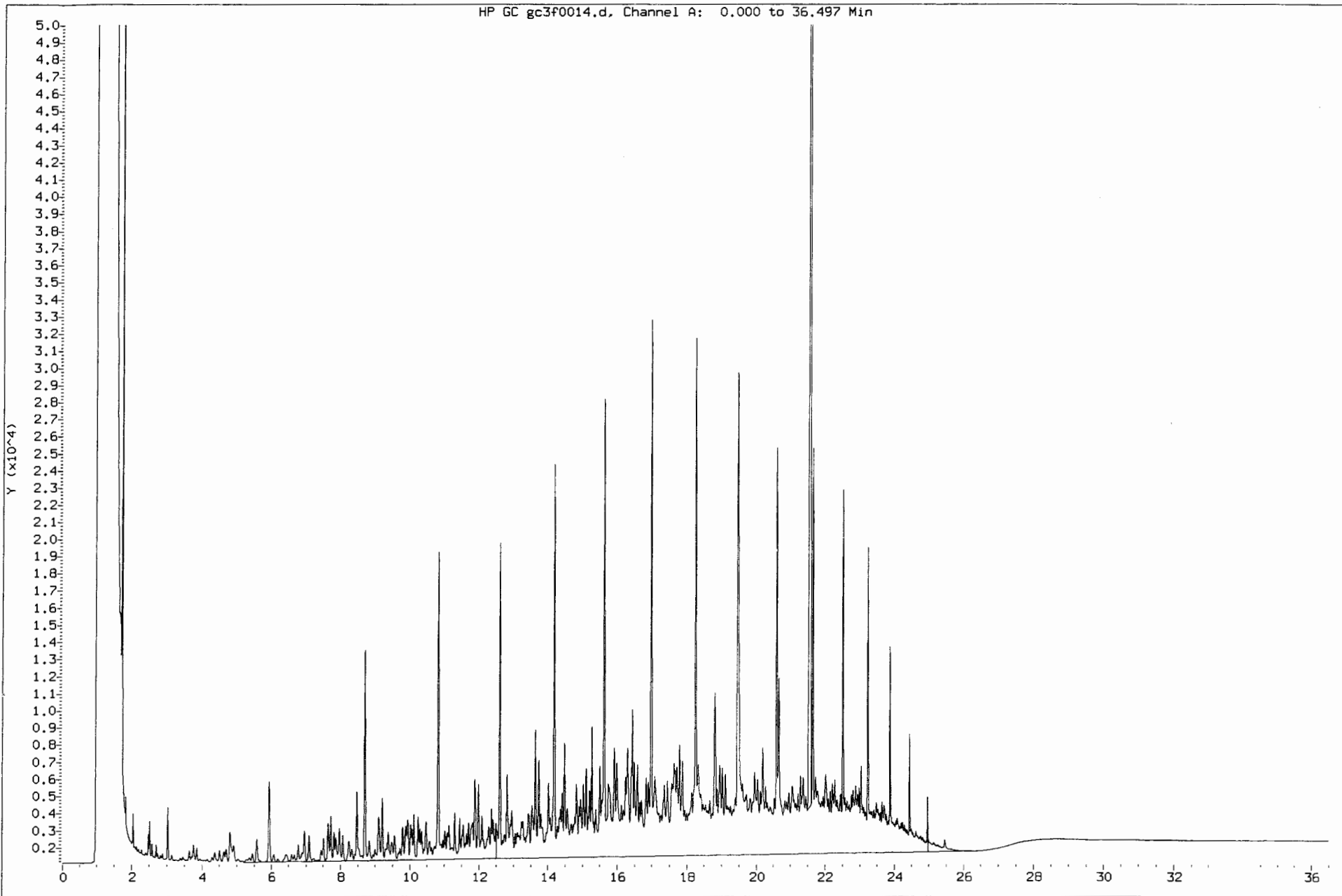
Column diameter: 0,53

00010



Data File: /var/chem/GC3.i/0829d.b/gc3f0014.d
Injection Date: 29-AUG-2000 19:52
Instrument: GC3.i
Client Sample ID:

216000



Data File: /var/chem/GC3.i/0829d.b/gc3f0015.d

Date : 29-AUG-2000 20:38

Client ID:

Sample Info: DIESEL 500/50

Column phase: MXT-1

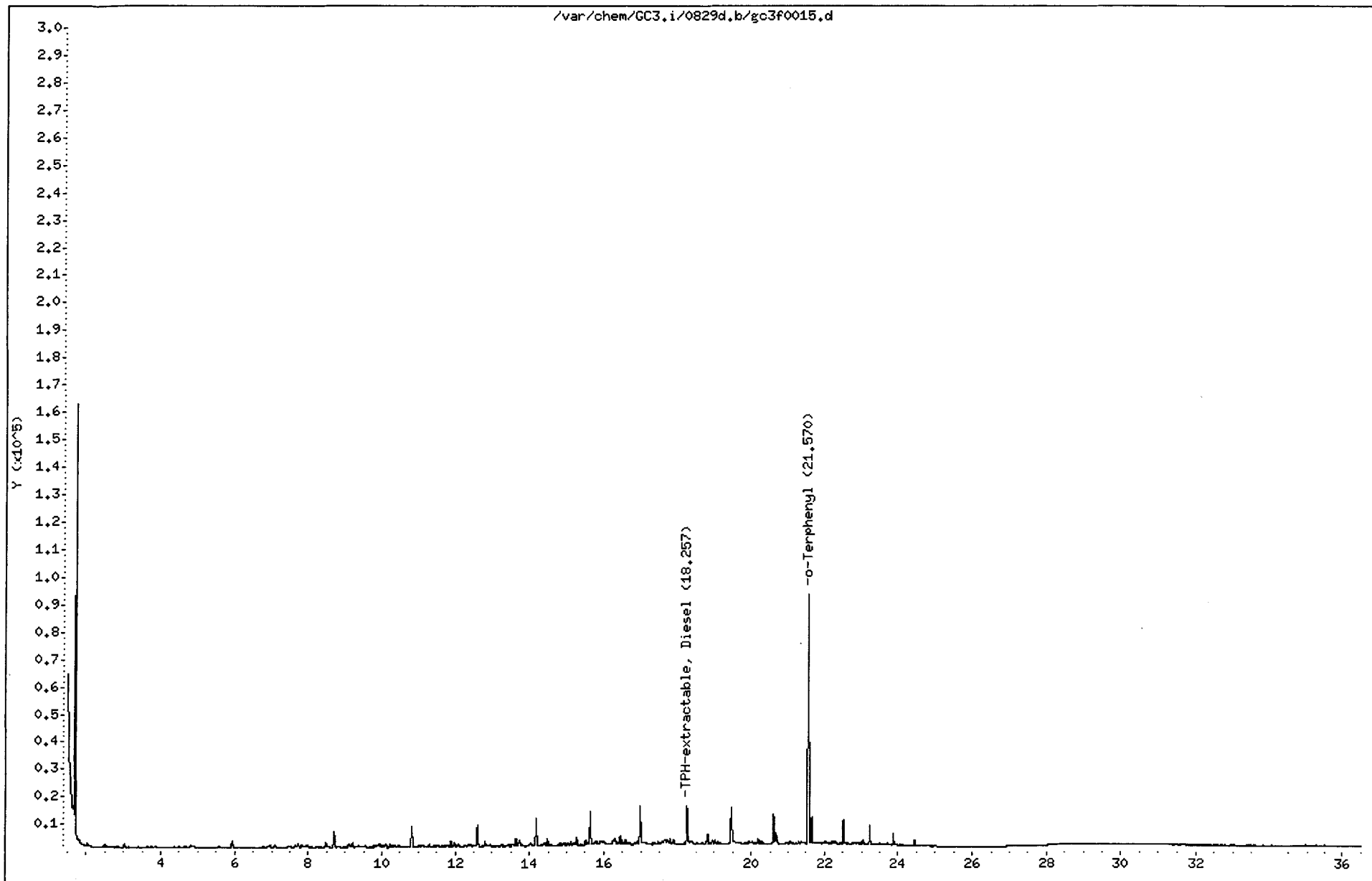
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

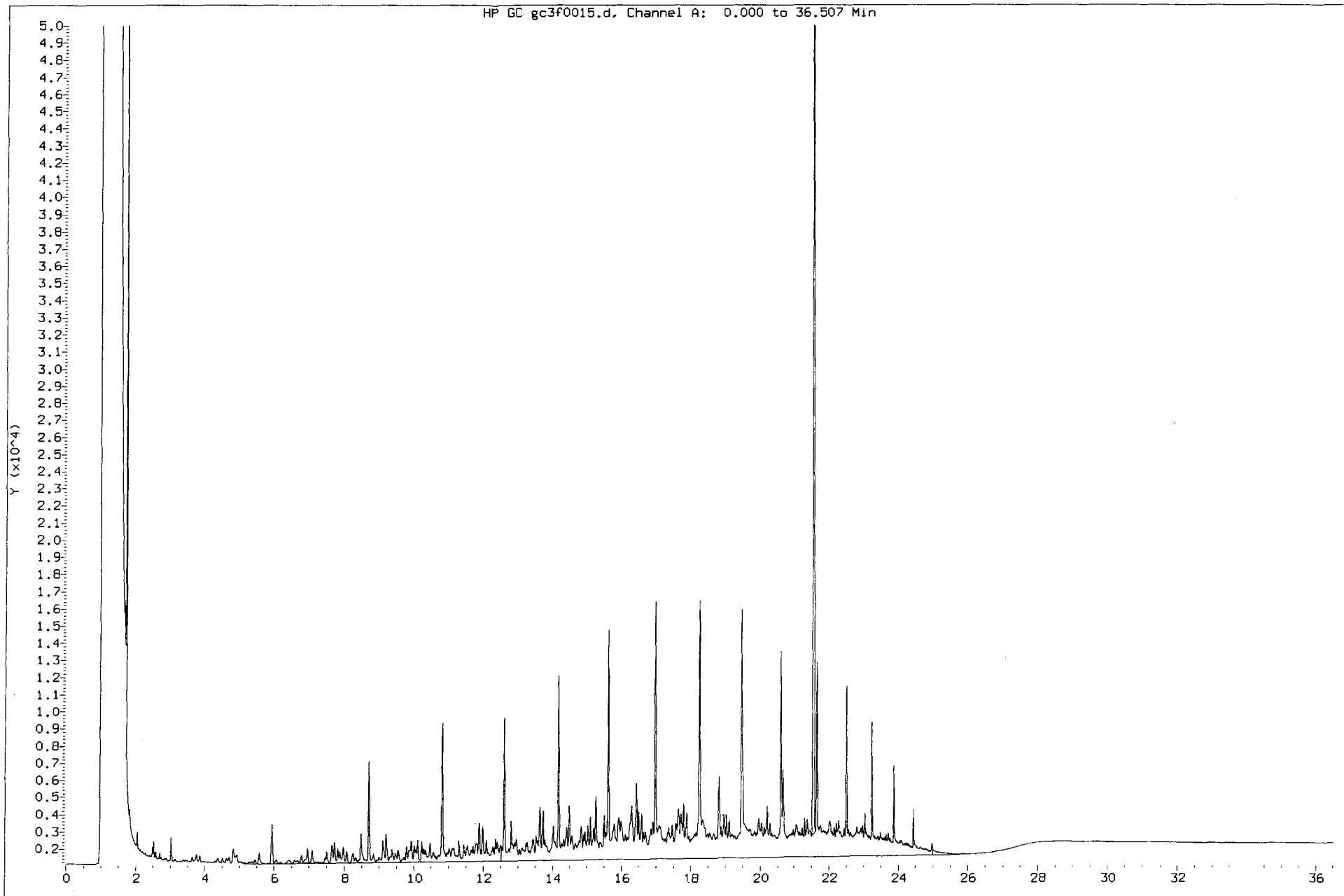
Page 2

000019



Data File: /var/chem/GC3.1/0829d.b/gc3f0015.d
Injection Date: 29-AUG-2000 20:38
Instrument: GC3.i
Client Sample ID:

000020



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/0829d.b/gc3f0016.d
Lab Smp Id: DIESEL 200/20
Inj Date : 29-AUG-2000 21:25
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 200/20
Misc Info : 1;3;;;;G-082800-6;3
Comment :
Method : /var/chem/GC3.i/0829d.b/diesel_f.m
Meth Date : 15-Nov-2000 17:06 rlh Quant Type: ESTD
Cal Date : 29-AUG-2000 21:25 Cal File: gc3f0016.d
Als bottle: 7 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	19.463	19.500	-0.037	2091458	200.000	173(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
3 o-Terphenyl	21.550	21.550	0.000	354930	20.0000	19.9(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/0829d.b/gc3f0016.d

Date : 29-AUG-2000 21:25

Client ID:

Sample Info: DIESEL 200/20

Column phase: HXT-1

Instrument: GC3.i

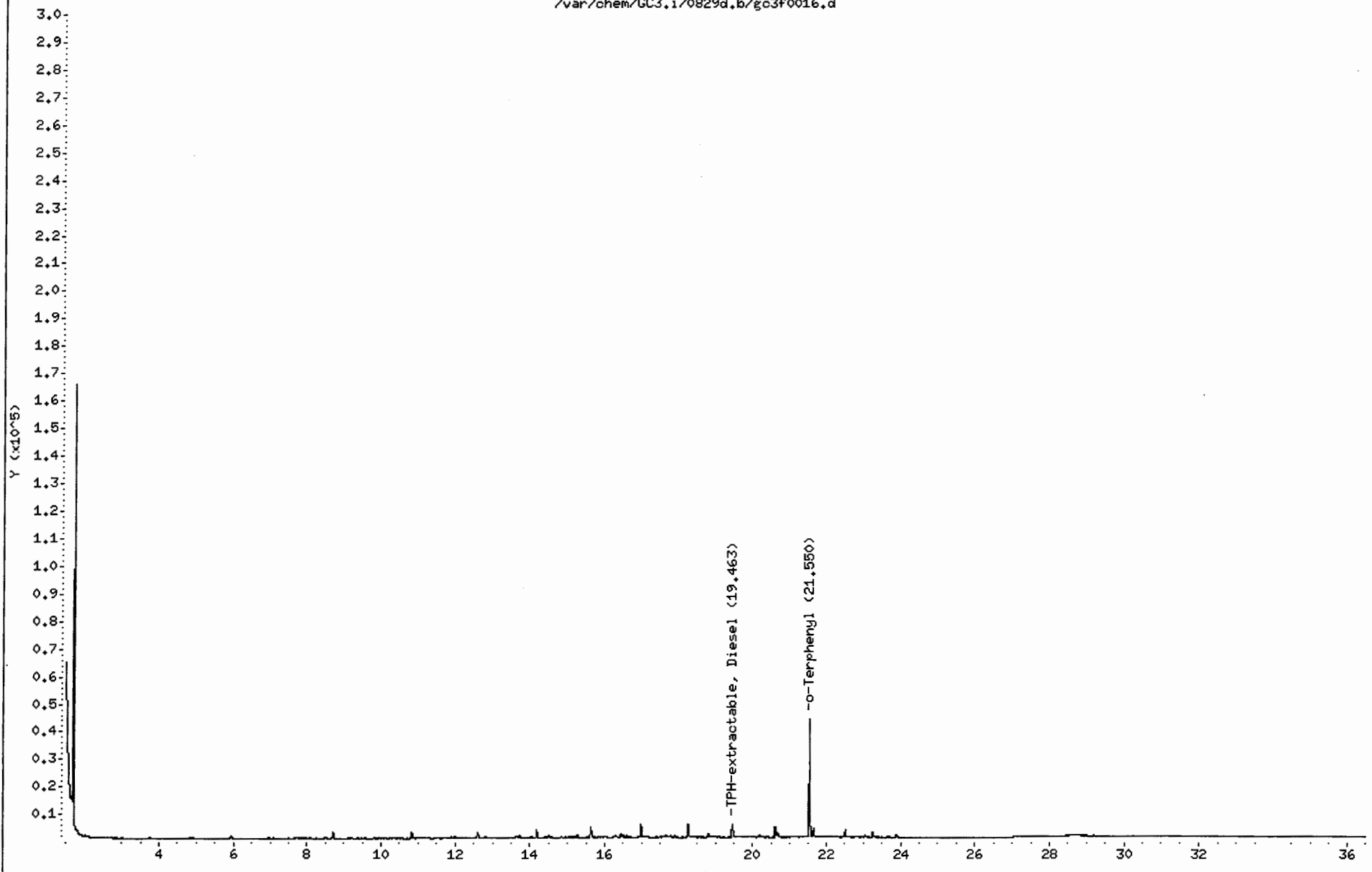
Operator: NTA

Column diameter: 0,53

Page 2

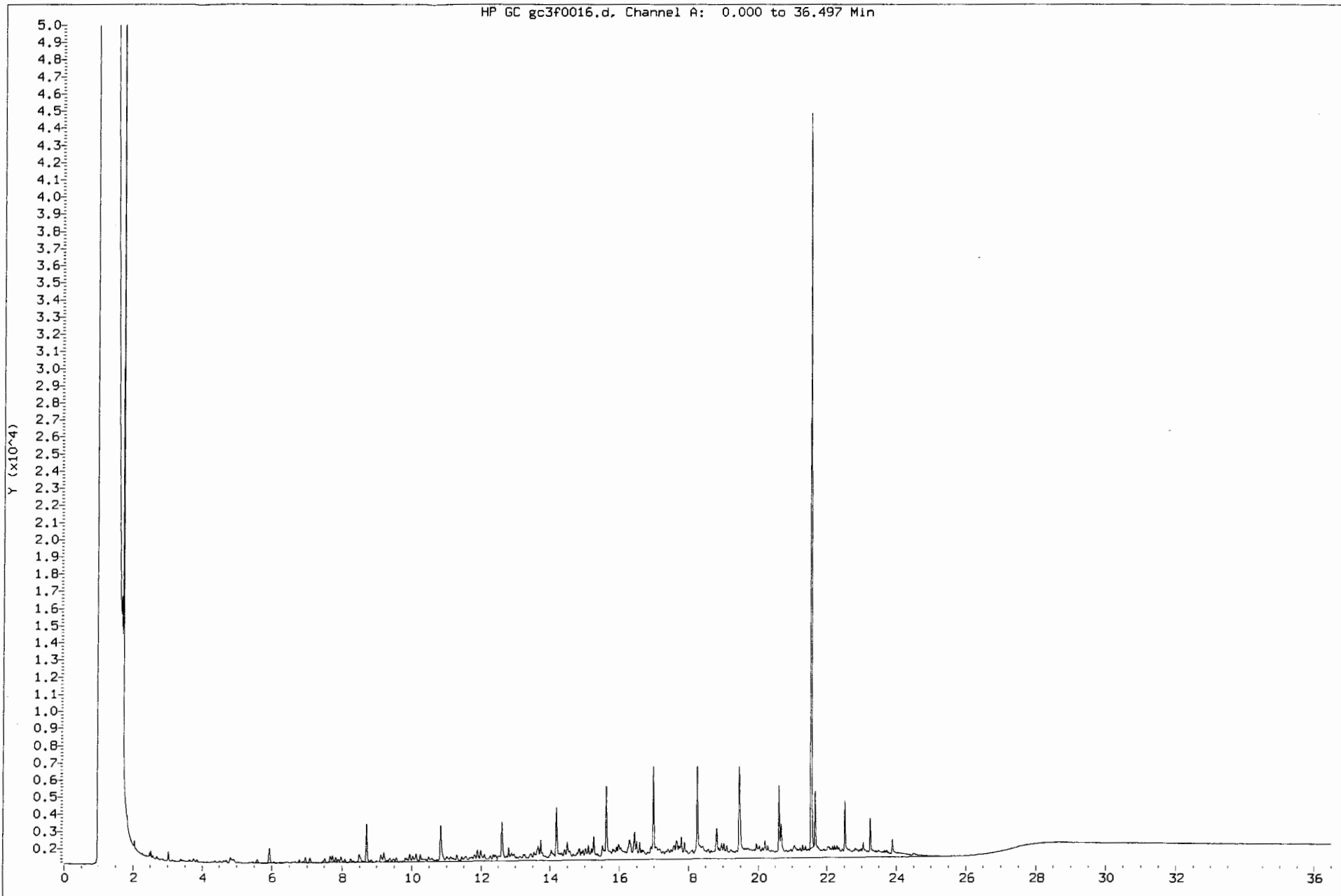
000022

/var/chem/GC3.i/0829d.b/gc3f0016.d



Data File: /var/chem/GC3.1/0829d.b/gc3f0016.d
Injection Date: 29-AUG-2000 21:25
Instrument: GC3.1
Client Sample ID:

000023



Data File: /var/chem/GC3.i/0829d.b/gc3f0017.d

Date : 29-AUG-2000 22:12

Client ID:

Sample Info: DIESEL 100/10

Instrument: GC3.i

Operator: NTA

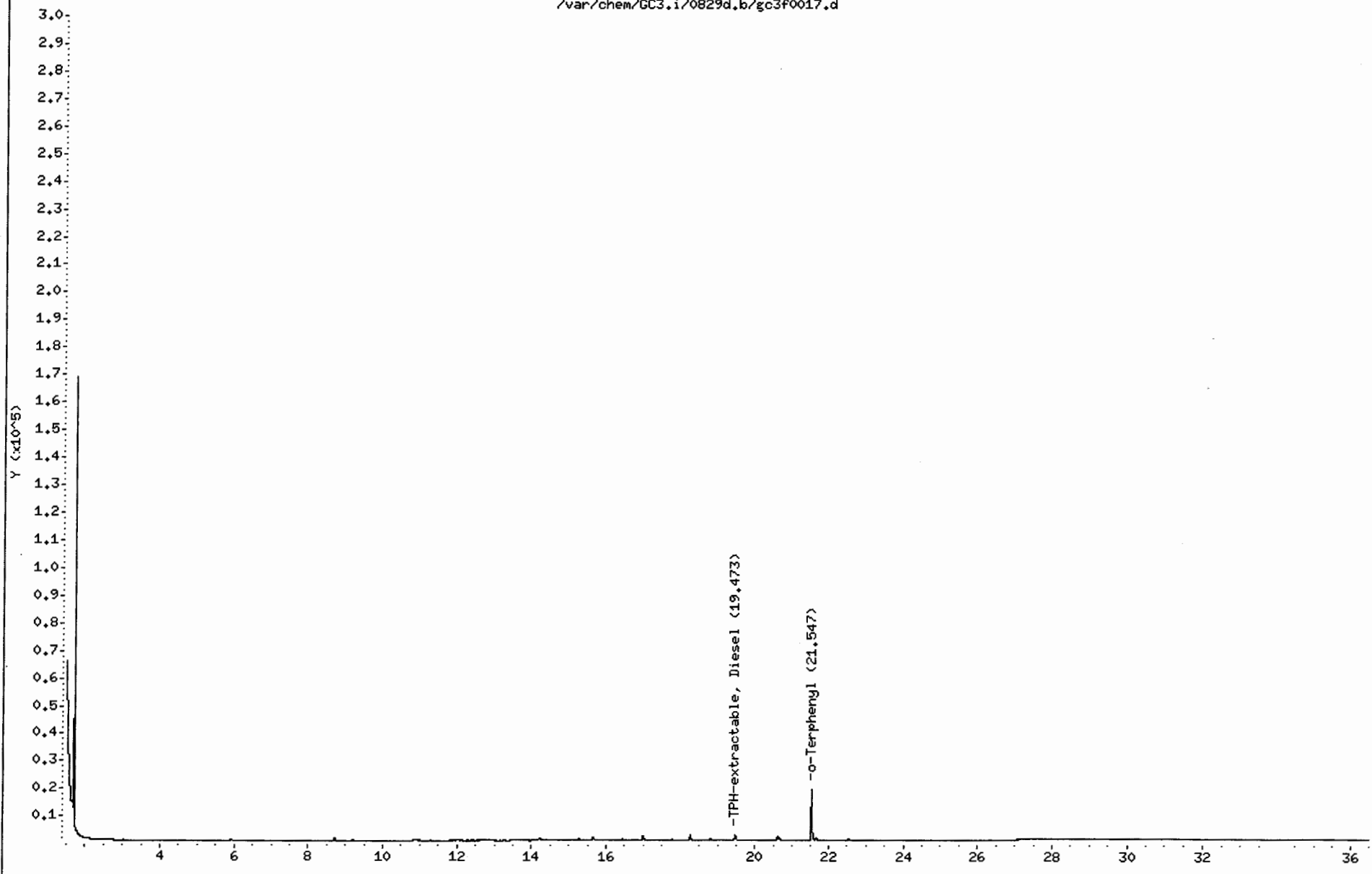
Column diameter: 0.53

Column phase: HXT-1

Page 2

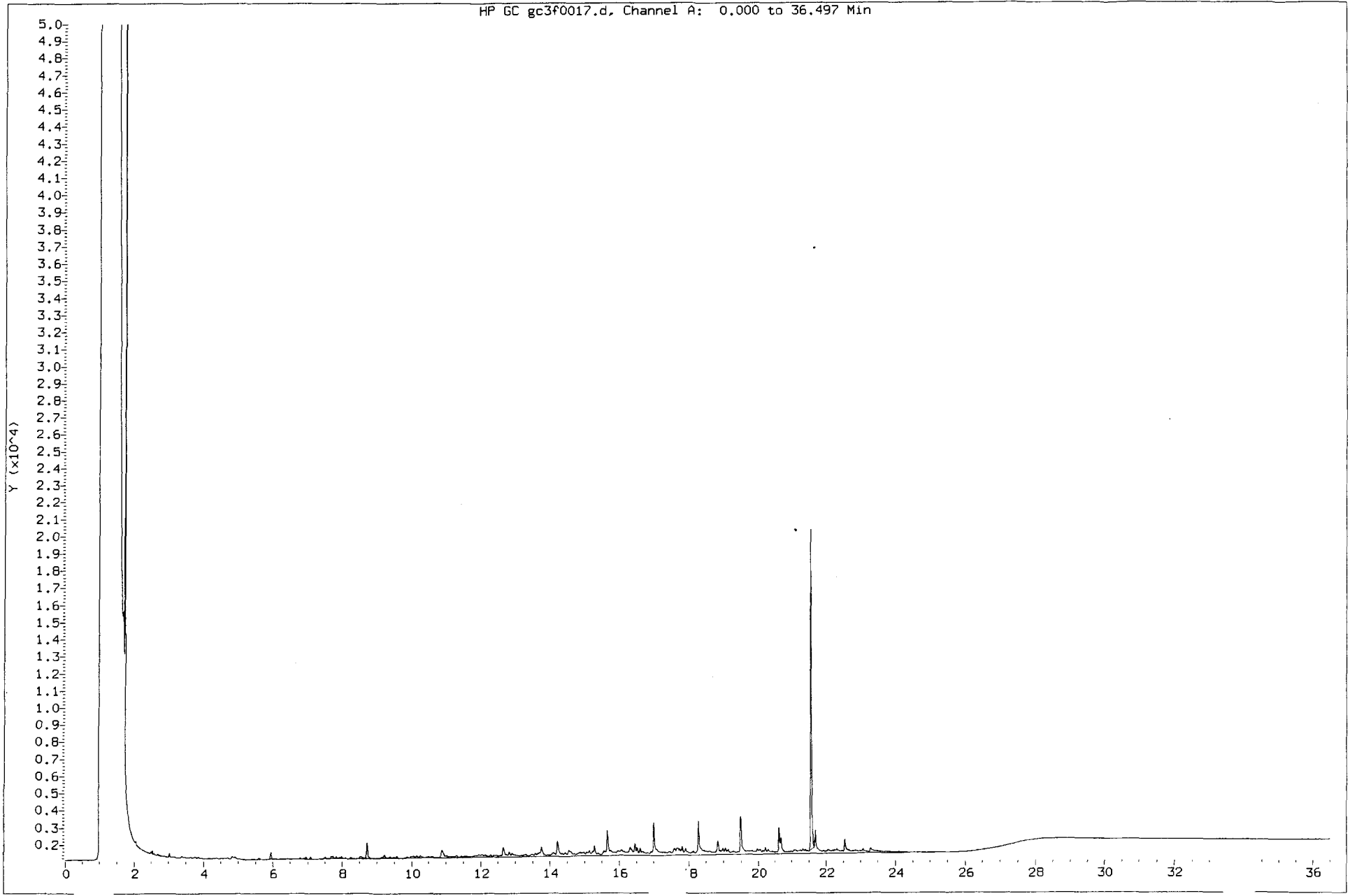
000025

/var/chem/GC3.i/0829d.b/gc3f0017.d



Data File: /var/chem/GC3.i/0829d.b/gc3f0017.d
Injection Date: 29-AUG-2000 22:12
Instrument: GC3.i
Client Sample ID:

000026



Data File: /var/chem/GC3.i/0829d.b/gc3f0018.d

Page 2

Date : 29-AUG-2000 22:59

Client ID:

Instrument: GC3.i

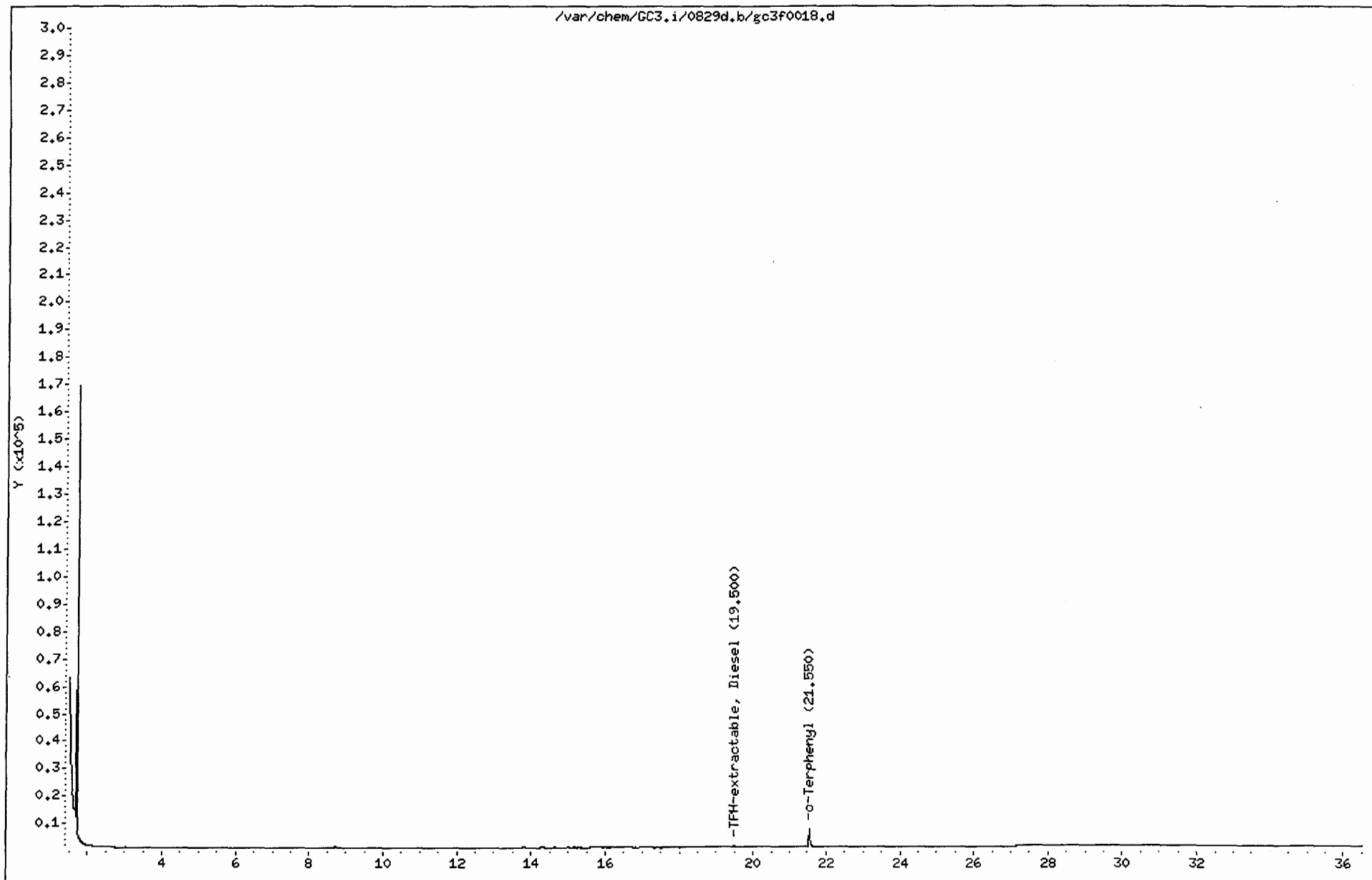
Sample Info: DIESEL 50/5

Operator: NTA

Column phase: MXT-1

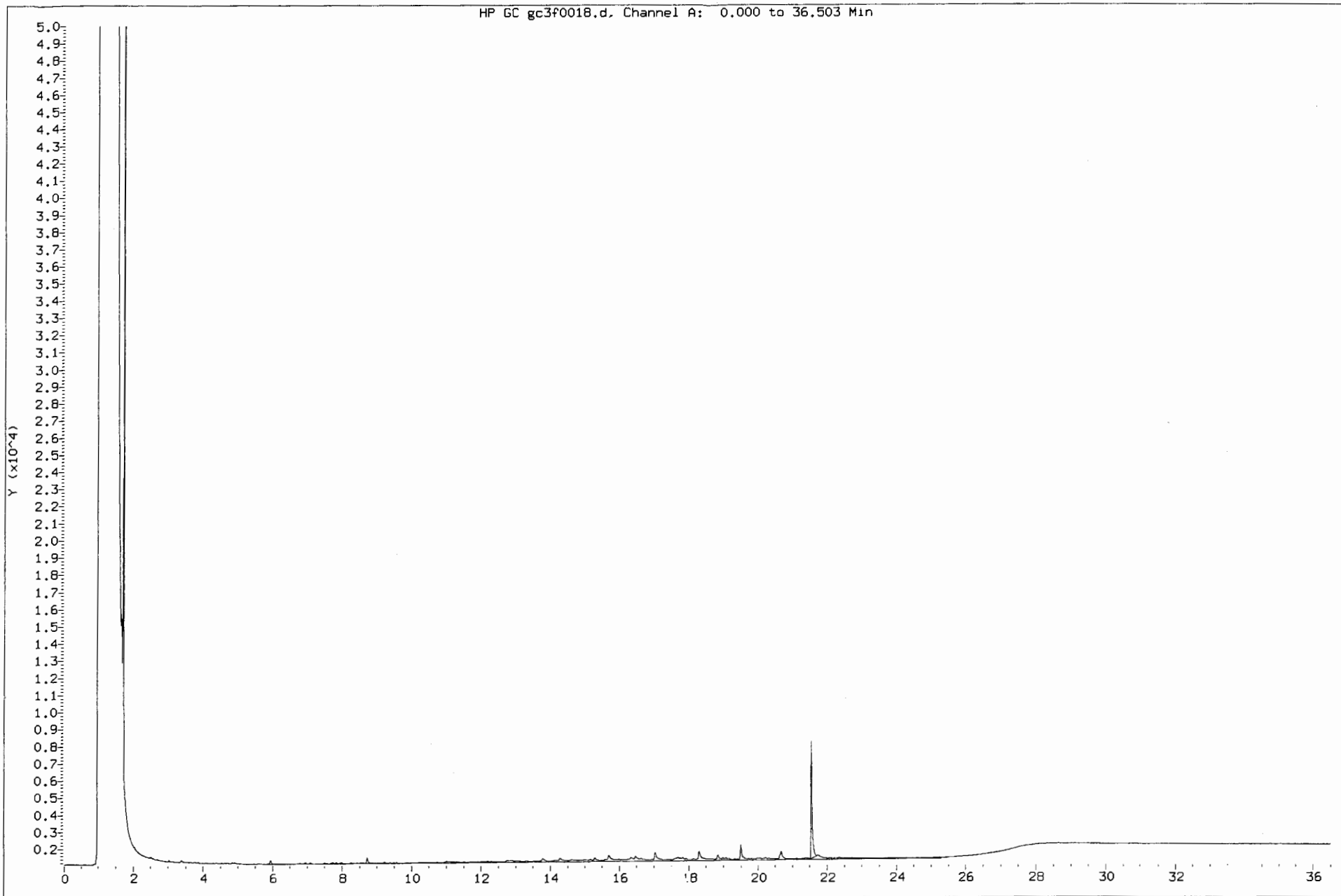
Column diameter: 0.53

000028



Data File: /var/chem/GC3.1/0829d.b/gc3f0018.d
Injection Date: 29-AUG-2000 22:59
Instrument: GC3.1
Client Sample ID:

000029



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/0829d.b/gc3f0019.d
Lab Smp Id: DIESEL 2* 1000
Inj Date : 29-AUG-2000 23:46
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 2* 1000
Misc Info : 0;3;;;;;G-050500-3;
Comment :
Method : /var/chem/GC3.i/0829d.b/diesel_f.m
Meth Date : 15-Nov-2000 17:06 rlh Quant Type: ESTD
Cal Date : 29-AUG-2000 22:59 Cal File: gc3f0018.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (ug/mL)
=====	==	=====	=====	=====	=====	=====
1 TPH-extractable, Diesel	16.977	19.500	-2.523	12456093	1087.49	1090(M)
2 TPH-extractable, Motor Oil				Compound Not Detected.		
3 o-Terphenyl				Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 0829d
Sample Matrix: NONE Fraction: SV
Lab Smp Id: DIESEL 2* 1000
Level: Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/0829d.b/diesel_f.m
Misc Info: 0;3;;;;G-050500-3;

SURROGATE COMPOUND	AMOUNT ADDED ug/mL	AMOUNT RECOVERED ug/mL	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	100	0.0	*	

Data File: /var/chem/GC3.i/0829d,b/gc3f0019.d

Page 3

Date : 29-AUG-2000 23:46

Client ID:

Instrument: GC3.i

Sample Info: DIESEL 2* 1000

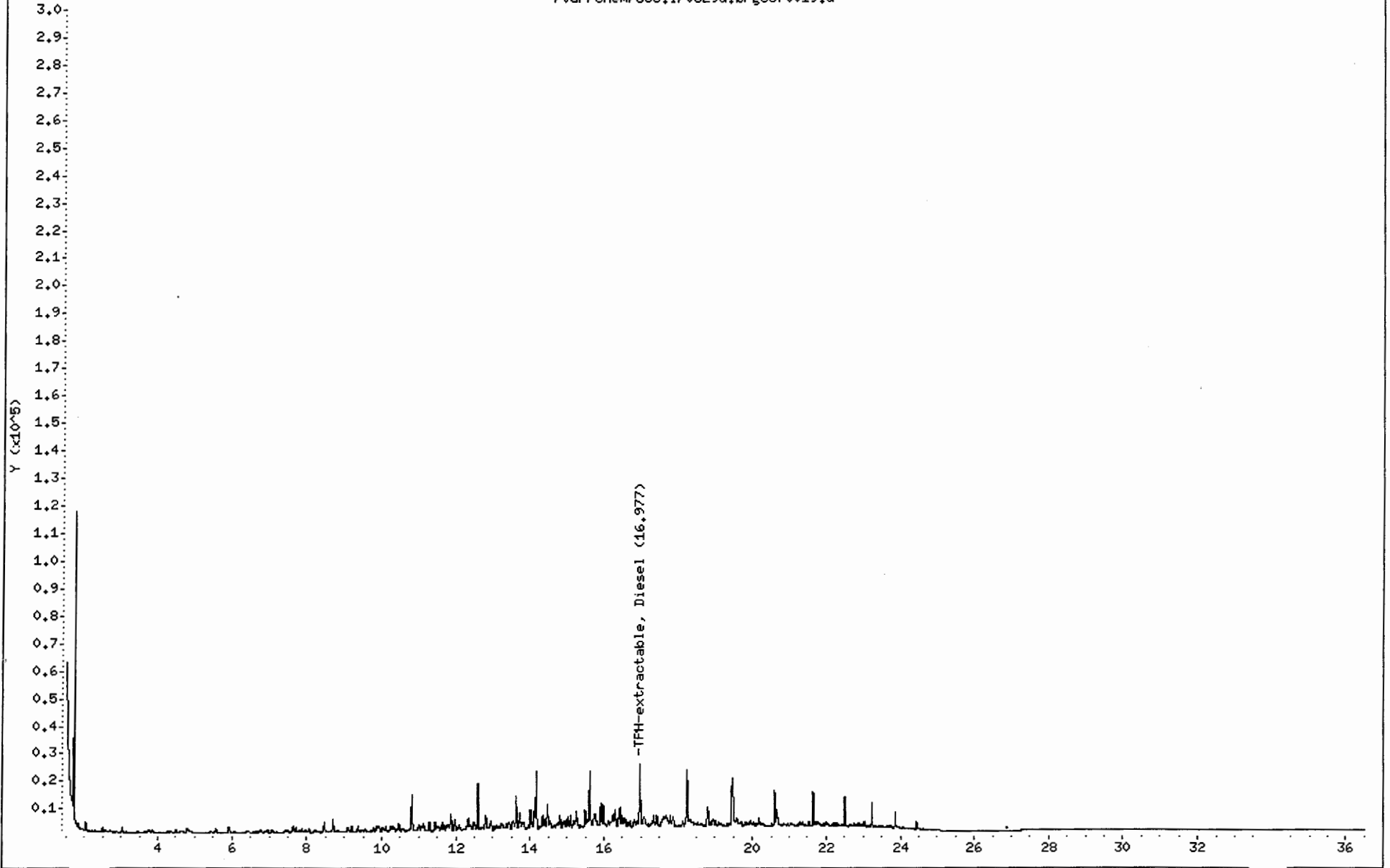
Operator: NTA

Column phase: MXT-1

Column diameter: 0.53

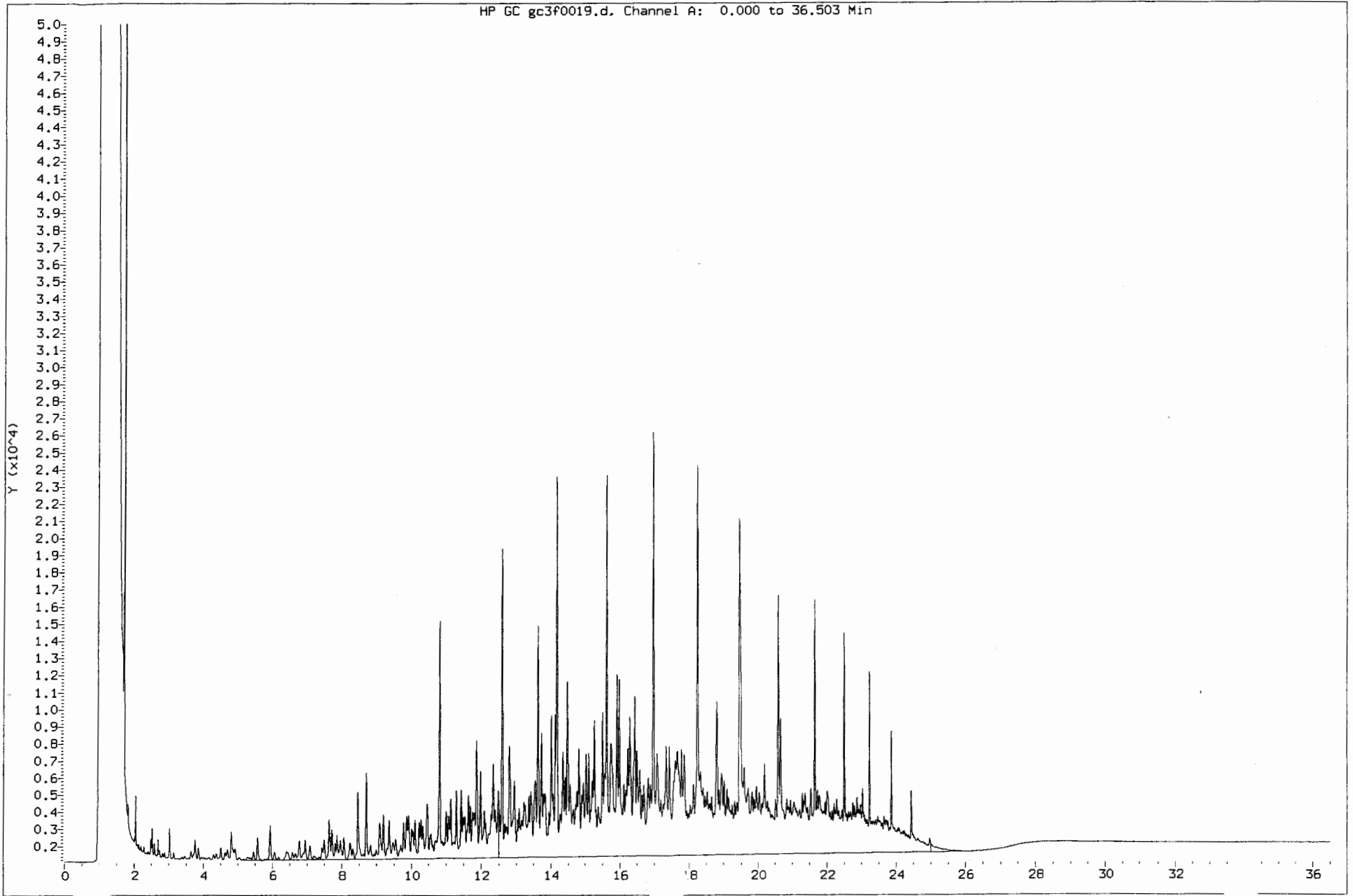
000032

/var/chem/GC3.i/0829d,b/gc3f0019.d



Data File: /var/chem/GC3.i/0829d.b/gc3f0019.d
Injection Date: 29-AUG-2000 23:46
Instrument: GC3.1
Client Sample ID:

000033



Date File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)	
gc3f0001.d	14-NOV-2000 10:17	MeCL2	1114d	NONE	all		
gc3f0002.d	14-NOV-2000 10:55	MeCL2	1114d	NONE	all		
gc3f0003.d	14-NOV-2000 11:44	MeCL2	1114d	NONE	all		
gc3f0004.d	14-NOV-2000 12:26	DIESEL 1000/100	G-111400-1	NONE	all	fail	
gc3f0005.d	14-NOV-2000 13:13	DIESEL 1000/100	G-111400-1	NONE	all	✓	
gc3f0006.d	14-NOV-2000 15:54	MeCL2	1114d	NONE	all		
gc3f0007.d	14-NOV-2000 16:34	MeCL2	1114d	NONE	all		
gc3f0008.d	14-NOV-2000 17:19	ALKANE MIX	G-050500-5	NONE	all		
gc3f0009.d	14-NOV-2000 18:04	DIESEL 5000/500	G-111400-2	NONE	all	I Cal Passes	
gc3f0010.d	14-NOV-2000 18:50	DIESEL 2000/200	G-082800-3	NONE	all	↓	
gc3f0011.d	14-NOV-2000 19:36	DIESEL 1000/100	G-082800-4	NONE	all		
gc3f0012.d	14-NOV-2000 20:22	DIESEL 500/50	G-082800-5	NONE	all		
gc3f0013.d	14-NOV-2000 21:07	DIESEL 200/20	G-082800-6	NONE	all		
gc3f0014.d	14-NOV-2000 21:53	DIESEL 100/10	G-082800-7	NONE	all		
gc3f0015.d	14-NOV-2000 22:38	DIESEL 50/5	G-082800-8	NONE	all		
gc3f0016.d	14-NOV-2000 23:23	DIESEL 50/5	G-082800-8	NONE	all		not used
gc3f0017.d	15-NOV-2000 00:07	DIESEL 2* 1000	G-050500-3	NONE	all		Pass
gc3f0018.d	15-NOV-2000 00:52	MOTOR OIL 5000	G-041800-7	NONE	all		I Cal Passes
gc3f0019.d	15-NOV-2000 01:37	MOTOR OIL 4000	G-041800-8	NONE	all		↓
gc3f0020.d	15-NOV-2000 02:22	MOTOR OIL 3000	G-041800-9	NONE	all		
gc3f0021.d	15-NOV-2000 03:07	MOTOR OIL 2000	G-090800-1	NONE	all		
gc3f0022.d	15-NOV-2000 03:52	MOTOR OIL 1000	G-041800-11	NONE	all		
gc3f0023.d	15-NOV-2000 04:37	MOTOR OIL 500	G-041800-12	NONE	all		
gc3f0024.d	15-NOV-2000 05:23	MOTOR OIL 200	G-041800-13	NONE	all	✓	

COLUMNS: DB-5MS METHODS: Diesel-F ISTD: N/A
 OPERATOR: NTA

Data File: /var/chem/GC3.i/1114d,b/gc3f0018,d

Date : 15-NOV-2000 00:52

Client ID:

Sample Info: MOTOR OIL 5000

Column phase: MXT-1

Instrument: GC3.i

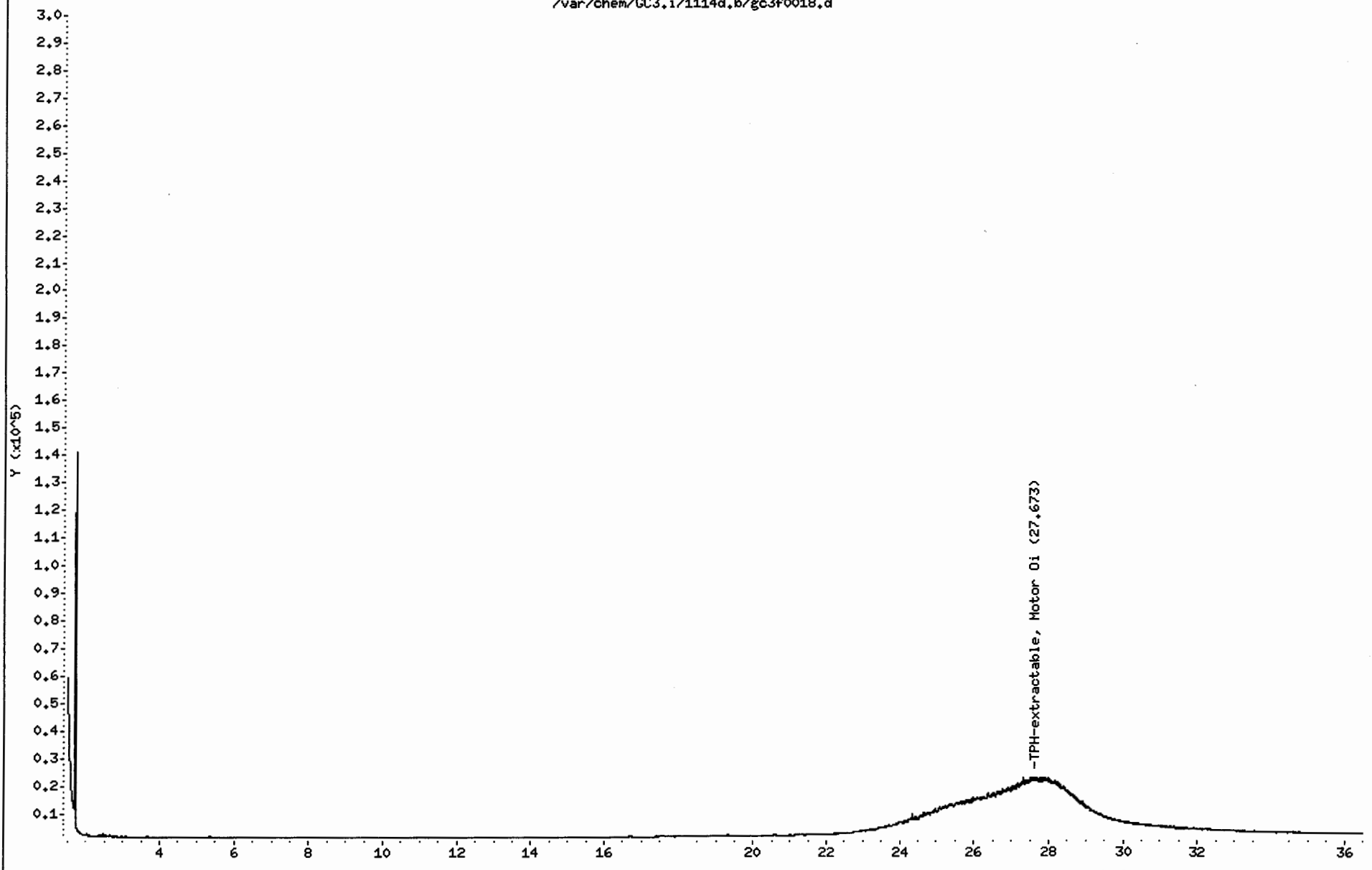
Operator: NTA

Column diameter: 0.53

Page 2

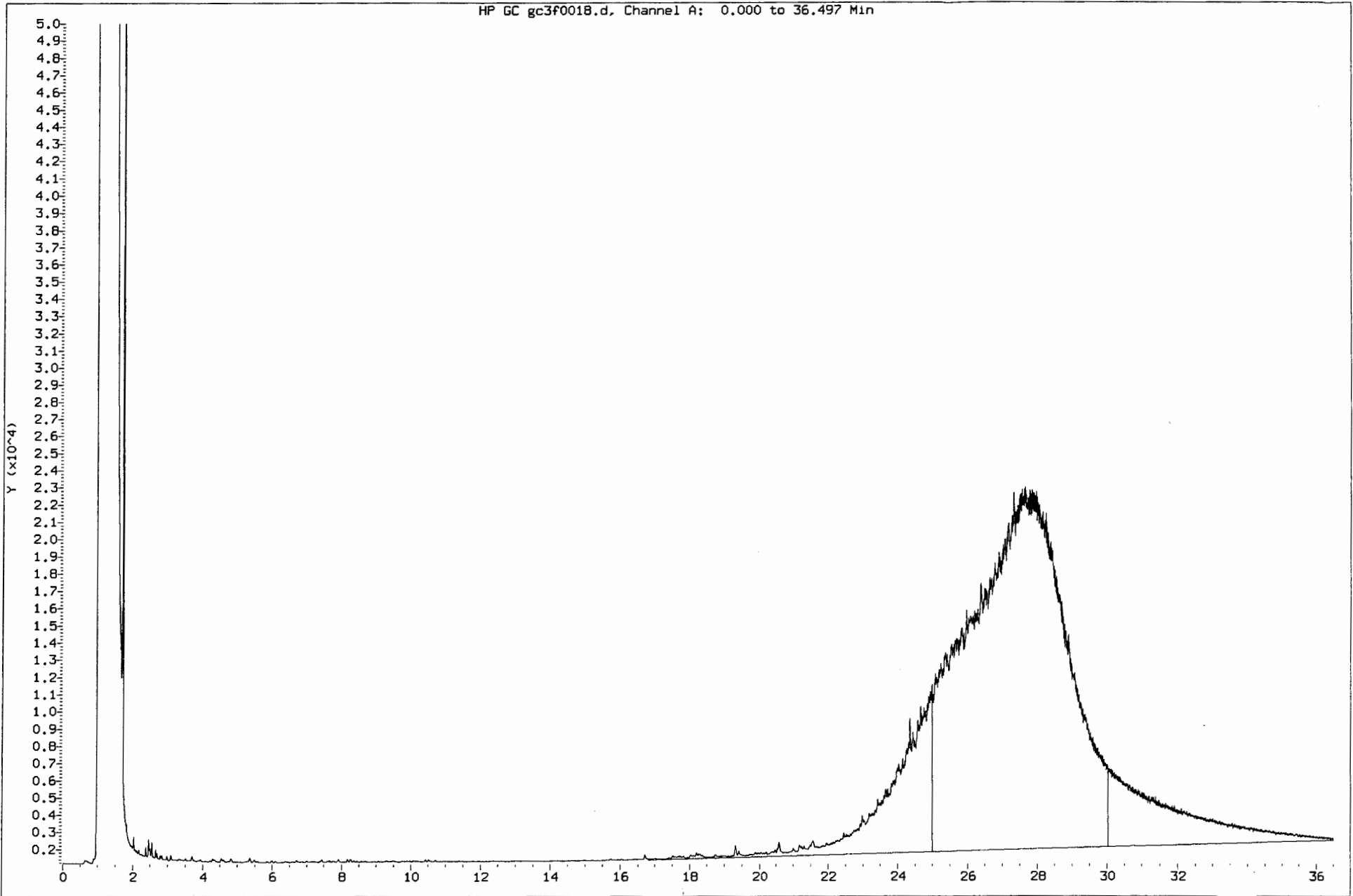
000036

/var/chem/GC3.i/1114d,b/gc3f0018,d



Data File: /var/chem/GC3.1/1114d.b/gc3f0018.d
Injection Date: 15-NOV-2000 00:52
Instrument: GC3.1
Client Sample ID:

000037



Data File: /var/chem/GC3.i/1114d.b/gc3f0019.d

Date : 15-NOV-2000 01:37

Client ID:

Sample Info: MOTOR OIL 4000

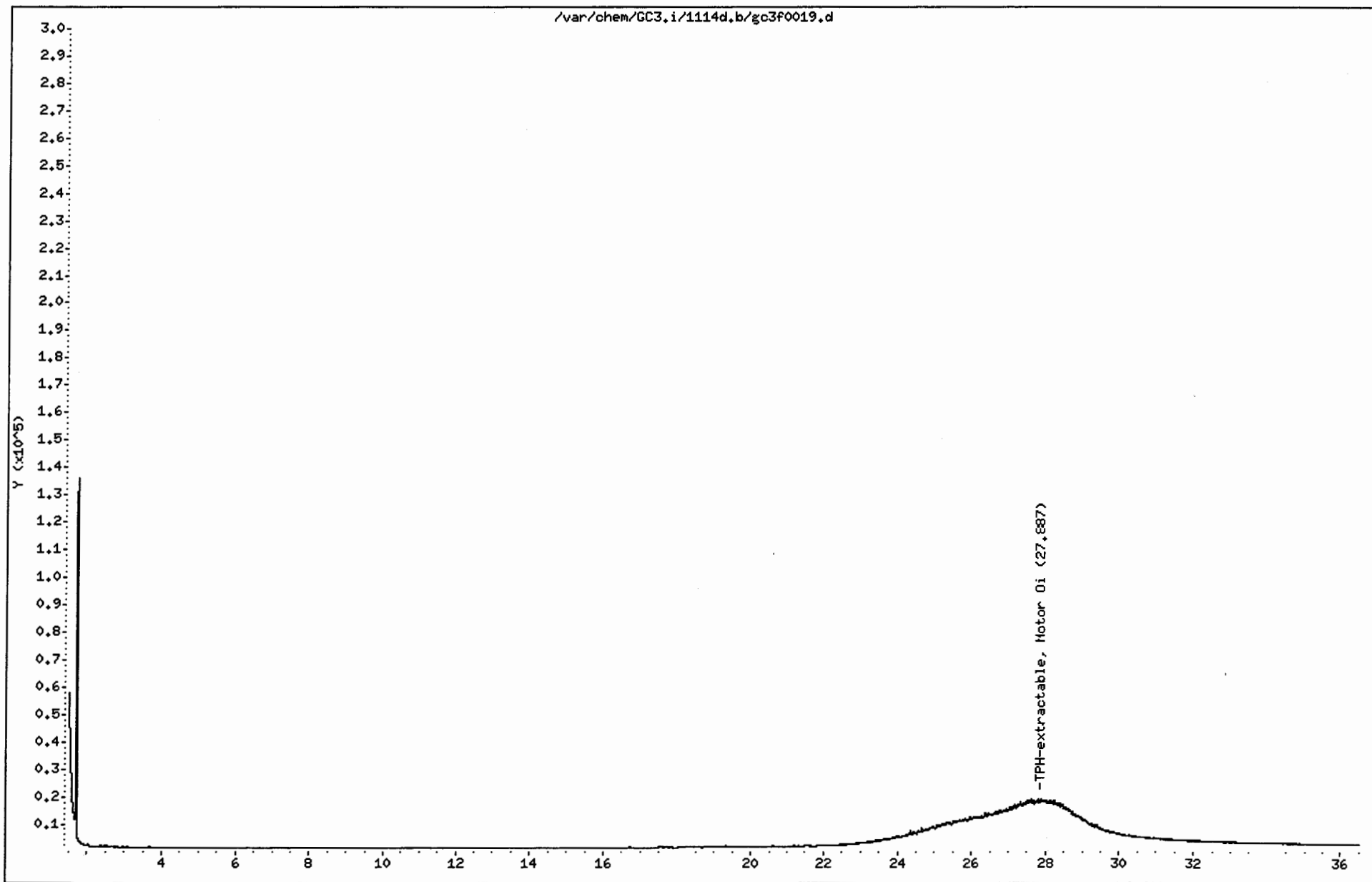
Column phase: MXT-1

Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

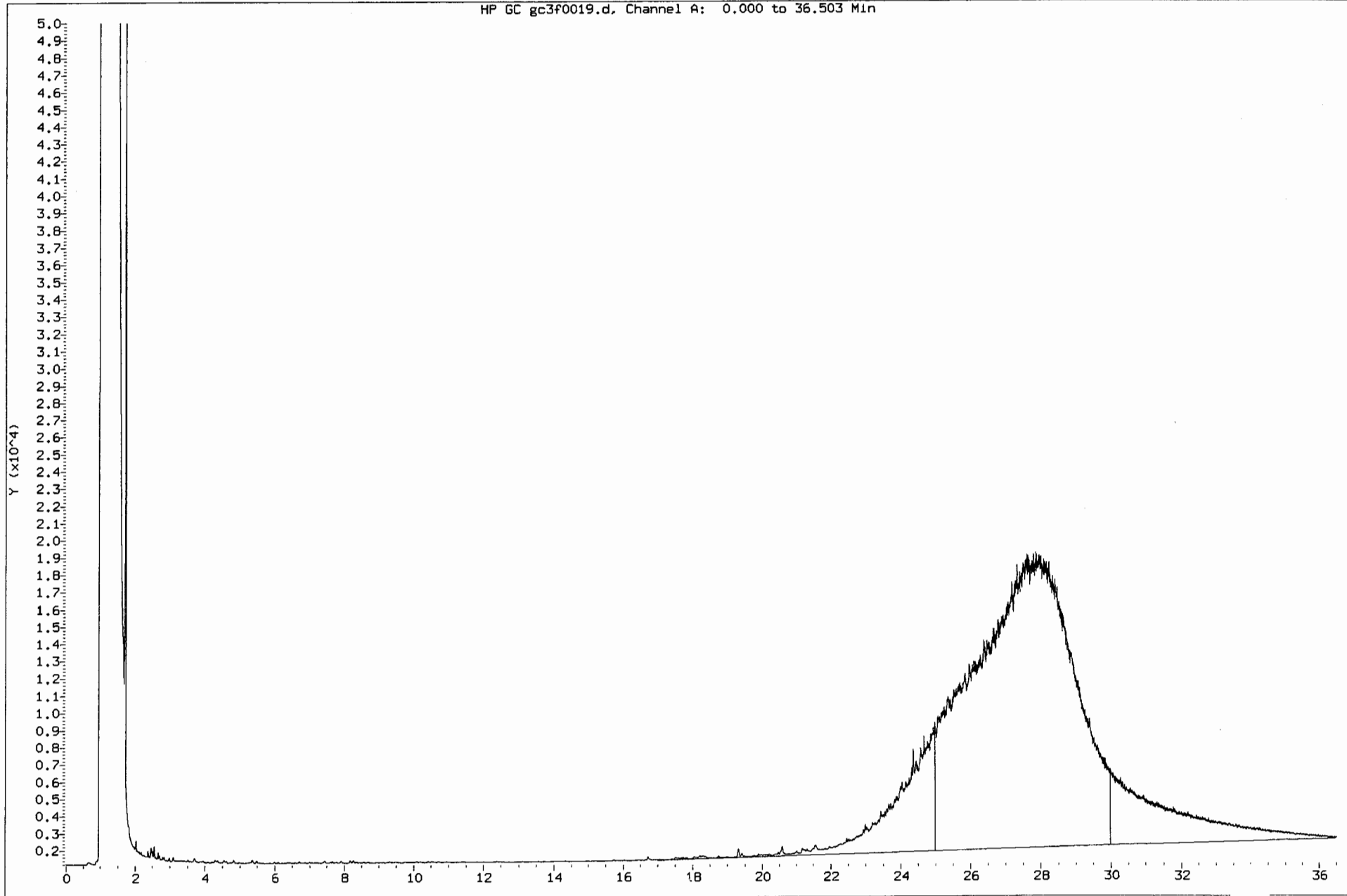
000039



Data File: /var/chem/GC3.1/1114d.b/gc3f0019.d
Injection Date: 15-NOV-2000 01:37
Instrument: GC3.1
Client Sample ID:

000040

HP GC gc3f0019.d, Channel A: 0.000 to 36.503 Min



Report Date: 28-Nov-2000 11:38

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1114d.b/gc3f0020.d

Lab Smp Id: MOTOR OIL 3000

Inj Date : 15-NOV-2000 02:22

Operator : NTA

Inst ID: GC3.i

Smp Info : MOTOR OIL 3000

Misc Info : 1;3;;;;;G-041800-9;12

Comment :

Method : /var/chem/GC3.i/1114d.b/diesel_f.m

Meth Date : 22-Nov-2000 10:48 nta

Quant Type: ESTD

Cal Date : 15-NOV-2000 02:22

Cal File: gc3f0020.d

Als bottle: 13

Calibration Sample, Level: 12

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Compounds	RT	EXP RT	DLT	RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel					Compound Not Detected.		
2 TPH-extractable, Motor Oil	28.187	28.890	-0.703		13470321	3000.00	2620(M)
3 o-Terphenyl					Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1114d.b/gc3f0020.d

Date : 15-NOV-2000 02:22

Client ID:

Sample Info: MOTOR OIL 3000

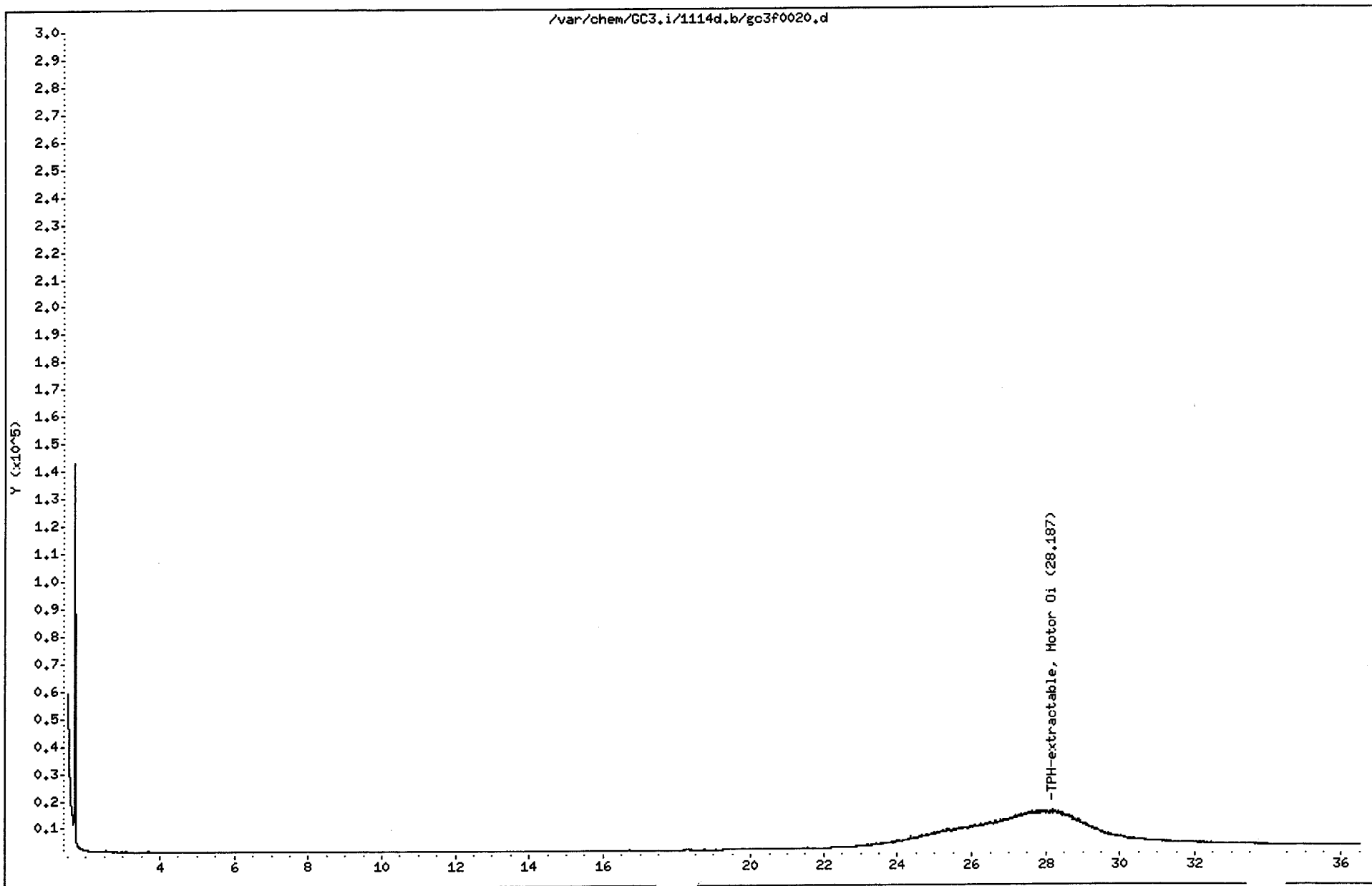
Column phase: MXT-1

Instrument: GC3.i

Operator: NTA

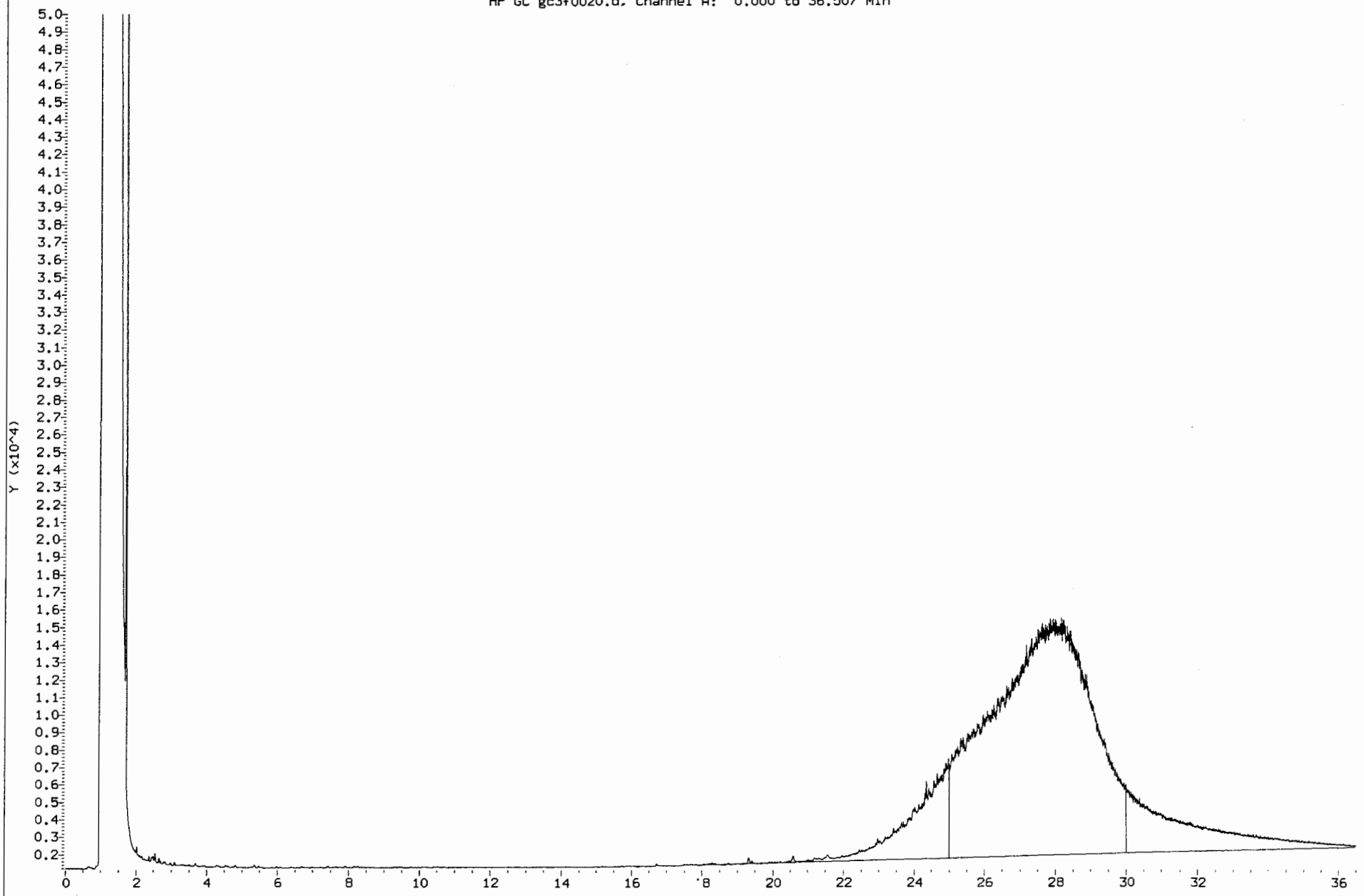
Column diameter: 0.53

000042



Data File: /var/chem/GC3.1/1114d.b/gc3f0020.d
Injection Date: 15-NOV-2000 02:22
Instrument: GC3.1
Client Sample ID:

HP GC gc3f0020.d, Channel A: 0.000 to 36.507 Min



000043

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1114d.b/gc3f0021.d

Lab Smp Id: MOTOR OIL 2000

Inj Date : 15-NOV-2000 03:07

Operator : NTA

Inst ID: GC3.i

Smp Info : MOTOR OIL 2000

Misc Info : 1;3;;;;;G-090800-1;11

Comment :

Method : /var/chem/GC3.i/1114d.b/diesel_f.m

Meth Date : 22-Nov-2000 10:48 nta

Quant Type: ESTD

Cal Date : 15-NOV-2000 03:07

Cal File: gc3f0021.d

Als bottle: 14

Calibration Sample, Level: 11

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

AMOUNTS

Compounds	RT	EXP	RT	DLT	RT	RESPONSE	AMOUNTS	
							CAL - AMT (ug/mL)	ON - COL (ug/mL)
1 TPH-extractable, Diesel						Compound Not Detected.		
2 TPH-extractable, Motor Oil	28.427	28.890	-0.463			9475227	2000.00	1840(M)
3 o-Terphenyl						Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1114d.b/gc3f0021.d

Page 2

Date : 15-NOV-2000 03:07

Client ID:

Instrument: GC3.i

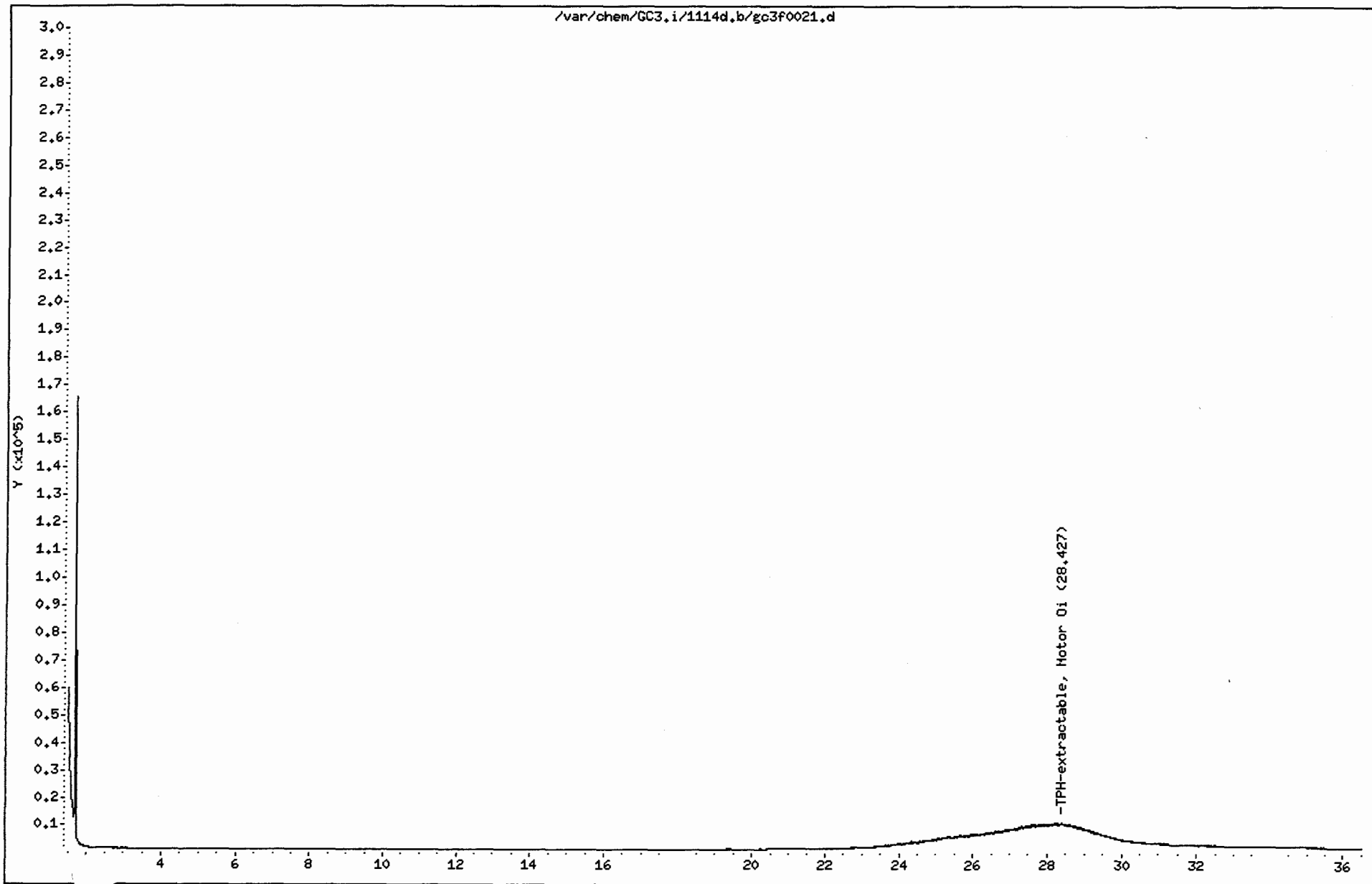
Sample Info: MOTOR OIL 2000

Operator: NTA

Column phase: MXT-1

Column diameter: 0,53

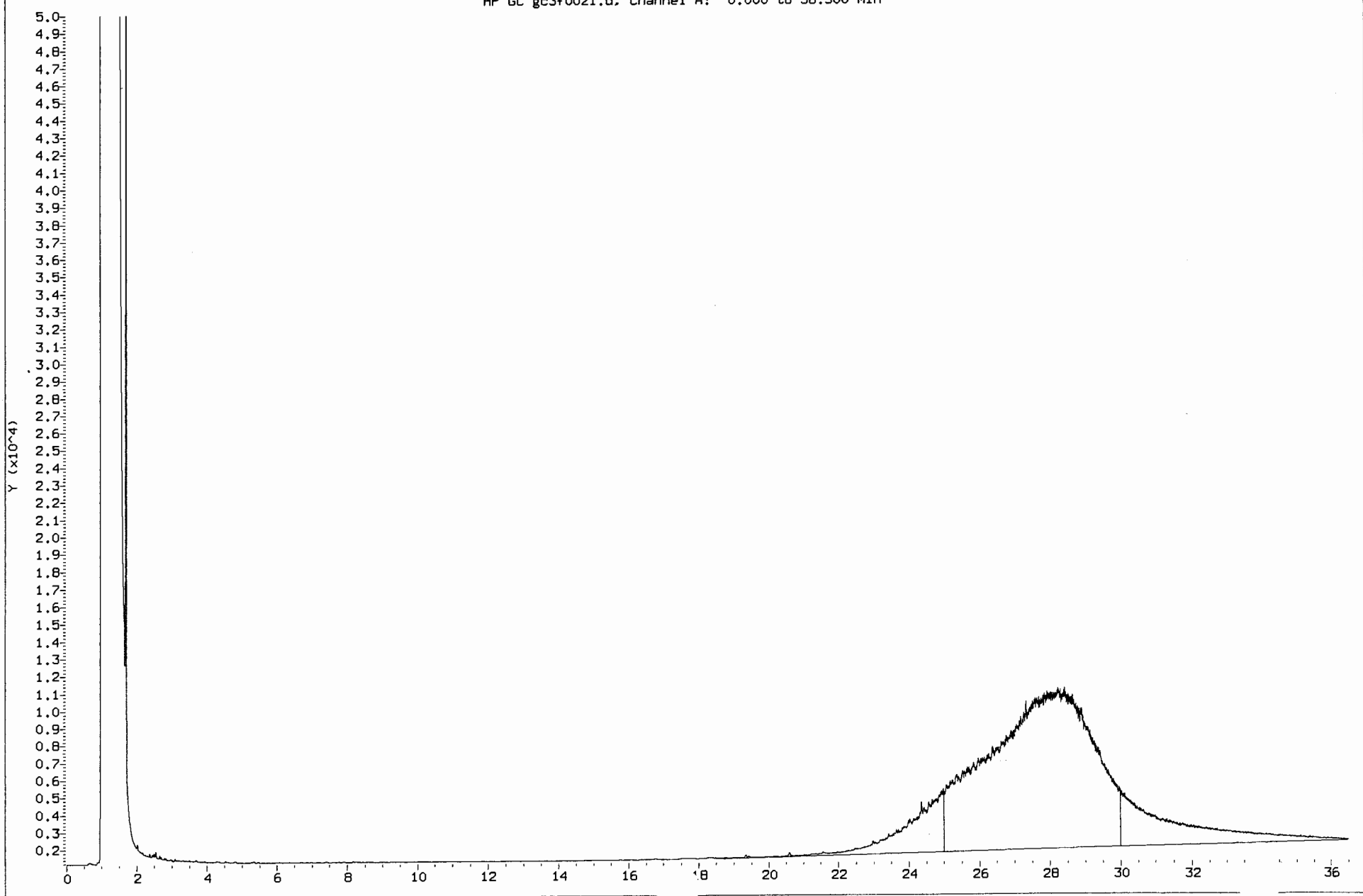
000045



Data File: /var/chem/GC3.1/1114d.b/gc3f0021.d
Injection Date: 15-NOV-2000 03:07
Instrument: GC3.1
Client Sample ID:

000046

HP GC gc3f0021.d, Channel A: 0.000 to 36.500 Min



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1114d.b/gc3f0022.d

Lab Smp Id: MOTOR OIL 1000

Inj Date : 15-NOV-2000 03:52

Operator : NTA

Inst ID: GC3.i

Smp Info : MOTOR OIL 1000

Misc Info : 1;3;;;;;G-041800-11;10

Comment :

Method : /var/chem/GC3.i/1114d.b/diesel_f.m

Meth Date : 22-Nov-2000 10:48 nta

Quant Type: ESTD

Cal Date : 15-NOV-2000 03:52

Cal File: gc3f0022.d

Als bottle: 15

Calibration Sample, Level: 10

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

AMOUNTS

Compounds	RT	EXP RT	DLT RT	RESPONSE	CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	==	=====	=====	=====	=====	=====
1 TPH-extractable, Diesel				Compound Not Detected.		
2 TPH-extractable, Motor Oil	28.650	28.890	-0.240	5523026	1000.00	1070(M)
3 o-Terphenyl				Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1114d.b/gc3f0022.d

Date : 15-NOV-2000 03:52

Client ID:

Sample Info: MOTOR OIL 1000

Column phase: MXT-1

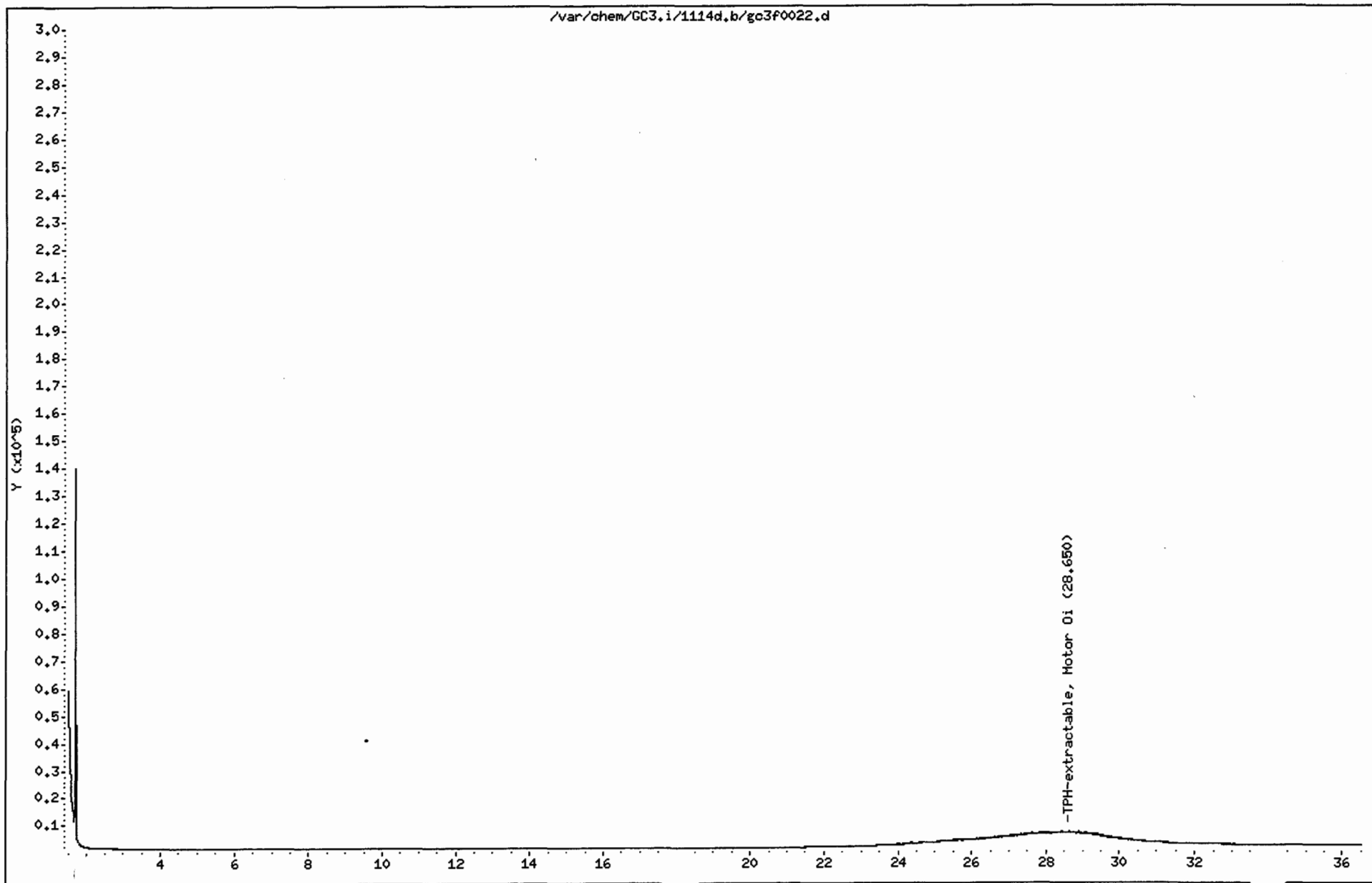
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

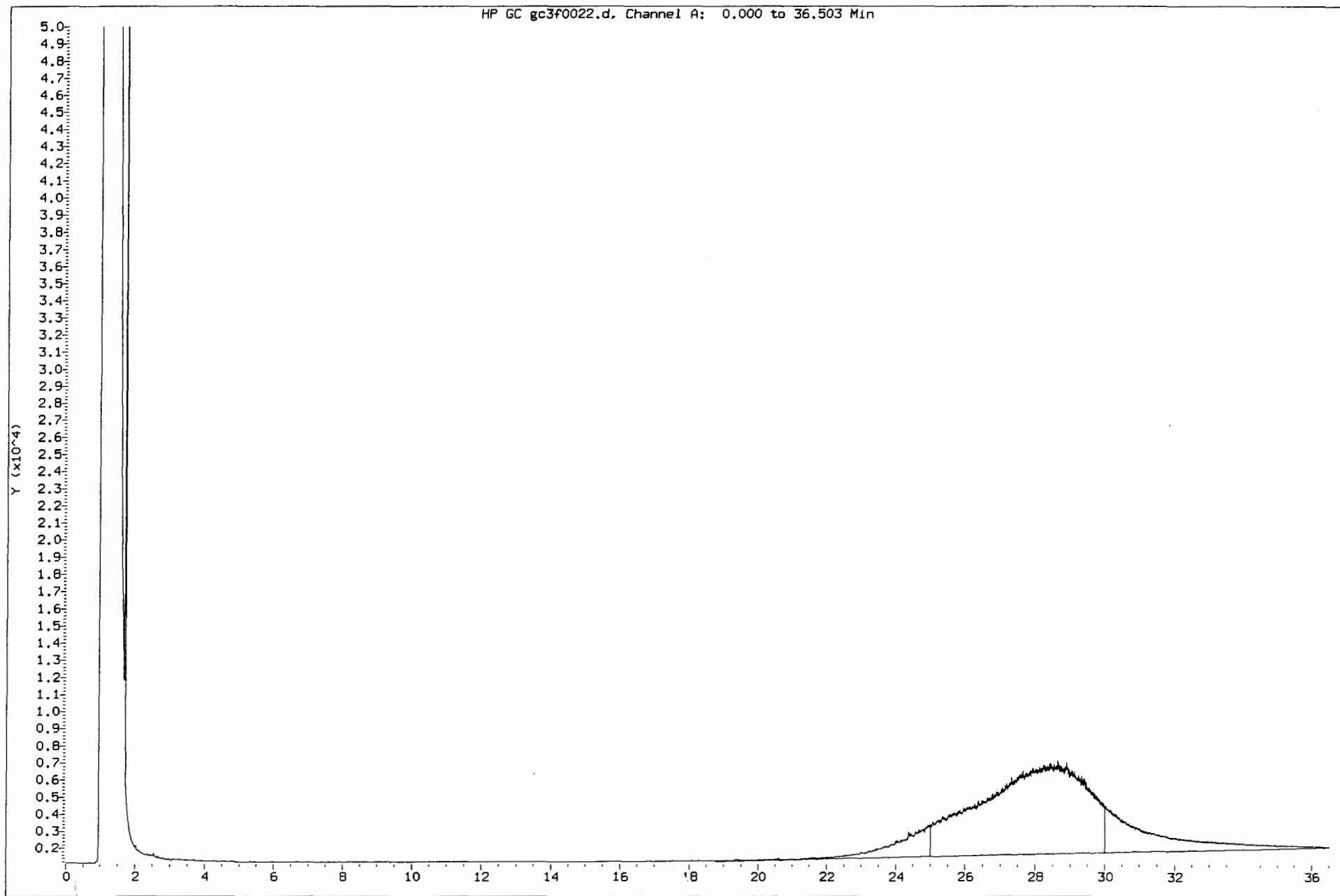
Page 2

000048



Data File: /var/chem/GC3.1/1114d.b/gc3f0022.d
Injection Date: 15-NOV-2000 03:52
Instrument: GC3.1
Client Sample ID:

000049



Data File: /var/chem/GC3.i/1114d.b/gc3f0023.d

Date : 15-NOV-2000 04:37

Client ID:

Sample Info: MOTOR OIL 500

Column phase: MXT-1

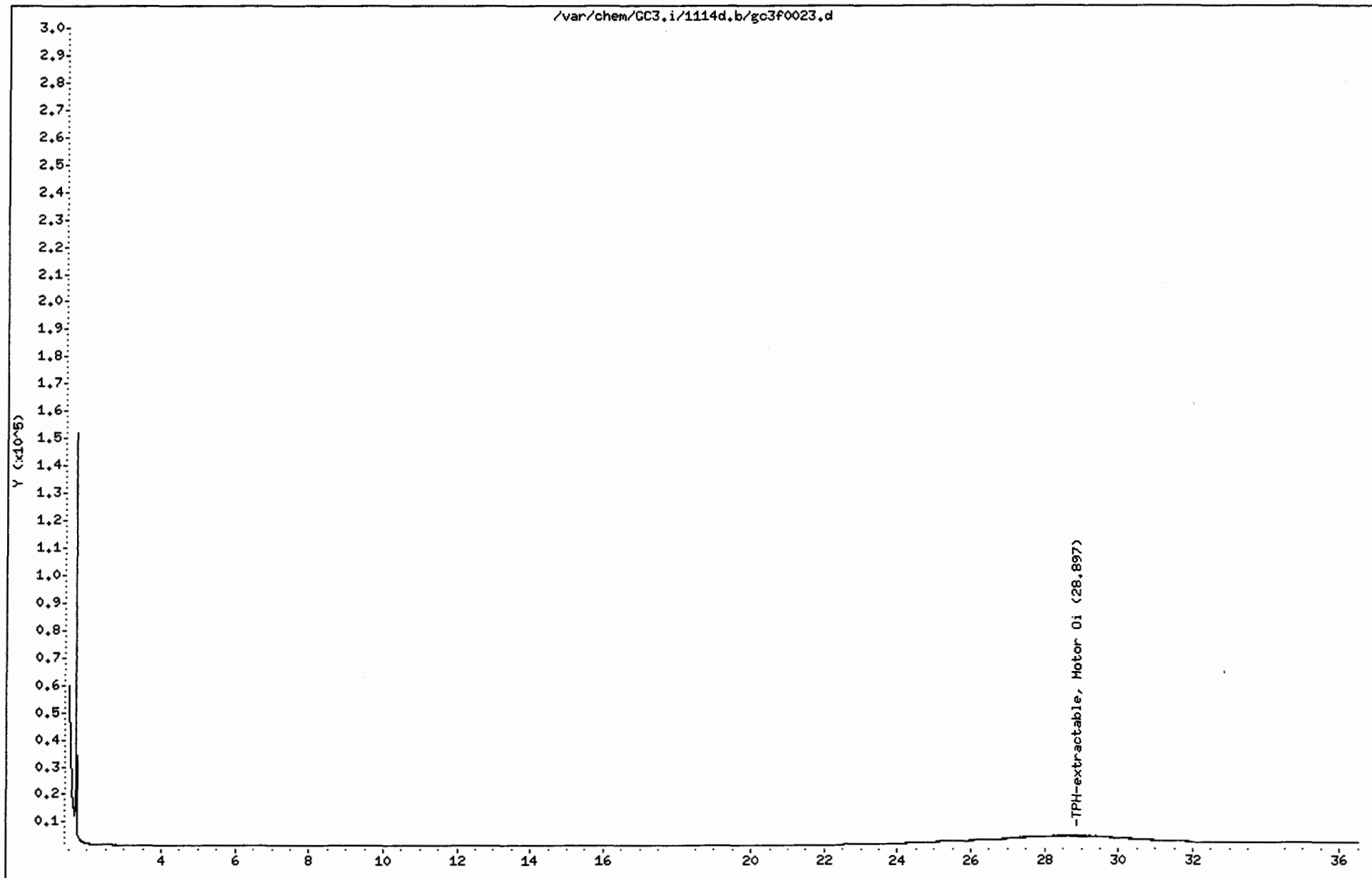
Instrument: GC3.i

Operator: NTA

Column diameter: 0,53

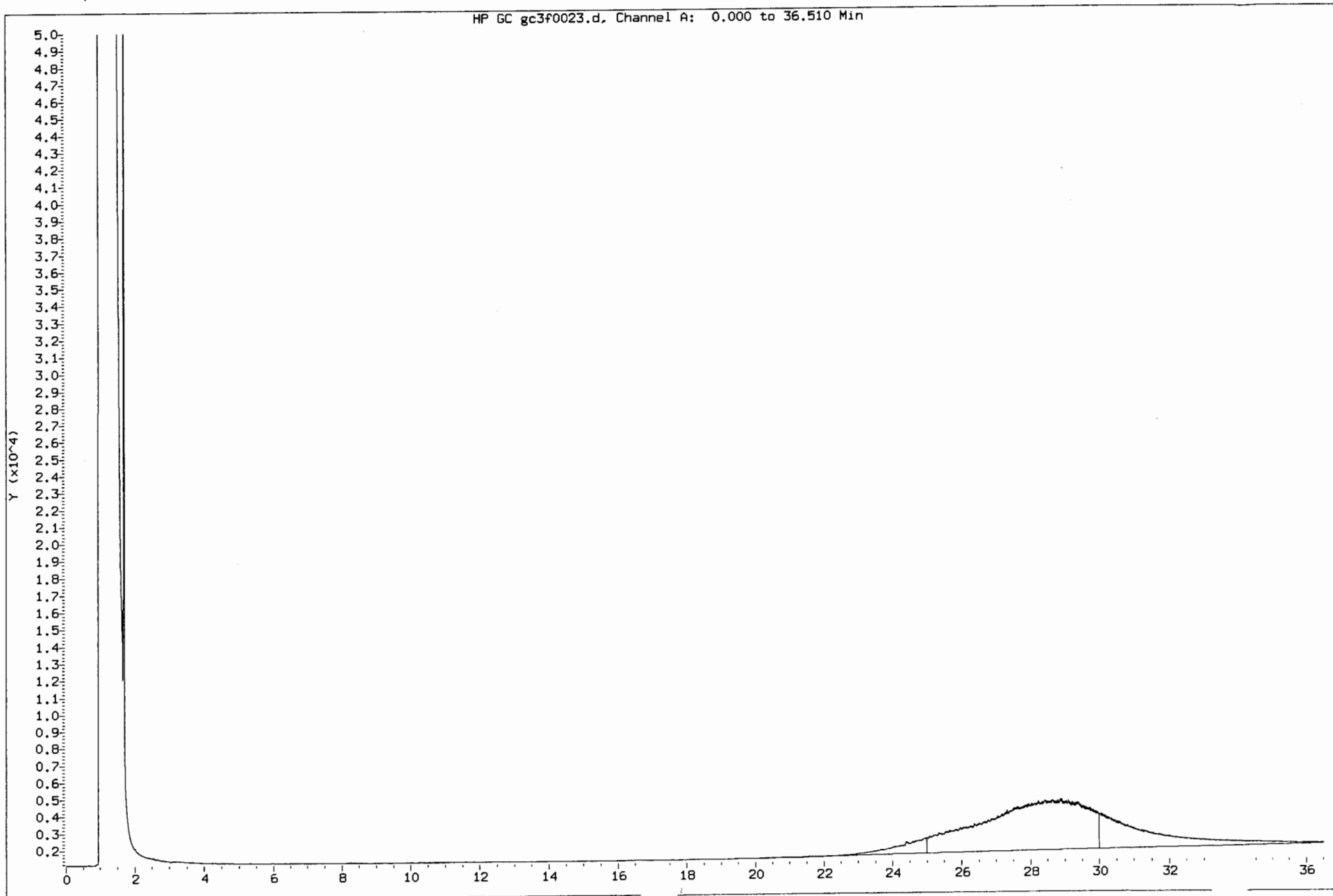
Page 2

000051



Data File: /var/chem/GC3.i/1114d.b/gc3f0023.d
Injection Date: 15-NOV-2000 04:37
Instrument: GC3.1
Client Sample ID:

000052



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1114d.b/gc3f0024.d
Lab Smp Id: MOTOR OIL 200
Inj Date : 15-NOV-2000 05:23
Operator : NTA Inst ID: GC3.i
Smp Info : MOTOR OIL 200
Misc Info : 1;3;;;;;G-041800-13;8
Comment :
Method : /var/chem/GC3.i/1114d.b/diesel_f.m
Meth Date : 22-Nov-2000 10:48 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 17 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ug/mL)	ON-COL (ug/mL)
=====	==	=====	=====	=====	=====	
1 TPH-extractable, Diesel				Compound Not Detected.		
2 TPH-extractable, Motor Oil	28.890	28.890	0.000	1339180	200.000	260(M)
3 o-Terphenyl				Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3,i/1114d,b/gc3f0024,d

Date : 15-NOV-2000 05:23

Client ID:

Instrument: GC3,i

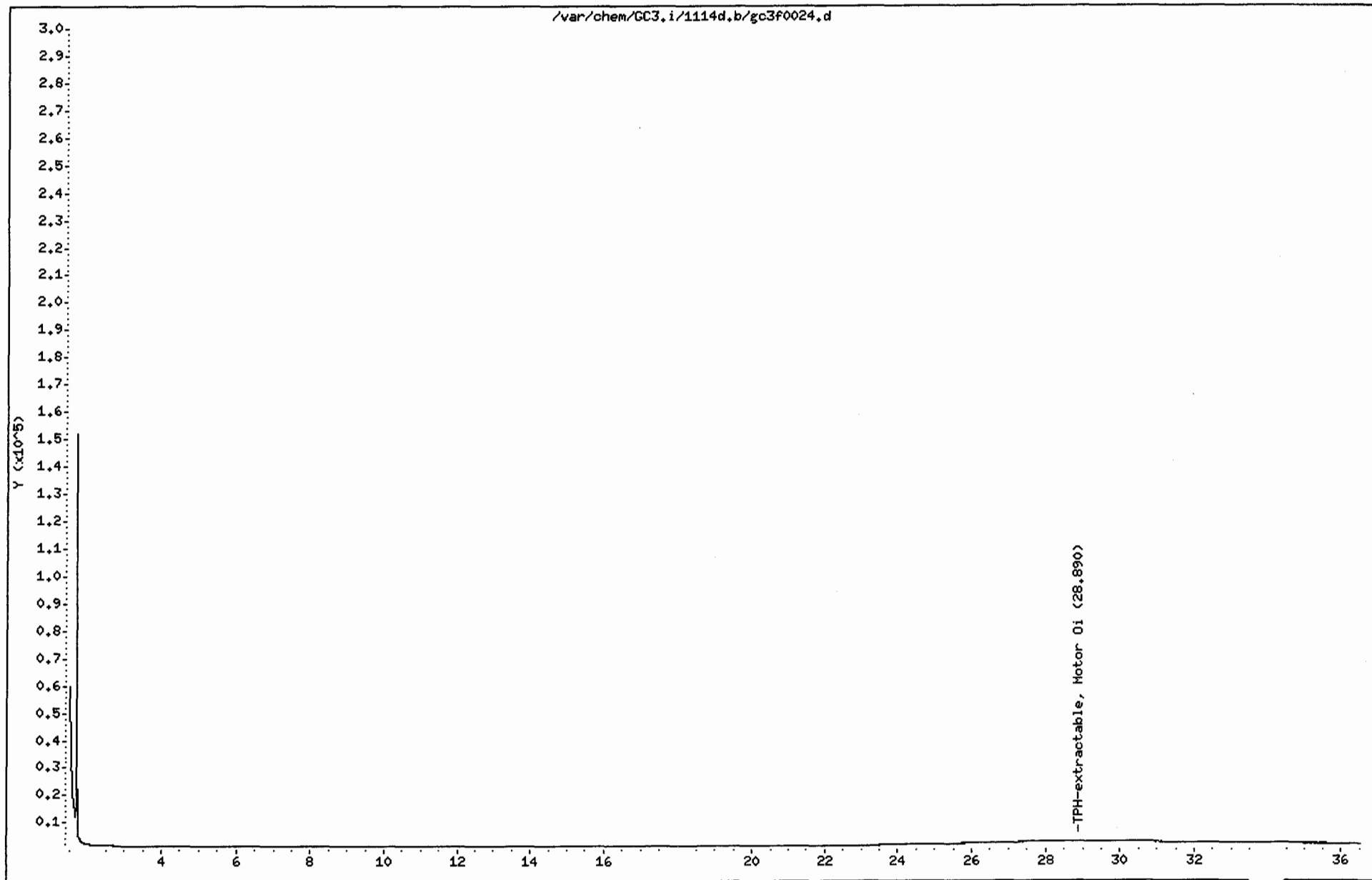
Sample Info: MOTOR OIL 200

Operator: NTA

Column phase: MXT-1

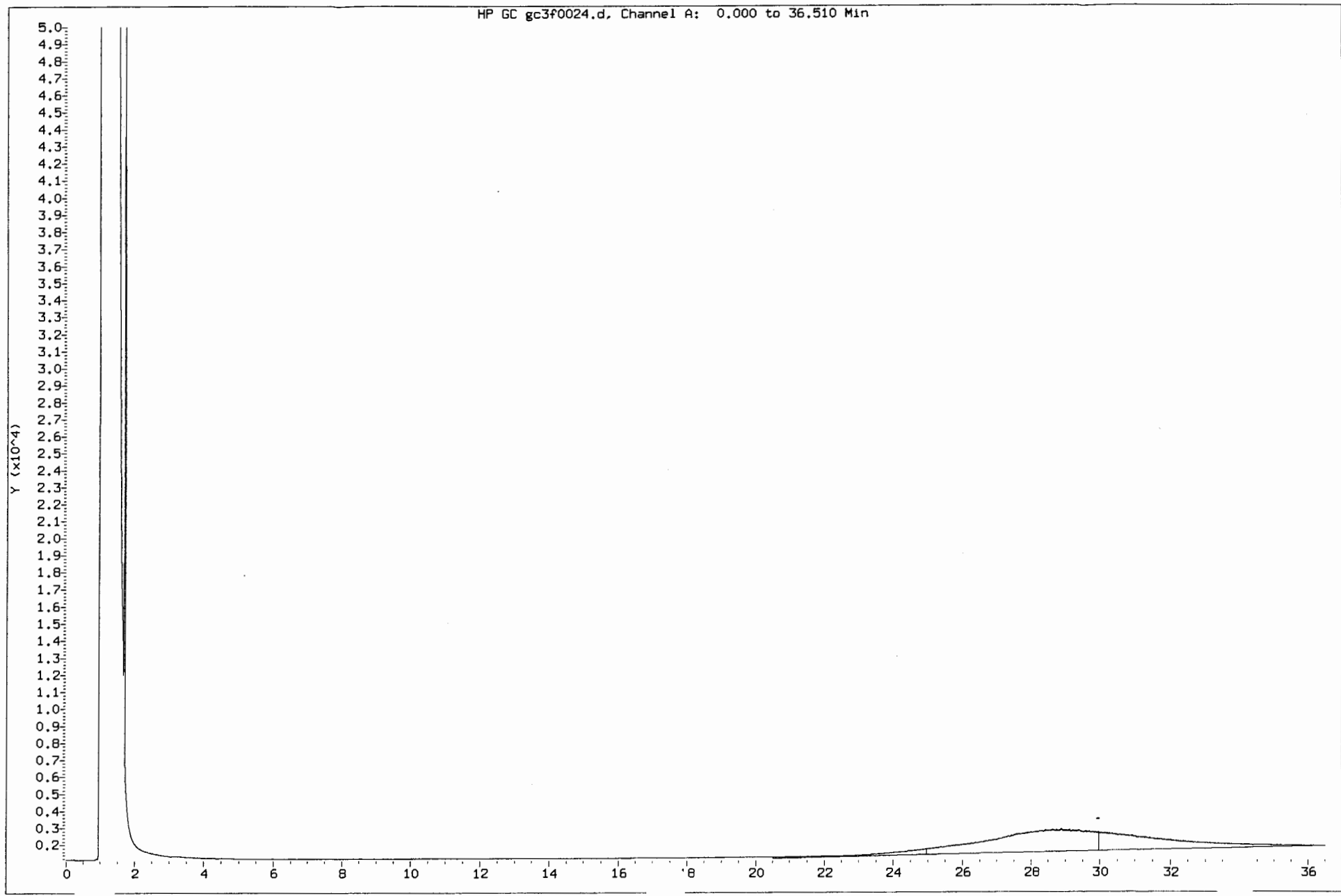
Column diameter: 0.53

000054



Data File: /var/chem/GC3.1/1114d.b/gc3f0024.d
Injection Date: 15-NDV-2000 05:23
Instrument: GC3.1
Client Sample ID:

000055



Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
gc3f0001.d	03-NOV-2000 09:12	MeCL2	1103d	NONE	all	
gc3f0002.d	03-NOV-2000 09:50	MeCL2	1103d	NONE	all	
gc3f0003.d	03-NOV-2000 10:38	ALKANE MIX	G-050500-5	NONE	all	not used
gc3f0004.d	03-NOV-2000 11:25	DIESEL 1000/100	G-102400-13	NONE	all	pass
gc3f0005.d	03-NOV-2000 12:30	ALKANE MIX	G-050500-5	NONE	all	
gc3f0006.d	03-NOV-2000 13:09	MB1-T000315	T000315TPH	SOIL	all	
gc3f0007.d	03-NOV-2000 13:56	MB2-T000315	T000315TPH	SOIL	all	
gc3f0008.d	03-NOV-2000 14:43	A100547-16-L1	T000315TPH	SOIL	all	
gc3f0009.d	03-NOV-2000 15:30	A100547-16-L2	T000315TPH	SOIL	all	
gc3f0010.d	03-NOV-2000 16:17	A100547-16-S1	T000315TPH	SOIL	all	
gc3f0011.d	03-NOV-2000 17:05	A100547-16-S2	T000315TPH	SOIL	all	
gc3f0012.d	03-NOV-2000 17:52	A100547-12 ; 2x	T000315TPH	SOIL	all	
gc3f0013.d	03-NOV-2000 18:38	A100547-13 ; 2x	T000315TPH	SOIL	all	
gc3f0014.d	03-NOV-2000 19:25	A100547-14	T000315TPH	SOIL	all	
gc3f0015.d	03-NOV-2000 20:12	A100547-15	T000315TPH	SOIL	all	
gc3f0016.d	03-NOV-2000 20:58	DIESEL 1000/100	G-102400-13	NONE	all	pass
gc3f0017.d	03-NOV-2000 21:45	DIESEL 1000/100	G-102400-13	NONE	all	Diesel High
gc3f0018.d	03-NOV-2000 22:32	A100547-16	T000315TPH	SOIL	all	
gc3f0019.d	03-NOV-2000 23:18	A100741-3	T000315TPH	SOIL	all	
gc3f0020.d	04-NOV-2000 00:04	A100741-3 ; 5x	T000315TPH	SOIL	all	
gc3f0021.d	04-NOV-2000 00:50	A100791-1	T000315TPH	SOIL	all	Run 20x
gc3f0022.d	04-NOV-2000 01:36	A100791-1 ; 5x	T000315TPH	SOIL	all	
gc3f0023.d	04-NOV-2000 02:22	A100547-12-S0	T000318TPH	SOIL	all	
gc3f0024.d	04-NOV-2000 03:08	A100547-12-L1	T000318TPH	SOIL	all	

COLUMNS: DB - 5 MS METHODS: Diesel - F ISTD: N/A
 OPERATOR: NTA

Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
gc3f0025.d	04-NOV-2000 03:54	A100547-12-L2	T000318TPH	SOIL	all	
gc3f0026.d	04-NOV-2000 04:40	A100547-12R 12X	T000318TPH	SOIL	all	
gc3f0027.d	04-NOV-2000 05:25	DIESEL 1000/100	G-102400-13	NONE	all	PASS
gc3f0028.d	04-NOV-2000 06:12	DIESEL 1000/100	G-102400-13	NONE	all	↓

COLUMNS: DB-5MS METHODS: Diesel-F ISTD: N/A
 OPERATOR: NTA

Sequence Comments: _____

Data File: /var/chem/GC3.i/1103d.b/gc3f0004.d
 Report Date: 17-Nov-2000 09:17

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Caltest Analytical Laboratory

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: GC3.i Injection Date: 03-NOV-2000 11:25
 Lab File ID: gc3f0004.d Init. Cal. Date(s): 29-AUG-2000 30-AUG-2000
 Analysis Type: Init. Cal. Times: 18:19 05:16
 Lab Sample ID: DIESEL 1000/100 Quant Type: ESTD
 Method: /var/chem/GC3.i/1103d.b/diesel_f.m

COMPOUND	RRF / AMOUNT	RF1000	CCAL		MIN		MAX		CURVE TYPE
			RRF1000	RRF	%D	%DRIFT	%D	%DRIFT	
1 TPH-extractable, Diesel	887	1000	11055	0.000	11.3	15.0	Quadratic		
\$ 3 o-Terphenyl	97.86261	100	16807	0.000	2.1	15.0	Quadratic		

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0004.d
Lab Smp Id: DIESEL 1000/100
Inj Date : 03-NOV-2000 11:25
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 1000/100
Misc Info : 2;3; ; ; ; ; G-102400-13;5
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	16.887	19.500	-2.613	11055454	1000.00	887(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
3 o-Terphenyl	21.500	21.550	-0.050	1680678	100.000	97.9(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1103d,b/gc3f0004.d

Date : 03-NOV-2000 11:25

Client ID:

Sample Info: DIESEL 1000/100

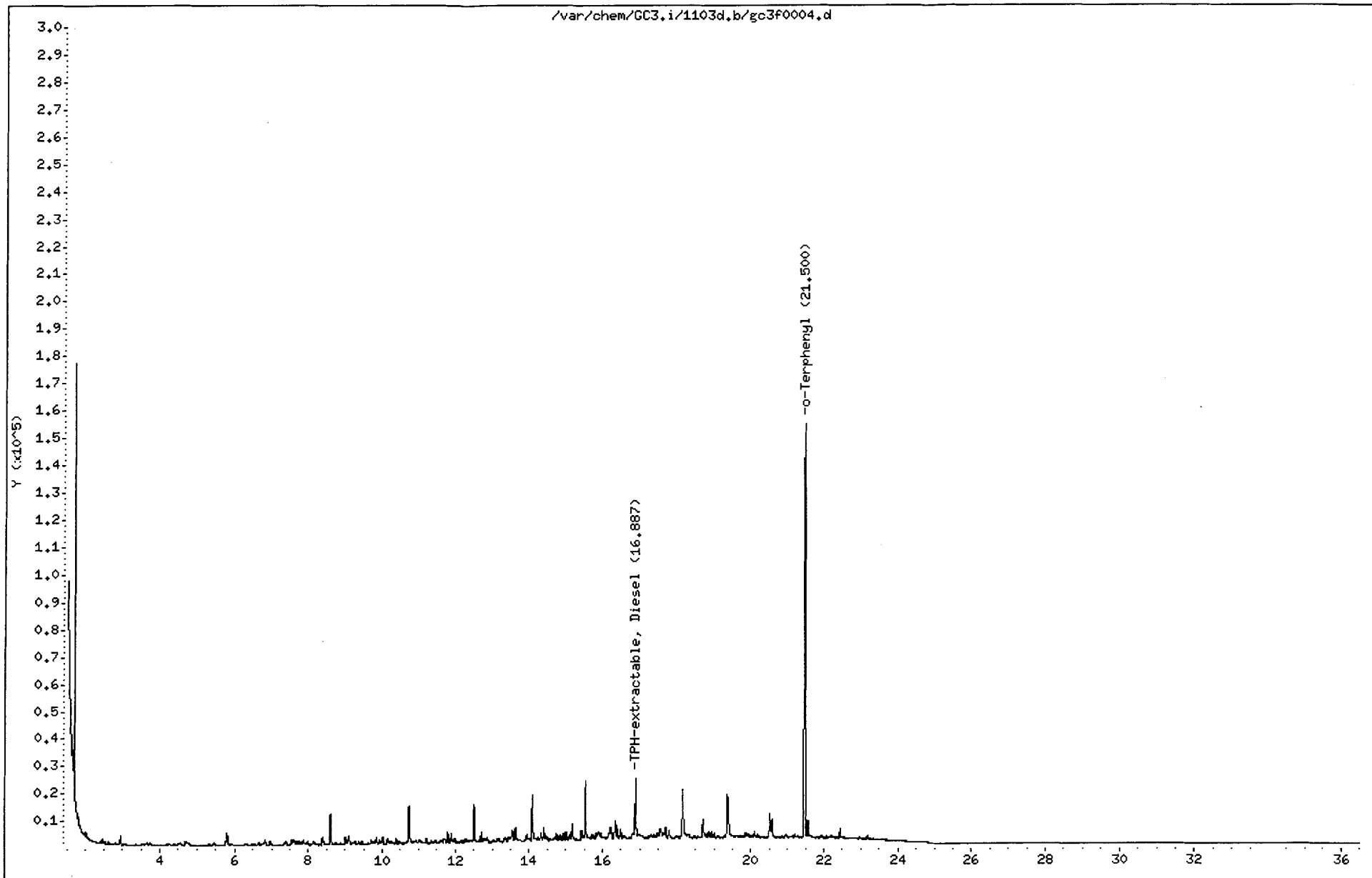
Column phase: MXT-1

Instrument: GC3.i

Operator: NTA

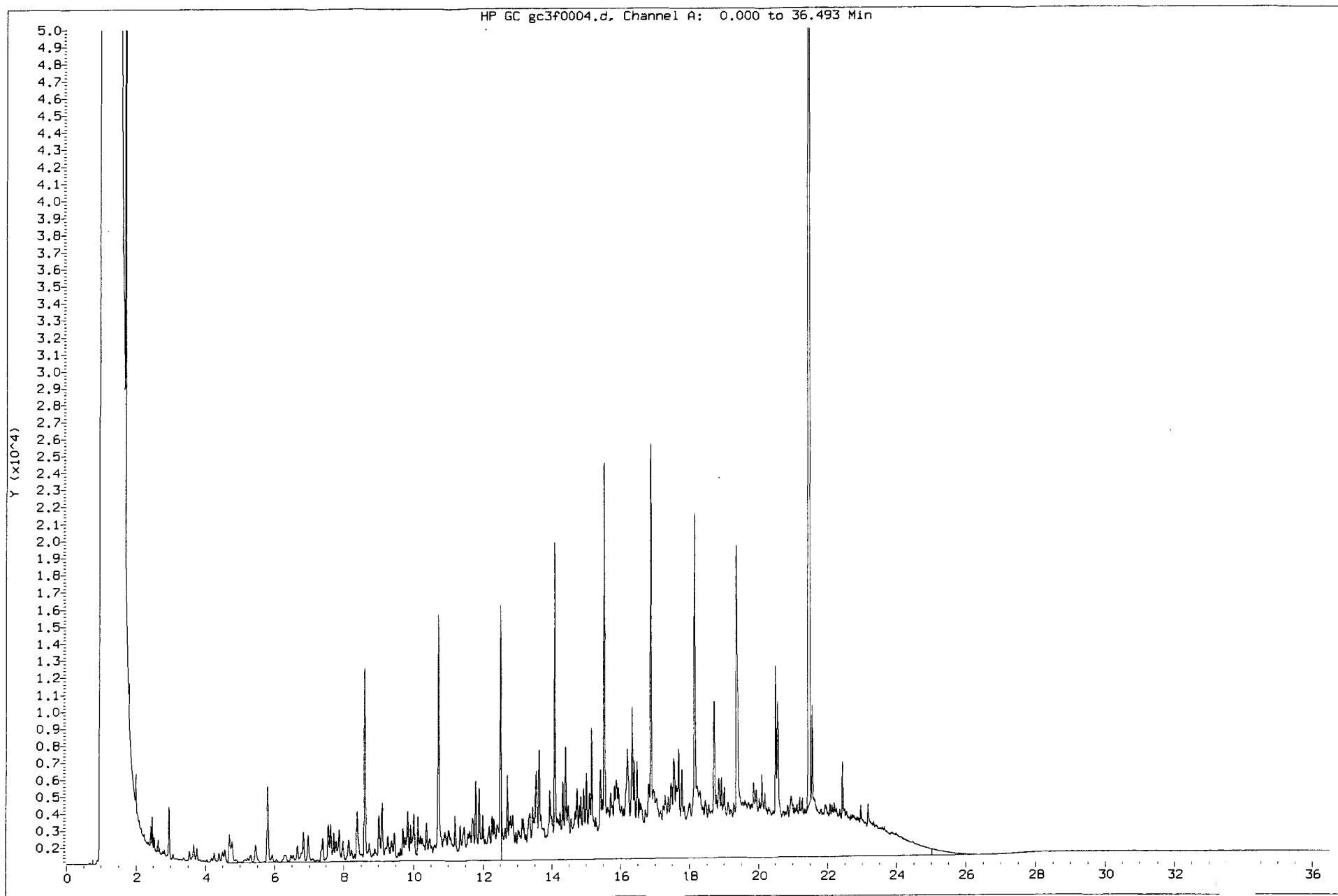
Column diameter: 0.53

000060



Data File: /var/chem/GC3.1/1103d.b/gc3f0004.d
Injection Date: 03-NOV-2000 11:25
Instrument: GC3.i
Client Sample ID:

000061



Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100741-1-S0;S0
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: BLANK
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.3	95.02	40-140

000063

Data File: /var/chem/GC3.i/1103d.b/gc3f0006.d

Date : 03-NOV-2000 13:09

Client ID:

Sample Info: MB1-T000315

Column phase: HXT-1

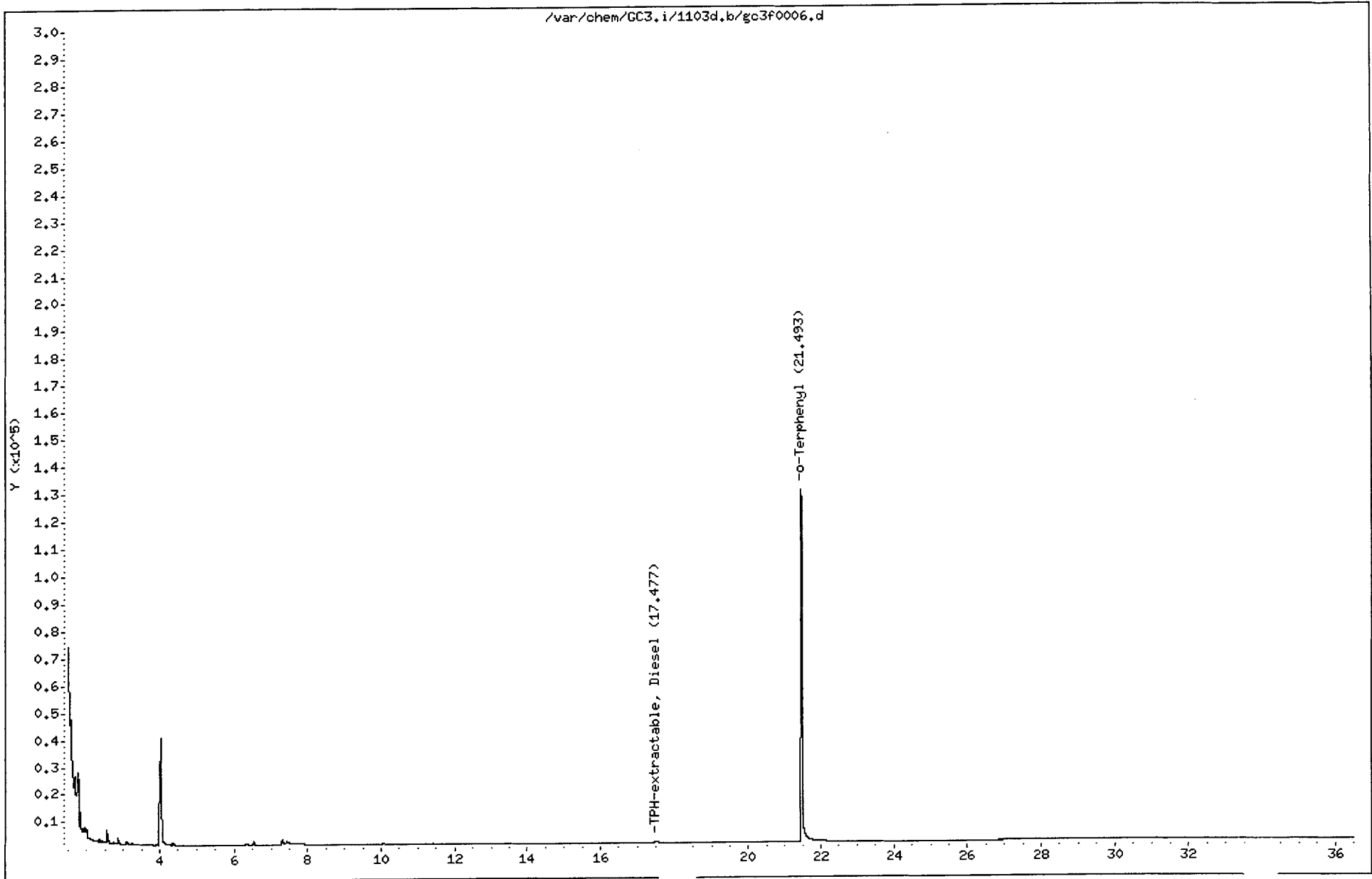
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

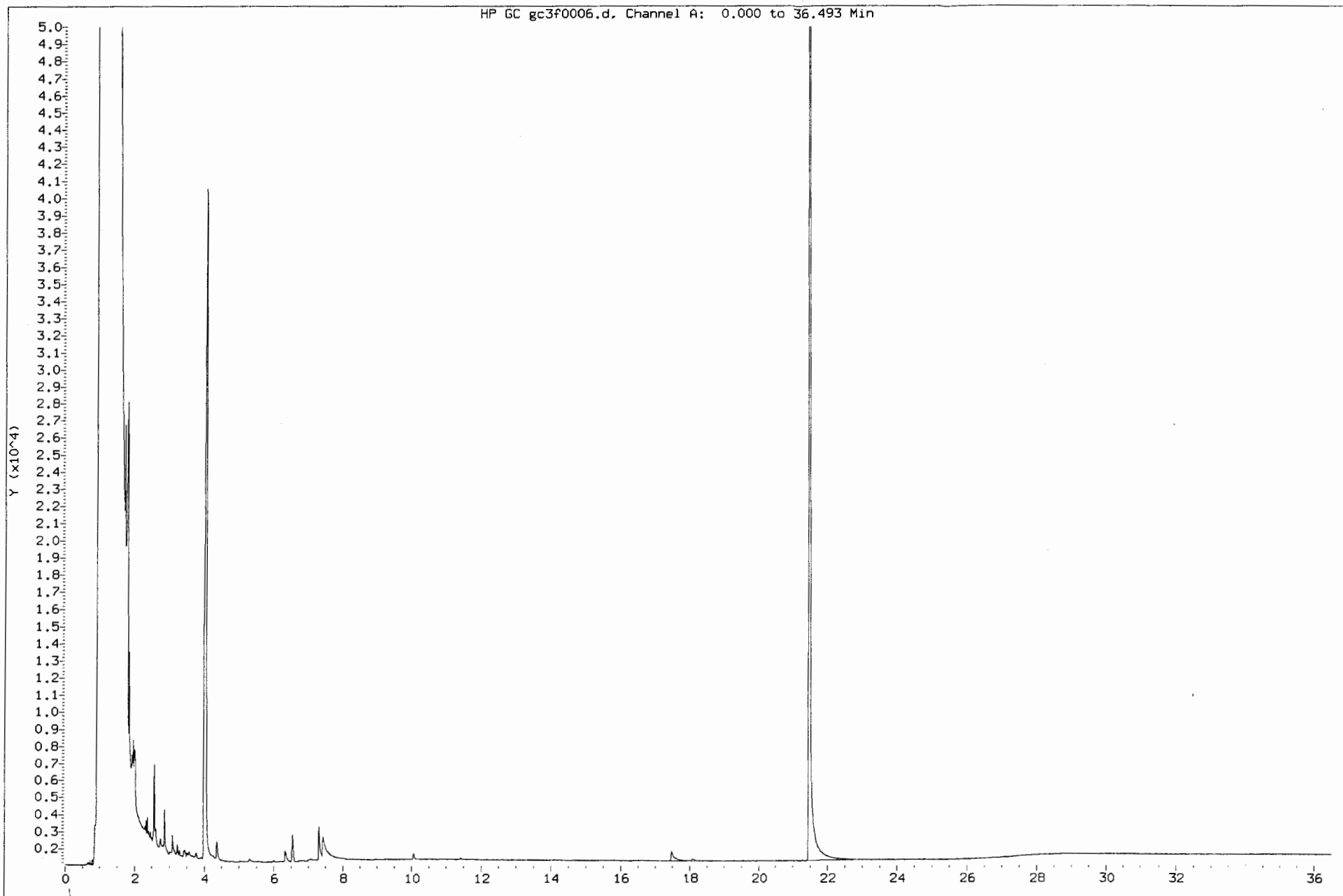
Page 3

000064



Data File: /var/chem/GC3.i/1103d.b/gc3f0006.d
Injection Date: 03-NDV-2000 13:09
Instrument: GC3.i
Client Sample ID:

000065



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0007.d
Lab Smp Id: A100547-16-S0;S0
Inj Date : 03-NOV-2000 13:56
Operator : NTA Inst ID: GC3.i
Smp Info : MB2-T000315
Misc Info : 3;2;;30;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 5 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	17.487	19.500	-2.013	23143	38.9002	2.6(M)
2 TPH-extractable, Motor Oil				Compound Not Detected.		
\$ 3 o-Terphenyl	21.497	21.550	-0.053	1707157	99.3844	6.6(M)

QC Flag Legend

M - Compound response manually integrated.

000066

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16-S0;S0
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: BLANK
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.6	99.38	40-140

Data File: /var/chem/GC3.i/1103d.b/gc3f0007.d

Date : 03-NOV-2000 13:56

Client ID:

Sample Info: MB2-T000315

Column phase: MXT-1

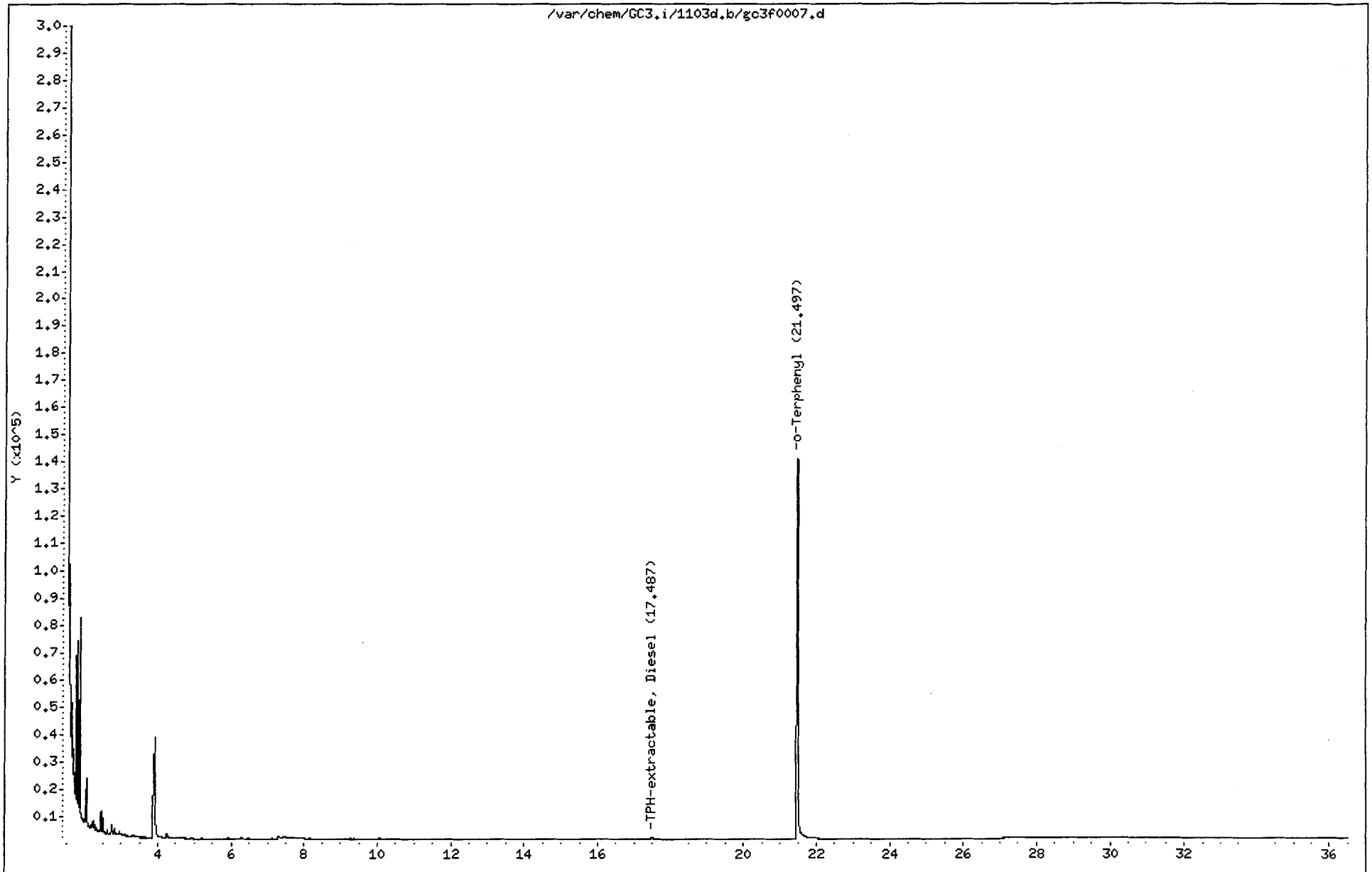
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

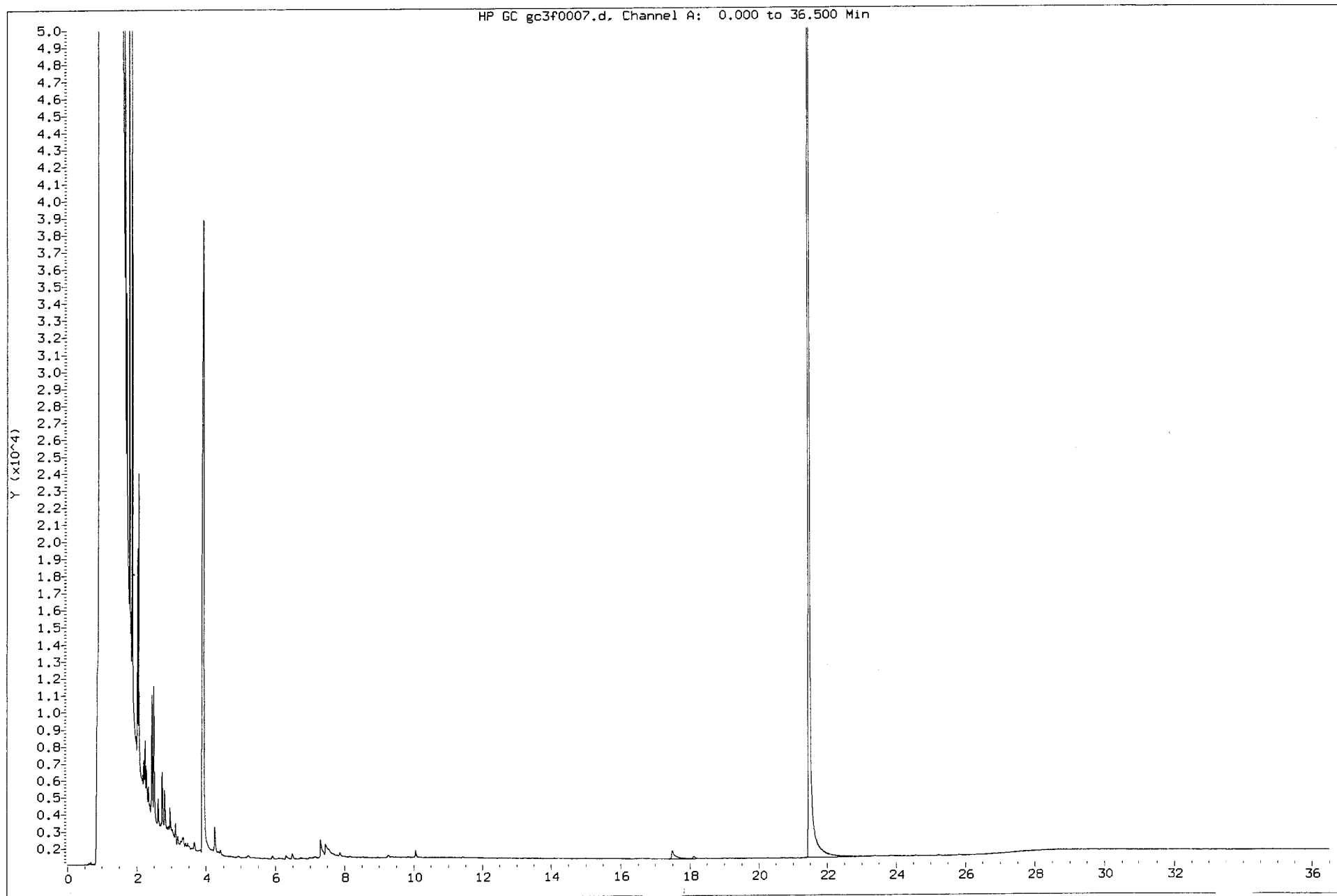
Page 3

000068



Data File: /var/chem/GC3.1/1103d.b/gc3f0007.d
Injection Date: 03-NOV-2000 13:56
Instrument: GC3.1
Client Sample ID:

000000



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0008.d
Lab Smp Id: A100547-16-L1
Inj Date : 03-NOV-2000 14:43
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-16-L1;L1
Misc Info : 3;2;;30;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 6 QC Sample: L1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	19.377	19.500	-0.123	12639645	1008.47	67.2(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
\$ 3 o-Terphenyl	21.510	21.550	-0.040	1680216	97.8360	6.5(M)

QC Flag Legend

M - Compound response manually integrated.

000070

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16-L1
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: L1
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000315TPH

SPIKE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
1 TPH-extractable, D	66.7	67.2	100.85	40-140

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.5	97.84	40-140

Data File: /var/chem/GC3.i/1103d.b/gc3f0008.d

Date : 03-NOV-2000 14:43

Client ID:

Sample Info: A100547-16-L1;L1

Column phase: MXT-1

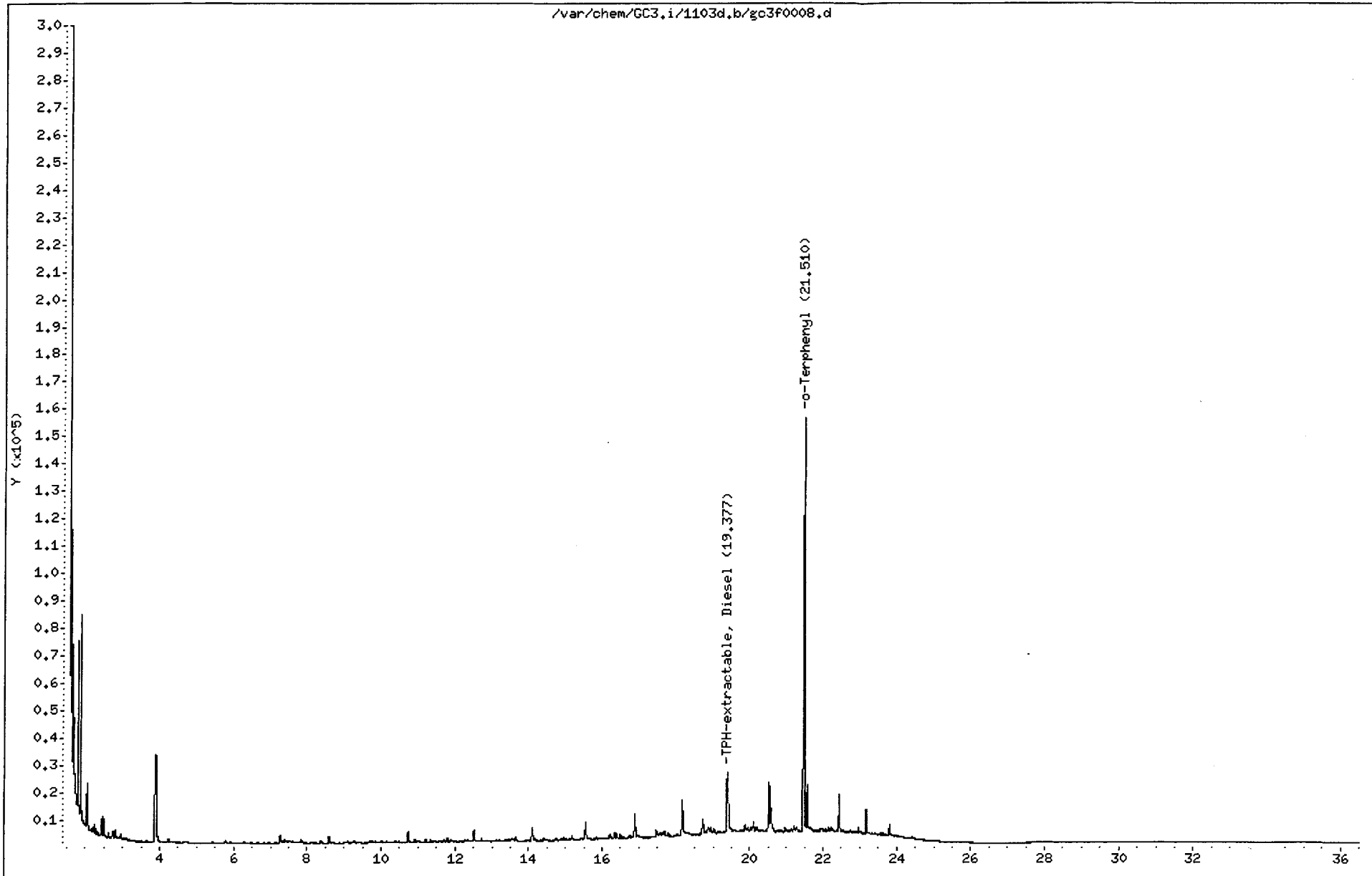
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

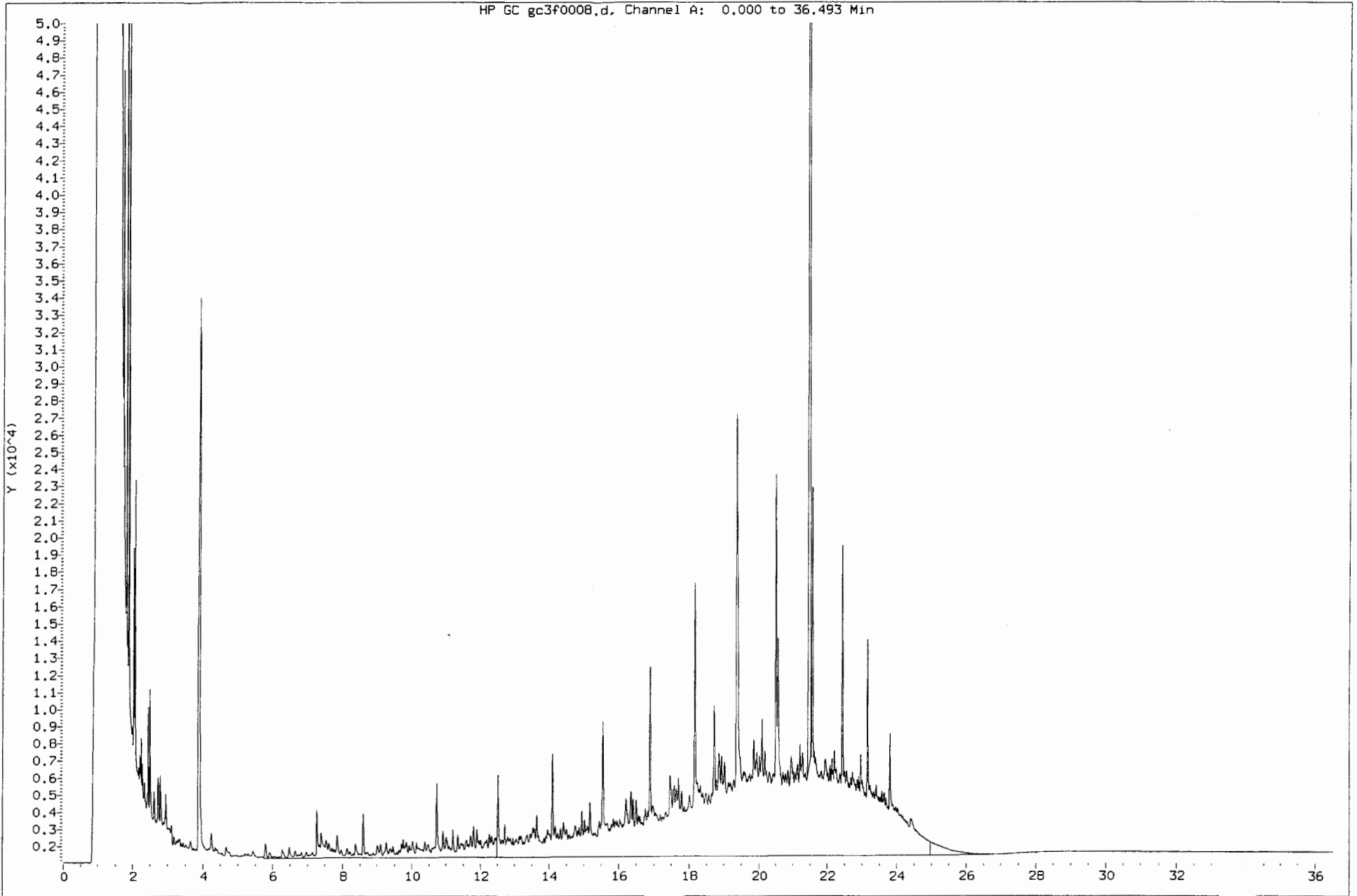
Page 3

000072



Data File: /var/chem/GC3.i/1103d.b/gc3f0008.d
Injection Date: 03-NOV-2000 14:43
Instrument: GC3.i
Client Sample ID:

000073



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0009.d
 Lab Smp Id: A100547-16-L2
 Inj Date : 03-NOV-2000 15:30
 Operator : NTA Inst ID: GC3.i
 Smp Info : A100547-16-L2;L2
 Misc Info : 3;2;;30;2;1;T000315TPH
 Comment :
 Method : /var/chem/GC3.i/1103d.b/diesel_f.m
 Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
 Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
 Als bottle: 7 QC Sample: L2
 Dil Factor: 1.00000
 Integrator: HP Genie Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	19.370	19.500	-0.130	12002314	959.565	64.0(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
\$ 3 o-Terphenyl	21.503	21.550	-0.047	1634673	95.2161	6.3(M)

QC Flag Legend

M - Compound response manually integrated.

000074

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16-L2
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: L2
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000315TPH

SPIKE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
1 TPH-extractable, D	66.7	64.0	95.96	40-140

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.3	95.22	40-140

Data File: /var/chem/GC3.i/1103d,b/gc3f0009.d

Date : 03-NOV-2000 15:30

Client ID:

Sample Info: A100547-16-L2;L2

Column phase: HXT-1

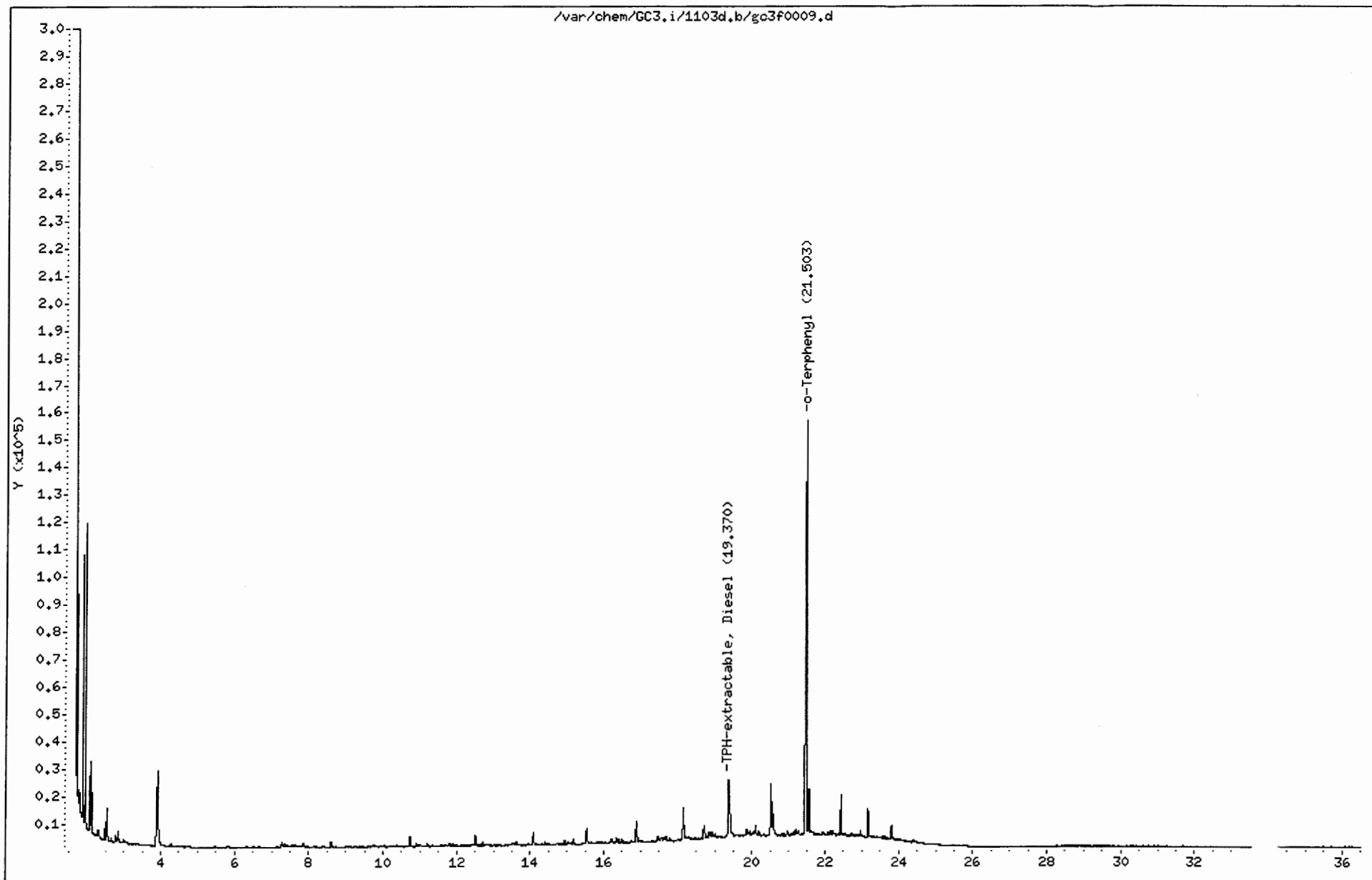
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

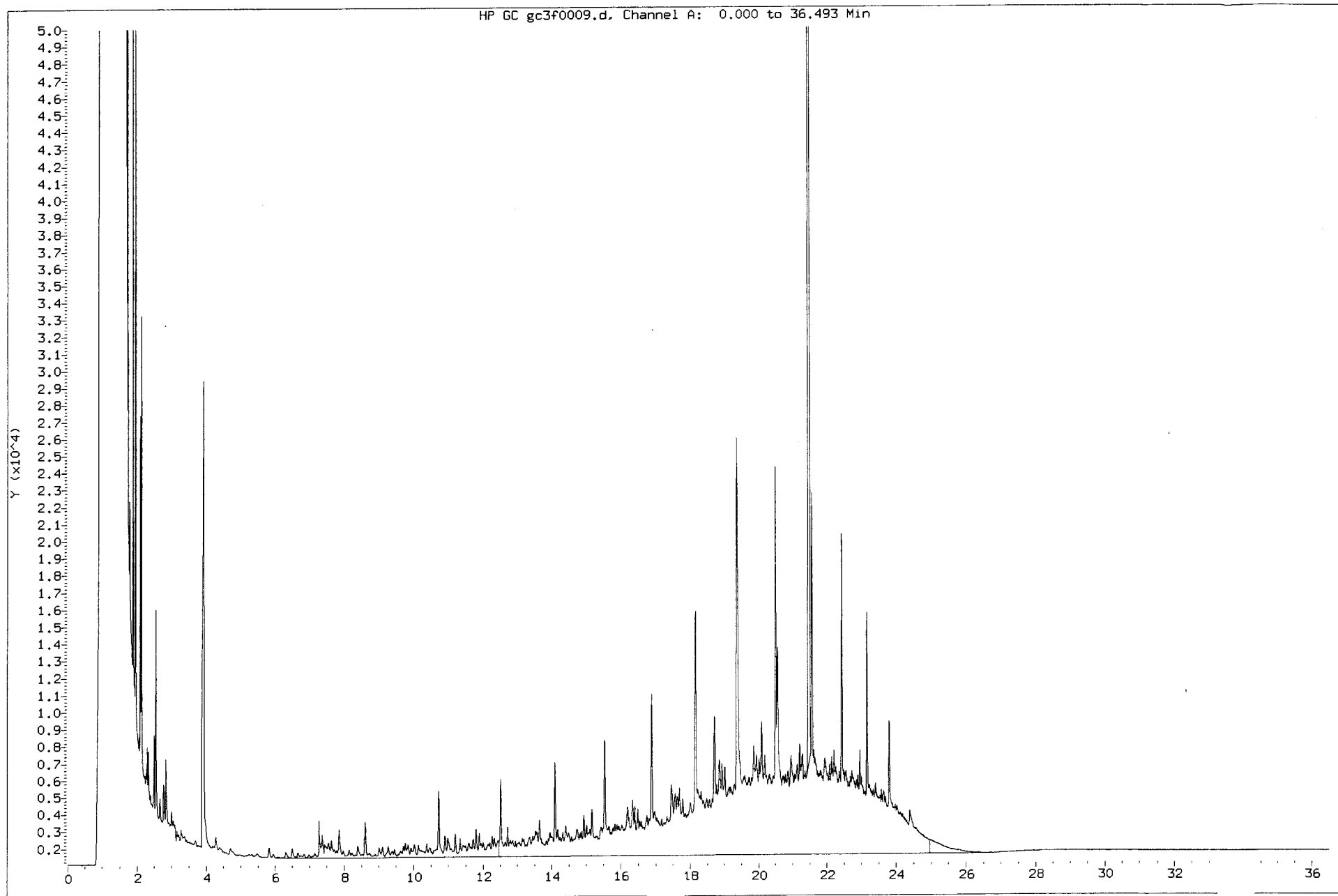
Page 3

000076



Data File: /var/chem/GC3.i/1103d.b/gc3f0009.d
Injection Date: 03-NOV-2000 15:30
Instrument: GC3.i
Client Sample ID:

000077



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0010.d
Lab Smp Id: A100547-16-S1
Inj Date : 03-NOV-2000 16:17
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-16-S1;S1
Misc Info : 3;2;;30;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 8 QC Sample: S1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	19.370	19.500	-0.130	13225494	1053.42	70.2(M)
2 TPH-extractable, Motor Oil	27.023	28.980	-1.957	2760403	406.625	27.1(M)
\$ 3 o-Terphenyl	21.503	21.550	-0.047	1712492	99.6908	6.6(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16-S1
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: S1
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000315TPH

SPIKE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
1 TPH-extractable, D	66.7	70.2	105.34	40-140

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.6	99.69	40-140

000073

Data File: /var/chem/GC3.i/1103d,b/gc3f0010.d

Date : 03-NOV-2000 16:17

Client ID:

Sample Info: A100547-16-S1;S1

Column phase: MXT-1

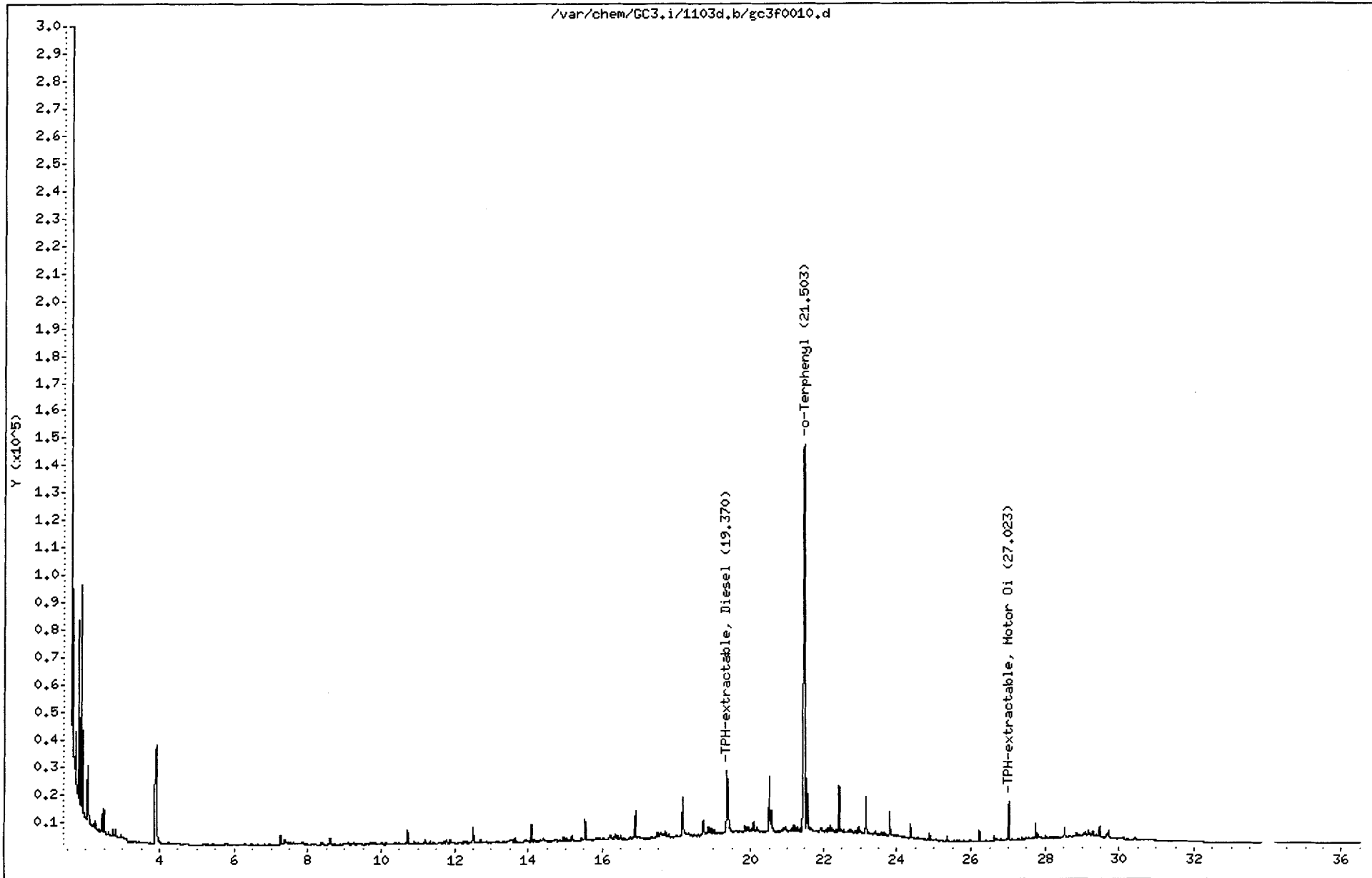
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

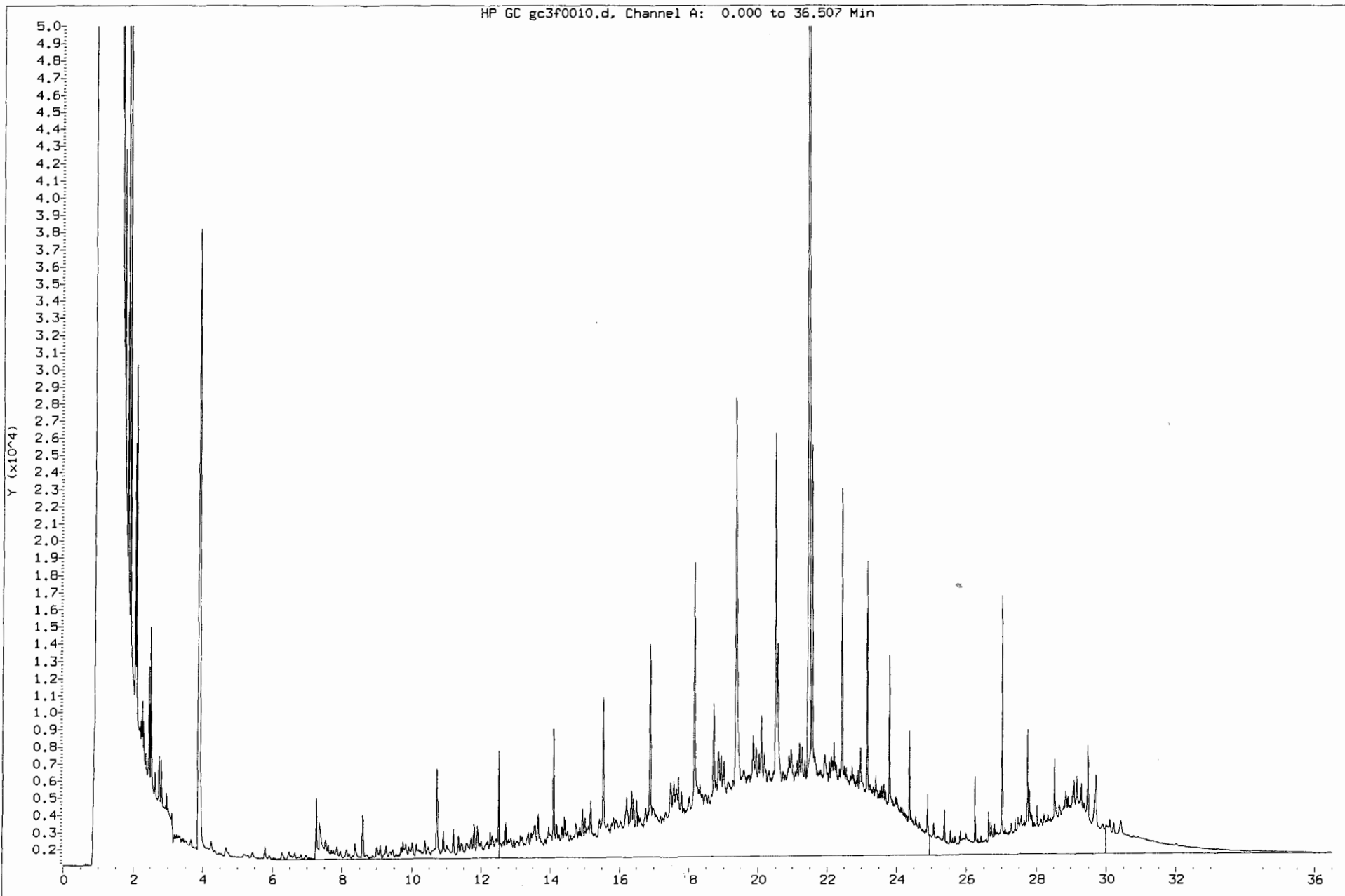
Page 3

000080



Data File: /var/chem/GC3.i/1103d.b/gc3f0010.d
Injection Date: 03-NOV-2000 16:17
Instrument: GC3.i
Client Sample ID:

000081



Report Date: 17-Nov-2000 09:17

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16-S2
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: S2
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000315TPH

SPIKE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
1 TPH-extractable, D	66.7	67.4	101.15	40-140

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.4	96.04	40-140

000083

Data File: /var/chem/GC3.i/1103d.b/gc3f0011.d

Date : 03-NOV-2000 17:05

Client ID:

Sample Info: A100547-16-S2;S2

Column phase: MXT-1

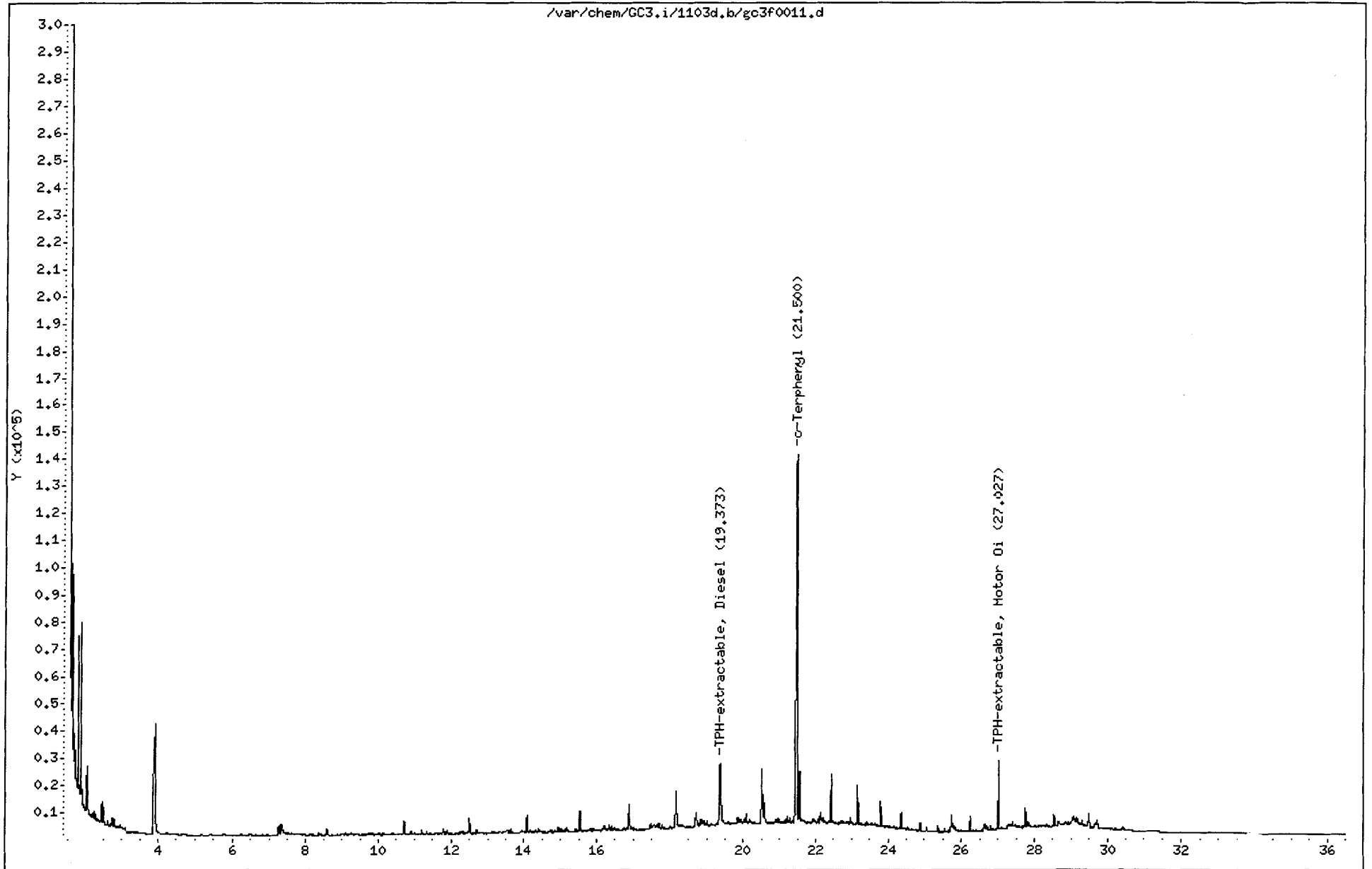
Page 3

Instrument: GC3.i

Operator: NTA

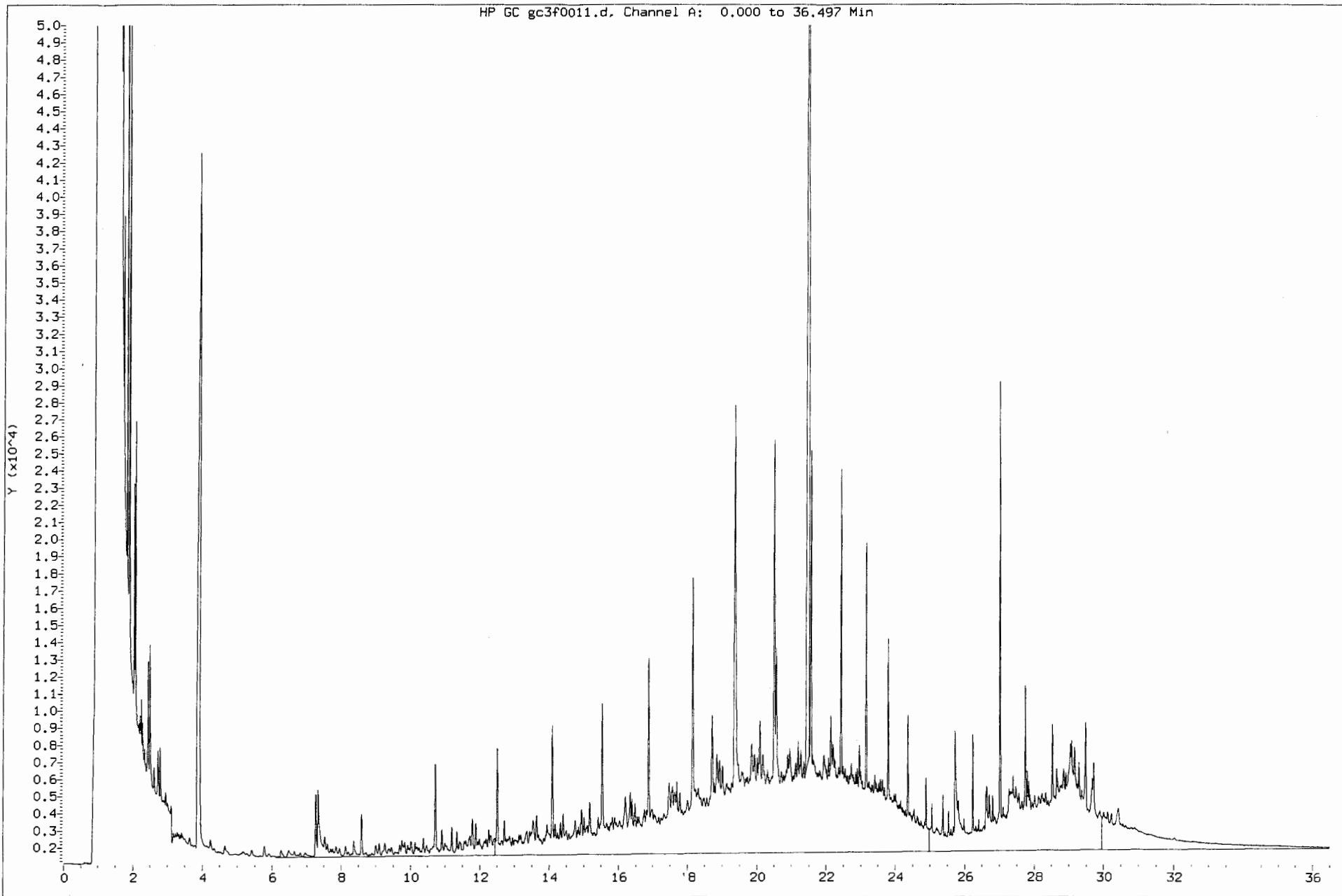
Column diameter: 0.53

000084



Data File: /var/chem/GC3.i/1103d.b/gc3f0011.d
Injection Date: 03-NOV-2000 17:05
Instrument: GC3.i
Client Sample ID:

000085



Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-12
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 0;2;;30;2;2;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	3.7	55.76	40-140

000087

Data File: /var/chem/GC3.i/1103d.b/gc3f0012.d

Date : 03-NOV-2000 17:52

Client ID:

Sample Info: A100547-12;;2X

Column phase: MXT-1

Instrument: GC3.i

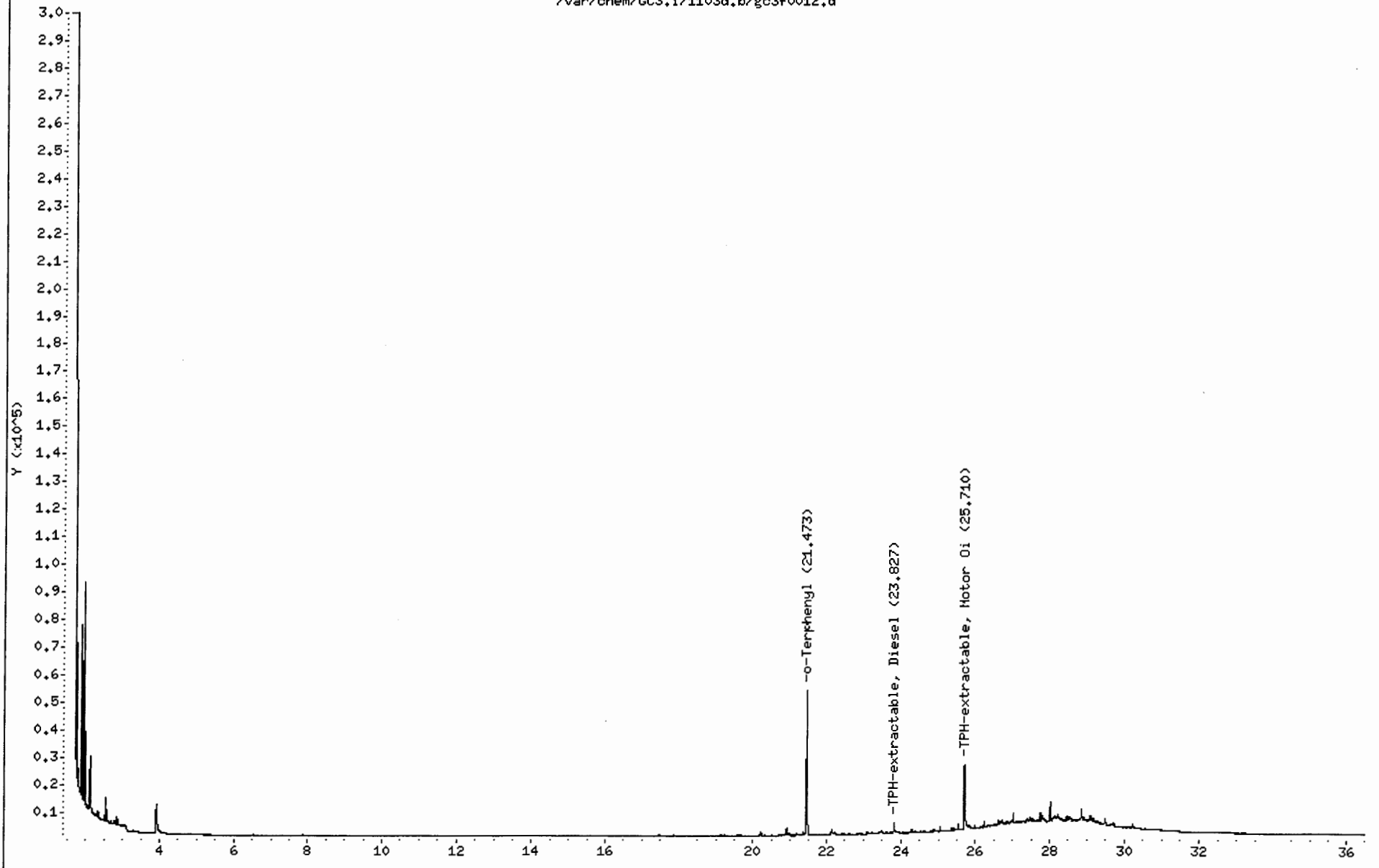
Operator: NTA

Column diameter: 0.53

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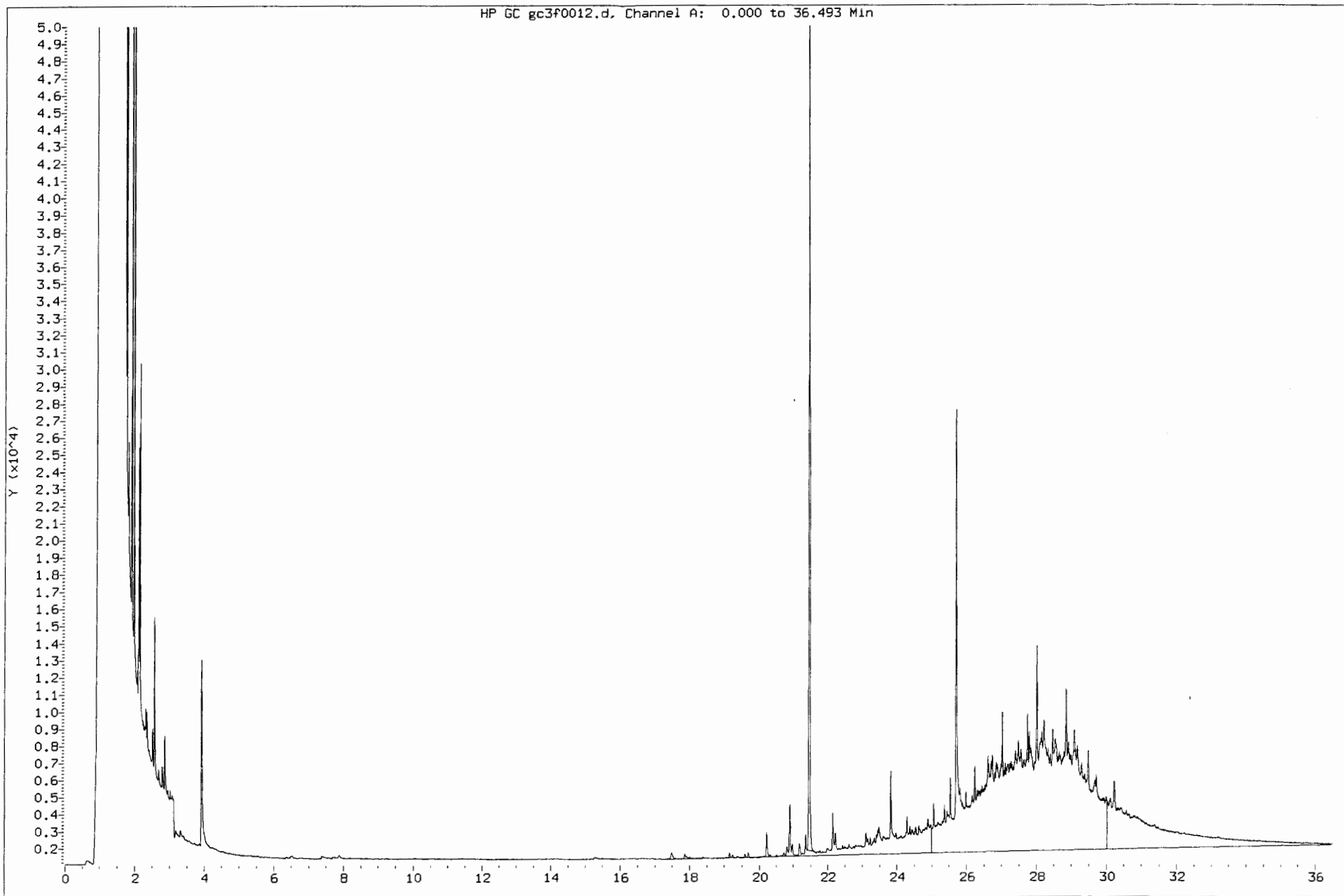
000088

/var/chem/GC3.i/1103d.b/gc3f0012.d



Data File: /var/chem/GC3.1/1103d,b/gc3f0012.d
Injection Date: 03-NOV-2000 17:52
Instrument: GC3.1
Client Sample ID:

000089



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0013.d

Lab Smp Id: A100547-13

Inj Date : 03-NOV-2000 18:38

Operator : NTA

Inst ID: GC3.i

Smp Info : A100547-13;;2X

Misc Info : 0;2;;30;2;2;T000315TPH

Comment :

Method : /var/chem/GC3.i/1103d.b/diesel_f.m

Meth Date : 06-Nov-2000 16:58 nta

Quant Type: ESTD

Cal Date : 30-AUG-2000 05:16

Cal File: gc3f0026.d

Als bottle: 11

Dil Factor: 2.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.823	19.500	4.323	3072606	273.519	36.5(M)
2 TPH-extractable, Motor Oil	25.713	28.980	-3.267	14589850	2805.50	374(M)
\$ 3 o-Terphenyl	21.477	21.550	-0.073	736571	42.8880	5.7(M)

QC Flag Legend

M - Compound response manually integrated.

000090

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-13
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 0;2;;30;2;2;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	5.7	85.78	40-140

000091

Data File: /var/chem/GC3.i/1103d,b/gc3f0013.d

Page 3

Date : 03-NOV-2000 18:38

Client ID:

Instrument: GC3.i

Sample Info: A100547-13;;2X

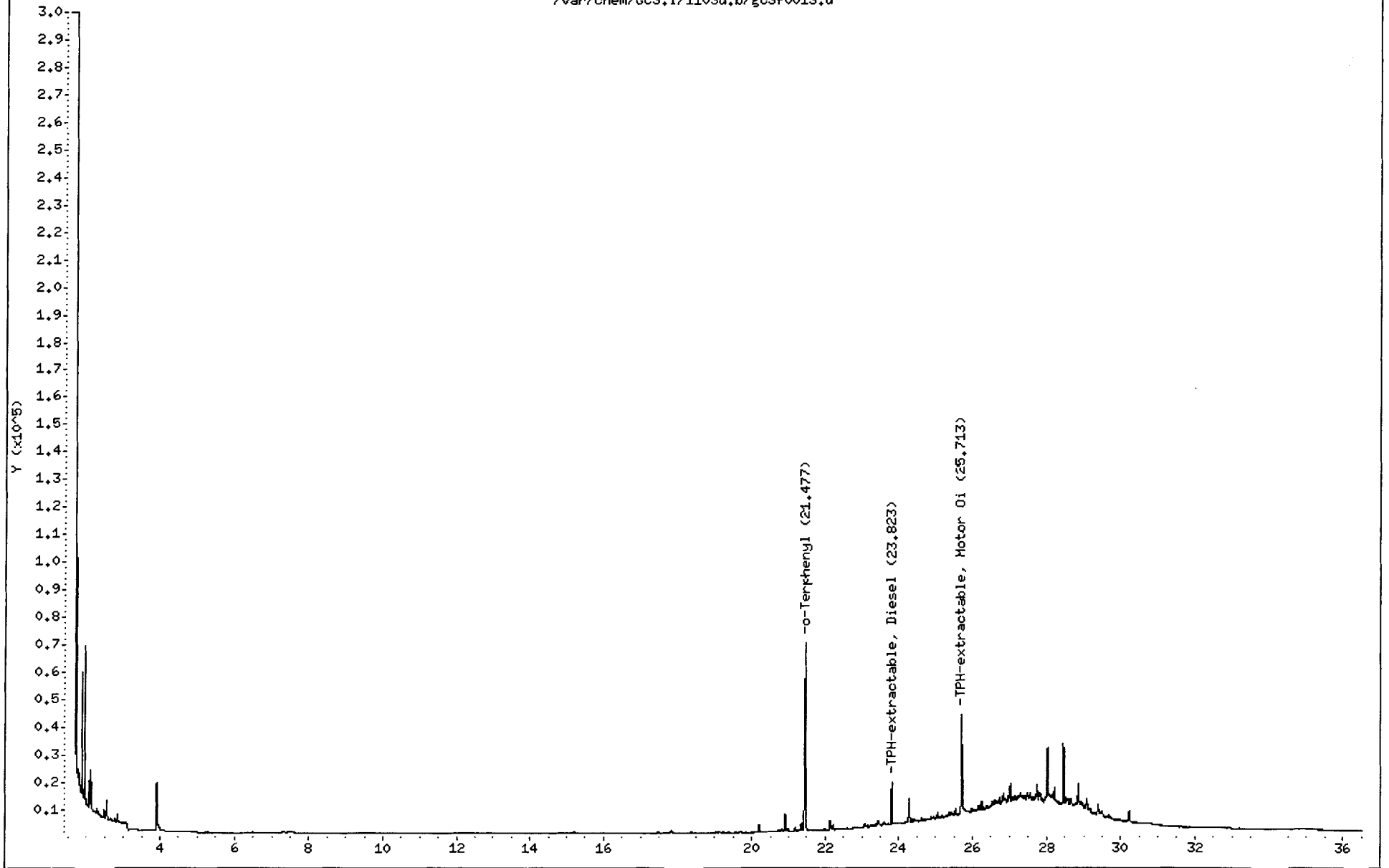
Operator: NTA

Column phase: MXT-1

Column diameter: 0.53

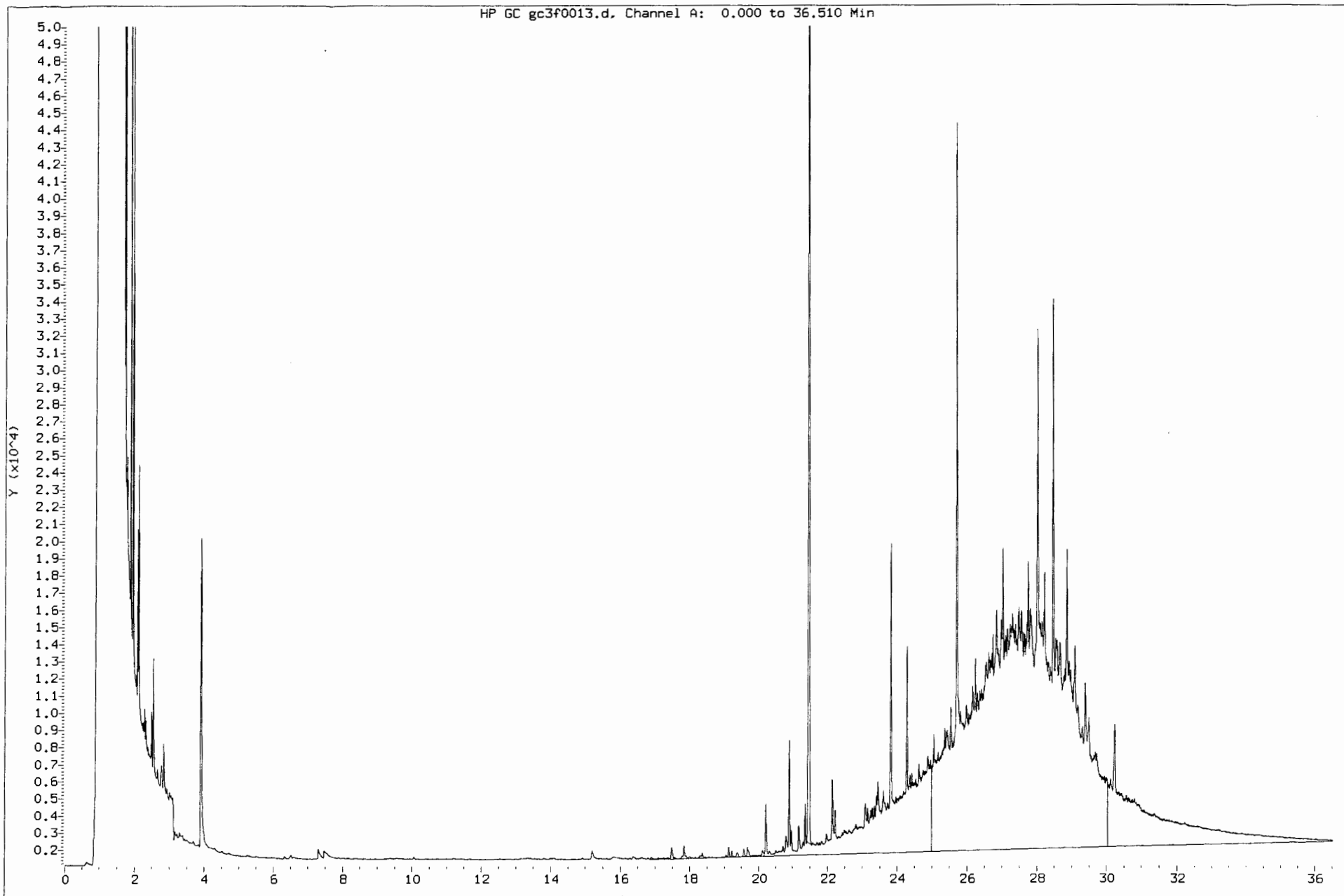
000092

/var/chem/GC3.i/1103d,b/gc3f0013.d



Data File: /var/chem/GC3.1/1103d.b/gc3f0013.d
Injection Date: 03-NOV-2000 18:38
Instrument: GC3.1
Client Sample ID:

000095



Report Date: 17-Nov-2000 09:18

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-14
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 0;2;;30;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.7	100.05	40-140

000095

Data File: /var/chem/GC3.i/1103d.b/gc3f0014.d

Date : 03-NOV-2000 19:25

Client ID:

Sample Info: A100547-14;;1X

Column phase: HXT-1

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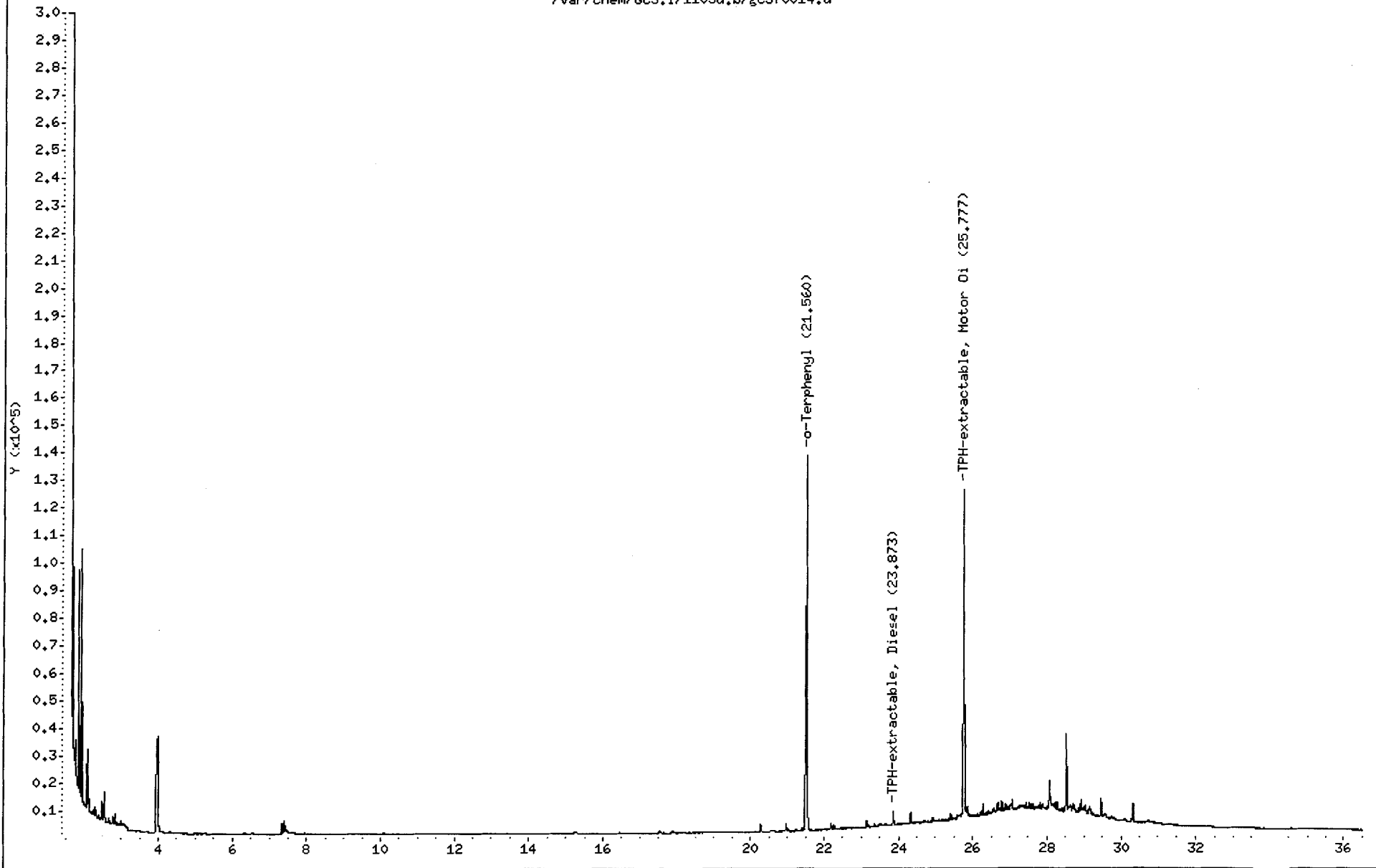
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

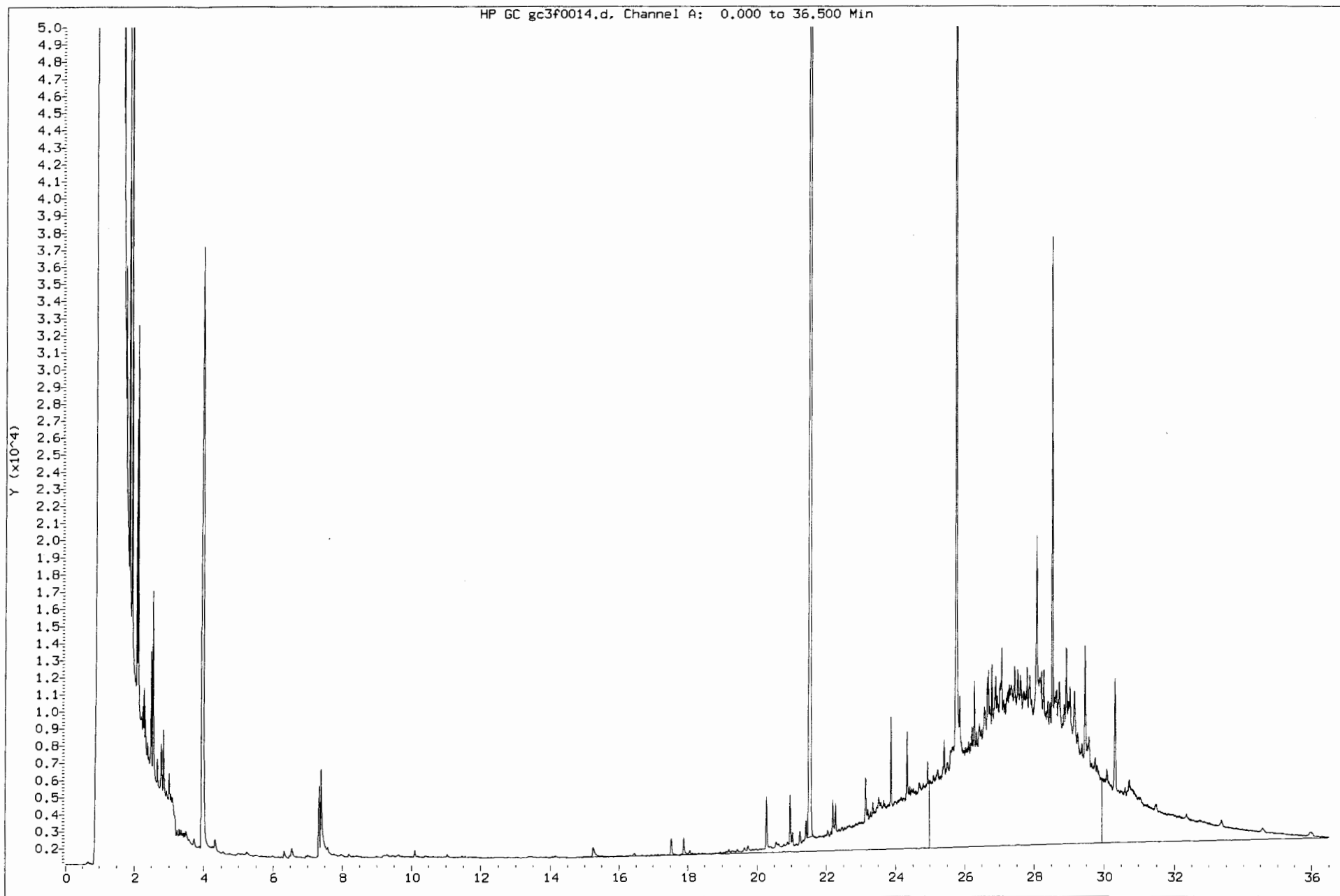
000006

/var/chem/GC3.i/1103d.b/gc3f0014.d



Data File: /var/chem/GC3.1/1103d.b/gc3f0014.d
Injection Date: 03-NOV-2000 19:25
Instrument: GC3.1
Client Sample ID:

000097



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0015.d
Lab Smp Id: A100547-15
Inj Date : 03-NOV-2000 20:12
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-15;;1X
Misc Info : 0;2;;30;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 13
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.117	19.500	3.617	1524323	154.419	10.3(M)
2 TPH-extractable, Motor Oil	25.783	28.980	-3.197	8506579	1472.25	98.2(M)
\$ 3 o-Terphenyl	21.587	21.550	0.037	1708456	99.4590	6.6(M)

QC Flag Legend

M - Compound response manually integrated.

000098

Report Date: 17-Nov-2000 09:18

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-15
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 0;2;;30;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.6	99.46	40-140

000099

Data File: /var/chem/GC3.i/1103d.b/gc3f0015.d

Date : 03-NOV-2000 20:12

Client ID:

Sample Info: A100547-15;;1X

Column phase: MXT-1

Instrument: GC3.i

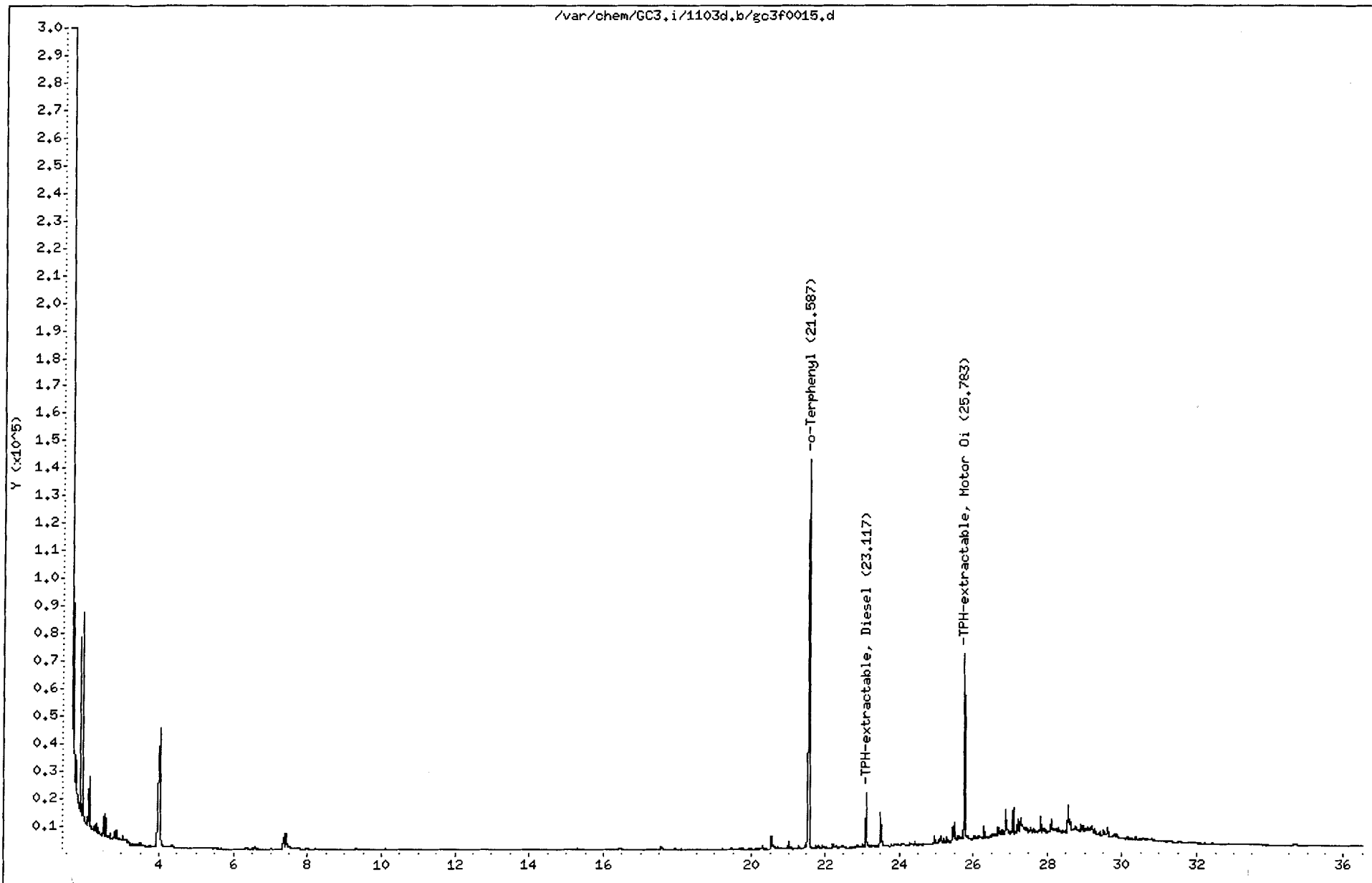
Operator: NTA

Column diameter: 0.53

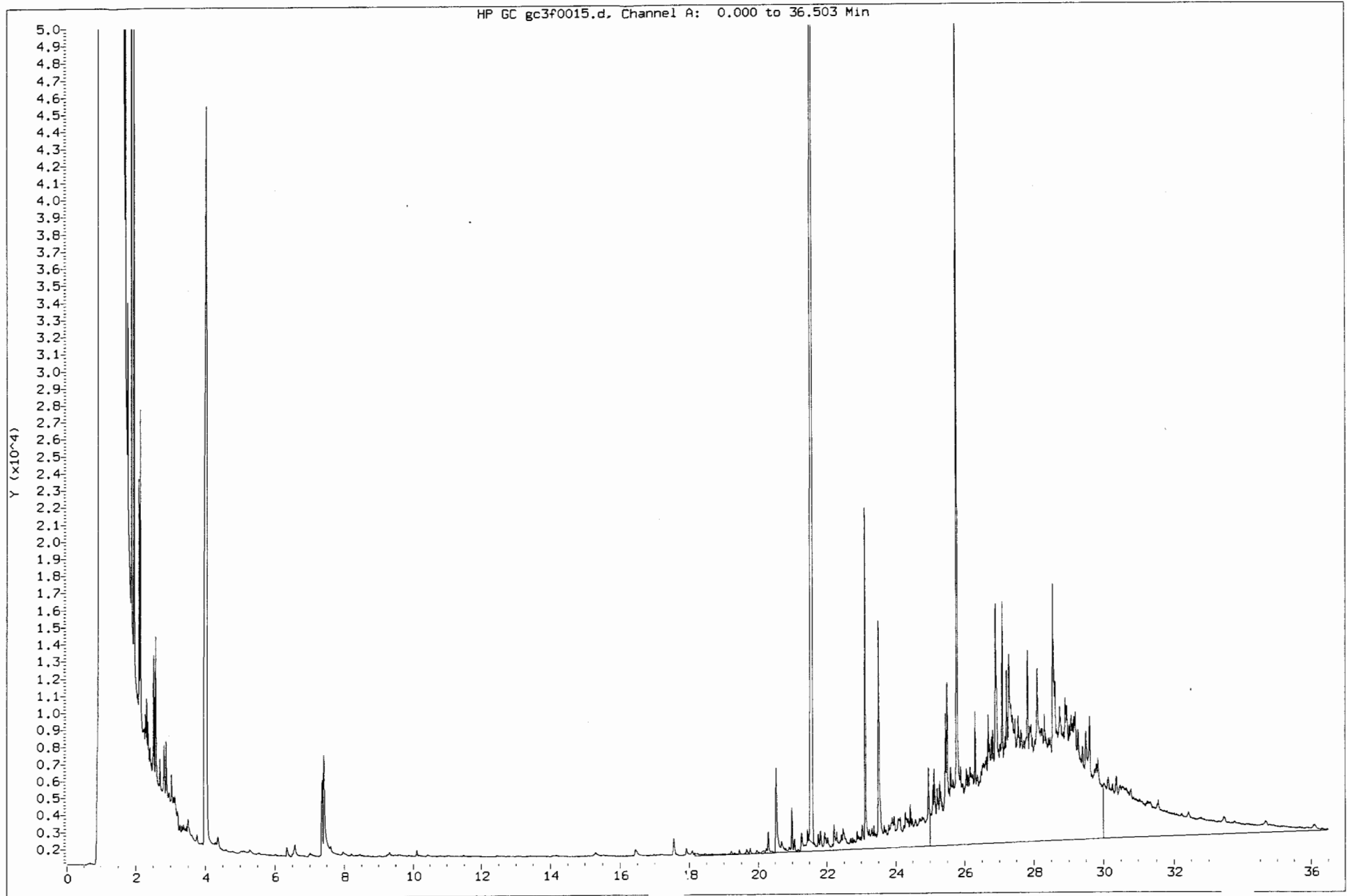
Page 3

000100

/var/chem/GC3.i/1103d.b/gc3f0015.d



Data File: /var/chem/GC3.1/1103d.b/gc3f0015.d
Injection Date: 03-NOV-2000 20:12
Instrument: GC3.1
Client Sample ID:



Data File: /var/chem/GC3.i/1103d.b/gc3f0016.d
 Report Date: 17-Nov-2000 09:18

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Caltest Analytical Laboratory

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: GC3.i Injection Date: 03-NOV-2000 20:58
 Lab File ID: gc3f0016.d Init. Cal. Date(s): 29-AUG-2000 30-AUG-2000
 Analysis Type: Init. Cal. Times: 18:19 05:16
 Lab Sample ID: DIESEL 1000/100 Quant Type: ESTD
 Method: /var/chem/GC3.i/1103d.b/diesel_f.m

COMPOUND	RRF / AMOUNT	RF1000	CCAL RRF1000	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
1 TPH-extractable, Diesel	1023	1000	12828	0.000	-2.3	15.0	Quadratic
\$ 3 o-Terphenyl	106	100	18241	0.000	-6.1	15.0	Quadratic

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0016.d
Lab Smp Id: DIESEL 1000/100
Inj Date : 03-NOV-2000 20:58
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 1000/100
Misc Info : 2;3;;;;;G-102400-13;5
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	17.013	19.500	-2.487	12827668	1000.00	1020(M)
2 TPH-extractable, Motor Oil		Compound Not Detected.				
3 o-Terphenyl	21.623	21.550	0.073	1824066	100.000	106(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1103d.b/gc3f0016.d

Date : 03-NOV-2000 20:58

Client ID:

Sample Info: DIESEL 1000/100

Column phase: HXT-1

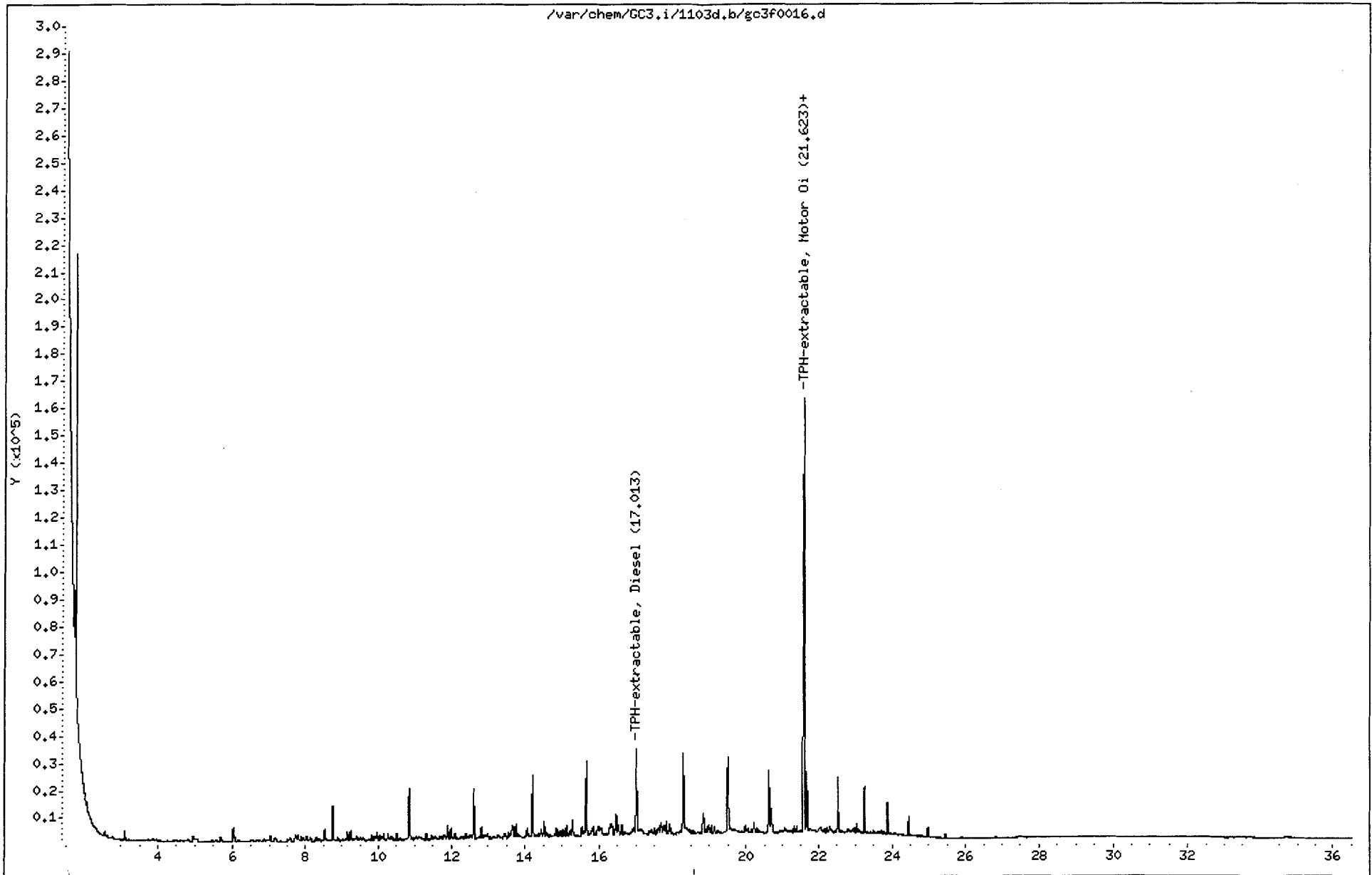
Page 2

Instrument: GC3.i

Operator: NTA

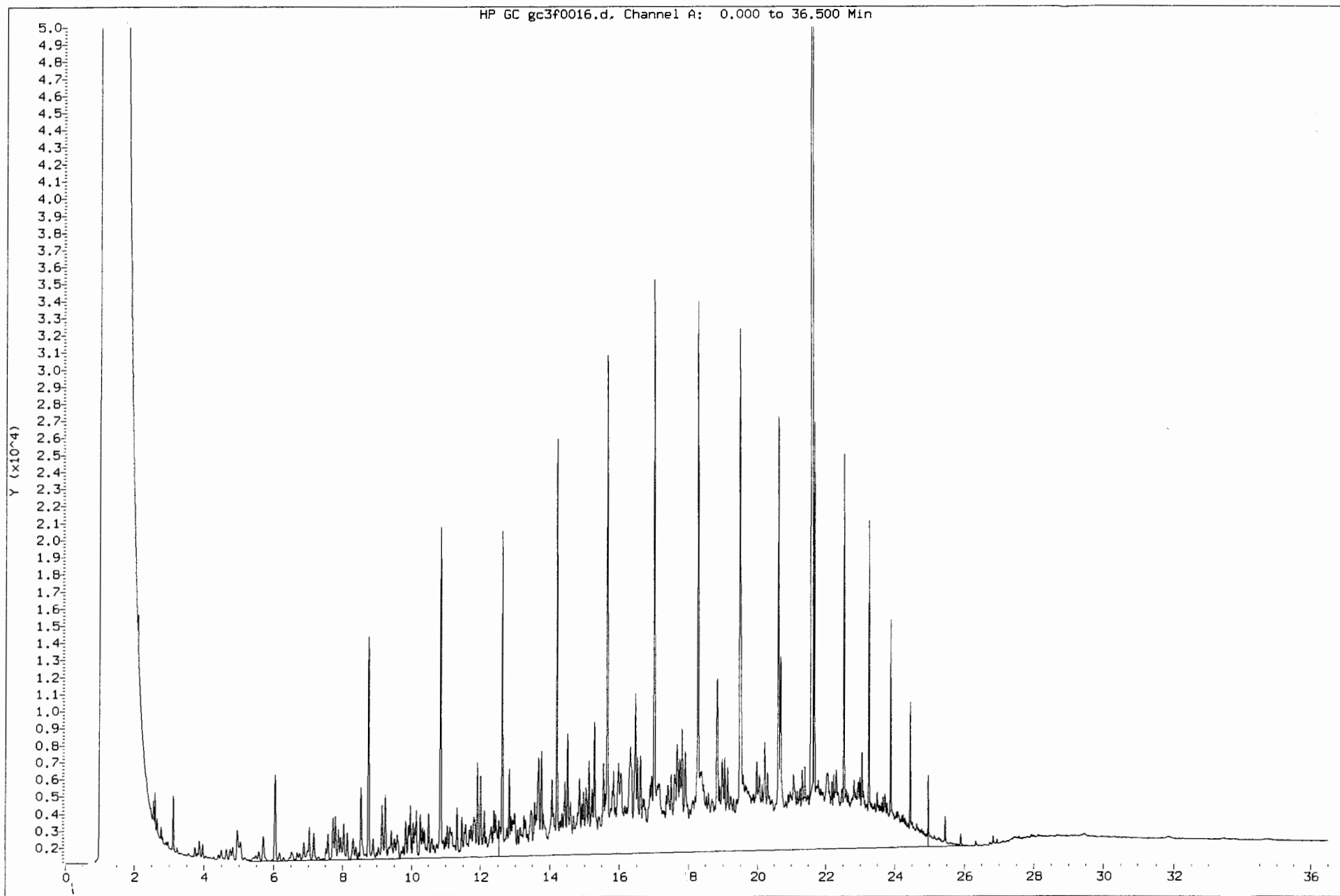
Column diameter: 0,53

000104



Data File: /var/chem/GC3.i/1103d.b/gc3f0016.d
Injection Date: 03-NOV-2000 20:58
Instrument: GC3.i
Client Sample ID:

000105



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0012.d

Lab Smp Id: A100547-12R

Inj Date : 27-NOV-2000 22:58

Operator : NTA

Inst ID: GC3.i

Smp Info : A100547-12R;;2X

Misc Info : 0;2;;30.0;2;2;T000315TPH

Comment :

Method : /var/chem/GC3.i/1127d.b/diesel_f.m

Meth Date : 28-Nov-2000 11:56 nta

Quant Type: ESTD

Cal Date : 15-NOV-2000 05:23

Cal File: gc3f0024.d

Als bottle: 12

Dil Factor: 2.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.757	19.463	4.294	2758075	229.076	30.5(M)
2 TPH-extractable, Motor Oil	25.717	28.890	-3.173	11394612	2216.89	296(M)
\$ 3 o-Terphenyl	21.490	21.530	-0.040	840448	49.3395	6.6(M)

QC Flag Legend

M - Compound response manually integrated.

Report Date: 28-Nov-2000 11:58

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-12R
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 0;2;;30.0;2;2;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.6	98.68	40-140

000167

Data File: /var/chem/GC3.i/1127d.b/gc3f0012.d

Date : 27-NOV-2000 22:58

Client ID:

Sample Info: A100547-12R;;2X

Column phase: MXT-1

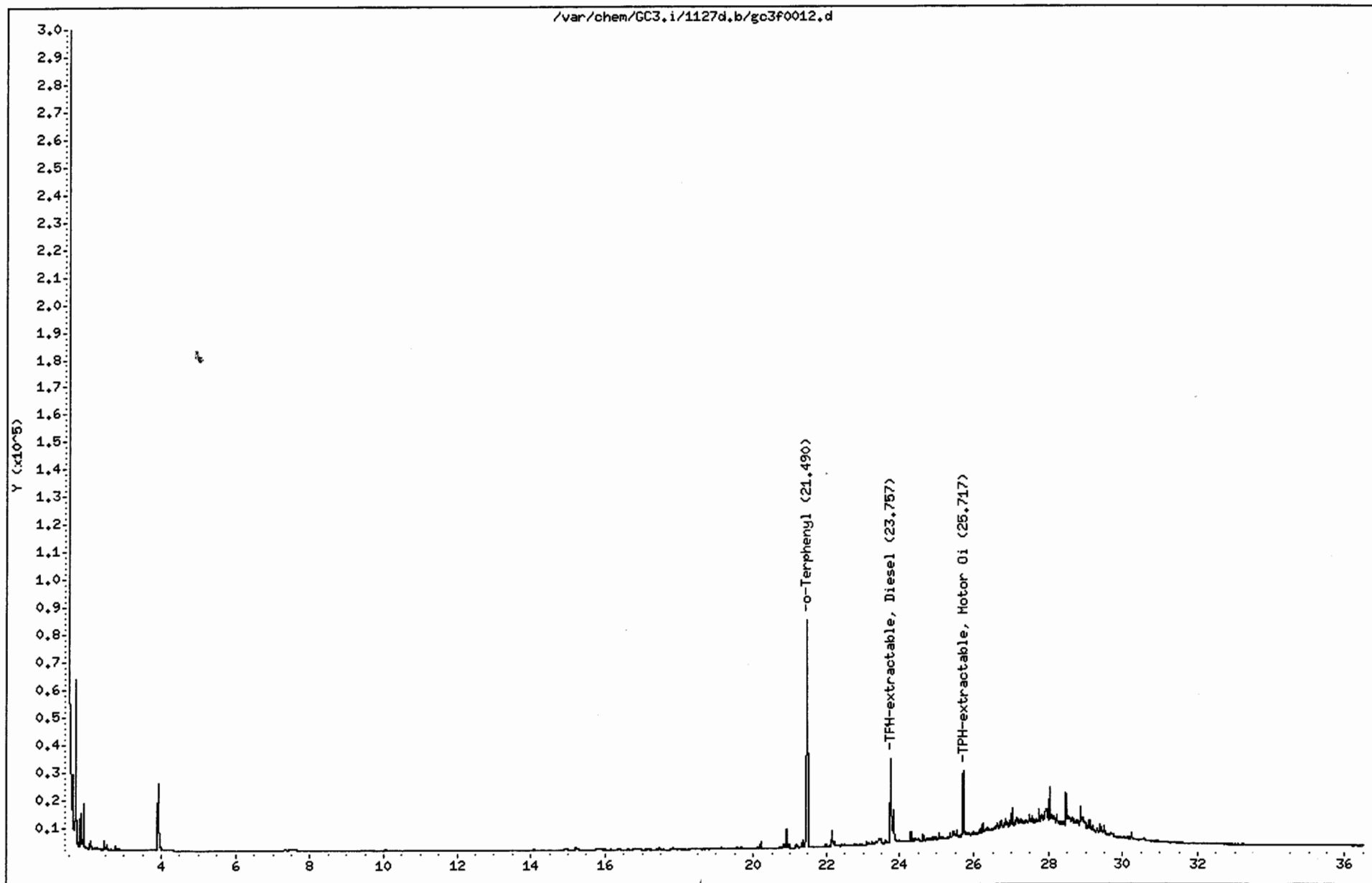
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

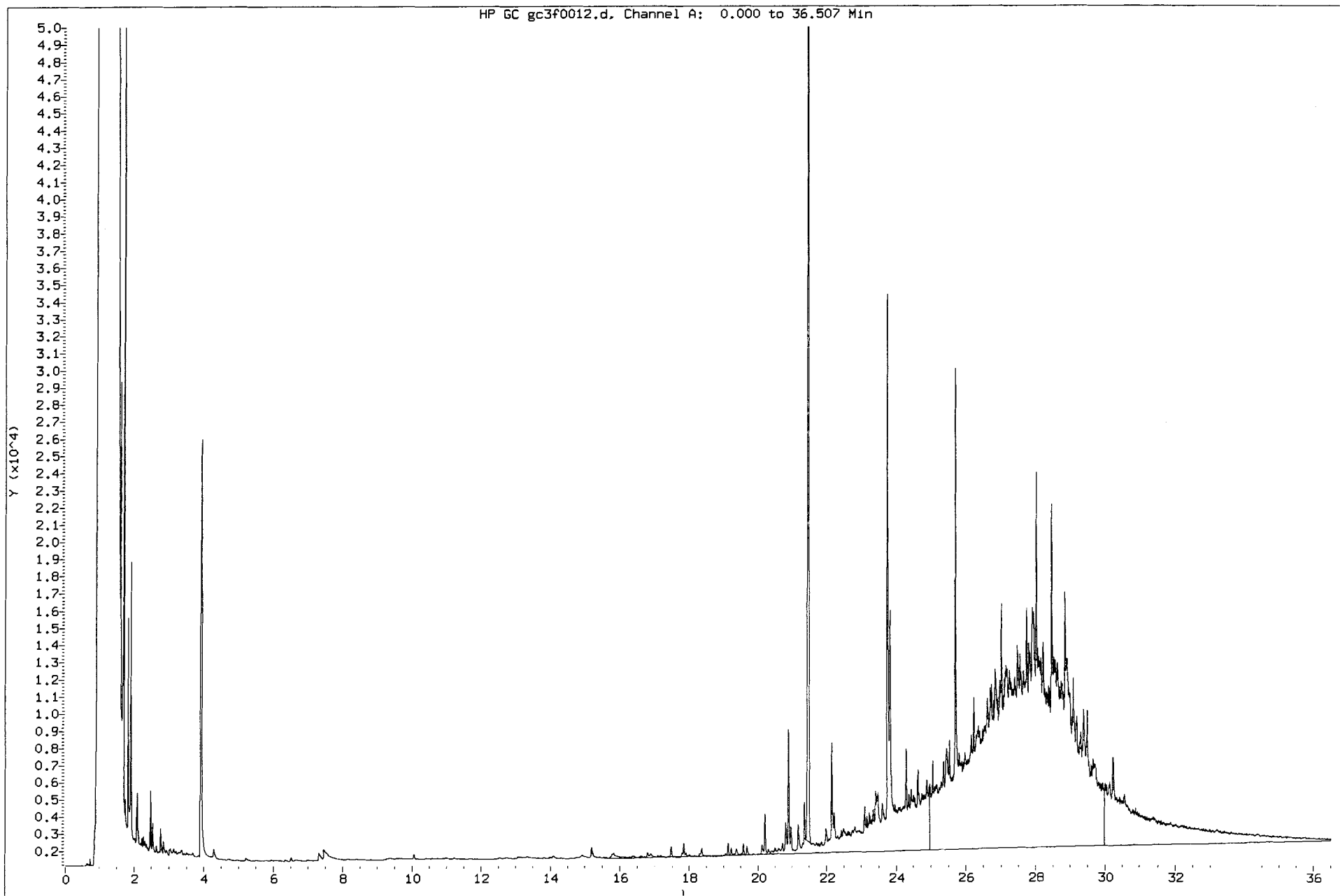
Page 3

000168



Data File: /var/chem/GC3.1/1127d.b/gc3f0012.d
Injection Date: 27-NOV-2000 22:58
Instrument: GC3.1
Client Sample ID:

000169



Caltest Analytical Laboratory

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: GC3.i Injection Date: 28-NOV-2000 00:28
Lab File ID: gc3f0014.d Init. Cal. Date(s): 14-NOV-2000 15-NOV-2000
Analysis Type: Init. Cal. Times: 18:04 05:23
Lab Sample ID: DIESEL 1000/100 Quant Type: ESTD
Method: /var/chem/GC3.i/1127d.b/diesel_f.m

COMPOUND	---		MIN	MAX		CURVE TYPE
	RRF / AMOUNT	RF1000	RRF	%D / %DRIFT	%D / %DRIFT	
1 TPH-extractable, Diesel	12040	12931	0.000	-7.4	15.0	Averaged
\$ 3 o-Terphenyl	17034	18132	0.000	-6.4	15.0	Averaged

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0014.d
Lab Smp Id: DIESEL 1000/100
Inj Date : 28-NOV-2000 00:28
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 1000/100
Misc Info : 2;3;;;;;G-112200-1;5
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 14 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS	
					CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	16.907	19.463	-2.556	12931177	1000.00	1070(M)
2 TPH-extractable, Motor Oil				Compound Not Detected.		
3 o-Terphenyl	21.527	21.530	-0.003	1813217	100.000	106(M)

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1127d.b/gc3f0014.d

Date : 28-NOV-2000 00:28

Client ID:

Sample Info: DIESEL 1000/100

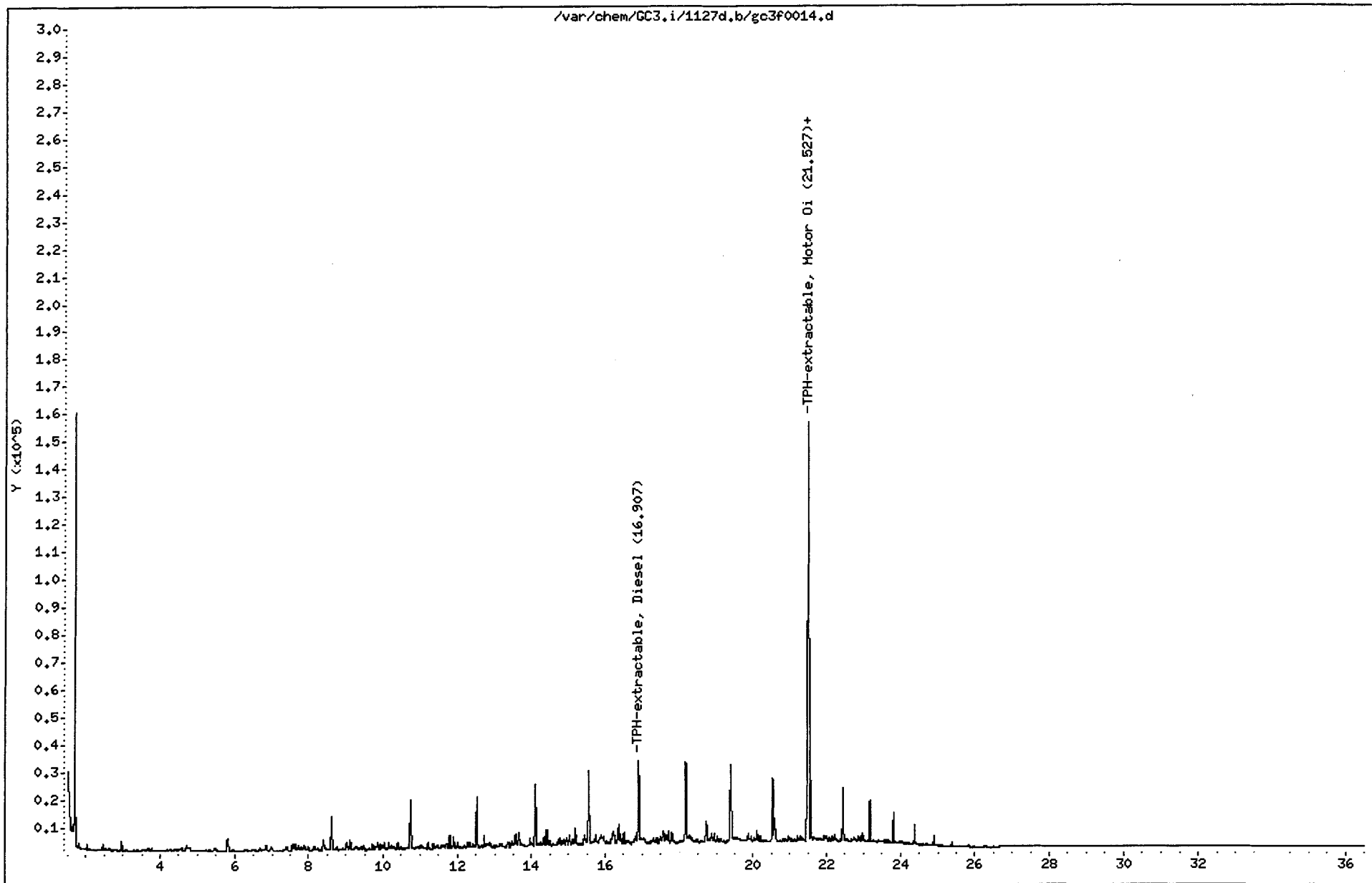
Column phase: MXT-1

Instrument: GC3.i

Operator: NTA

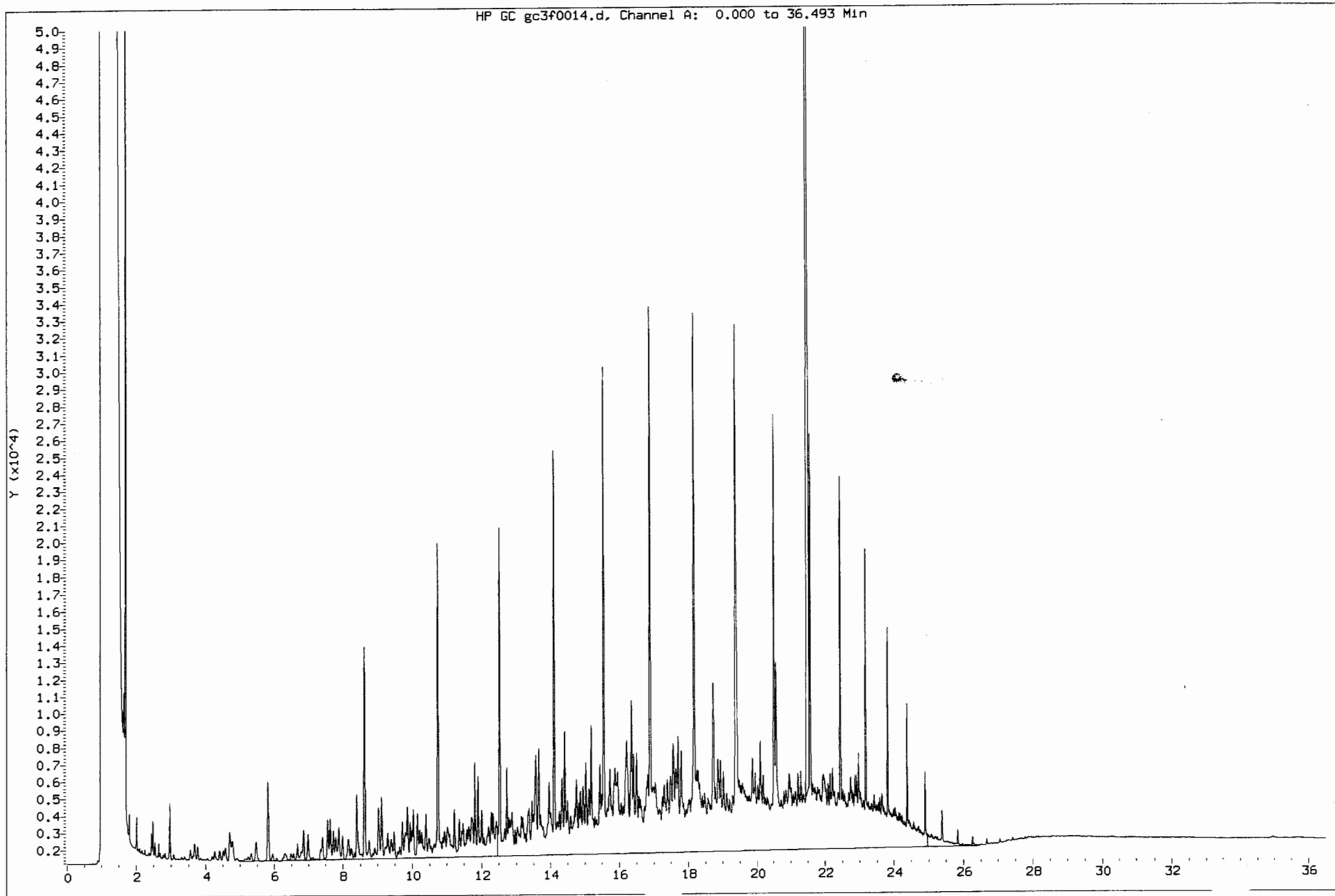
Column diameter: 0.53

22100172



Data File: /var/chem/GC3.1/1127d.b/gc3f0014.d
Injection Date: 28-NOV-2000 00:28
Instrument: GC3.1
Client Sample ID:

000173



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0016.d
Lab Smp Id: MOTOR OIL 2000
Inj Date : 28-NOV-2000 01:58
Operator : NTA Inst ID: GC3.i
Smp Info : MOTOR OIL 2000
Misc Info : 2;3;;;;;G-090800-1;11
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 15 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP	RT	DLT	RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel						Compound Not Detected.		
2 TPH-extractable, Motor Oil	28.403	28.890	-0.487			9246009	0.00000	1800(M)
3 o-Terphenyl						Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1127d.b/gc3f0016.d

Page 2

Date : 28-NOV-2000 01:58

Client ID:

Instrument: GC3.i

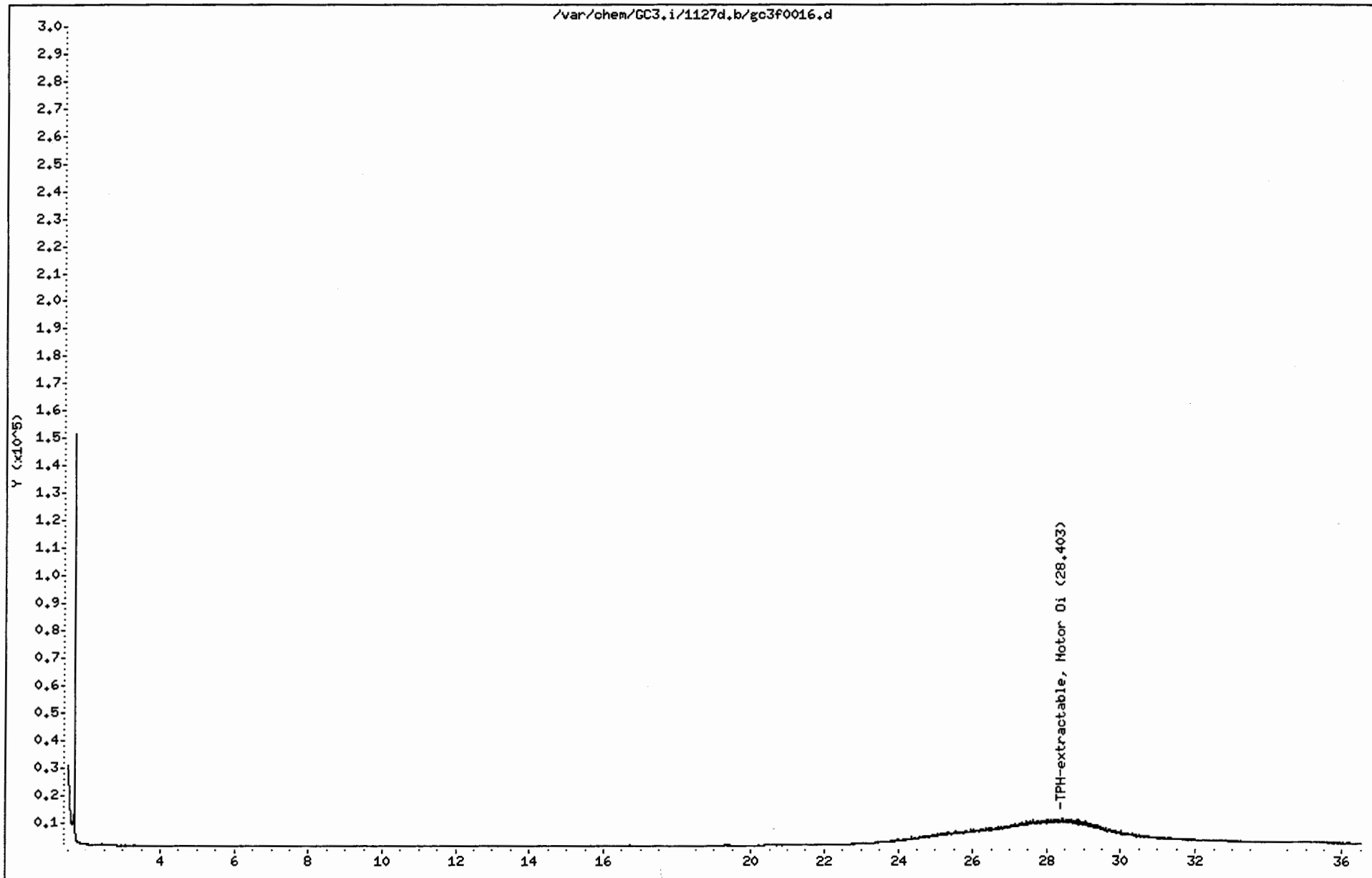
Sample Info: MOTOR OIL 2000

Operator: NTA

Column phase: HXT-1

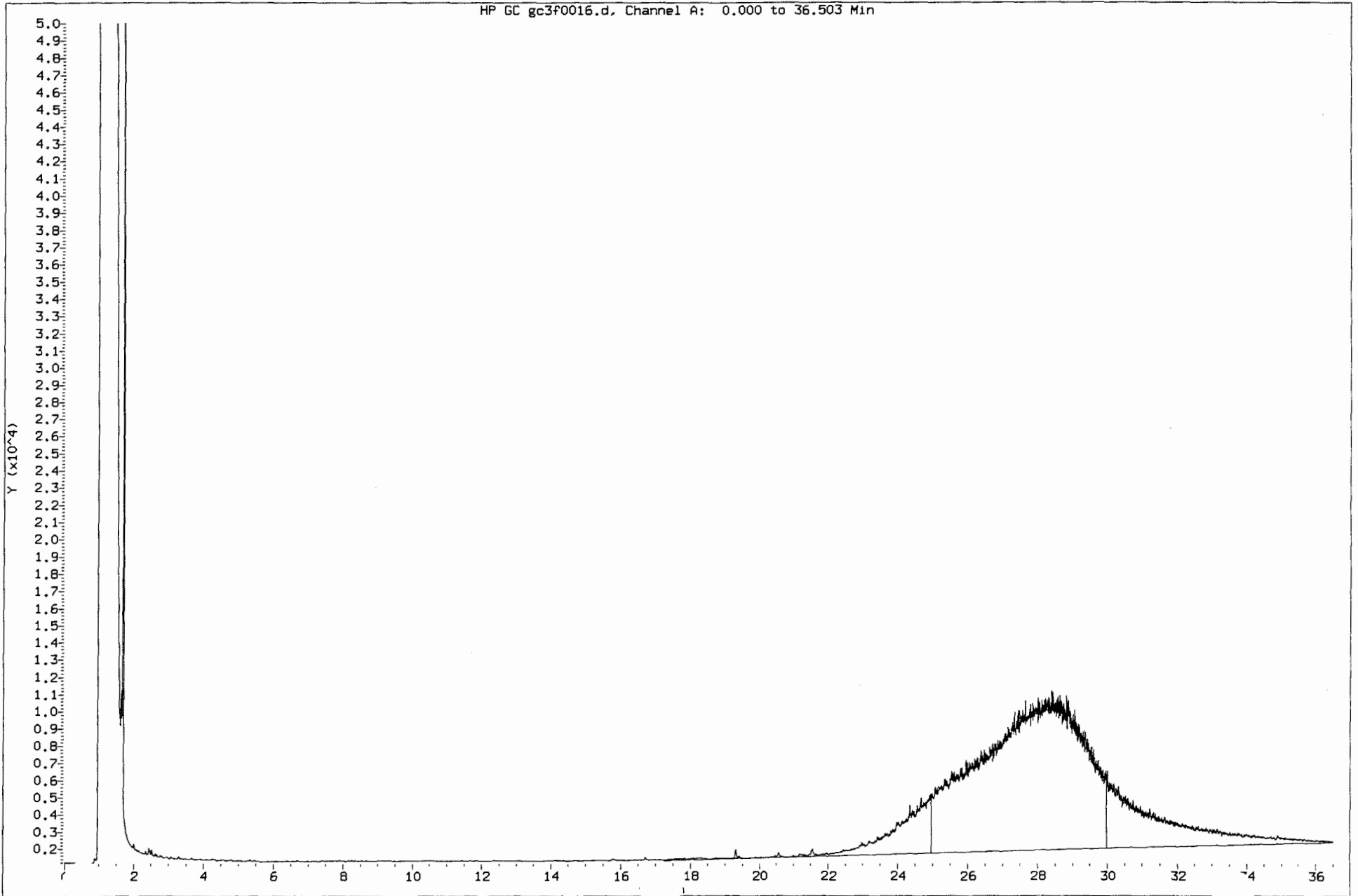
Column diameter: 0,53

000175



Data File: /var/chem/GC3.1/1127d.b/gc3f0016.d
Injection Date: 28-NOV-2000 01:58
Instrument: GC3.1
Client Sample ID:

921000



CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-082800-2

Expiration Date: 6/1/01

Description /Standards: Diesel - Cal. Stock 5000/500 ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel / Accu Std.	G-080400-8	6/1/01	20,000ug/ml	500 ml	5000 ug/ml
O-Terphenyl Stk	G-080700-5	8/7/01	10,000ug/ml	100ml	500 ug/ml

Solvent Lot #: MeCl₂ BX 826

Final Volume: 2ml

Analyst: NTA

Date: 8/28/00

Caltest ID #: G-082800-3 to -8

Expiration Date: 6/1/01

Description /Standards: Diesel Cal. Standards

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel - Cal. Stk	G-082800-2	6/1/01	5000/500 ug/ml	800 ml	2000/200 ug/ml
				400 ml	1000/100
				200 ml	500/50
				80 ml	200/20
				40 ml	100/10
				20 ml	50/5

Solvent Lot #: MeCl₂ - BX 826

Final Volume: 2 ml each

Analyst: NTA

Date: 8/28/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-080400-7

Expiration Date: 10/22/00

Description /Standards: Pest SpK 2ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Pest SpK	G-042000-1	10/20/00	200ug/ml	50ul	2ug/ml

Solvent Lot #: Acetone DX864

Final Volume: 5ml

Analyst: CWC Date: 8/4/00

Caltest ID #: G-080400-8

Expiration Date: 6/1/01

Description /Standards: 20,000 ng/ml Diesel Stock

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
				20,000 mg/ml	→

AccuStandard, Inc. 125 Market Street • New Haven, CT 06513
 800-368-3290 • 203-786-5290

FU-009-D-40X
 #2 Diesel Fuel
 20.0 mg/mL in CH₂Cl₂
 Lot: A9120177
 Exp: JUN 1, 2001

OC-3154 1 mL

CARCINOGENIC

FOR LABORATORY USE ONLY
 WARNING: This product contains a chemical(s) known to the State of California to cause cancer.

STORAGE AMBIENT

Solvent Lot #: Meth₂

Final Volume: 1 ml

Analyst: NTA Date: 8/4/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-080700-4 Expiration Date: 5/1/01
Description/Standards: Pest Surv 200 mg/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
AccuStandard, Inc. CLP-032-R Decachlorobiphenyl & Tetrachloro-m-xylene 0.2 mg/mL in Acetone Lot: A9090257 Exp. May 1, 2001	OC-3123 2			1 mL	

FOR LABORATORY USE ONLY
WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.
STORAGE AMBIENT
CARCINOGENIC

solvent Lot #: / Final Volume: /
analyst: cwc Date: 8/7/01

Caltest ID #: G-080700-5 Expiration Date: 8/7/01
Description/Standards: 10,000 mg/ml O-Terphenyl Stk.

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>O-Terphenyl</u> / Chem Service	<u>OC-2621</u>	<u>5/02</u>	<u>rest</u>	<u>0.10g</u>	<u>10,000 mg/ml</u>

solvent Lot #: MeCl2 BW-356 Final Volume: 10 ml
analyst: NTA Date: 8/7/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS - STANDARDS PREPARATION LOGBOOK

altest ID #: G-112100-1 Received Date: _____ Opened Date: _____ Expiration Date: 11/27/00

Description /Standards: I. cal 8141

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
8141 STD STK	G-102400-3	11/27/00	10000/ml	100 μ l	5.0 μ g/ml
↓	↓	↓	↓	70	3.5
↓	↓	↓	↓	40	2.0
↓	↓	↓	↓	20	1.0
↓	↓	↓	↓	10	0.5

Solvent Lot #: Hexane Bx706 Final Volume: 200 μ l

Analyst: M.T Date: 11/21/00

Caltest ID #: J-110000-1 Received Date: _____ Opened Date: _____ Expiration Date: 6/1/01

Description /Standards: Diesel Cal. Std. 1000/100 μ g/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel Q1 STK	G-111400-2	6/1/01	5000/500 μ g/ml	400 μ l	1000/100 μ g/ml

Solvent Lot #: BY 979 CH_2Cl_2 Final Volume: 2 ml

Analyst: NTA Date: 11/22/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS - STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-111400-1 Received Date: _____ Opened Date: _____ Expiration Date: 6/1/01

Description /Standards: Diesel Cal. Std. 1000/100 µg/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel Cal Stk	G-100900-2	6/1/01	5000/500 µg/ml	400 µl	1000/100 µg/ml

Solvent Lot #: MeCl₂ BY 979 Final Volume: 2 ml

Analyst: NTA Date: 11/14/00

Caltest ID #: G-111400-2 Received Date: _____ Opened Date: _____ Expiration Date: 6/1/01

Description /Standards: Diesel Cal. Stock 5000/500 µg/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel Stk	G-100900-1	6/1/01	20,000 µg/ml	500 µl	5000 µg/ml
o-terphenyl Stk	G-080700-5	8/7/01	10,000 µg/ml	100 µl	500 µg/ml

Solvent Lot #: MeCl₂ BX BY 979 Final Volume: 2 ml

Analyst: NTA Date: 11/14/00

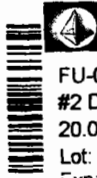

**CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK**

Caltest ID #: G-100900-1

Expiration Date: 6/1/01

Description /Standards: _____

20,000 ug/ml Diesel Stk

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
 AccuStandard, Inc. <small>125 Market Street • New Haven, CT 06513 Phone 800-442-5290 • 203-786-5290</small>					
FU-009-D-40X #2 Diesel Fuel 20.0 mg/mL in CH ₂ Cl ₂ Lot: A9120177 Exp: Jun 1, 2001		OC - 3154	1 mL	FOR LABORATORY USE ONLY WARNING: This product contains a chemical(s) known to the State of California to cause cancer. STORAGE AMBIENT  CARCINOGENIC	

solvent lot #: _____ ✓

Final Volume: 1 ml

analyst: NTA

Date: 10/9/00

Caltest ID #: G-100900-2

Expiration Date: 6/1/01

Description /Standards: _____

Diesel Cal. Stock 5000/500 ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel Stk	G-100900-1	6/1/01	20,000 ug/ml	500 ml	5,000 ug/ml
O-torphenyl Stk	G-080700-5	8/7/01	10,000 ug/ml	100 ml	500 ug/ml

solvent lot #: MeCl₂ BX-826

Final Volume: 2 ml

analyst: NTA





Date: 10/9/00

**CALIFORNIA ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK**

Caltest ID #: G-080700-4

Expiration Date: 5/1/01

Description /Standards: Pest Surr 200ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<div style="display: flex; justify-content: space-between;"> <div data-bbox="394 542 1016 766">  <p>AccuStandard, Inc. CLP-032-R Decachlorobiphenyl & Tetrachloro-m-xylene 0.2 mg/mL in Acetone Lot: A9090257 Exp: May 1, 2001</p> </div> <div data-bbox="1024 563 1251 766"> <p>FOR LABORATORY USE ONLY WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm. STORAGE: AMBIENT    CARCINOGENIC</p> </div> </div>					

solvent Lot #: /

Final Volume: /

analyst: cwc Date: 8/7/01

Caltest ID #: G-080700-5

Expiration Date: 8/7/01

Description /Standards: 10,000 ug/ml O-Terphenyl Stk.

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
O-Terphenyl / Chem Service	OC-2621	5/02	rest	0.10g	10,000 ug/ml

solvent Lot #: MeCl₂ BW-356

Final Volume: 10 ml

analyst: NTA Date: 8/7/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-041800-7 → 13 Expiration Date: 01-11-01

Description /Standards: Motor Oil Standards

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
- Motor Oil #4	G-041800-7	01/11/01	5000 ug/ml	1 ml	5000 ug/ml
-8				800 ul	4000
-9				600 ul	3000
-10				400 ul	2000
-11				200 ul	1000
-12				100 ul	500
-13				40 ul	200

solvent lot #: MeCl₂ Final Volume: 2 ml
 analyst: NTA Date: 4/18/00

Caltest ID #: G-042000-1 Expiration Date: 10/20/00

Description /Standards: 200 ug/ml Pesticide Stock

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Pest Stock	G-011000-1	1/10/01	1000 ug/ml	200 ul	200 ug/ml

solvent lot #: Hexane BW 273 Final Volume: 1 ml
 analyst: DWL Date: 4/20/00

CALTEST ANALYTICAL LABORATORY
ORGANICS GC STANDARDS PREPARATION LOGBOOK

Caltest ID # G-01100-9 Expiration Date 8/18/00

Description/Standard Motor Oil CCV

Compound/Supplier	ID or Lot #/OC #/ Exp. Date	Conc.	Amount	Final Conc
Motor Oil Stk	G-01100-1 8/18/00	10,000 µg/ml	0.4 ml	2000 µg/ml

Solvent/Lot# MeCl₂ BW36 Final Volume 2 ml

Reviewed and approved by/Date _____ Analyst NTA Date 1/11/00

Caltest ID # G-01100-10 Expiration Date 01-11-01

Description/Standard Motor Oil Stock 10,000 ppm

Compound/Supplier	ID or Lot #/OC #/ Exp. Date	Conc.	Amount	Final Conc
Motor Oil/Pennzoil	OC-1923 / NA	Neat	0.100g	10,000 ppm

Solvent/Lot# MeCl₂ 314 35 Final Volume 10 ml

Analyst NTA Date 01-11-00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-102400-13 → 17

Expiration Date: _____

Description /Standards: 8141 Cal STD

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>G-102400-3</u>	<u>8141 STD</u>	<u>11/27/10</u>	<u>10mg/ml</u>		
<i>void</i>					
<i>JTS</i>					
<i>10/24/00</i>					

solvent lot #: _____

Final Volume: _____

Analyst: _____ Date: _____

Caltest ID #: G-102400-18 ^{10/24/00} 13

Expiration Date: 6/1/01

Description /Standards: Diesel Cal Std 1000/100 mg/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>Diesel Cal Std</u>	<u>G-100900-2</u>	<u>6/1/01</u>	<u>5000/500</u> <u>mg/ml</u>	<u>400ml</u>	<u>1000/100</u> <u>mg/ml</u>

solvent lot #: MeCl₂ BX 826



Final Volume: 2 ml

Analyst: N/A Date: 10/24/07

**CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK**

Caltest ID #: G-100900-1 **Expiration Date:** 6/1/01

Description /Standards: 20,000 µg/ml Diesel Stk

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
 AccuStandard, Inc. 125 Market Street • New Haven, CT 06510 Phone 800-442-5290 • 203-786-5290 FU-009-D-40X #2 Diesel Fuel 20.0 mg/mL in CH ₂ Cl ₂ Lot: A9120177 Exp: Jun 1, 2001	<u>OC - 3154</u>			<u>1 mL</u>	
FOR LABORATORY USE ONLY WARNING: This product contains a chemical(s) known to the State of California to cause cancer. STORAGE AMBIENT 					

solvent lot #: ✓ **Final Volume:** 1 ml

analyst: NTA **Date:** 10/9/00

Caltest ID #: G-100900-2 **Expiration Date:** 6/1/01

Description /Standards: Diesel Cal. Stock 5000/500 µg/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel Stk	G-100900-1	6/1/01	20,000 µg/ml	500 ml	5,000 µg/ml
O-tolophenyl Stk	G-080700-5	8/7/01	10,000 µg/ml	100 ml	500 µg/ml

solvent lot #: MeCl₂ BX-826 **Final Volume:** 2 ml

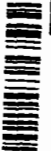


analyst: NTA **Date:** 10/9/00

CALIFORNIA ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-080700-4

Expiration Date: 5/1/01

Description /Standards: Peak Serv Sealing Inc

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
 AccuStandard, Inc. CLP-032-R Decachlorobiphenyl & Tetrachloro-m-xylene 0.2 mg/mL in Acetone Lot: A9090257 Exp: May 1, 2001	<u>OC-3123</u>	<u>2</u> comps.	<u>1 mL</u>		
<p>FOR LABORATORY USE ONLY WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.</p> <p>STORAGE: AMBIENT</p> <p> </p> <p>CARCINOGENIC</p>					

solvent lot #: _____

Final Volume: 1

Analyst: cwc Date: 3/7/01

Caltest ID #: G-080700-5

Expiration Date: 8/7/01

Description /Standards: 10,000 µg/ml O-Terphenyl Stk.

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>O-Terphenyl / Chem Service</u>	<u>OC-2621</u>	<u>5/02</u>	<u>rest</u>	<u>0.10g</u>	<u>10,000 µg/ml</u>

solvent lot #: MeCl₂ BW-356

Final Volume: 10 ml

Analyst: NTA Date: 8/7/00

CALTEST ANALYTICAL LABORATORY
GC ORGANIC STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-0906 G-090700-1 Expiration Date: 9/11/00

Description /Standards: 8141 STD

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
-1 8141 STD STK	G-03000-2	9/11/00	1000 µg/ml	100 µl	5.6 µg/ml
-2				70	3.5
-3				40	2.0
-4				20	1.0
-5		11/28/00		10	0.5

solvent lot #: Hexane BX273 Final Volume: 200 µl

Analyst: U.T Date: 9/7/00

Caltest ID #: G-090800-1 Expiration Date: 5/24/01

Description /Standards: Motor Oil Std. 2000 µg/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Motor Oil Stk	G-052400-2	5/24/01	10,000 µg/ml	1 ml	2000 µg/ml

solvent lot #: MeCl₂ PX 826 Final Volume: 5 ml

Analyst: NTA Date: 9/8/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: CA-052400-2 Expiration Date: 5/24/01

Description /Standards: Motor Oil - Cal. Stock 10,000 ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>Motor Oil / Pennzoil</u>	<u>CC-1223 / 11/11</u>		<u>Stock</u>	<u>2.000 g</u>	<u>10,000 ug/ml</u>

solvent lot #: MeCl₂ BW 356 Final Volume: 10 ml

analyst: NTA Date: 5/24/00

Caltest ID #: CA-052500-1 Expiration Date: 6/1/00

Description /Standards: 1.0 ug/ml Aroclor 1242 Std

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>Aroclor 1242</u>	<u>6-052100-7</u>	<u>6/1/00</u>	<u>10 ug/ml</u>	<u>200 ul</u> ^{5/25/00}	<u>1.0 ug/ml</u>

solvent lot #: BX 273 Final Volume: 2 ml ^{5/23/00}

analyst: MT Date: 5.25.00

CALTECH ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G101400-2

Expiration Date: 12/14/00

Description /Standards: 8141/507 Surr 50ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
8141/507 Surr.	G101400-1	12/14/00	1000ug/ml	250ul	50ug/ml

solvent lot #: Acetone BX402

Final Volume: 5mL

analyst: CWC Date: 10/14/00

Caltest ID #: G-101400-2

Expiration Date: 8/7/01

Description /Standards: O-Terph 1000ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
O-Terph STK	G-080700-5	8/7/01	10000ug/ml	1ml	1000ug/ml

solvent lot #: Acetone BX402

Final Volume: 10mL

analyst: CWC Date: 10/14/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-080700-4 Expiration Date: 5/1/01

Description /Standards: Pest Surv 200ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<div style="display: flex; justify-content: space-between; align-items: flex-start;"> <div style="width: 45%;"> <p>AccuStandard, Inc. CLP-032-R Decachlorobiphenyl & Tetrachloro-m-xylene 0.2 mg/mL in Acetone Lot: A9090257 Exp: May 1, 2001</p> </div> <div style="width: 45%;"> <p>125 Main Street • New Haven, CT 06510 Phone: 800-442-5290 • 203-786-5290</p> <p>11/28/00</p> <p>1 mL</p> <p>2 comps.</p> <p>CARCINOGENIC</p> </div> <div style="width: 10%; font-size: small;"> <p>FOR LABORATORY USE ONLY WARNING: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.</p> <p>STORAGE AMBIENT</p> </div> </div>					

solvent lot #: Final Volume:

Analyst: cwc Date: 8/7/01

Caltest ID #: G-080700-5 Expiration Date: 8/7/01

Description /Standards: 10,000 ug/ml O-Terphenyl Stk.

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
<u>O-Terphenyl / Chem Service</u>	<u>OC-2621</u>	<u>5/02</u>	<u>rest</u>	<u>0.10g</u>	<u>10,000 ug/ml</u>

solvent lot #: MeCl₂ BW-356 Final Volume: 10 ml

Analyst: NTA Date: 8/7/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

Caltest ID #: G-082800-11

Expiration Date: 07/13/01

Description /Standards: G-082900-2 Diesel SPIKE 10.000 ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel SPIK	G-071300-7	07/13/01	100000 ug/ml	1ml	10000 ug/ml

solvent lot #: Acetone - B4-974

Final Volume: 10ml

analyst: WCC Date: 08/29/00 ^{4th} 08/29/01

Caltest ID #: G-083000-1

Expiration Date: 2/30/01

Description /Standards: MDL Toxaphene spk 30ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Toxaphene	G-081500-1	8/14/01	100ug/ml	300ml	30ug/ml

solvent lot #: Acetone BZ 079

Final Volume: 1ml

analyst: CWC Date: 8/30/00

CALTEST ANALYTICAL LABORATORY
GC ORGANICS STANDARDS PREPARATION LOGBOOK

test ID #: G-071300-8

Expiration Date: 1/13/01

Description /Standards: Pest Surr 2ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Pest Surr STA	G-071000-1	5/1/00	2ug/ml	10ml	2ug/ml
11/28/00					

solvent lot#: Acetone BX864

Final Volume: 10ml

analyst: CWC

Date: 7/13/00

Caltest ID #: G-071300-9

Expiration Date: 7/13/01

Description /Standards: Diesel Stock 100,000 ug/ml

Compound/Supplier	ID or Lot # / OC #	Exp. Date	Conc.	Amount	Final Conc.
Diesel, Chevron	OC-2622	7/31/01	neat	1g	100,000 ug/ml

solvent lot#: Acetone BX 864

Final Volume: 10 ml

analyst: NTA

Date: 7/13/00

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0018.d
Lab Smp Id: A100547-16
Inj Date : 03-NOV-2000 22:32
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-16;;1X
Misc Info : 0;2;;30;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Compound Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	21.120	19.500	1.620	292108	59.6006	4.0(M)
2 TPH-extractable, Motor Oil	25.833	28.980	-3.147	5633223	915.863	61.0(M)
\$ 3 o-Terphenyl	21.703	21.550	0.153	1781427	103.647	6.9(M)

QC Flag Legend

M - Compound response manually integrated.

000106

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 0;2;;30;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.9	103.65	40-140

Data File: /var/chem/GC3.i/1103d,b/gc3f0018.d

Date : 03-NOV-2000 22:32

Client ID:

Sample Info: A100547-16;;1X

Column phase: MXT-1

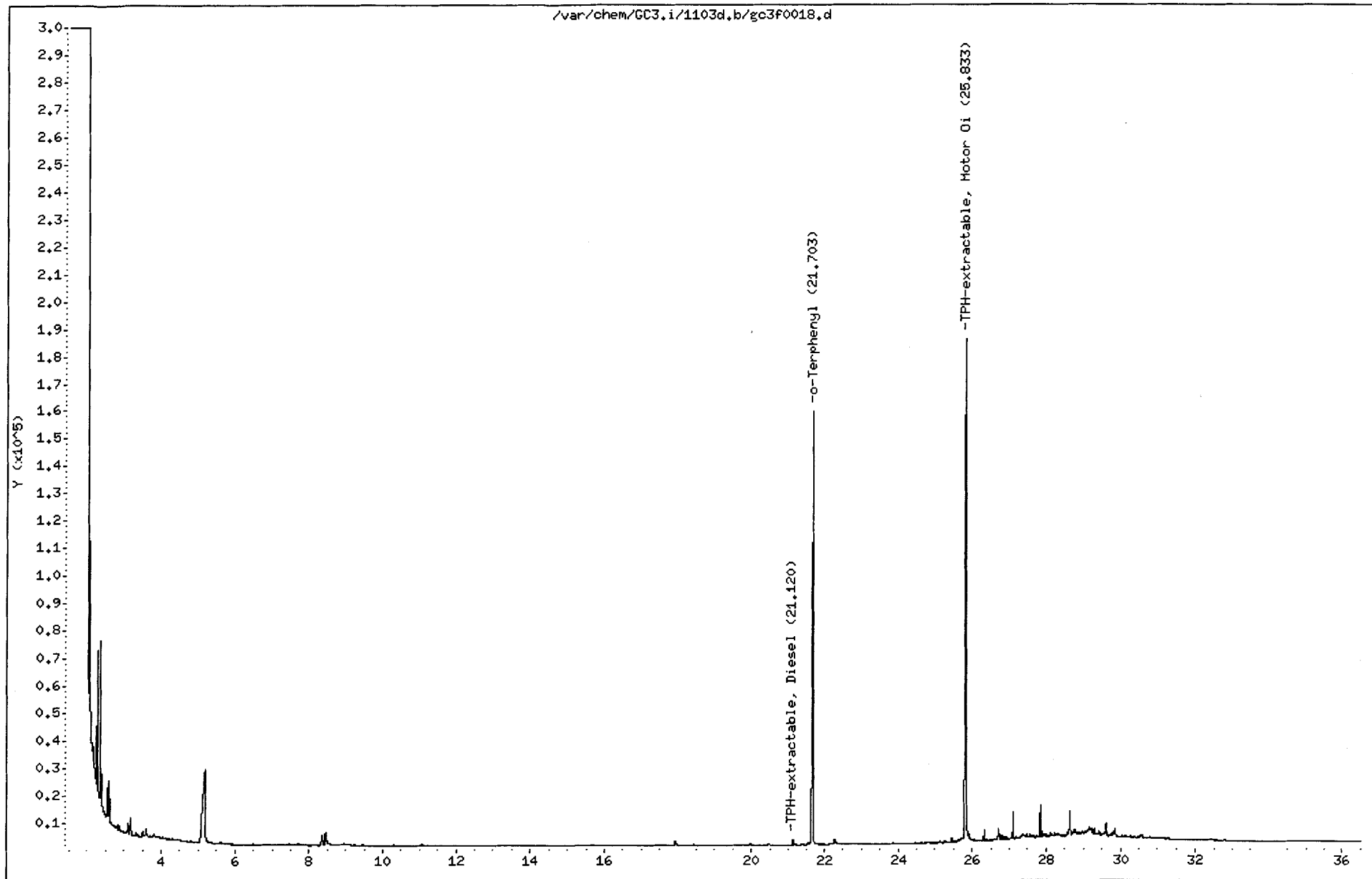
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

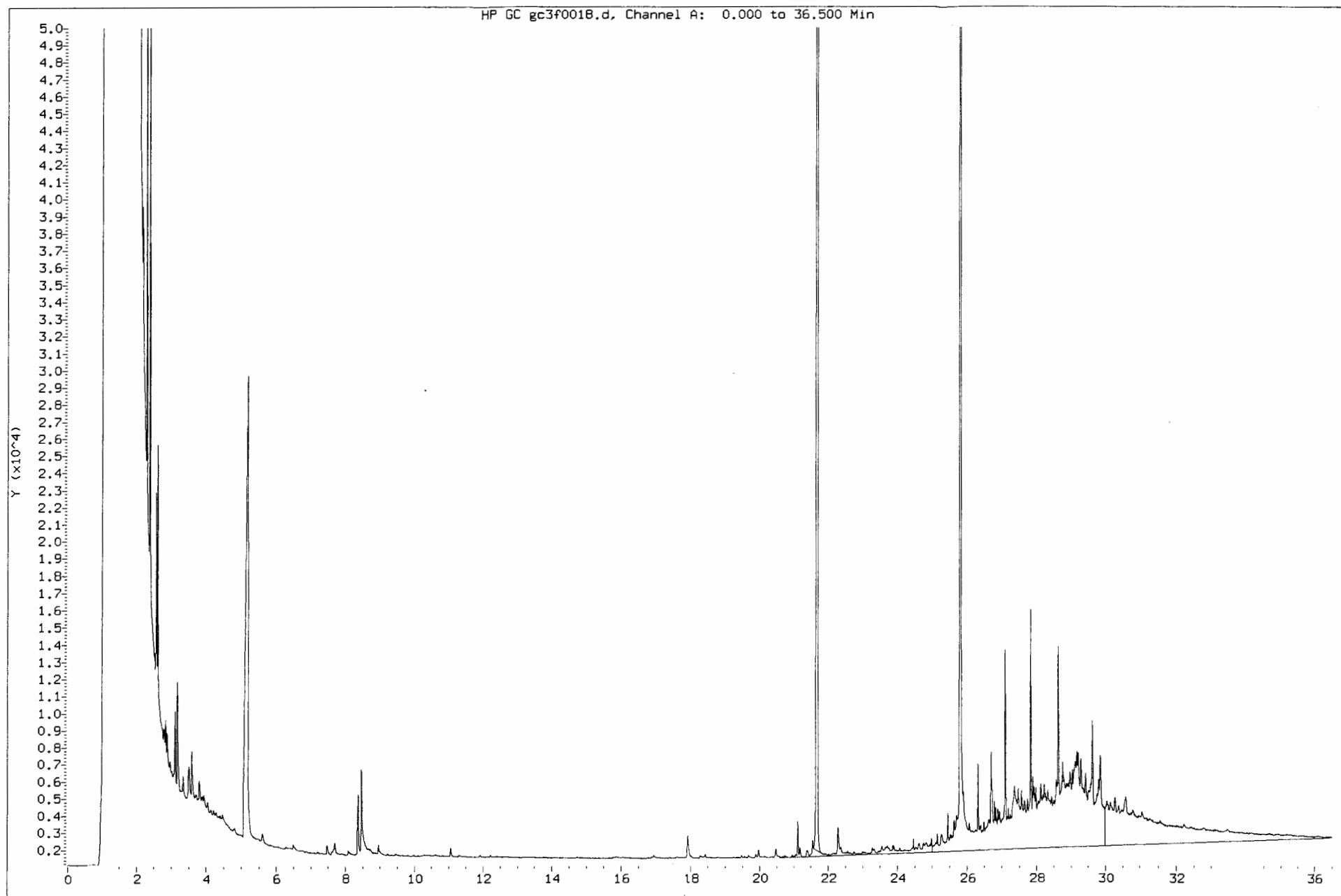
Page 3

801000



Data File: /var/chem/GC3.1/1103d.b/gc3f0018.d
Injection Date: 03-NOV-2000 22:32
Instrument: GC3.1
Client Sample ID:

000109



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0023.d
Lab Smp Id: A100547-12-S0
Inj Date : 04-NOV-2000 02:22
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-12-S0;S0
Misc Info : 3;2;;30;2;1;T000318TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 20 QC Sample: S0
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	22.223	19.500	2.723	53467	41.2341	2.7(M)
2 TPH-extractable, Motor Oil				Compound Not Detected.		
\$ 3 o-Terphenyl	21.583	21.550	0.033	1805342	105.017	7.0(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-12-S0
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: S0
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000318TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	7.0	105.02	40-140

000111

Data File: /var/chem/GC3,i/1103d,b/gc3f0023.d

Date : 04-NOV-2000 02:22

Client ID:

Sample Info: A100547-12-S0;S0

Column phase: MXT-1

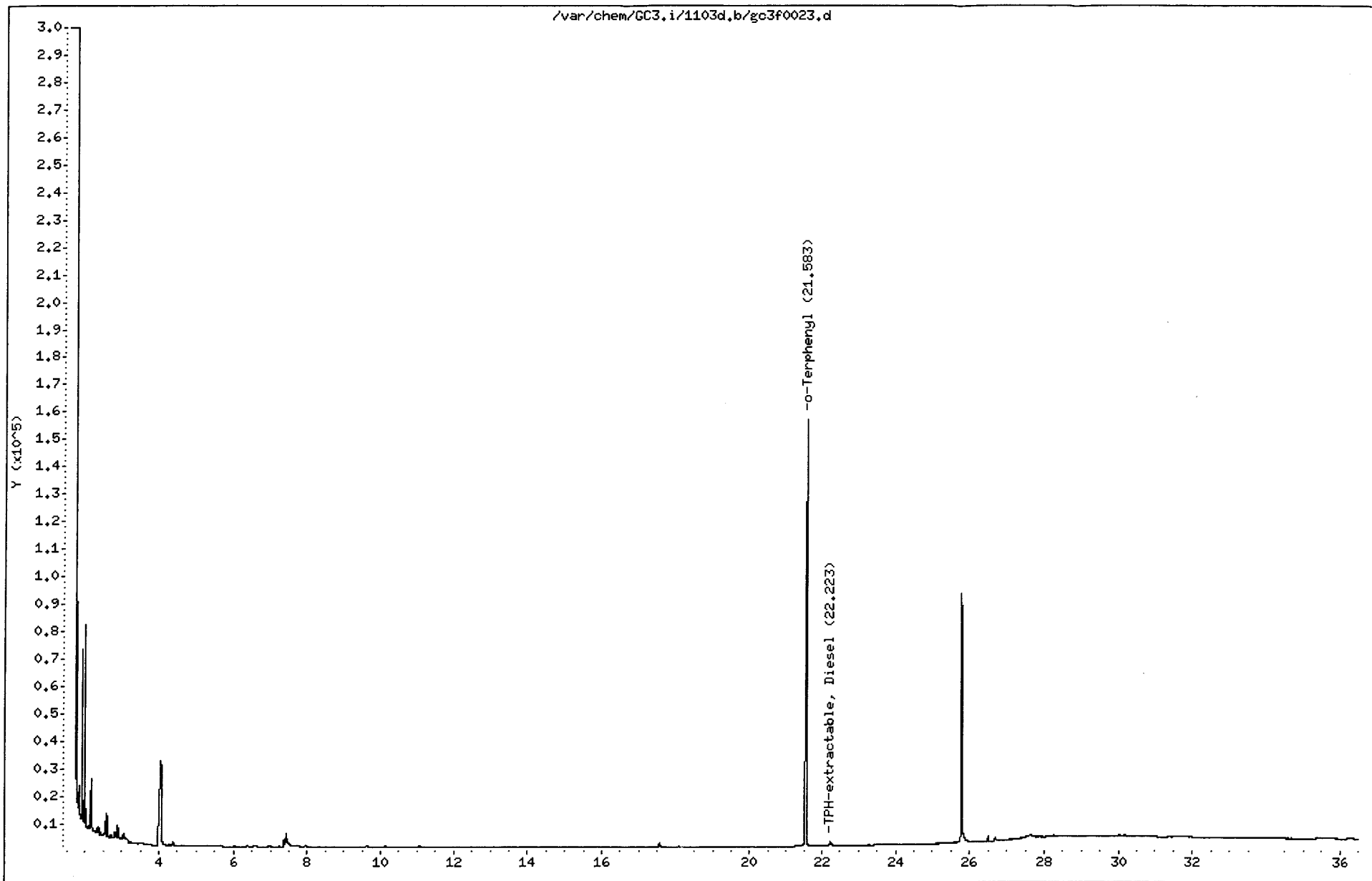
Instrument: GC3,i

Operator: NTA

Column diameter: 0.53

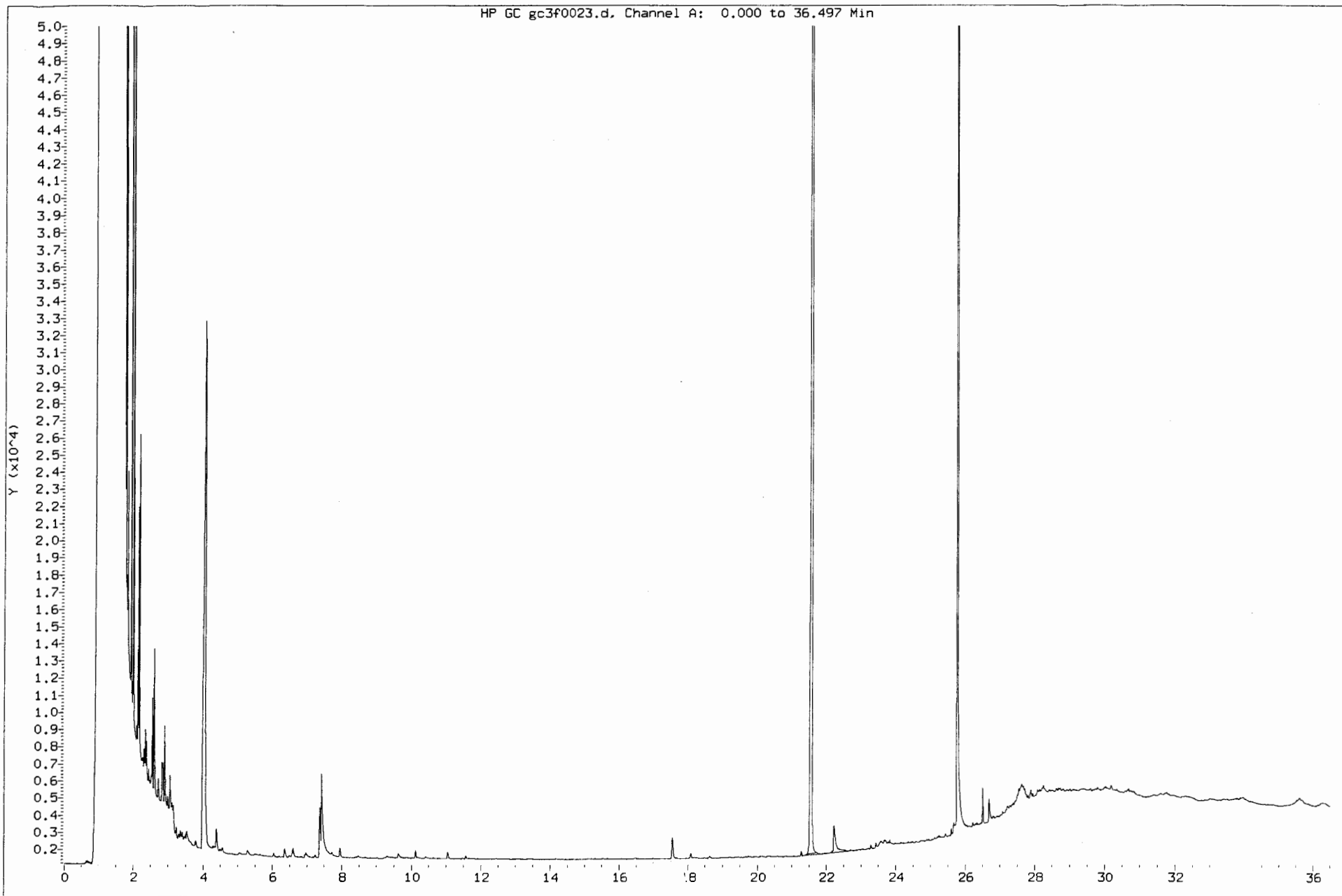
Page 3

000112



Data File: /var/chem/GC3.1/1103d.b/gc3f0023.d
Injection Date: 04-NOV-2000 02:22
Instrument: GC3.1
Client Sample ID:

000113



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0024.d
Lab Smp Id: A100547-12-L1
Inj Date : 04-NOV-2000 03:08
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-12-L1;L1
Misc Info : 3;2;;30;2;1;T000318TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 21 QC Sample: L1
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	19.453	19.500	-0.047	12362772	987.228	65.8(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
\$ 3 o-Terphenyl	21.587	21.550	0.037	1858038	108.034	7.2(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-12-L1
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: L1
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000318TPH

SPIKE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
1 TPH-extractable, D	66.7	65.8	98.72	40-140

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	7.2	108.03	40-140

Data File: /var/chem/GC3.i/1103d.b/gc3f0024.d

Date : 04-NOV-2000 03:08

Client ID:

Sample Info: A100547-12-L1;L1

Column phase: HXT-1

Instrument: GC3.i

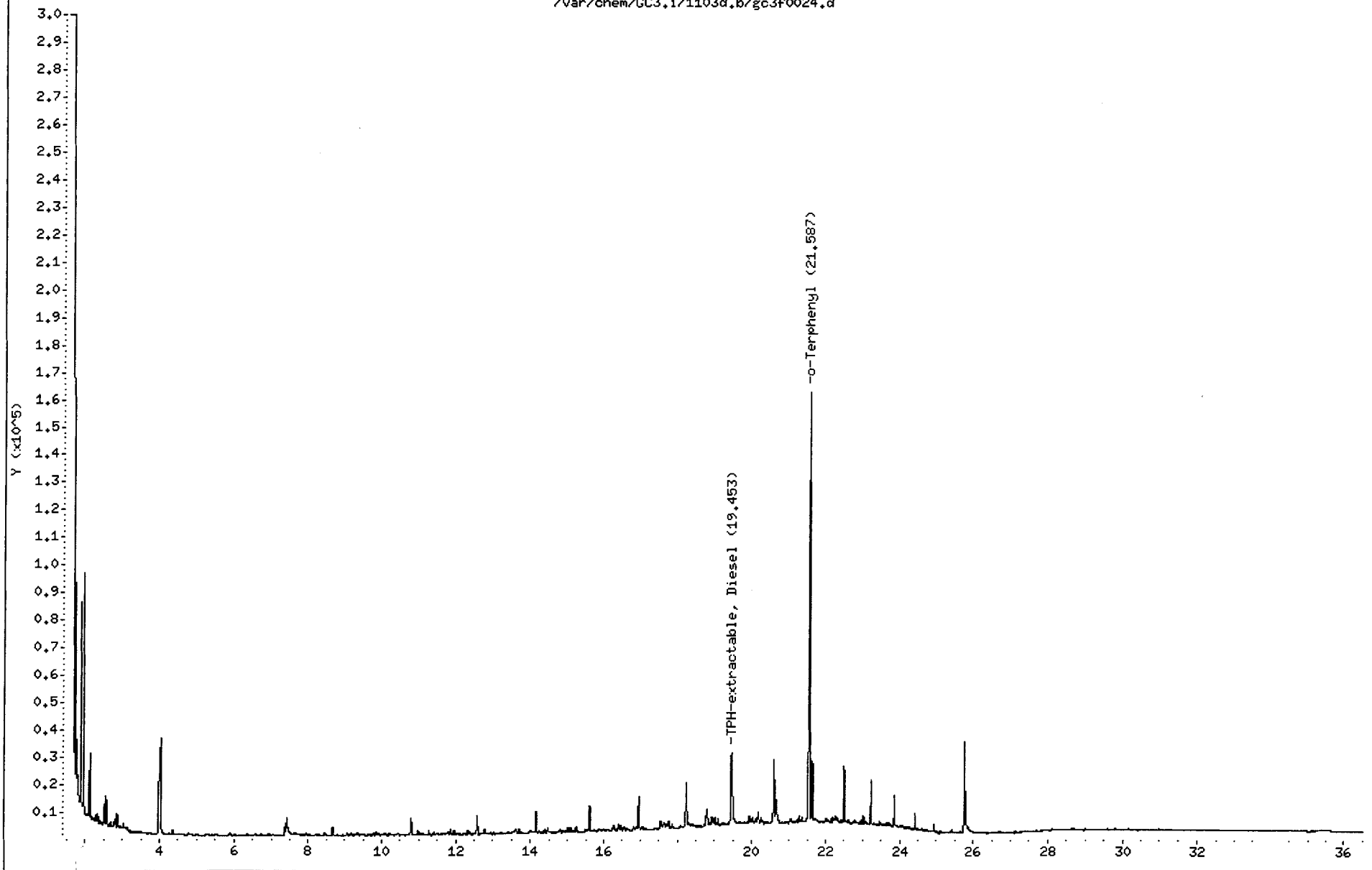
Operator: NTA

Column diameter: 0.53

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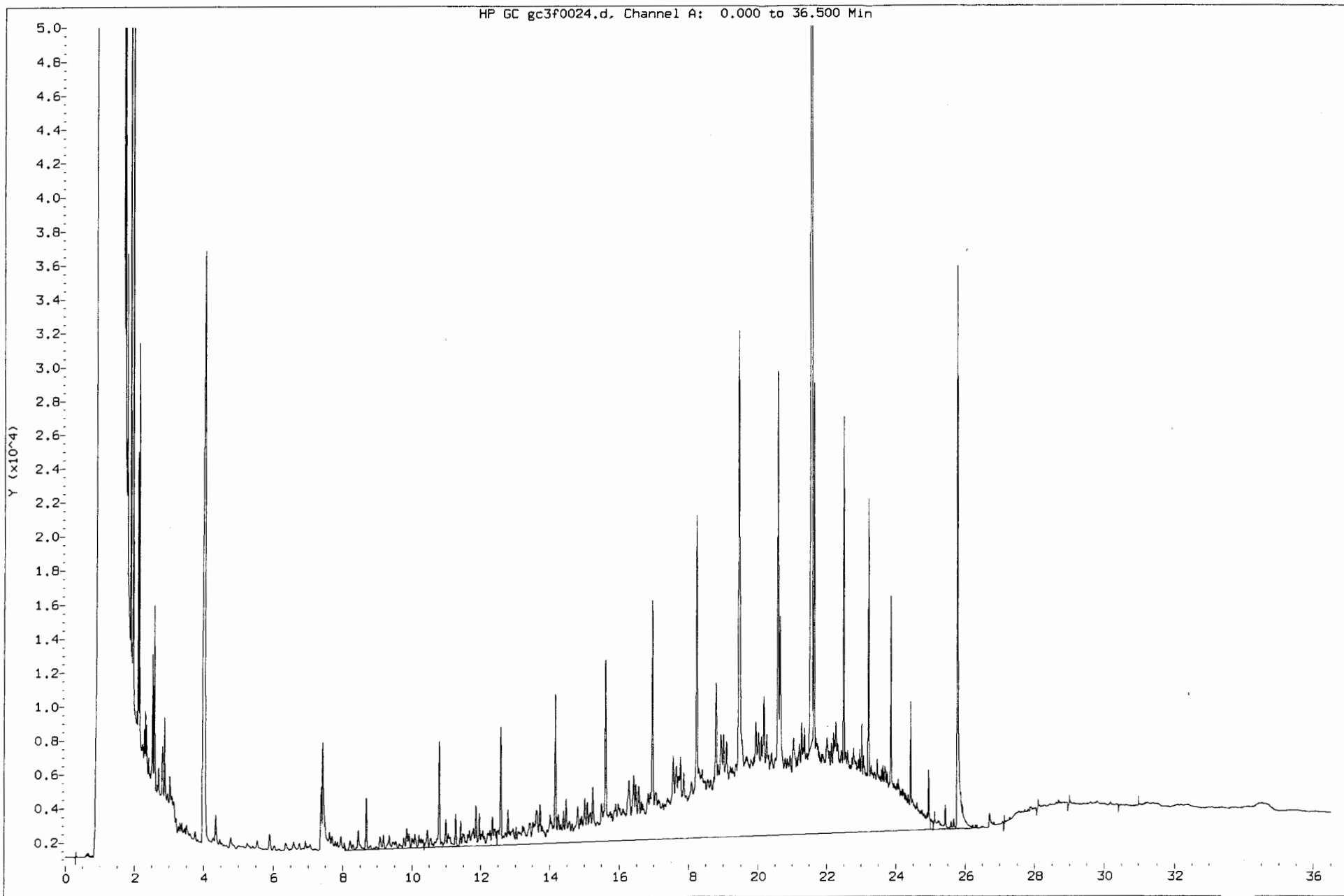
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/var/chem/GC3.i/1103d.b/gc3f0024.d



Data File: /var/chem/GC3.i/1103d.b/gc3f0024.d
Injection Date: 04-NOV-2000 03:08
Instrument: GC3.i
Client Sample ID:

000117



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0025.d
 Lab Smp Id: A100547-12-L2
 Inj Date : 04-NOV-2000 03:54
 Operator : NTA Inst ID: GC3.i
 Smp Info : A100547-12-L2;L2
 Misc Info : 3;2;;30;2;1;T000318TPH
 Comment :
 Method : /var/chem/GC3.i/1103d.b/diesel_f.m
 Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
 Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
 Als bottle: 22 QC Sample: L2
 Dil Factor: 1.00000
 Integrator: HP Genie Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Local Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	19.450	19.500	-0.050	11702300	936.540	62.4(M)
2 TPH-extractable, Motor Oil	Compound Not Detected.					
\$ 3 o-Terphenyl	21.583	21.550	0.033	1727971	100.580	6.7(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-12-L2
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: L2
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;1;T000318TPH

SPIKE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
1 TPH-extractable, D	66.7	62.4	93.65	40-140

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.7	100.58	40-140

Data File: /var/chem/GC3.i/1103d.b/gc3f0025.d

Date : 04-NOV-2000 03:54

Client ID:

Sample Info: A100547-12-L2;L2

Column phase: MXT-1

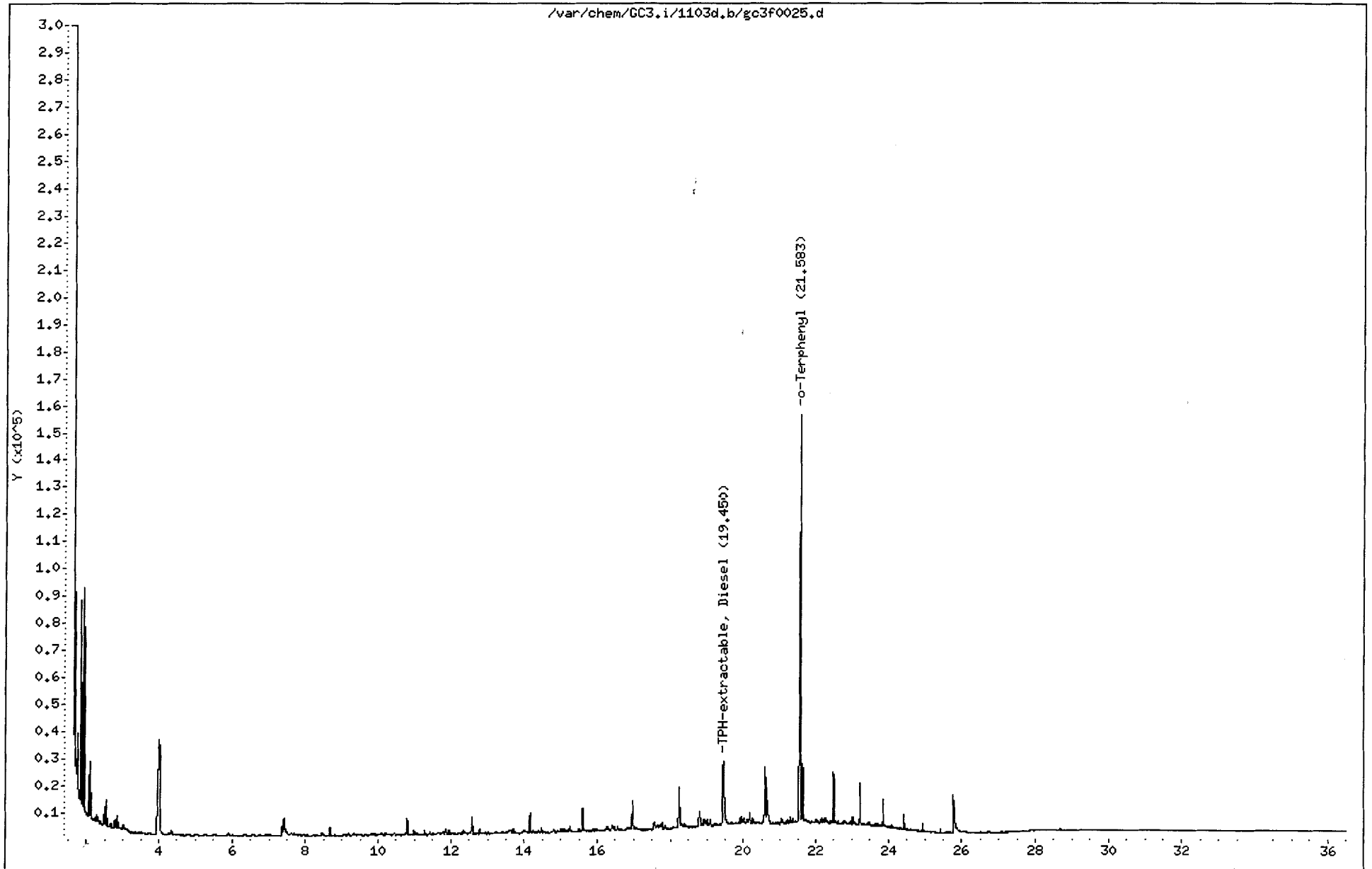
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

Page 3

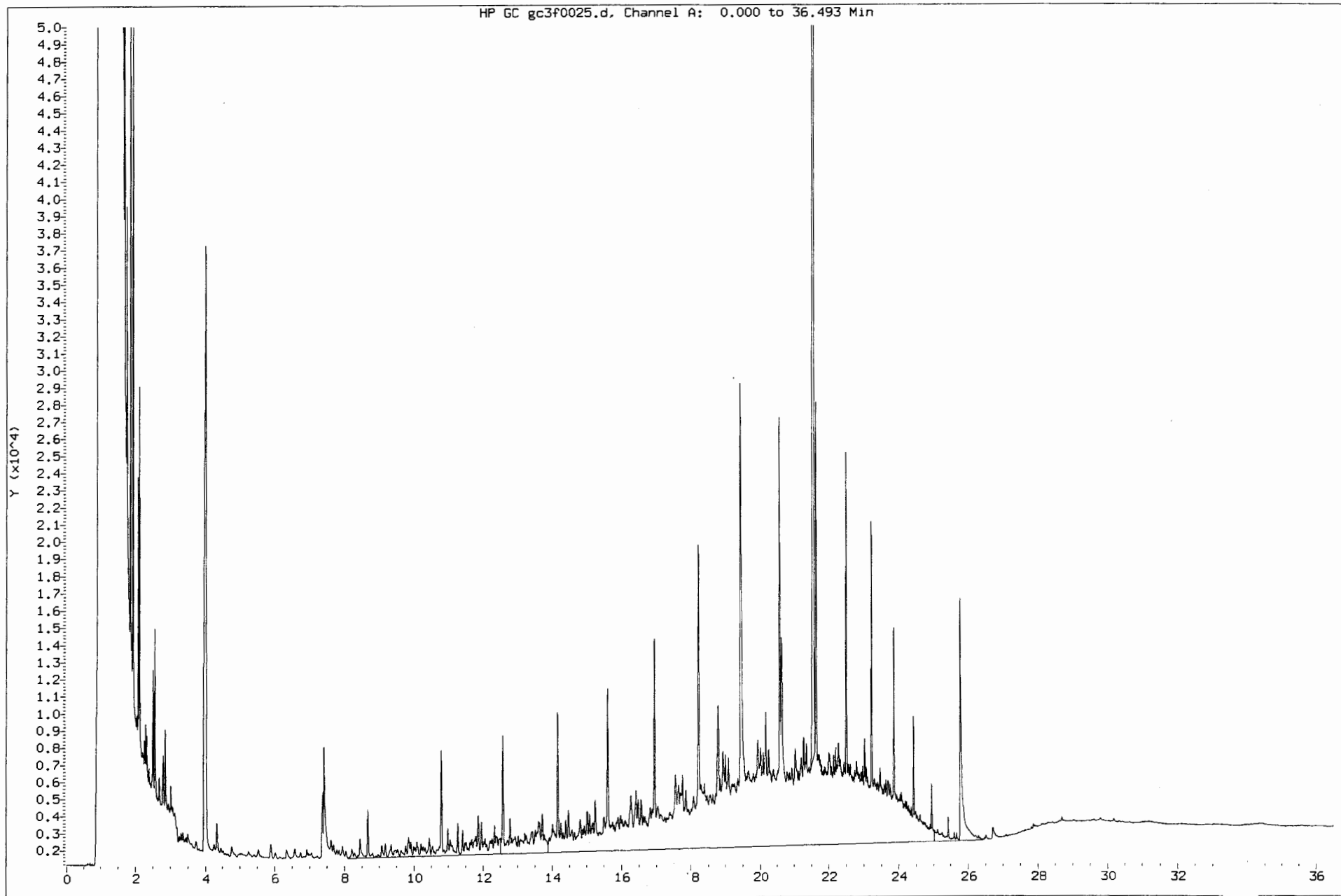
000120



Data File: /var/chem/GC3.1/1103d.b/gc3f0025.d
Injection Date: 04-NOV-2000 03:54
Instrument: GC3.1
Client Sample ID:

000121

HP GC gc3f0025.d, Channel A: 0.000 to 36.493 Min



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0026.d
Lab Smp Id: A100547-12R
Inj Date : 04-NOV-2000 04:40
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-12R;;2X
Misc Info : 3;2;;30;2;2;T000318TPH
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 23 QC Sample: BLANK
Dil Factor: 2.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.900	19.500	4.400	2194093	205.946	27.4(M)
2 TPH-extractable, Motor Oil	28.113	28.980	-0.867	12747689	2379.49	317(M)
\$ 3 o-Terphenyl	21.570	21.550	0.020	805314	46.9379	6.2(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1103d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-12R
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: BLANK
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1103d.b/diesel_f.m
Misc Info: 3;2;;30;2;2;T000318TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.2	93.88	40-140

Data File: /var/chem/GC3.i/1103d.b/gc3f0026.d

Date : 04-NOV-2000 04:40

Client ID:

Instrument: GC3.i

Sample Info: A100547-12R;;2X

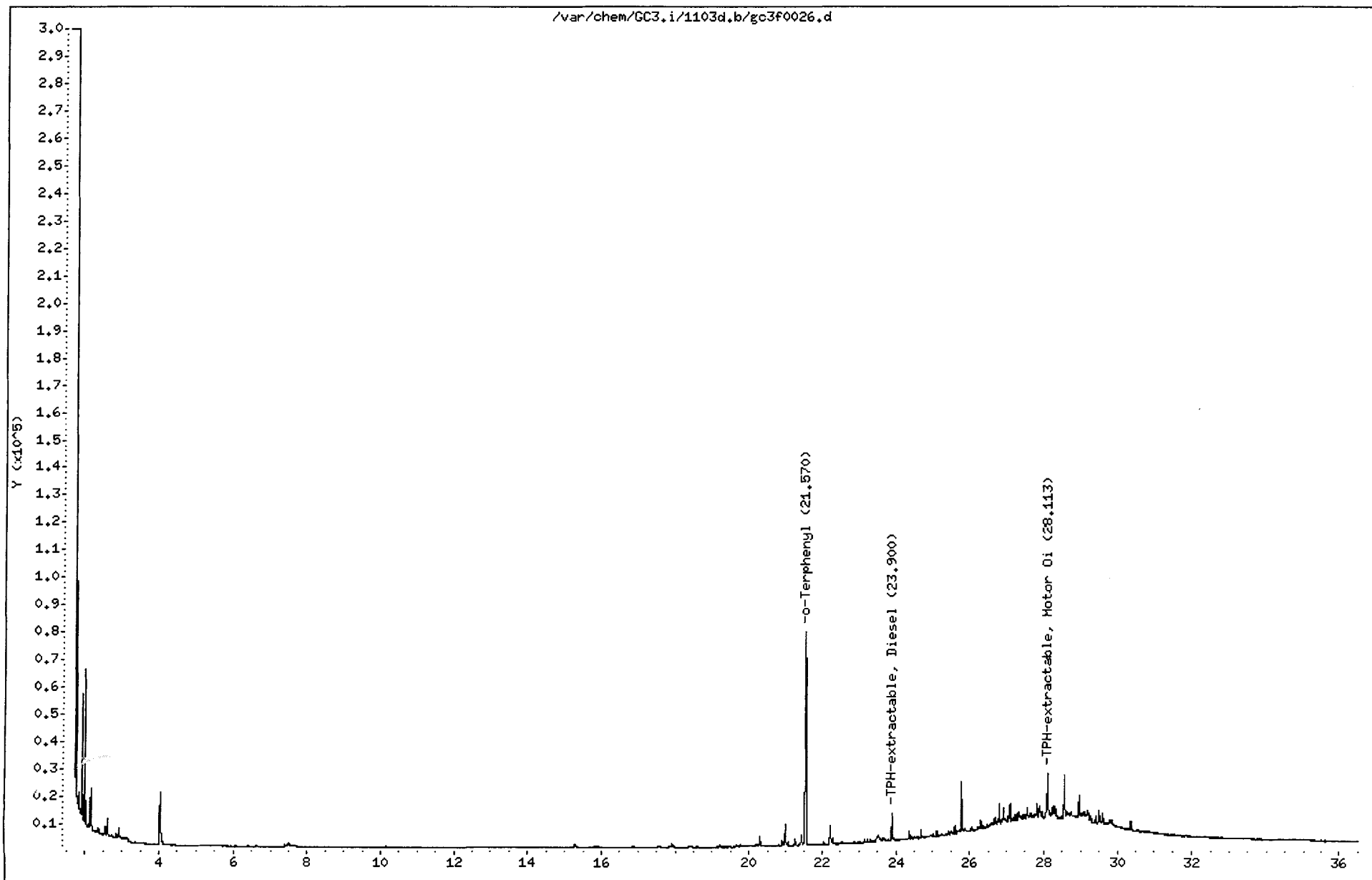
Operator: NTA

Column phase: MXT-1

Column diameter: 0,53

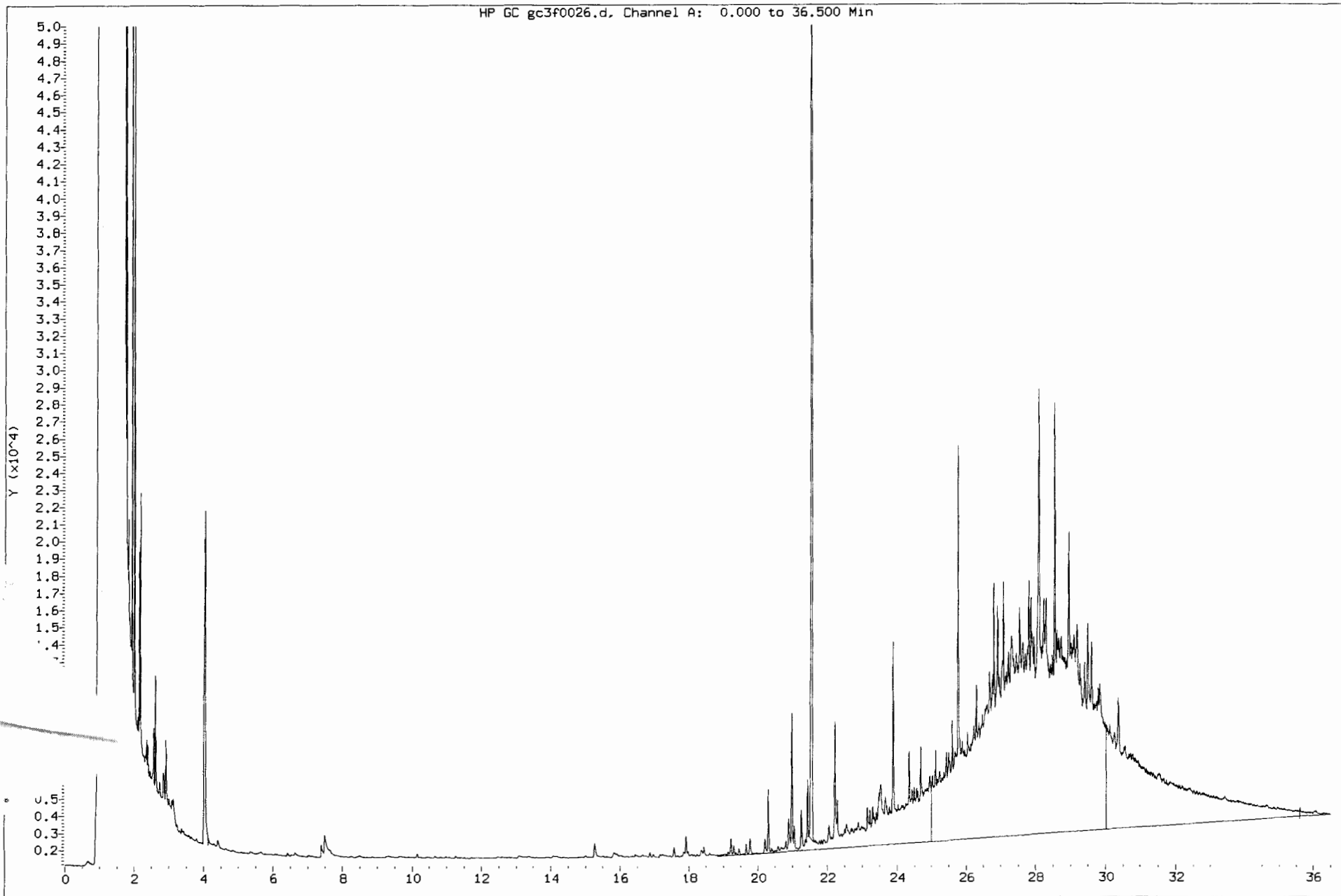
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/var/chem/GC3.i/1103d.b/gc3f0026.d



Data File: /var/chem/GC3.1/1103d.b/gc3f0026.d
Injection Date: 04-NOV-2000 04:40
Instrument: GC3.1
Client Sample ID:

000125



Data File: /var/chem/GC3.i/1103d.b/gc3f0027.d

Page 2

Report Date: 17-Nov-2000 09:19

Caltest Analytical Laboratory

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: GC3.i Injection Date: 04-NOV-2000 05:25
 Lab File ID: gc3f0027.d Init. Cal. Date(s): 29-AUG-2000 30-AUG-2000
 Analysis Type: Init. Cal. Times: 18:19 05:16
 Lab Sample ID: DIESEL 1000/100 Quant Type: ESTD
 Method: /var/chem/GC3.i/1103d.b/diesel_f.m

COMPOUND	CCAL		MIN		MAX		CURVE TYPE
	RRF / AMOUNT	RF1000	RRF1000	RRF %D / %DRIFT	%D / %DRIFT		
1 TPH-extractable, Diesel	999	1000	12518	0.000	0.1	15.0	Quadratic
\$ 3 o-Terphenyl	106	100	18260	0.000	-6.2	15.0	Quadratic

000126

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1103d.b/gc3f0027.d
Lab Smp Id: DIESEL 1000/100
Inj Date : 04-NOV-2000 05:25
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 1000/100
Misc Info : 2;3;;;;G-102400-13;5
Comment :
Method : /var/chem/GC3.i/1103d.b/diesel_f.m
Meth Date : 06-Nov-2000 16:58 nta Quant Type: ESTD
Cal Date : 30-AUG-2000 05:16 Cal File: gc3f0026.d
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP RT	DLT	RT	RESPONSE	AMOUNTS	
						CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	16.943	19.500	-2.557	12518303	1000.00	999(M)	
2 TPH-extractable, Motor Oil	Compound Not Detected.						
3 o-Terphenyl	21.560	21.550	0.010	1826024	100.000	106(M)	

QC Flag Legend

M - Compound response manually integrated.

000127

Data File: /var/chem/GC3.i/1103d,b/gc3f0027.d

Date : 04-NOV-2000 05:25

Client ID:

Sample Info: DIESEL 1000/100

Column phase: MXT-1

Page 2

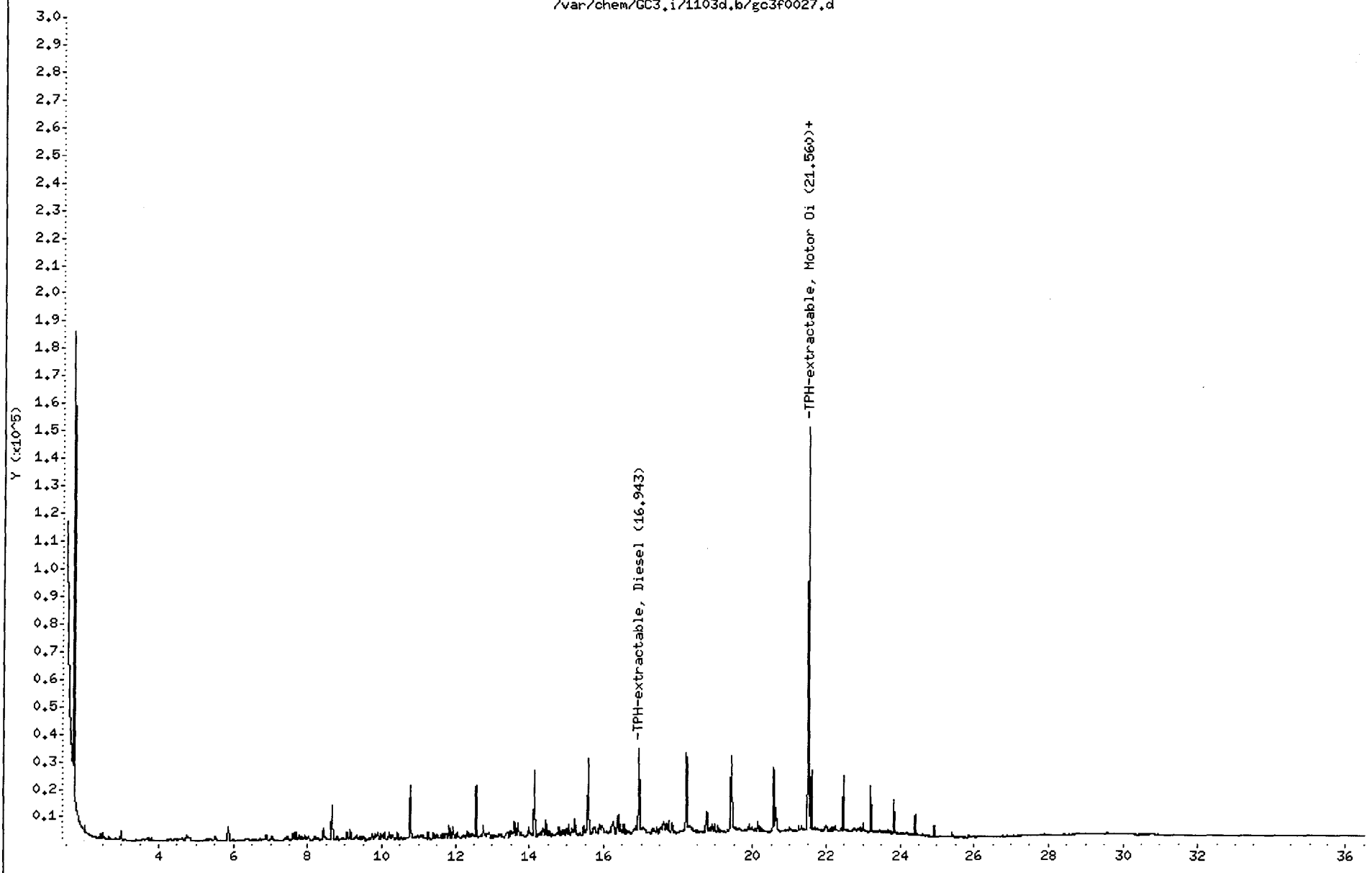
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

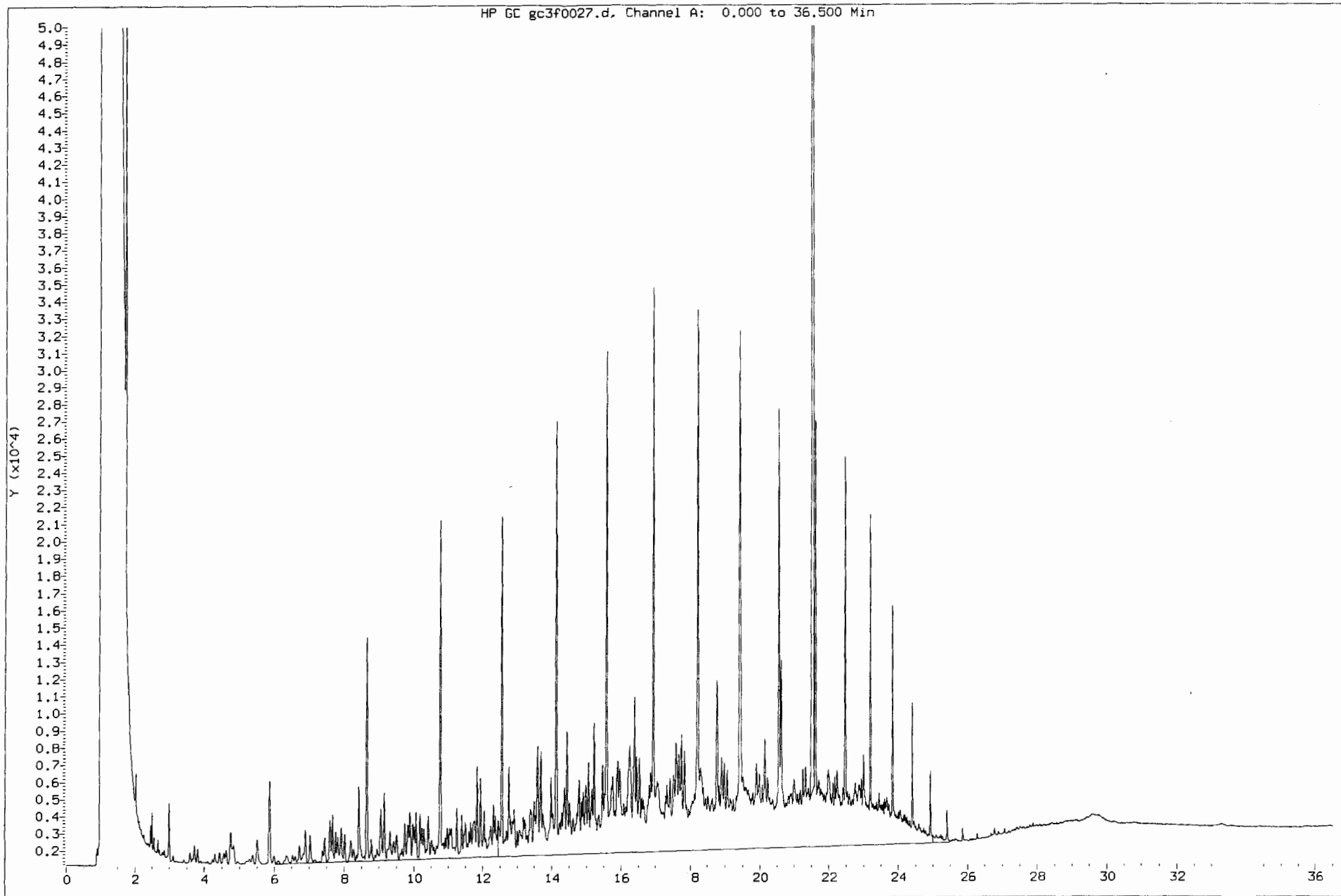
000128

/var/chem/GC3.i/1103d,b/gc3f0027.d



Data File: /var/chem/GC3.1/1103d.b/gc3f0027.d
Injection Date: 04-NOV-2000 05:25
Instrument: GC3.1
Client Sample ID:

000129



Data File	Date-Time	Sample ID	Batch-Std ID	Matrix	Sublist	Run Comments (pH)
gc3f0001.d	27-NOV-2000 14:35	MeCL2	1127d	NONE	all	
gc3f0002.d	27-NOV-2000 15:13	DIESEL 1000/100	G-112200-1	NONE	all	Pass
gc3f0003.d	27-NOV-2000 15:59	MOTOR OIL 2000	G-090800-1	NONE	all	
gc3f0004.d	27-NOV-2000 16:59	A110090-1-L1	T000327TPH	WATER	all	
gc3f0005.d	27-NOV-2000 17:37	MB1-T000315	T000315TPH	SOIL	all	
gc3f0006.d	27-NOV-2000 18:23	MB2-T000315	T000315TPH	SOIL	all	
gc3f0007.d	27-NOV-2000 19:09	MB-T000318	T000318TPH	SOIL	all	
gc3f0008.d	27-NOV-2000 19:55	A100547-13 10x	T000315TPH	SOIL	all	
gc3f0009.d	27-NOV-2000 20:41	A100547-14	T000315TPH	SOIL	all	
gc3f0010.d	27-NOV-2000 21:27	A100547-15	T000315TPH	SOIL	all	
gc3f0011.d	27-NOV-2000 22:12	A100547-16	T000315TPH	SOIL	all	
gc3f0012.d	27-NOV-2000 22:58	A100547-12R 10x	T000315TPH	SOIL	all	
gc3f0013.d	27-NOV-2000 23:43	A110791-3 10x	T000314TPH	WATER	all	
gc3f0014.d	28-NOV-2000 00:28	DIESEL 1000/100	G-112200-1	NONE	all	Pass
gc3f0015.d	28-NOV-2000 01:13	DIESEL 1000/100	G-112200-1	NONE	all	
gc3f0016.d	28-NOV-2000 01:58	MOTOR OIL 2000	G-090800-1	NONE	all	
gc3f0017.d	28-NOV-2000 02:43	MOTOR OIL 2000	G-090800-1	NONE	all	
gc3f0018.d	28-NOV-2000 03:28	A110049-3	T000333TPH	SOIL	all	
gc3f0019.d	28-NOV-2000 04:13	A110049-4	T000333TPH	SOIL	all	
gc3f0020.d	28-NOV-2000 04:58	A110287-2-S0	T000331TPH	WATER	all	
gc3f0021.d	28-NOV-2000 05:44	A110287-2-L1	T000331TPH	WATER	all	
gc3f0022.d	28-NOV-2000 06:29	A110287-2-L2	T000331TPH	WATER	all	
gc3f0023.d	28-NOV-2000 07:14	A110287-2-S1	T000331TPH	WATER	all	
gc3f0024.d	28-NOV-2000 08:00	A110287-2-S2	T000331TPH	WATER	all	

COLUMNS: DB-5 MS METHODS: Diesel - F ISTD: N/A
 OPERATOR: NTA

Caltest Analytical Laboratory

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: GC3.i Injection Date: 27-NOV-2000 15:13
Lab File ID: gc3f0002.d Init. Cal. Date(s): 14-NOV-2000 15-NOV-2000
Analysis Type: Init. Cal. Times: 18:04 05:23
Lab Sample ID: DIESEL 1000/100 Quant Type: ESTD
Method: /var/chem/GC3.i/1127d.b/diesel_f.m

COMPOUND	RRF / AMOUNT	RF1000	MIN		MAX		CURVE TYPE
			RRF	%D / %DRIFT	%D / %DRIFT		
1 TPH-extractable, Diesel	12040	12426	0.000	-3.2	15.0	Averaged	
\$ 3 o-Terphenyl	17034	16959	0.000	0.4	15.0	Averaged	

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0002.d
Lab Smp Id: DIESEL 1000/100
Inj Date : 27-NOV-2000 15:13
Operator : NTA Inst ID: GC3.i
Smp Info : DIESEL 1000/100
Misc Info : 2;3;;;;G-112200-1;5
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP	RT	DLT	RT	RESPONSE	AMOUNTS	
							CAL-AMT (ug/mL)	ON-COL (ug/mL)
1 TPH-extractable, Diesel	16.890	19.463	-2.573		12426101	1000.00	1030(M)	
2 TPH-extractable, Motor Oil					Compound Not Detected.			
3 o-Terphenyl	21.503	21.530	-0.027		1695897	100.000	99.6(M)	

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1127d,b/gc3f0002.d

Date : 27-NOV-2000 15:13

Client ID:

Sample Info: DIESEL 1000/100

Column phase: MXT-1

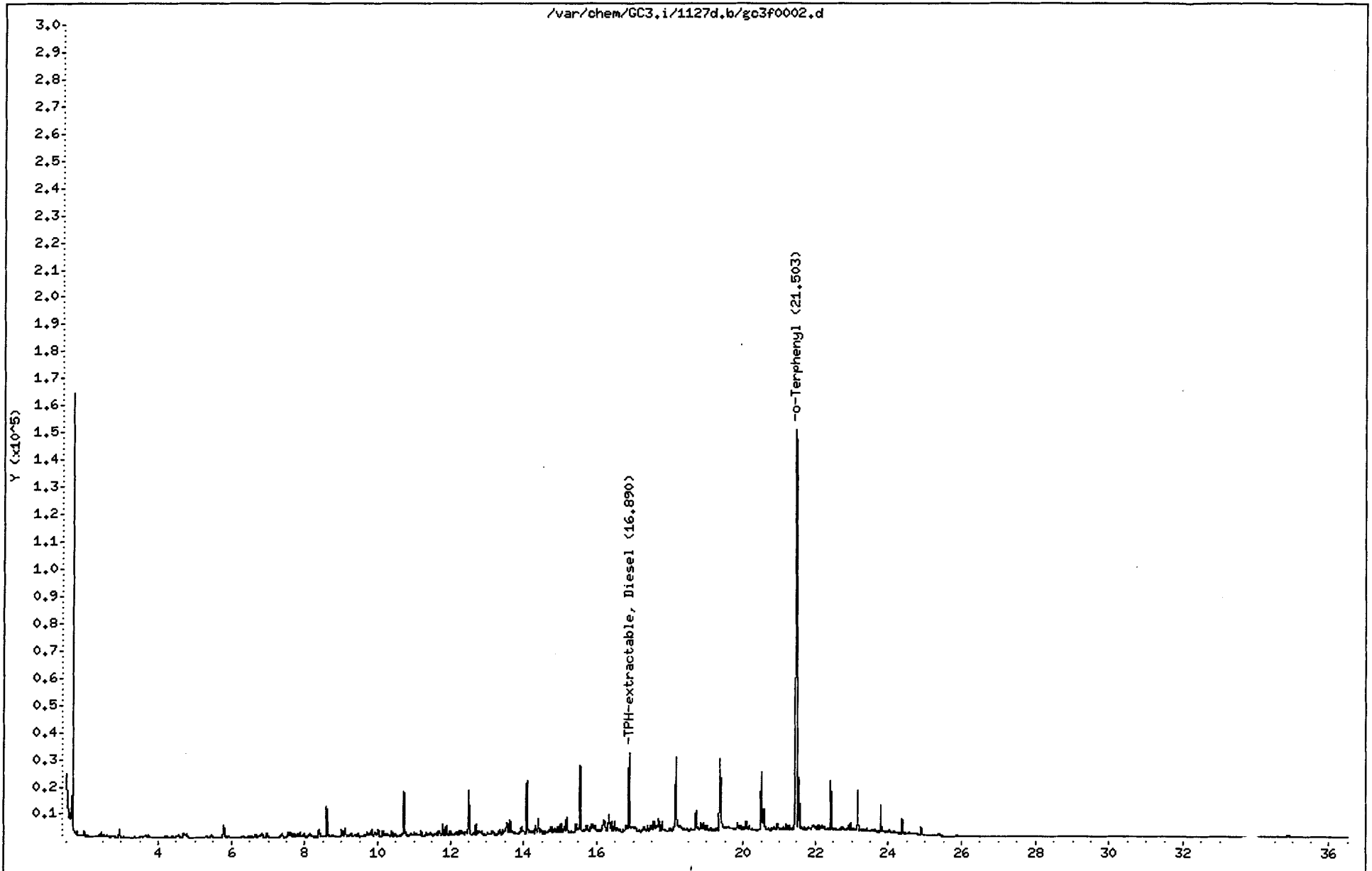
Page 2

Instrument: GC3.i

Operator: NTA

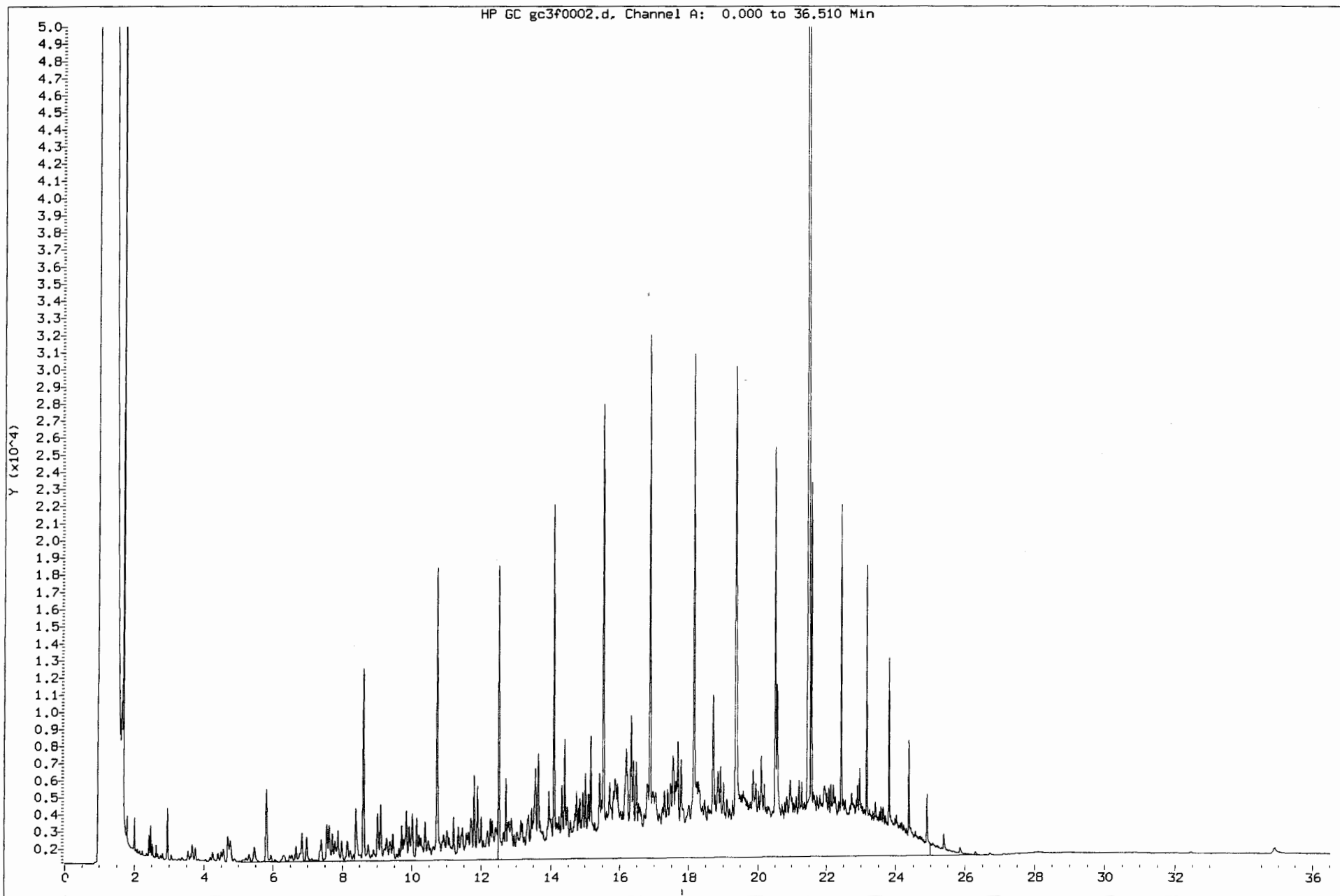
Column diameter: 0.53

000133



Data File: /var/chem/GC3.1/1127d.b/gc3f0002.d
Injection Date: 27-NOV-2000 15:13
Instrument: GC3.1
Client Sample ID:

000134



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0003.d
Lab Smp Id: MOTOR OIL 2000
Inj Date : 27-NOV-2000 15:59
Operator : NTA Inst ID: GC3.i
Smp Info : MOTOR OIL 2000
Misc Info : 2;3;;;;;G-090800-1;11
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Compounds	RT	EXP	RT	DLT	RT	RESPONSE	AMOUNTS	
							CAL-AMT	ON-COL
	==	=====	=====			=====	=====	
1 TPH-extractable, Diesel						Compound Not Detected.		
2 TPH-extractable, Motor Oil	28.220	28.890	-0.670			9046149	0.00000	1760(M)
3 o-Terphenyl						Compound Not Detected.		

QC Flag Legend

M - Compound response manually integrated.

Data File: /var/chem/GC3.i/1127d,b/gc3f0003.d

Date : 27-NOV-2000 15:59

Client ID:

Sample Info: MOTOR OIL 2000

Column phase: MXT-1

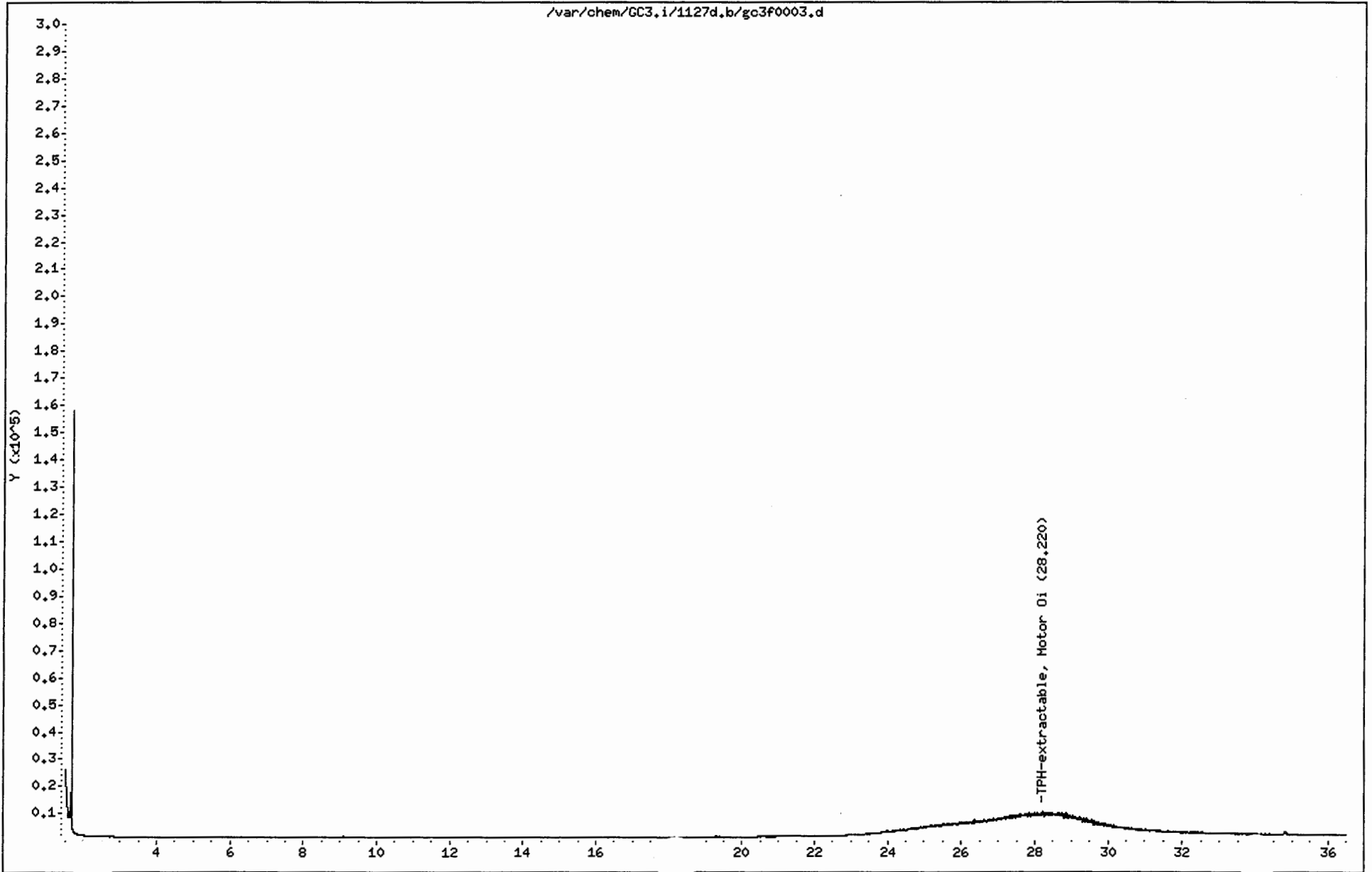
Page 2

Instrument: GC3.i

Operator: NTA

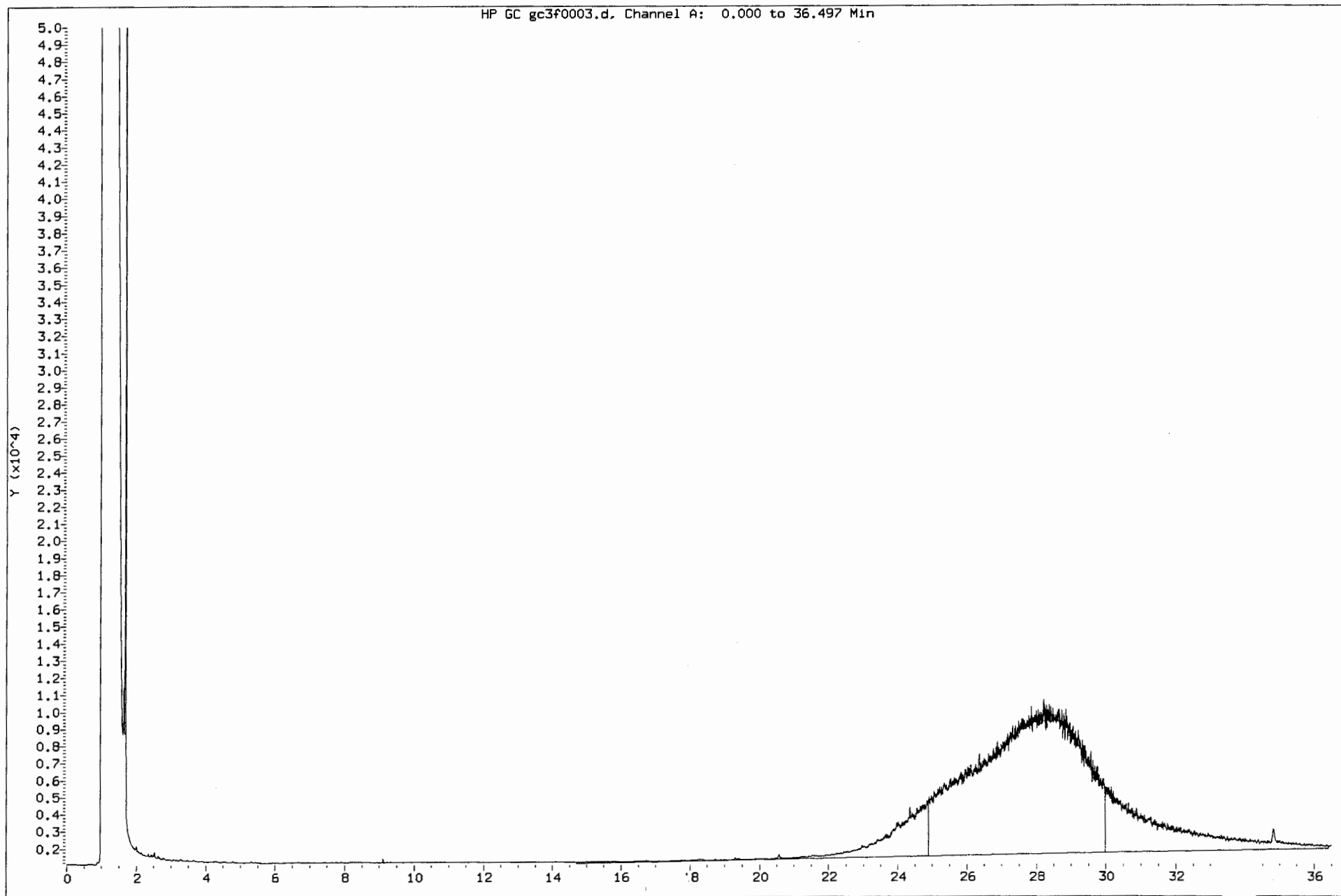
Column diameter: 0.53

000136



Data File: /var/chem/GC3.1/1127d.b/gc3f0003.d
Injection Date: 27-NOV-2000 15:59
Instrument: GC3.1
Client Sample ID:

000137



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0005.d
 Lab Smp Id: MB1-T000315
 Inj Date : 27-NOV-2000 17:37
 Operator : NTA Inst ID: GC3.i
 Smp Info : MB1-T000315
 Misc Info : 3;2;;30.0;2;1;T000315TPH
 Comment :
 Method : /var/chem/GC3.i/1127d.b/diesel_f.m
 Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
 Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
 Als bottle: 5 QC Sample: BLANK
 Dil Factor: 1.00000
 Integrator: HP Genie Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.993	19.463	4.530	82120	6.82059	0.45(M)
2 TPH-extractable, Motor Oil	25.773	28.890	-3.117	558564	108.672	7.2(M)
\$ 3 o-Terphenyl	21.500	21.530	-0.030	1614238	94.7658	6.3(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MB1-T000315
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: BLANK
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 3;2;;30.0;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.3	94.77	40-140

000139

Data File: /var/chem/GC3.i/1127d.b/gc3f0005.d

Date : 27-NOV-2000 17:37

Client ID:

Sample Info: HB1-T000315

Column phase: MXT-1

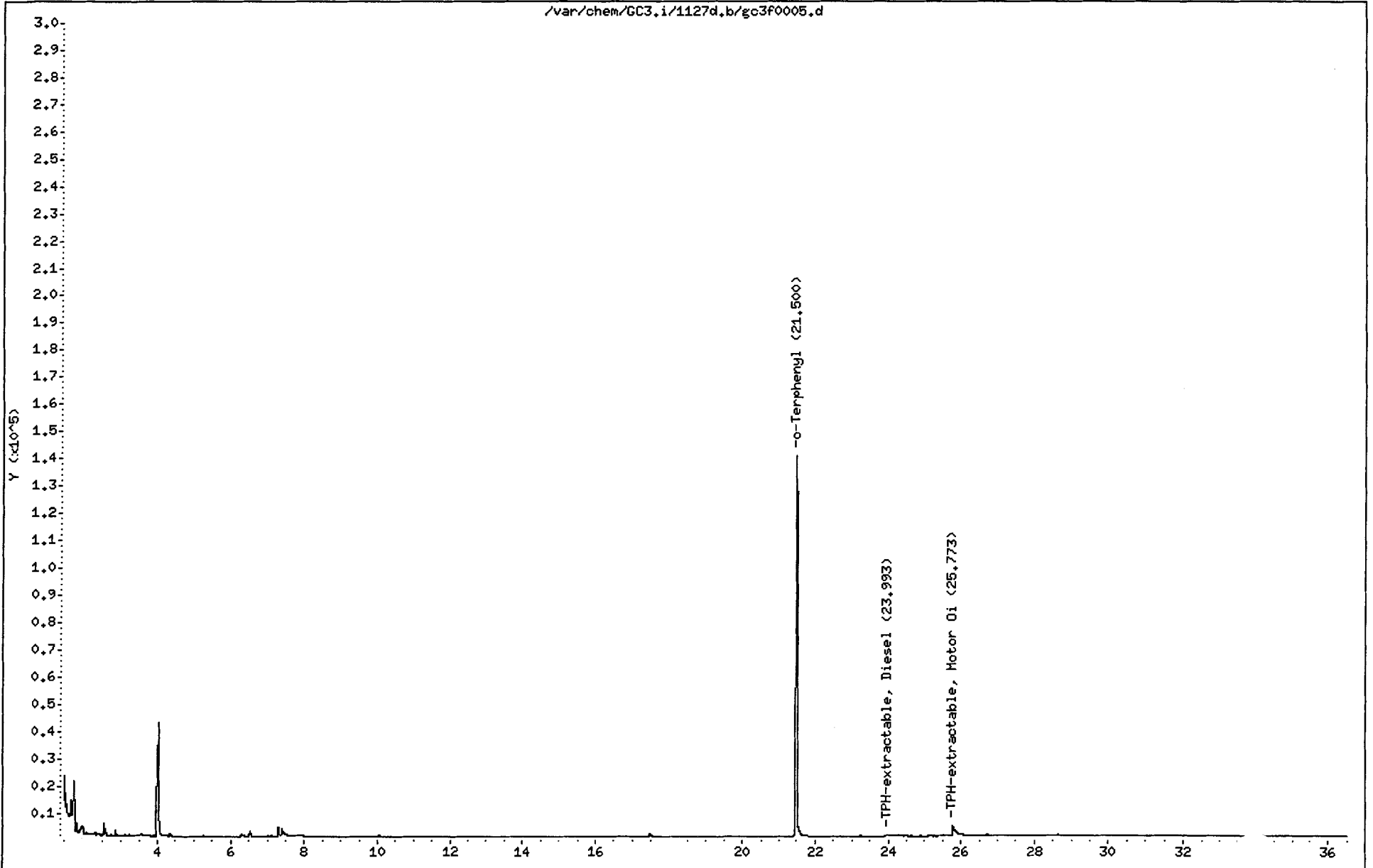
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

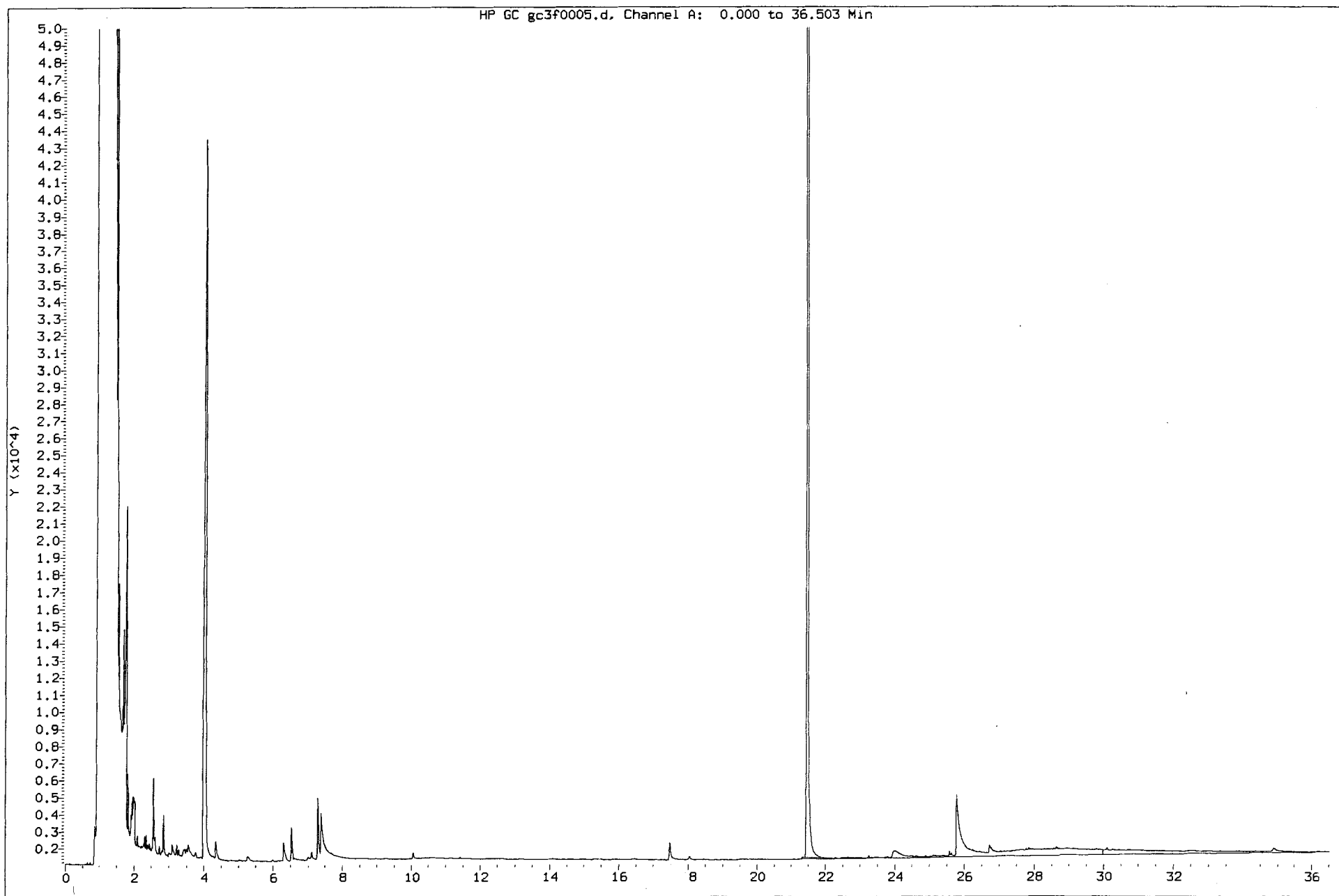
Page 3

000140



Data File: /var/chem/GC3.1/1127d.b/gc3f0005.d
Injection Date: 27-NOV-2000 17:37
Instrument: GC3.1
Client Sample ID:

000141



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0006.d
Lab Smp Id: MB2-T000315
Inj Date : 27-NOV-2000 18:23
Operator : NTA Inst ID: GC3.i
Smp Info : MB2-T000315
Misc Info : 3;2;;30.0;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 6 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.970	19.463	4.507	98040	8.14285	0.54(M)
2 TPH-extractable, Motor Oil	25.777	28.890	-3.113	588916	114.577	7.6(M)
\$ 3 o-Terphenyl	21.500	21.530	-0.030	1657202	97.2880	6.5(M)

QC Flag Legend

M - Compound response manually integrated.

000142

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MB2-T000315
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: BLANK
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 3;2;;30.0;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	0.0	*	40-140

000143

Data File: /var/chem/GC3.i/1127d.b/gc3f0006.d

Date : 27-NOV-2000 18:23

Client ID:

Sample Info: MB2-T000315

Column phase: MXT-1

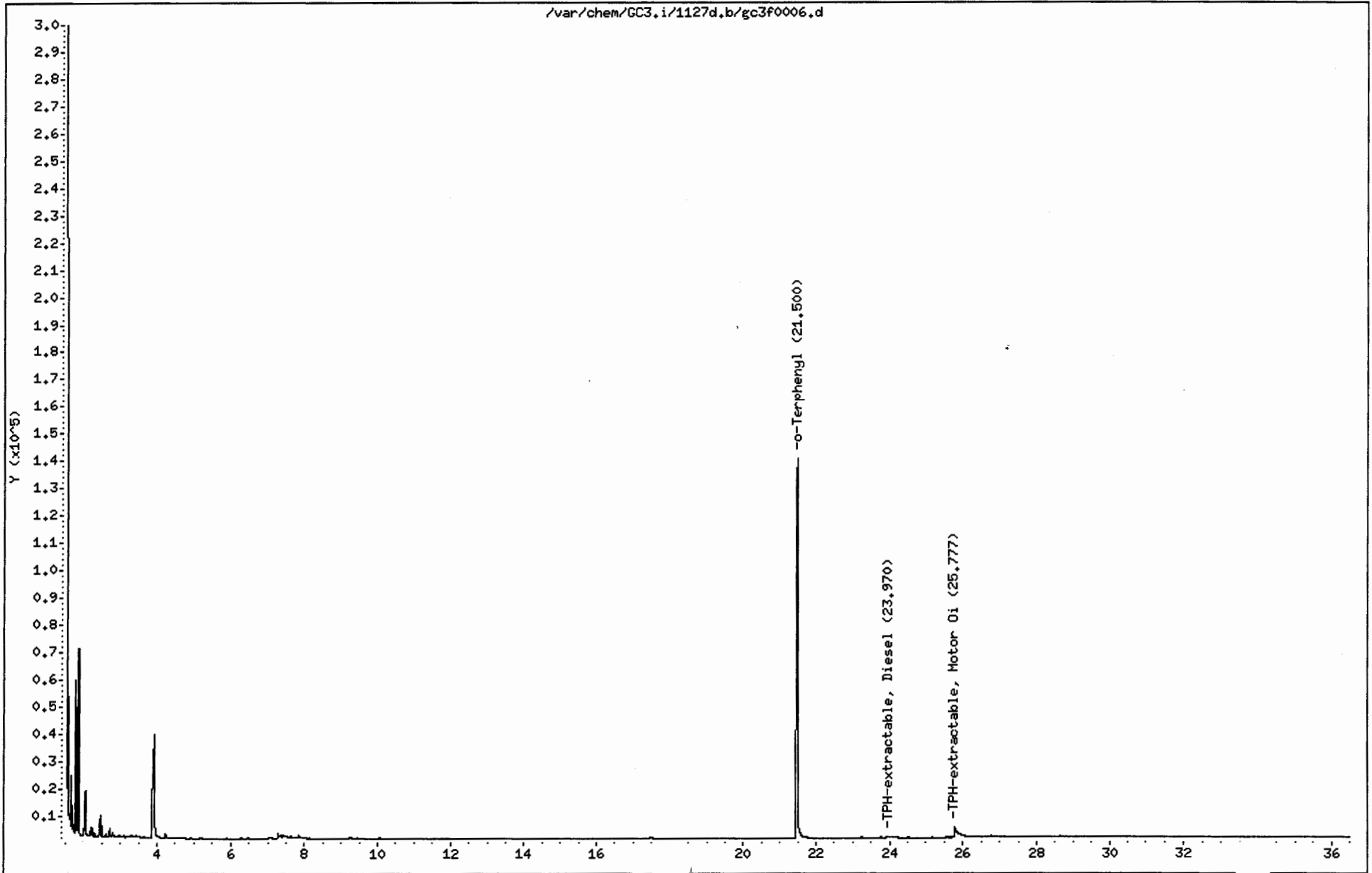
Page 3

Instrument: GC3.i

Operator: NTA

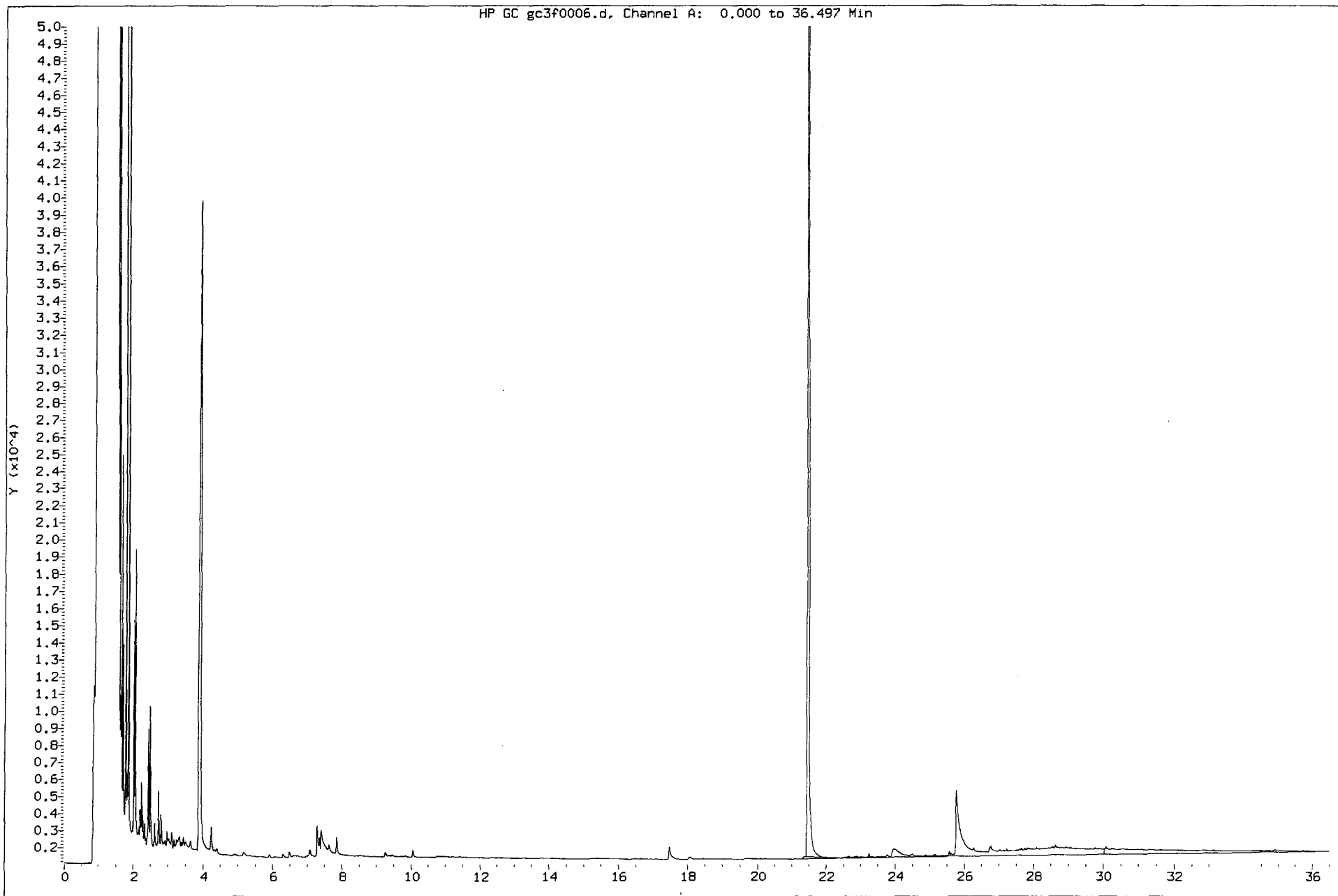
Column diameter: 0.53

000144



Data File: /var/chem/GC3.i/1127d.b/gc3f0006.d
Injection Date: 27-NOV-2000 18:23
Instrument: GC3.i
Client Sample ID:

000145



Report Date: 28-Nov-2000 11:57

Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0007.d

Lab Smp Id: MB-T000318

Inj Date : 27-NOV-2000 19:09

Operator : NTA

Inst ID: GC3.i

Smp Info : MB-T000318

Misc Info : 3;2;;30.0;2;1;T000318TPH

Comment :

Method : /var/chem/GC3.i/1127d.b/diesel_f.m

Meth Date : 28-Nov-2000 11:56 nta

Quant Type: ESTD

Cal Date : 15-NOV-2000 05:23

Cal File: gc3f0024.d

Als bottle: 7

QC Sample: BLANK

Dil Factor: 1.00000

Integrator: HP Genie

Compound Sublist: all.sub

Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable

Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.950	19.463	4.487	20917	1.73733	0.12(M)
2 TPH-extractable, Motor Oil	25.713	28.890	-3.177	1088465	211.767	14.1(M)
\$ 3 o-Terphenyl	21.493	21.530	-0.037	1584142	92.9989	6.2(M)

QC Flag Legend

M - Compound response manually integrated.

000146

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: MB-T000318
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: BLANK
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 3;2;;30.0;2;1;T000318TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.2	93.00	40-140

000147

Data File: /var/chem/GC3.i/1127d.b/gc3f0007.d

Date : 27-NOV-2000 19:09

Client ID:

Sample Info: MB-T000318

Column phase: MXT-1

Instrument: GC3.i

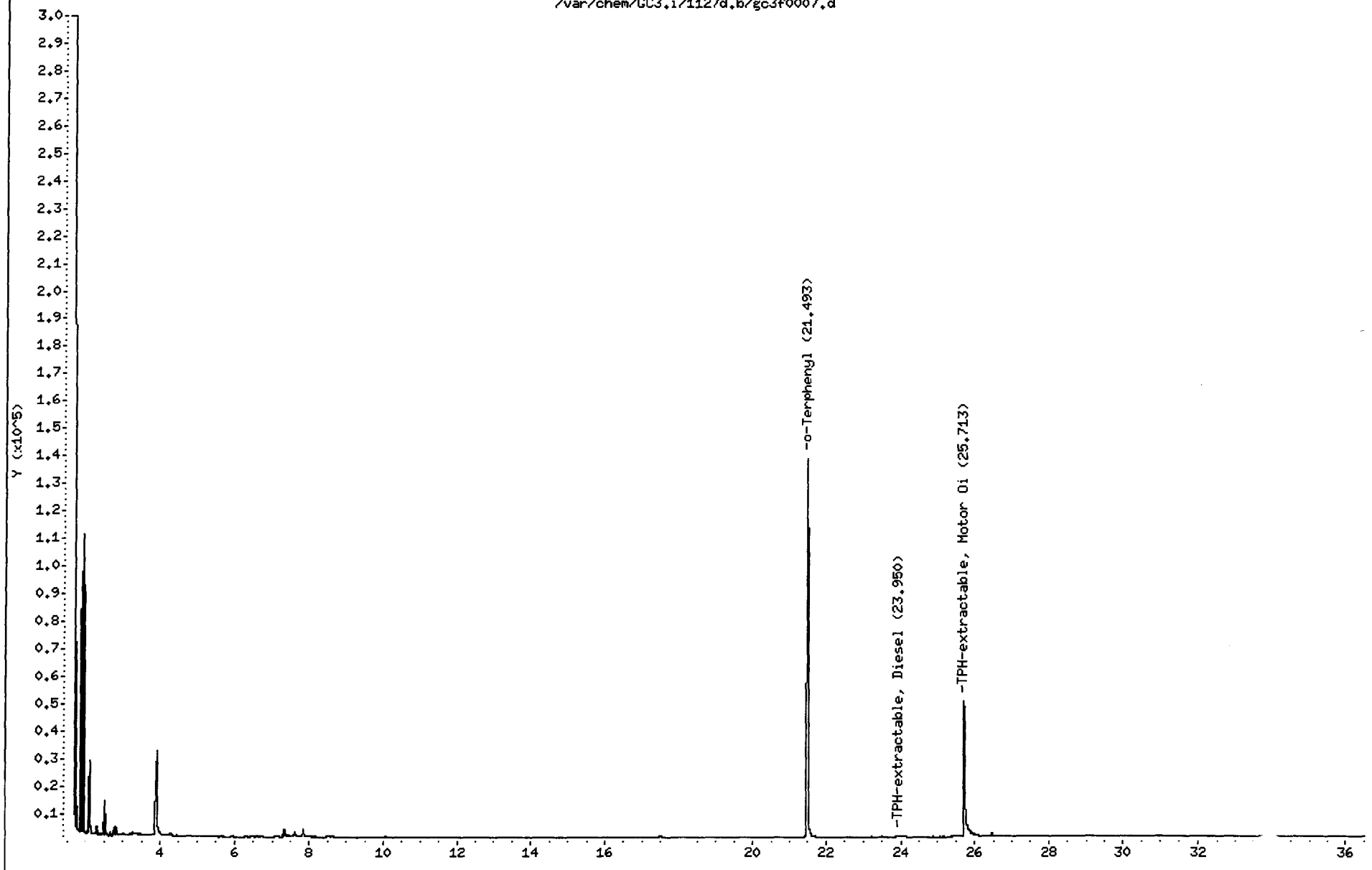
Operator: NTA

Column diameter: 0.53

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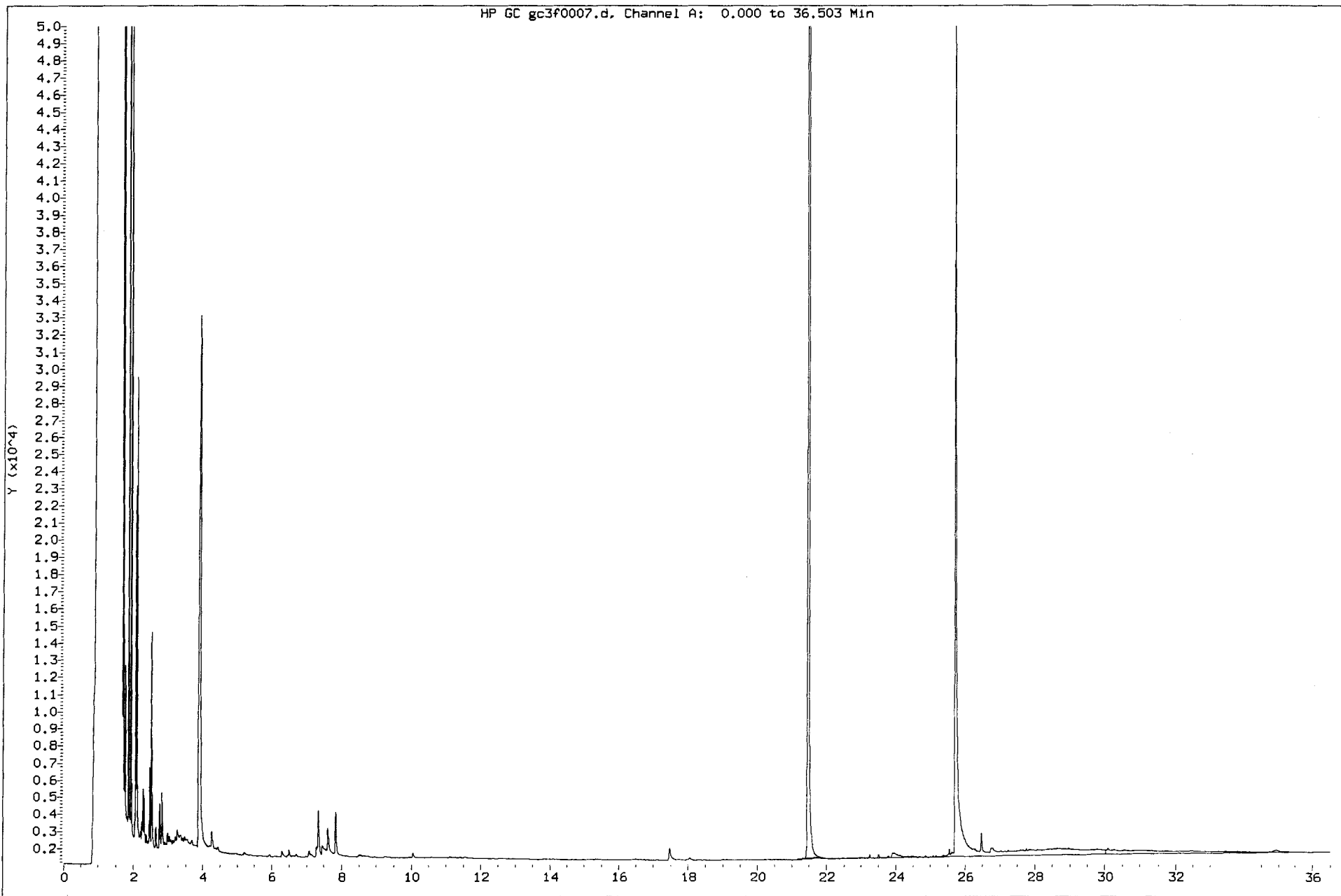
000148

/var/chem/GC3.i/1127d.b/gc3f0007.d



Data File: /var/chem/GC3.1/1127d.b/gc3f0007.d
Injection Date: 27-NOV-2000 19:09
Instrument: GC3.1
Client Sample ID:

000149



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0008.d
 Lab Smp Id: A100547-13
 Inj Date : 27-NOV-2000 19:55
 Operator : NTA Inst ID: GC3.i
 Smp Info : A100547-13;;2X
 Misc Info : 0;2;;30.0;2;2;T000315TPH
 Comment :
 Method : /var/chem/GC3.i/1127d.b/diesel_f.m
 Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
 Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
 Als bottle: 8
 Dil Factor: 2.00000
 Integrator: HP Genie Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	2.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.753	19.463	4.290	4002695	332.449	44.3(M)
2 TPH-extractable, Motor Oil	25.717	28.890	-3.173	15384598	2993.16	399(M)
\$ 3 o-Terphenyl	21.480	21.530	-0.050	808074	47.4389	6.3(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-13
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 0;2;;30.0;2;2;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.3	94.88	40-140

Data File: /var/chem/GC3,i/1127d,b/gc3f0008.d
Date : 27-NOV-2000 19:55
Client ID:
Sample Info: A100547-13;;2X

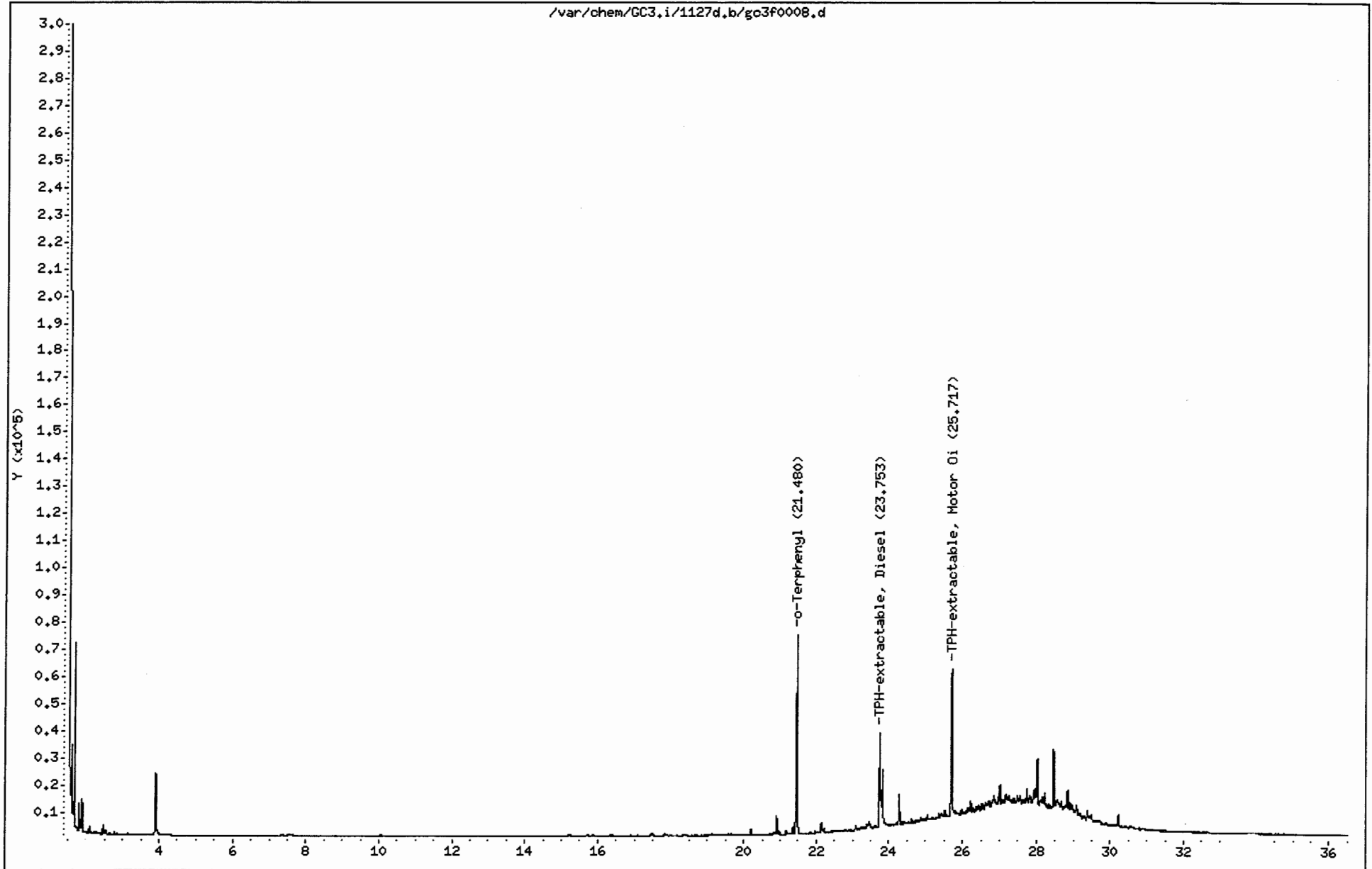
Instrument: GC3,i

Operator: NTA

Column diameter: 0.53

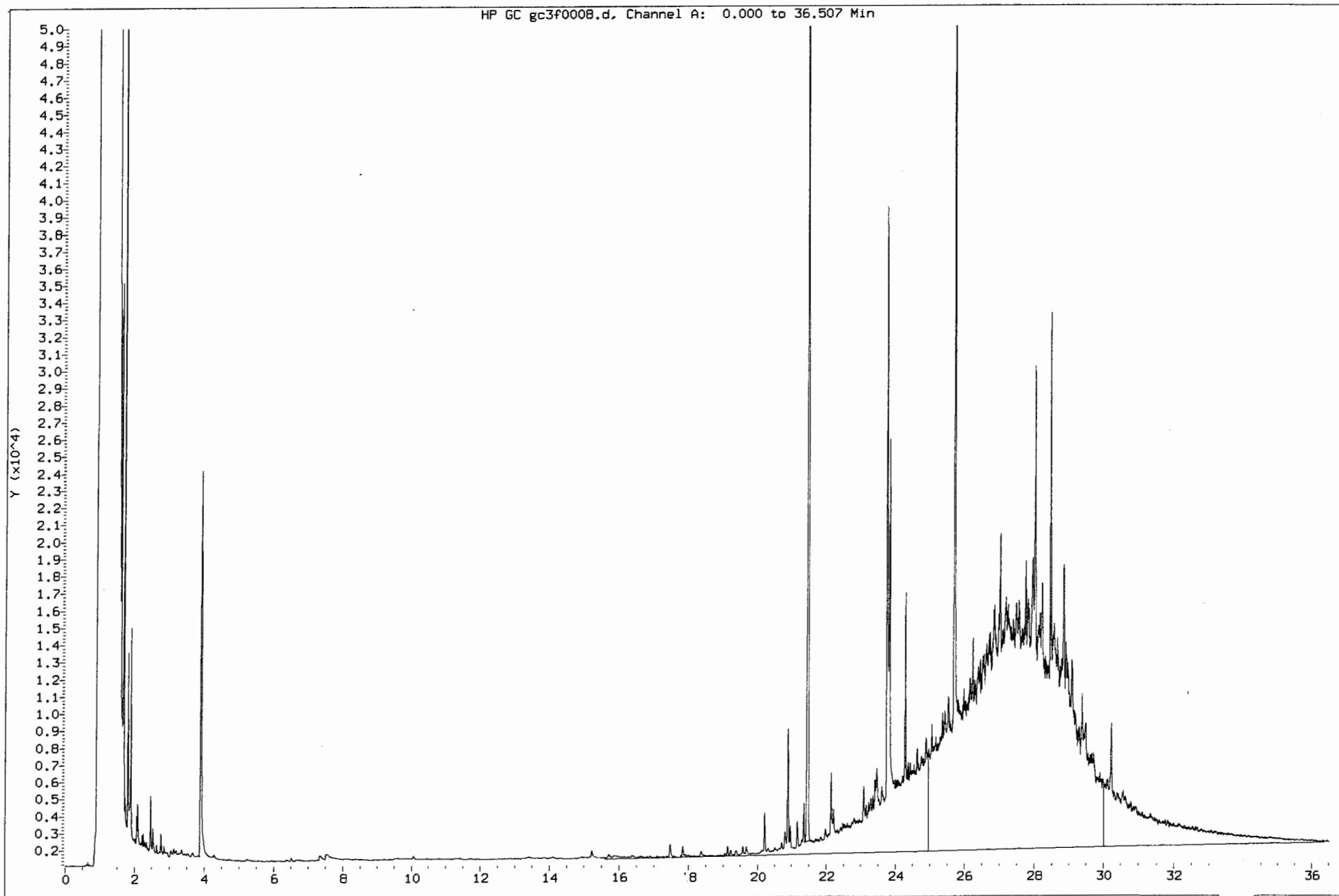
Column phase: MXT-1

000152



Data File: /var/chem/GC3.i/1127d.b/gc3f0008.d
Injection Date: 27-NOV-2000 19:55
Instrument: GC3.i
Client Sample ID:

000153



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0009.d
Lab Smp Id: A100547-14
Inj Date : 27-NOV-2000 20:41
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-14;;1X
Misc Info : 0;2;;30.0;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.747	19.463	4.284	3016380	250.530	16.7(M)
2 TPH-extractable, Motor Oil	25.737	28.890	-3.153	10892843	2119.26	141(M)
\$ 3 o-Terphenyl	21.500	21.530	-0.030	1607595	94.3758	6.3(M)

QC Flag Legend

M - Compound response manually integrated.

000154

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-14
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 0;2;;30.0;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.3	94.38	40-140

Data File: /var/chem/GC3.i/1127d.b/gc3f0009.d

Date : 27-NOV-2000 20:41

Client ID:

Sample Info: A100547-14;;1X

Column phase: MXT-1

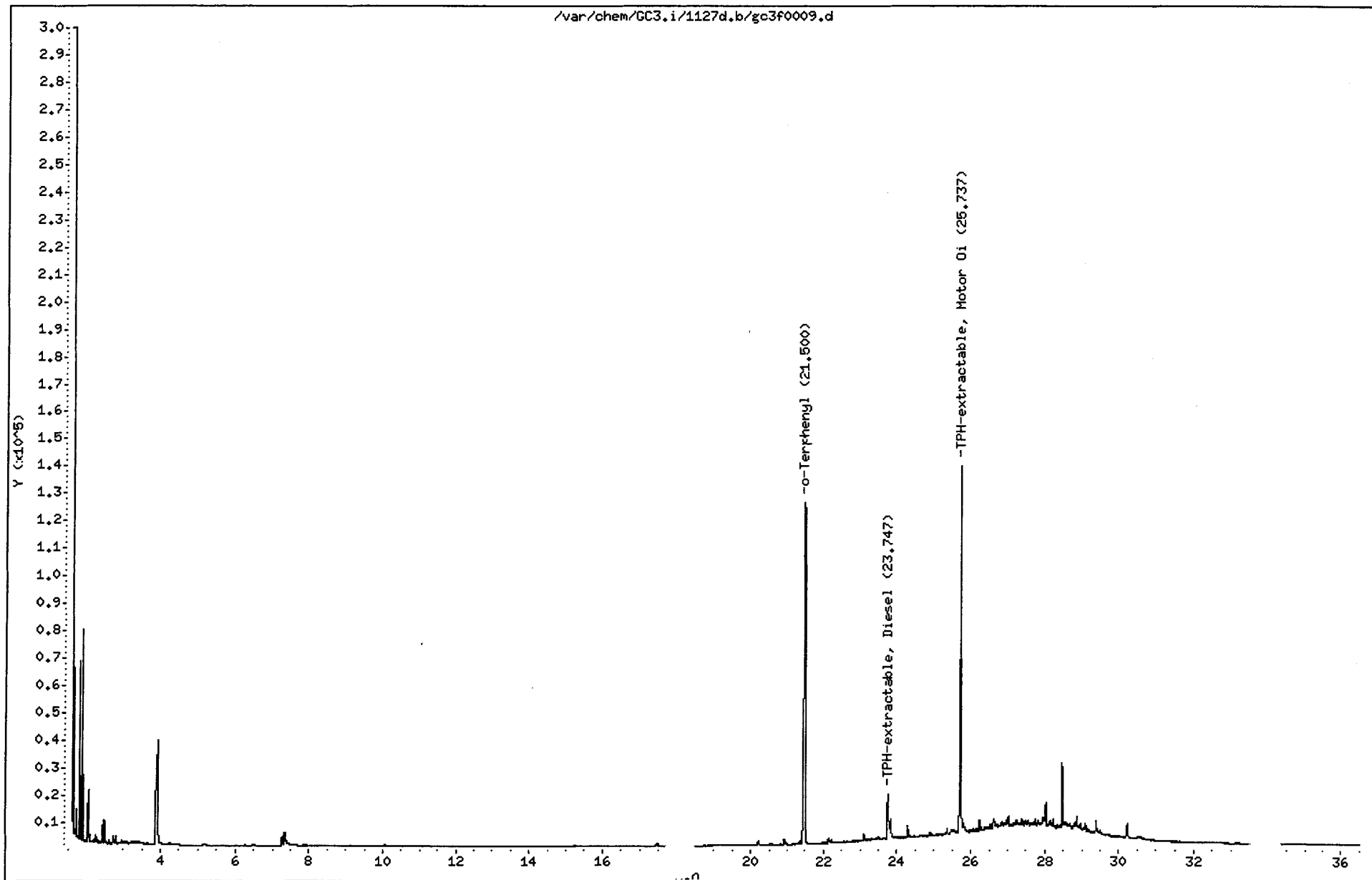
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

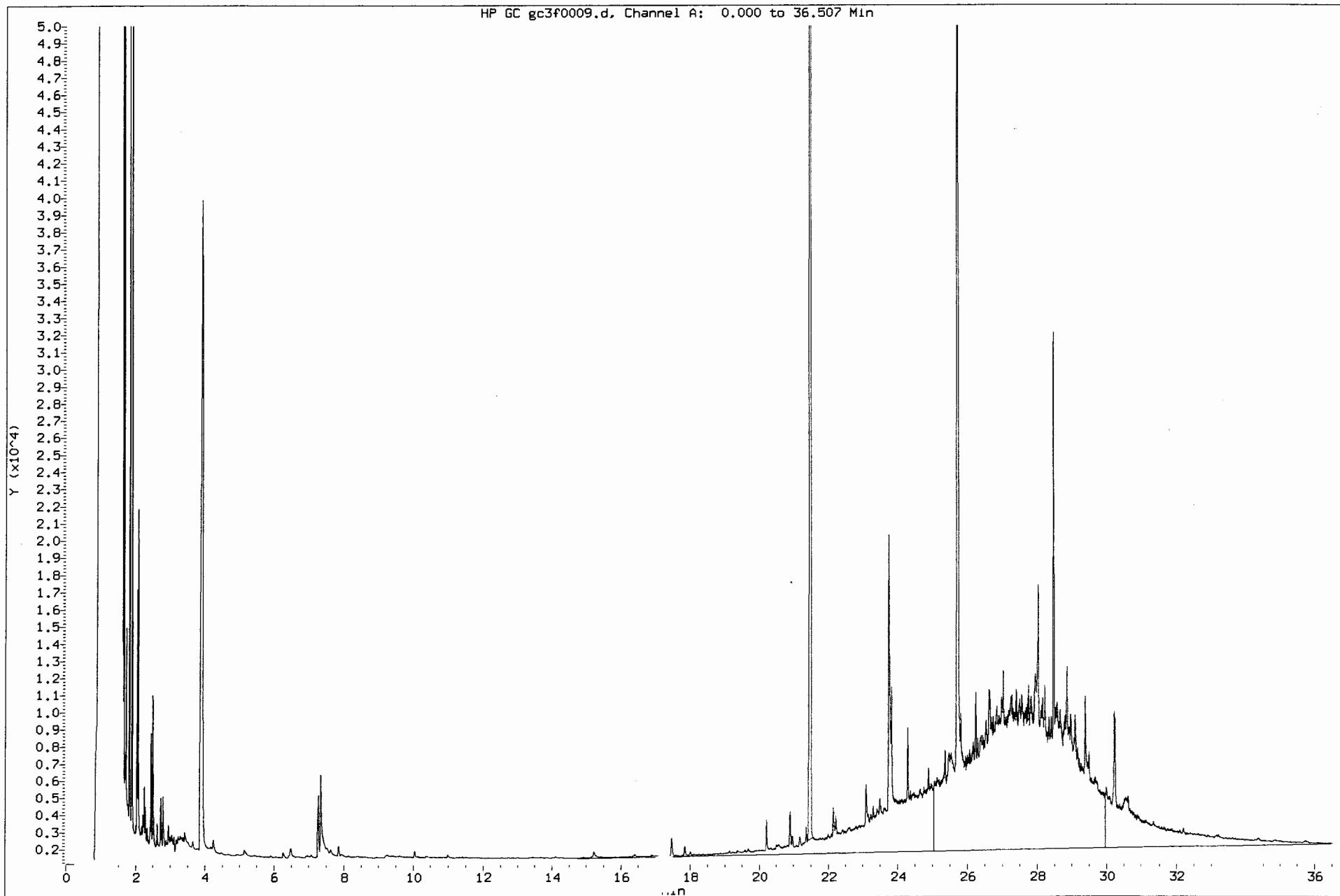
Page 3

000150



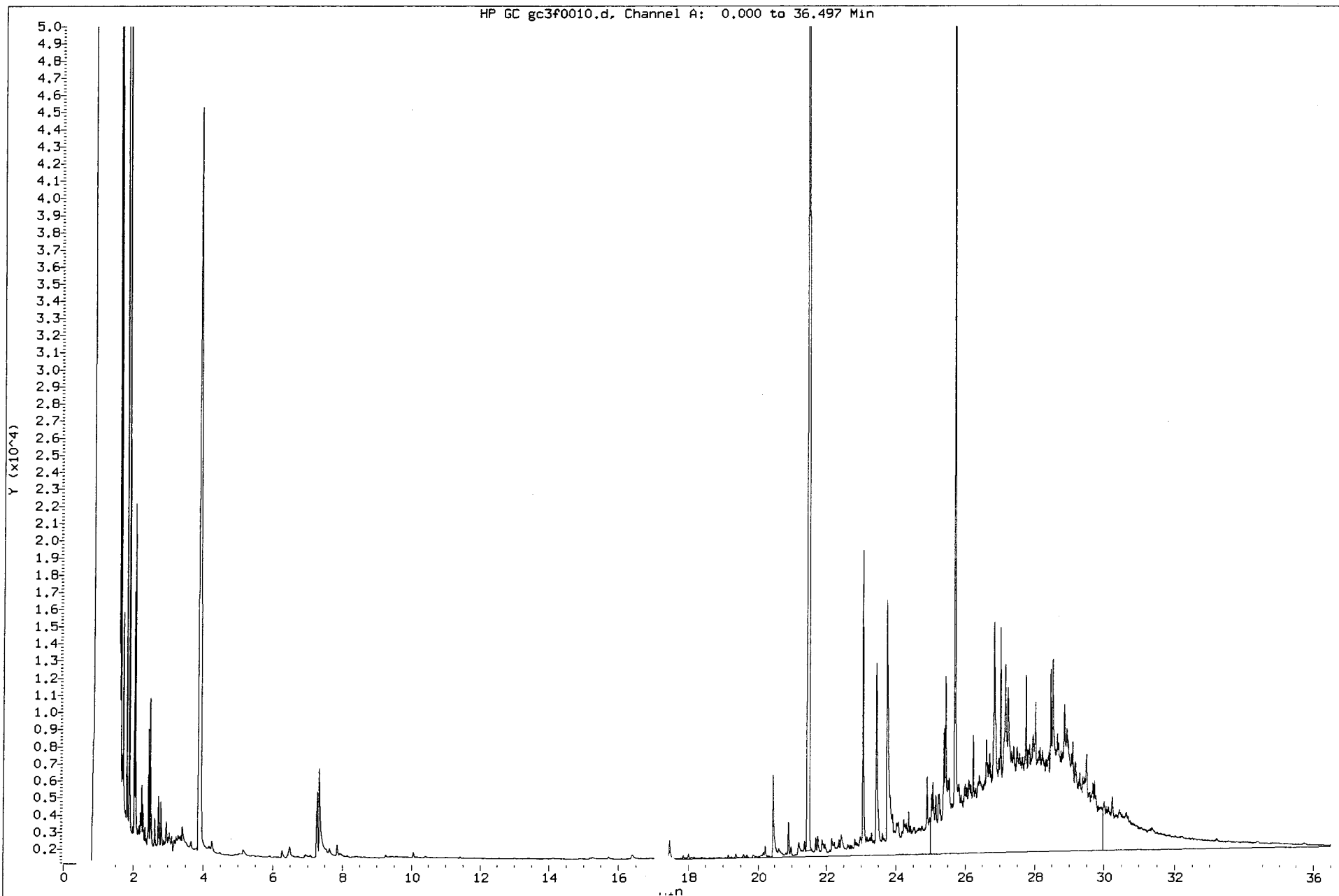
Data File: /var/chem/GC3.1/1127d.b/gc3f0009.d
Injection Date: 27-NOV-2000 20:41
Instrument: GC3.1
Client Sample ID:

000157



Data File: /var/chem/GC3.1/1127d.b/gc3f0010.d
Injection Date: 27-NOV-2000 21:27
Instrument: GC3.1
Client Sample ID:

000158



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0010.d
 Lab Smp Id: A100547-15
 Inj Date : 27-NOV-2000 21:27
 Operator : NTA Inst ID: GC3.i
 Smp Info : A100547-15;;1X
 Misc Info : 0;2;;30.0;2;1;T000315TPH
 Comment :
 Method : /var/chem/GC3.i/1127d.b/diesel_f.m
 Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
 Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
 Als bottle: 10
 Dil Factor: 1.00000
 Integrator: HP Genie Compound Sublist: all.sub
 Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS	
					ON-COLUMN (ug/mL)	FINAL (mg/kg)
1 TPH-extractable, Diesel	23.053	19.463	3.590	1740169	144.532	9.6(M)
2 TPH-extractable, Motor Oil	25.720	28.890	-3.170	7695995	1497.30	99.8(M)
\$ 3 o-Terphenyl	21.500	21.530	-0.030	1593593	93.5538	6.2(M)

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-15
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 0;2;;30.0;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.2	93.55	40-140

Data File: /var/chem/GC3.i/1127d,b/gc3f0010.d

Date : 27-NOV-2000 21:27

Client ID:

Sample Info: A100547-15;;1X

Column phase: MXT-1

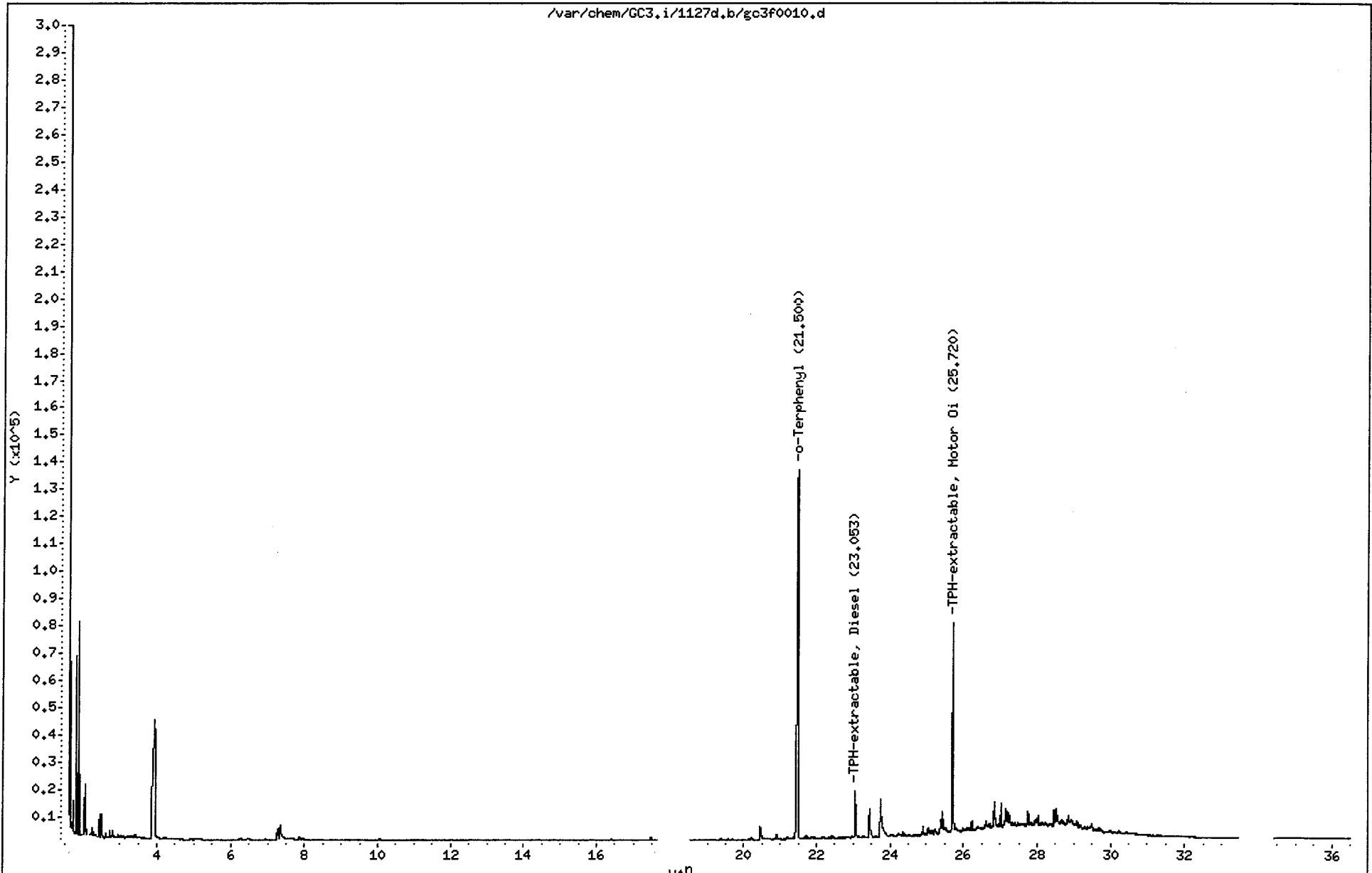
Page 3

Instrument: GC3.i

Operator: NTA

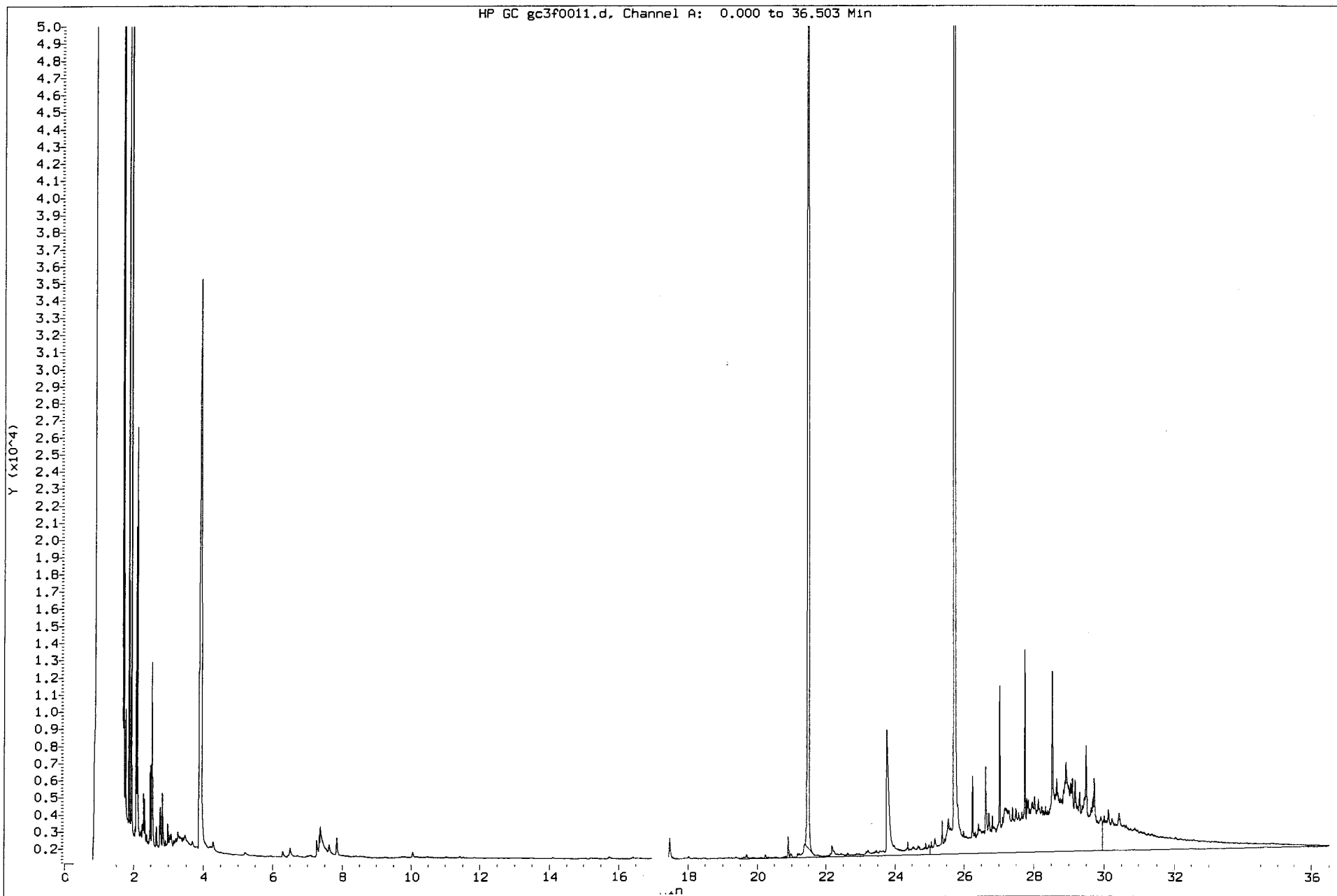
Column diameter: 0.53

000161



Data File: /var/chem/GC3.1/1127d.b/gc3f0011.d
Injection Date: 27-NOV-2000 22:12
Instrument: GC3.1
Client Sample ID:

000162



Caltest Analytical Laboratory

Petroleum Fuel Hydrocarbons

Data file : /var/chem/GC3.i/1127d.b/gc3f0011.d
Lab Smp Id: A100547-16
Inj Date : 27-NOV-2000 22:12
Operator : NTA Inst ID: GC3.i
Smp Info : A100547-16;;1X
Misc Info : 0;2;;30.0;2;1;T000315TPH
Comment :
Method : /var/chem/GC3.i/1127d.b/diesel_f.m
Meth Date : 28-Nov-2000 11:56 nta Quant Type: ESTD
Cal Date : 15-NOV-2000 05:23 Cal File: gc3f0024.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP Genie Compound Sublist: all.sub
Target Version: 3.50

Concentration Formula: Amt * DF * Vf/(Ws) * CpndVariable

Name	Value	Description
DF	1.00000	Dilution Factor
Vf	2.00000	Final Volume
Ws	30.00000	Initial Mass

Cpnd Variable Local Compound Variable

Compounds	CONCENTRATIONS						
	RT	EXP RT	DLT RT	RESPONSE	ON-COLUMN (ug/mL)	FINAL (mg/kg)	
1 TPH-extractable, Diesel	23.767	19.463	4.304	482386	40.0653	2.7(M)	
2 TPH-extractable, Motor Oil	25.750	28.890	-3.140	5098159	991.876	66.1(M)	
\$ 3 o-Terphenyl	21.507	21.530	-0.023	1523014	89.4104	6.0(M)	

QC Flag Legend

M - Compound response manually integrated.

Caltest Analytical Laboratory

RECOVERY REPORT

Client Name: Client SDG: 1127d
Sample Matrix: SOLID Fraction: SV
Lab Smp Id: A100547-16
Level: LOW Operator: NTA
Data Type: GC DATA SampleType: SAMPLE
SpikeList File: diesel.spk Quant Type: ESTD
Sublist File: all.sub
Method File: /var/chem/GC3.i/1127d.b/diesel_f.m
Misc Info: 0;2;;30.0;2;1;T000315TPH

SURROGATE COMPOUND	CONC ADDED mg/kg	CONC RECOVERED mg/kg	% RECOVERED	LIMITS
\$ 3 o-Terphenyl	6.7	6.0	89.41	40-140

Data File: /var/chem/GC3.i/1127d.b/gc3f0011.d

Date : 27-NOV-2000 22:12

Client ID:

Sample Info: A100547-16;;1X

Column phase: MXT-1

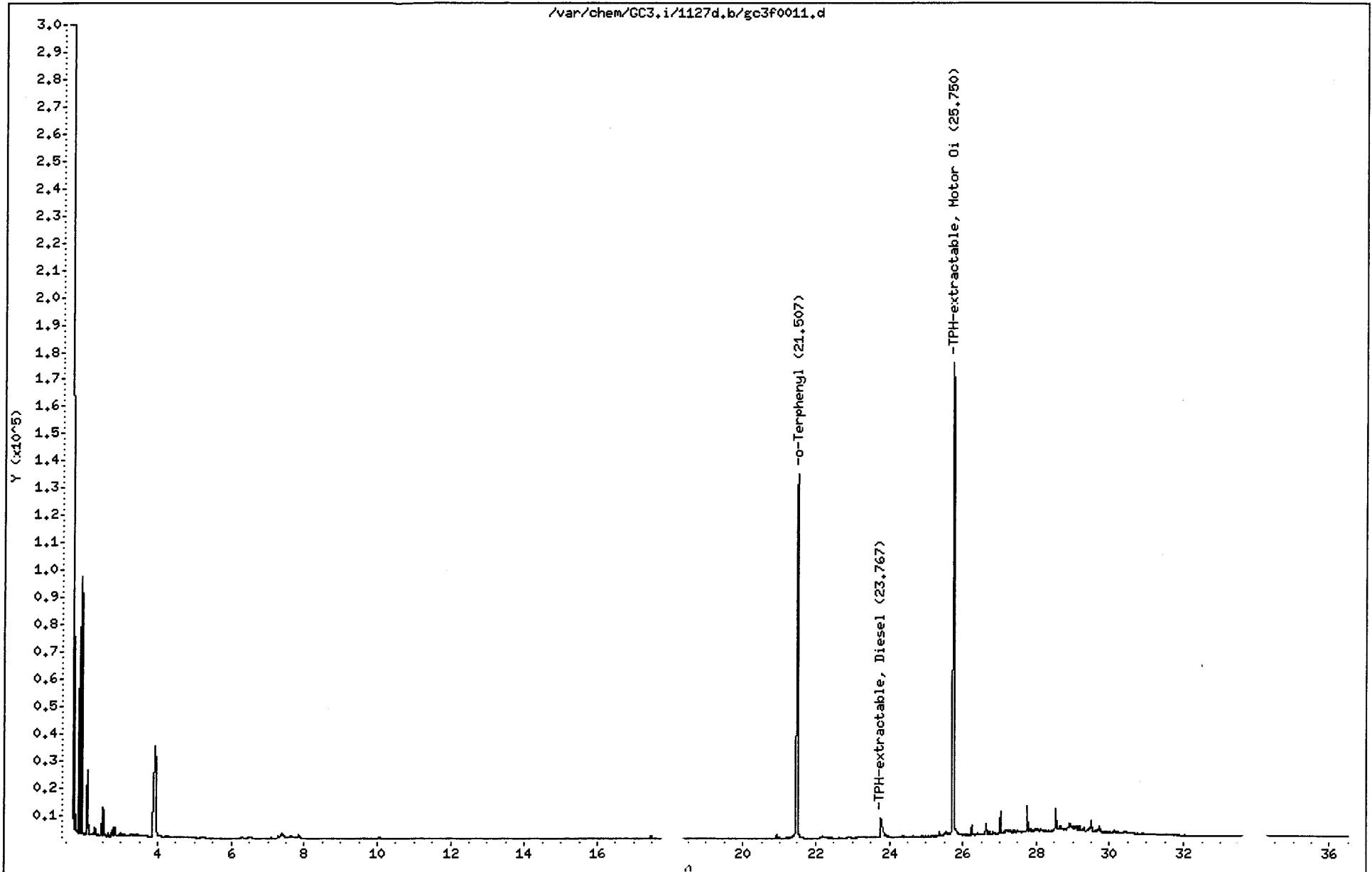
Instrument: GC3.i

Operator: NTA

Column diameter: 0.53

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000165



MERCURY
SUPPORTING DOCUMENTATION

METALS ANALYSES

Mercury prep log sheet	pg	2
Initial calibration prep log sheet	pg	3
mercury data samples and calibration.....	pg	4
ICP sample prep log	pg	23
ICP run log	pg	30
ICP data	pg	33
ICP instrument printout	pg	84

CALTEST ANALYTICAL LABORATORY
ACID DIGESTION LOG FOR METALS PREPARATION

Prep Method		7471		Analyst		Date		
QC Batch #		901 ^{4/20/00} _{10/31/00}		Start UKC		Start 10-31-00		
A000 841MER				Finish UKC		Finish 10-31-00		
Sample ID #	Initial Mass/Volume	Final Volume		Comments/ Matrix				
Reagent Blank	227 1/20/5102 0.50g	25 ml		Calib. Comb. see page				
LCS				NO: 0.50				
LCS D								
1. QC Sample				pH < 2				
A100 547-12								
Matrix Spike								
Matrix Spike Dup.								
2. A100 741-5	0.53g							
3. A100 547-13	0.56g							
4. -14	0.50g							
5. -15	0.51g							
6. ^{4/20/00} _{10/31/00} 16	0.51g			s' - 0.50g s'' 0.50g				
7. -21	0.50g							
8. A100 604-1	0.51g							
9.								
10.								
11.								
12.								
13.								
14.								
15.				UKC 10-30-00				
16.								
17.								
18.								
19.								
20.								
ICP Spike	Vol.	GFAA Spike	Vol.	FIAS Spike	Vol.	Tekran Spike	Vol.	Lot #:
				M-1043	1.0 ml			HCl - C3131
								HNO ₃ - C3143
								H ₂ SO ₄
								K ₂ S ₂ O ₈ 79-1022
								KMnO ₄ M-1021
								H ₂ O ₂
								KBr

0517001

CALTEST ANALYTICAL LABORATORY
ACID DIGESTION LOG FOR METALS PREPARATION

Prep Method		Analyst		Date				
7471		HRC		10-30-00				
QC Batch #		Analyst		Date				
900 A000 840 MER		HRC		10-30-00				
Sample ID #	Initial Mass/Volume	Final Volume	Comments/ Matrix					
Reagent Blank	DI H ₂ O	25ml	25ml	CALIB- CuFB				
LCS	↓			RICCA 100PPB M1042				
LCS	↓			0.2 PPB → 0.5ml → 25ml				
1. QC Sample			0.5	0.125	pH < 2			
A100545-1			1.0	0.250				
Matrix Spike			2.5	0.625	Yes			
Matrix Spike Dup.	↓		5.0	1.25				
2. A100506-1	DISTILL 2.5ml				ICV-BAKER M1043			
3.	↓ -2				25PPB → 0.625ml → 25ml			
4.	↓ -3							
5.	DI-STLC BLK ↓							
6.	A100551-1	25						
7.	A100508-1							
8.	A100542-1							
9.	↓ -2							
10.	A100551-1 DIS							
11.	FILTER BLANK ↓							
12.	A100618-1							
13.	A100454-3							
14.	A100587-3							
15.	A100287-1 STLC	2.5ml						
16.	STLC BLK. ↓	↓						
17.	100621-1	25ml						
18.	↓ -2							
19.	↓ -3							
20.	100290-41 STLC	2.5ml						
ICP Spike	Vol.	GFAA Spike	Vol.	FIAS Spike	Vol.	Tekran Spike	Vol.	Lot #:
				M-1043	0.5ml			HCl
								HNO ₃ C3143
								H ₂ SO ₄ C 3089
								K ₂ S ₂ O ₈ M-1022
								KMnO ₄ M1021
								H ₂ O ₂
								KBr

Calibration
curve

50

FIAS Analytical Results for Hg
Caltest Analytical Laboratory
Perkin-Elmer 3100

Data storage file: F2319
 Batch numbers: A000900MER 901MER
 Calib. std: M1042
 ICV std: M1043

ID/Weight file: HG103100
 Analyst initials: LM
 Date analyzed: 10/31/00
 Reviewed & approved by: eps 11/2/00

A/S Batch	Sample ID	Raw	x Dil./ wt.	Conc.	Units Reported	Comments
1	Calib Blank	-0.06	-.009 A-s	<0.0002		
2	STD 0.20ppb	0.28	0.043 A-s	0.00028		
3	STD 0.50 ppb	0.52	0.112 A-s	0.00052		
4	STD 1.00 ppb	0.77	0.173 A-s	0.00077		
5	STD 2.50 ppb	2.32	0.433 A-s	0.00232		
6	STD 5.00 ppb	4.72	0.829 A-s	0.00472		
						Correlation = 0.99860
1	CL BLK/CCB	0.04		<0.0002		
	ICV 2.50ppb	2.66		0.00266	mg/L	106%
	CL BLK/CCB	0.07		<0.0002		
8	900MER BLK A000900MER	0.01		<0.0002	=S0 mg/L	
9	LCS-1 245.2	2.04		0.00204	=L1	
10	LCS-2 HG-Q	2.05		0.00205	=L2	
11	A100545-1	0.16		<0.0002	=R1	20.005 mg/L UML
12	A100545-1S1	0.87		0.00087	=S1	@NOTE. LOW
13	A100545-1S2	0.83		0.00083	=S2	
14	A100551-1	0.56		0.00056		
15	A100508-1	0.42		0.00042		
16	A100542-1	0.10		<0.0002		
17	A100542-2	0.10		<0.0002		
1	CL BLK/CCB	-0.01		<0.0002		
5	STD/CCV 2.50ppb	2.54		0.00254	mg/L	102%
	CL BLK/CCB	-0.01		<0.0002		
18	A100551-1 DIS	-0.00		<0.0002	mg/L	
19	551-IB	0.07		<0.0002		
20	A100618-1	0.13		<0.0002		<1ppb

V/S Batch	Sample ID	Raw	x Dil./ wt.	Conc.	Units Reported	Comments
21	900MER A100621-1	0.00		<0.0002	mg/l	
22	A100621-2	0.01		<0.0002		
23	A100621-3	0.04		<0.0002		
24	A100506-1 10x	-0.01	x10	<0.002	<0.004	D.L. = 0.002
25	A100506-2 10x	0.02	x10	<0.002		D.L. = 0.002
26	A100506-3 10x	-0.04	x10	<0.002		D.L. = 0.002
27	DI-STLC BLK	0.04	x10	<0.002		D.L. = 0.002
5	STD/CCV 2.50ppb	2.55		0.00255	102% mg/l	
1	CL BLK/CCB	0.07		<0.0002		
29	A100290-1 10x	0.06	x10	<0.002	<0.004 mg/l	STLC D.L. = 0.002
30	STLC BLK	-0.01	x10	<0.002		D.L. = 0.002
31	A100587-3 100x	0.06	x100	<0.02		D.L. = 0.02
32	A100454-3 100x	82.82	x100			Sample abs. > largest std.
	Seq. 00039	5.69				Sample abs. > largest std.
0	Seq. 00040	0.09		<0.0002		
1	CL BLK/CCB	-0.00		<0.0002		
31	A100587-3	3.60		0.00360	mg/l	
32	A100454-3 2000	6.55	x2000			Sample abs. > largest std.
1	CL BLK/CCB	0.06		<0.0002		
5	STD/CCV 2.50ppb	2.52		0.00252	mg/l	101%
1	CL BLK/CCB	0.04		<0.0002		
32	A100454-3 4000	3.31	x4000	13.243	mg/l	D.L. = 0.8
32	901MER BLK A000901MER	-0.04	x25/0.50	<0.01 = 50	mg/kg	D.L. = 0.01
34	BLK SIO2	-0.07	x25/0.50	<0.01		D.L. = 0.01
35	LCS-1 7471	4.36	x25/0.50	0.218 = L1		D.L. = 0.01
36	LCS-2 HD-SL	4.35	x25/0.50	0.217 = L2		D.L. = 0.01
	A100547-12	6.89	x25/0.50			Sample abs. > largest std.
38	A100547-12S1	8.34	x25/0.50			Sample abs. > largest std.
39	A100547-12S2	9.91	x25/0.50			Sample abs. > largest std.

W/S Batch	Sample ID	Raw	x Dil./ wt.	Conc.	Units Reported	Comments
40 901 MER	A100741-5	47.03	x25/0.53			Sample abs. > largest std.
41	A100547-13	3.57	x25/0.56	0.1595		D.L. = 0.009
1	CL BLK/CCB	0.03		<0.0002		
5	STD/CCV 2.50ppb	2.49		0.00249	mg/lc	100%
1	CL BLK/CCB	0.08		<0.0002		
42	A100547-14	0.21	x25/0.50	0.011	mg/kg	D.L. = 0.01
43	A100547-15	0.88	x25/0.51	0.0431		D.L. = 0.01
44	A100547-16	0.20	x25/0.51	<0.01		D.L. = 0.01
45	A100547-16S1	4.45	x25/0.50	0.222		D.L. = 0.01
46	A100547-16S2	4.33	x25/0.50	0.217		D.L. = 0.01
47	A100547-21	28.95	x25/0.50			Sample abs. > largest std.
48	A100604-1	11.67	x25/0.51			Sample abs. > largest std.
1	CL BLK/CCB	-0.06		<0.0002		
49	A100547-13	3.77	x25/0.56	0.1683	mg/kg	D.L. = 0.009
1	CL BLK/CCB	-0.01		<0.0002		
5	STD/CCV 2.50ppb	2.46		0.00246	mg/lc	98%
1	CL BLK/CCB	0.04		<0.0002		
37	A100547-12 2x	2.21	x50/0.50	0.221 = R ₁	mg/kg	D.L. = 0.02
38	A100547-12S1 2x	3.72	x50/0.50	0.372 = S ₁		D.L. = 0.02
39	A100547-12S2 2x	4.12	x50/0.50	0.412 = S ₂		D.L. = 0.02
40	A100741-5 20x	1.60	x500/0.53	1.507		D.L. = 0.1886792
47	A100547-21 10x	1.97	x250/0.50	0.983		D.L. = 0.1
48	A100604-1 4x	3.00	x100/0.51	0.588	mg/kg	D.L. = 0.04
49	A100741-5 10x	4.86	x250/0.53	2.293		D.L. = 0.09
1	CL BLK/CCB	0.04		<0.0002		
5	STD/CCV 2.50ppb	2.47		0.00247		
1	CL BLK/CCB	-0.03		<0.0002		
50	A100547-21 10x	3.05	x250/0.50	1.523	mg/kg	D.L. = 0.1
51	A100741-5 10x	4.83	x250/0.53	2.279		D.L. = 0.09

IS Batch	Sample ID	Raw	x Dil./ wt.	Conc.	Units Reported	Comments
1	CL BLK/CCB	0.08		<0.0002		
5	STD/CCV 2.50ppb	2.52		0.00252	mg/L	101%
1	CL BLK/CCB	-0.01		<0.0002		
28 900 MER	A100287-1 10x	27.48	x10		→ see	Sample abs. > largest std.
1	CL BLK/CCB	-0.31		<0.0002		
52	A100287-1 10x	1.75 (STC)	x10 x10	0.0175 x10 = 0.175	mg/L	STC D.L. = 0.002
1	CL BLK/CCB	-0.07		<0.0002		
5	STD/CCV 2.50ppb	2.47		0.00247		
1	CL BLK/CCB	-0.10		<0.0002		

F2319

Hg

10/31/00 m

 Element File: HG_7470.MEL Element: Hg2 Wavelength: 253.7
 Date: ~~01/03/10~~ 10/31/00 m Time: 14:16 Slit: 0.7 H
 Data File: F2319.DAT ID/Wt File: HG103100.IDW Lamp Current: 1
 Technique: MHS Calib. Type: Linear Energy: 66
 Remark 1: 0.2 ppb DL Mercury method for normal aqueous matrices.
 Remark 2: HCl carrier & SnCl2 reductant, with 1.0 ml sample loop
 Remark 3: updated for software upgrade 1/20/98. 0.2ppb std added.

Hg2 ID: Calib Blank Seq. No.: 00001 A/S Pos.: 1 Date: ~~01/03/10~~

Replicate 1 Time: 14:16
 Peak Area (A-s): -0.004 Peak Height (A): 0.004
 Blank Corrected Pk Area (A-s): -0.009
 Concentration (ug/L): -0.06

10/31/00 m

Auto-zero performed.

 Hg2 ID: STD 0.20ppb Seq. No.: 00002 A/S Pos.: 2 Date: 01/03/10

Replicate 1 Time: 14:18
 Peak Area (A-s): 0.039 Peak Height (A): 0.006
 Blank Corrected Pk Area (A-s): 0.043
 Concentration (ug/L): 0.28

Standard number 1 applied. [0.20]
 Correlation coefficient: 1.00000 Slope: 0.2171

 Hg2 ID: STD 0.50 ppb Seq. No.: 00003 A/S Pos.: 3 Date: 01/03/10

Replicate 1 Time: 14:20
 Peak Area (A-s): 0.108 Peak Height (A): 0.012
 Blank Corrected Pk Area (A-s): 0.112
 Concentration (ug/L): 0.52

Standard number 2 applied. [0.50]
 Correlation coefficient: 0.99953 Slope: 0.2239

 Hg2 ID: STD 1.00 ppb Seq. No.: 00004 A/S Pos.: 4 Date: 01/03/10

Replicate 1 Time: 14:22
 Peak Area (A-s): 0.169 Peak Height (A): 0.017
 Blank Corrected Pk Area (A-s): 0.173
 Concentration (ug/L): 0.77

Standard number 3 applied. [1.00]
 Correlation coefficient: 0.97390 Slope: 0.1870

 Hg2 ID: STD 2.50 ppb Seq. No.: 00005 A/S Pos.: 5 Date: 01/03/10

Replicate 1 Time: 14:24
 Peak Area (A-s): 0.429 Peak Height (A): 0.037
 Blank Corrected Pk Area (A-s): 0.433
 Concentration (ug/L): 2.32

Standard number 4 applied. [2.50]
Correlation coefficient: 0.99627

Slope: 0.1757

10/31/00

Hg2 ID: STD 5.00 ppb Seq. No.: 00006 A/S Pos.: 6 Date: 01/03/10

Replicate 1 Time: 14:26
Peak Area (A-s): 0.824 Peak Height (A): 0.071
Blank Corrected Pk Area (A-s): 0.829
Concentration (ug/L): 4.72

Standard number 5 applied. [5.00]
Correlation coefficient: 0.99860

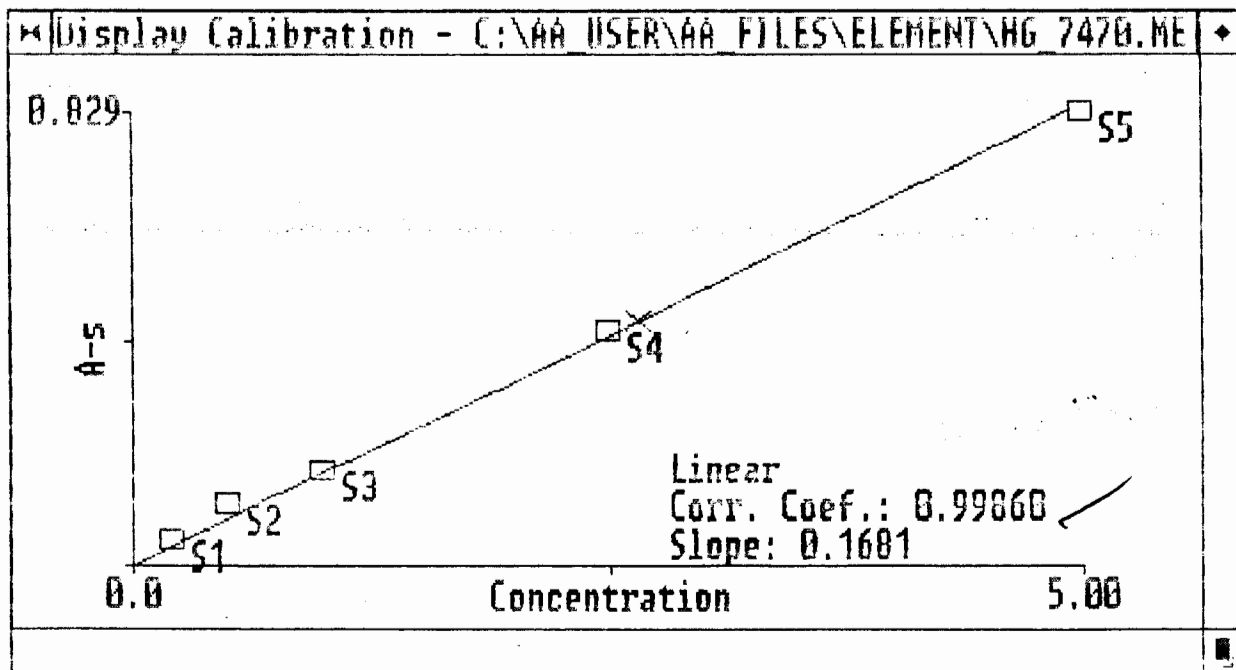
Slope: 0.1681

Hg2 ID: CL BLK/CCB Seq. No.: 00007 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 14:28
Peak Area (A-s): 0.003 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.04

Hg2 ID: ICV 2.50ppb Seq. No.: 00008 A/S Pos.: 7 Date: 01/03/10

Replicate 1 Time: 14:30
Peak Area (A-s): 0.442 Peak Height (A): 0.039
Blank Corrected Pk Area (A-s): 0.447
Concentration (ug/L): 2.66



Hg2 ID: CL BLK/CCB Seq. No.: 00009 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 14:35
Peak Area (A-s): 0.008 Peak Height (A): 0.003

Blank Corrected Pk Area (A-s): 0.012
Concentration (ug/L): 0.07

10/31/00

Hg2 ID: BLK A000900MER Seq. No.: 00010 A/S Pos.: 8 Date: 01/03/10

Replicate 1 Time: 14:37
Peak Area (A-s): -0.002 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.002
Concentration (ug/L): 0.01

Hg2 ID: LCS-1 245.2 Seq. No.: 00011 A/S Pos.: 9 Date: 01/03/10

Replicate 1 Time: 14:39
Peak Area (A-s): 0.338 Peak Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.342
Concentration (ug/L): 2.04

Hg2 ID: LCS-2 HG-Q Seq. No.: 00012 A/S Pos.: 10 Date: 01/03/10

Replicate 1 Time: 14:41
Peak Area (A-s): 0.340 Peak Height (A): 0.031
Blank Corrected Pk Area (A-s): 0.345
Concentration (ug/L): 2.05

Hg2 ID: A100545-1 Seq. No.: 00013 A/S Pos.: 11 Date: 01/03/10

Replicate 1 Time: 14:43
Peak Area (A-s): 0.023 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.027
Concentration (ug/L): 0.16

Hg2 ID: A100545-1S1 Seq. No.: 00014 A/S Pos.: 12 Date: 01/03/10

Replicate 1 Time: 14:45
Peak Area (A-s): 0.141 Peak Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.146
Concentration (ug/L): 0.87

Hg2 ID: A100545-1S2 Seq. No.: 00015 A/S Pos.: 13 Date: 01/03/10

Replicate 1 Time: 14:47
Peak Area (A-s): 0.135 Peak Height (A): 0.012
Blank Corrected Pk Area (A-s): 0.140
Concentration (ug/L): 0.83

Hg2 ID: A100551-1 Seq. No.: 00016 A/S Pos.: 14 Date: 01/03/10

Replicate 1 Time: 14:49
Peak Area (A-s): 0.090 Peak Height (A): 0.011
Blank Corrected Pk Area (A-s): 0.095
Concentration (ug/L): 0.56

10/31/00

Hg2 ID: A100508-1 Seq. No.: 00017 A/S Pos.: 15 Date: 01/03/10

Replicate 1 Time: 14:51
Peak Area (A-s): 0.005 Peak Height (A): 0.008
Blank Corrected Pk Area (A-s): 0.070
Concentration (ug/L): 0.42

Hg2 ID: A100542-1 Seq. No.: 00018 A/S Pos.: 16 Date: 01/03/10

Replicate 1 Time: 14:53
Peak Area (A-s): 0.013 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 0.10

Hg2 ID: A100542-2 Seq. No.: 00019 A/S Pos.: 17 Date: 01/03/10

Replicate 1 Time: 14:55
Peak Area (A-s): 0.013 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.017
Concentration (ug/L): 0.10

Hg2 ID: CL BLK/CCB Seq. No.: 00020 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 14:57
Peak Area (A-s): -0.007 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.01

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00021 A/S Pos.: 5 Date: 01/03/10

Replicate 1 Time: 14:59
Peak Area (A-s): 0.423 Peak Height (A): 0.037
Blank Corrected Pk Area (A-s): 0.428
Concentration (ug/L): 2.54

Hg2 ID: CL BLK/CCB Seq. No.: 00022 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 15:01
Peak Area (A-s): -0.006 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.01

Hg2 ID: A100551-1 DIS Seq. No.: 00023 A/S Pos.: 18 Date: 01/03/10

Replicate 1 Time: 15:03
Peak Area (A-s): -0.005 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): -0.000
Concentration (ug/L): -0.00

Hg2 ID: 551-IB Seq. No.: 00024 A/S Pos.: 19 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.007
Blank Corrected Pk Area (A-s): 0.011
Concentration (ug/L): 0.07

Time: 15:05
Peak Height (A): 0.004

10/31/00 *u*

Hg2 ID: A100618-1 Seq. No.: 00025 A/S Pos.: 20 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.017
Blank Corrected Pk Area (A-s): 0.021
Concentration (ug/L): 0.13

Time: 15:07
Peak Height (A): 0.003

Hg2 ID: A100621-1 Seq. No.: 00026 A/S Pos.: 21 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.004
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.00

Time: 15:09
Peak Height (A): 0.003

Hg2 ID: A100621-2 Seq. No.: 00027 A/S Pos.: 22 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.003
Blank Corrected Pk Area (A-s): 0.001
Concentration (ug/L): 0.01

Time: 15:11
Peak Height (A): 0.003

Hg2 ID: A100621-3 Seq. No.: 00028 A/S Pos.: 23 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.002
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.04

Time: 15:13
Peak Height (A): 0.004

Hg2 ID: A100506-1 10x Seq. No.: 00029 A/S Pos.: 24 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.006
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.01

Time: 15:15
Peak Height (A): 0.003
Corrected Conc (ug/L): -0.1

Hg2 ID: A100506-2 10x Seq. No.: 00030 A/S Pos.: 25 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.001
Blank Corrected Pk Area (A-s): 0.004
Concentration (ug/L): 0.02

Time: 15:17
Peak Height (A): 0.003
Corrected Conc (ug/L): 0.2

Hg2 ID: A100506-3 10x Seq. No.: 00031 A/S Pos.: 26 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.011
Blank Corrected Pk Area (A-s): -0.007

Time: 15:19
Peak Height (A): 0.004

Concentration (ug/L): -0.04 Corrected Conc (ug/L): -0.4 *10/31/00*

Hg2 ID: DI-STLC BLK Seq. No.: 00032 A/S Pos.: 27 Date: 01/03/10

Replicate 1 Time: 15:21
 Peak Area (A-s): 0.002 Peak Height (A): 0.004
 Blank Corrected Pk Area (A-s): 0.007
 Concentration (ug/L): 0.04 Corrected Conc (ug/L): 0.4

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00033 A/S Pos.: 5 Date: 01/03/10

Replicate 1 Time: 15:25
 Peak Area (A-s): 0.424 Peak Height (A): 0.037
 Blank Corrected Pk Area (A-s): 0.428
 Concentration (ug/L): 2.55

Hg2 ID: CL BLK/CCB Seq. No.: 00034 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 15:27
 Peak Area (A-s): 0.008 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): 0.013
 Concentration (ug/L): 0.07

Hg2 ID: A100290-1 10x Seq. No.: 00035 A/S Pos.: 29 Date: 01/03/10

Replicate 1 Time: 15:29
 Peak Area (A-s): 0.006 Peak Height (A): 0.004
 Blank Corrected Pk Area (A-s): 0.011
 Concentration (ug/L): 0.06 Corrected Conc (ug/L): 0.6

Hg2 ID: STLC BLK Seq. No.: 00036 A/S Pos.: 30 Date: 01/03/10

Replicate 1 Time: 15:31
 Peak Area (A-s): -0.006 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): -0.002
 Concentration (ug/L): -0.01 Corrected Conc (ug/L): -0.1

Hg2 ID: A100587-3 100x Seq. No.: 00037 A/S Pos.: 31 Date: 01/03/10

Replicate 1 Time: 15:33
 Peak Area (A-s): 0.005 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): 0.010
 Concentration (ug/L): 0.06 Corrected Conc (ug/L): 6. *see*

Hg2 ID: A100454-2 100x Seq. No.: 00038 A/S Pos.: 32 Date: 01/03/10

Sample abs. is greater than that of the largest standard.
 Replicate 1 Time: 15:35
 Peak Area (A-s): 13.920 Peak Height (A): 1.027
 Blank Corrected Pk Area (A-s): 13.924
 Concentration (ug/L): 82.82 Corrected Conc (ug/L): 8282.

Hg2 ID: Seq. 00039 Seq. No.: 00039 A/S Pos.: 0 Date: 01/03/10

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 15:37
Peak Area (A-s): 0.953 Peak Height (A): 0.088
Blank Corrected Pk Area (A-s): 0.957
Concentration (ug/L): 5.69

Hg2 ID: Seq. 00040 Seq. No.: 00040 A/S Pos.: 0 Date: 01/03/10

Replicate 1 Time: 15:38
Peak Area (A-s): 0.012 Peak Height (A): 0.005
Blank Corrected Pk Area (A-s): 0.016
Concentration (ug/L): 0.09

Hg2 ID: CL BLK/CCB Seq. No.: 00041 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 15:41
Peak Area (A-s): -0.005 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.00

Hg2 ID: A100587-3 Seq. No.: 00042 A/S Pos.: 31 Date: 01/03/10

Replicate 1 Time: 15:43
Peak Area (A-s): 0.602 Peak Height (A): 0.052
Blank Corrected Pk Area (A-s): 0.606
Concentration (ug/L): 3.60

Hg2 ID: A100454-3 2000 Seq. No.: 00043 A/S Pos.: 32 Date: 01/03/10

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 15:45
Peak Area (A-s): 1.097 Peak Height (A): 0.094
Blank Corrected Pk Area (A-s): 1.101
Concentration (ug/L): 6.55 Corrected Conc (ug/L): 13098.

see

Hg2 ID: CL BLK/CCB Seq. No.: 00044 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 15:47
Peak Area (A-s): 0.005 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): 0.010
Concentration (ug/L): 0.06

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00045 A/S Pos.: 5 Date: 01/03/10

Replicate 1 Time: 15:49
Peak Area (A-s): 0.419 Peak Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.423
Concentration (ug/L): 2.52

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Hg1 ID: CL LK, CCL Seq. No.: 00046 A/S Pos.: 1 Date: 01/03/10
 Replicate 1 Time: 15:52
 Peak Area (A-s): 0.002 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): 0.000
 Concentration (ug/L): 0.04

Hg2 ID: A100454-3 4000 Seq. No.: 00047 A/S Pos.: 32 Date: 01/03/10
 Replicate 1 Time: 15:54
 Peak Area (A-s): 0.552 Peak Height (A): 0.048 ✓
 Blank Corrected Pk Area (A-s): 0.557
 Concentration (ug/L): 3.31 Corrected Conc (ug/L): 13243.

Hg2 ID: BLK A000901MER Seq. No.: 00048 A/S Pos.: 33 Date: 01/03/10
 Replicate 1 Time: 15:56
 Peak Area (A-s): -0.010 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): -0.000
 Concentration (ug/L): -0.04 Corrected Conc (ug/L): -2.

Hg2 ID: BLK SIO2 Seq. No.: 00049 A/S Pos.: 34 Date: 01/03/10
 Replicate 1 Time: 15:58
 Peak Area (A-s): -0.010 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): -0.012
 Concentration (ug/L): -0.07 Corrected Conc (ug/L): -4.

Hg2 ID: LCS-1 7471 Seq. No.: 00050 A/S Pos.: 35 Date: 01/03/10
 Replicate 1 Time: 16:00
 Peak Area (A-s): 0.729 Peak Height (A): 0.064
 Blank Corrected Pk Area (A-s): 0.733
 Concentration (ug/L): 4.36 Corrected Conc (ug/L): 219.

Hg2 ID: LCS-2 HG-SL Seq. No.: 00051 A/S Pos.: 36 Date: 01/03/10
 Replicate 1 Time: 16:02
 Peak Area (A-s): 0.727 Peak Height (A): 0.063
 Blank Corrected Pk Area (A-s): 0.731
 Concentration (ug/L): 4.35 Corrected Conc (ug/L): 217.

Hg2 ID: A100547-12 Seq. No.: 00052 A/S Pos.: 37 Date: 01/03/10
 Sample abs. is greater than that of the largest standard.
 Replicate 1 Time: 16:04
 Peak Area (A-s): 1.155 Peak Height (A): 0.096
 Blank Corrected Pk Area (A-s): 1.159
 Concentration (ug/L): 6.89 Corrected Conc (ug/L): 344.7

Hg2 ID: A100547-12S1 Seq. No.: 00053 A/S Pos.: 38 Date: 01/03/10
 Sample abs. is greater than that of the largest standard.
 Replicate 1 Time: 16:06
 Peak Area (A-s): 1.397 Peak Height (A): 0.116
 Blank Corrected Pk Area (A-s): 1.401
 Concentration (ug/L): 8.34 Corrected Conc (ug/L): 417.

Hg2 ID: A100547-12S2 Seq. No.: 00054 A/S Pos.: 39 Date: 01/03/10
 Sample abs. is greater than that of the largest standard.
 Replicate 1 Time: 16:08
 Peak Area (A-s): 1.661 Peak Height (A): 0.142
 Blank Corrected Pk Area (A-s): 1.665
 Concentration (ug/L): 9.91 Corrected Conc (ug/L): 495.

Hg2 ID: A100741-5 Seq. No.: 00055 A/S Pos.: 40 Date: 01/03/10
 Sample abs. is greater than that of the largest standard.
 Replicate 1 Time: 16:10
 Peak Area (A-s): 7.902 Peak Height (A): 0.633
 Blank Corrected Pk Area (A-s): 7.907
 Concentration (ug/L): 47.03 Corrected Conc (ug/L): 2218.2

Hg2 ID: A100547-13 Seq. No.: 00056 A/S Pos.: 41 Date: 01/03/10
 Replicate 1 Time: 16:12
 Peak Area (A-s): 0.596 Peak Height (A): 0.051
 Blank Corrected Pk Area (A-s): 0.601
 Concentration (ug/L): 3.57 Corrected Conc (ug/L): 159.5

Hg2 ID: CL BLK/CCB Seq. No.: 00057 A/S Pos.: 1 Date: 01/03/10
 Replicate 1 Time: 16:14
 Peak Area (A-s): -0.000 Peak Height (A): 0.004
 Blank Corrected Pk Area (A-s): 0.004
 Concentration (ug/L): 0.03

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00058 A/S Pos.: 5 Date: 01/03/10
 Replicate 1 Time: 16:16
 Peak Area (A-s): 0.414 Peak Height (A): 0.036
 Blank Corrected Pk Area (A-s): 0.419
 Concentration (ug/L): 2.49

Hg2 ID: CL BLK/CCB Seq. No.: 00059 A/S Pos.: 1 Date: 01/03/10
 Replicate 1 Time: 16:19
 Peak Area (A-s): 0.009 Peak Height (A): 0.003
 Blank Corrected Pk Area (A-s): 0.013
 Concentration (ug/L): 0.08

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Hg2 ID: A100547-14 Seq. No.: 00060 A/S Pos.: 42 Date: 01/03/10

Replicate 1 Time: 16:21
Peak Area (A-s): 0.031 Peak Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.036
Concentration (ug/L): 0.21 Corrected Conc (ug/L): 11.

Hg2 ID: A100547-15 Seq. No.: 00061 A/S Pos.: 43 Date: 01/03/10

Replicate 1 Time: 16:23
Peak Area (A-s): 0.144 Peak Height (A): 0.015
Blank Corrected Pk Area (A-s): 0.148
Concentration (ug/L): 0.88 Corrected Conc (ug/L): 43.1

Hg2 ID: A100547-16 Seq. No.: 00062 A/S Pos.: 44 Date: 01/03/10

Replicate 1 Time: 16:25
Peak Area (A-s): 0.029 Peak Height (A): 0.006
Blank Corrected Pk Area (A-s): 0.034
Concentration (ug/L): 0.20 Corrected Conc (ug/L): 9.8

Hg2 ID: A100547-16S1 Seq. No.: 00063 A/S Pos.: 45 Date: 01/03/10

Replicate 1 Time: 16:27
Peak Area (A-s): 0.743 Peak Height (A): 0.063
Blank Corrected Pk Area (A-s): 0.748
Concentration (ug/L): 4.45 Corrected Conc (ug/L): 222.

Hg2 ID: A100547-16S2 Seq. No.: 00064 A/S Pos.: 46 Date: 01/03/10

Replicate 1 Time: 16:29
Peak Area (A-s): 0.724 Peak Height (A): 0.062
Blank Corrected Pk Area (A-s): 0.729
Concentration (ug/L): 4.33 Corrected Conc (ug/L): 217.

Hg2 ID: A100547-21 Seq. No.: 00065 A/S Pos.: 47 Date: 01/03/10

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 16:31
Peak Area (A-s): 4.863 Peak Height (A): 0.393
Blank Corrected Pk Area (A-s): 4.867
Concentration (ug/L): 28.95 Corrected Conc (ug/L): 1447.

Hg2 ID: A100604-1 Seq. No.: 00066 A/S Pos.: 48 Date: 01/03/10

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 16:33
Peak Area (A-s): 1.957 Peak Height (A): 0.164
Blank Corrected Pk Area (A-s): 1.961
Concentration (ug/L): 11.67 Corrected Conc (ug/L): 571.9

10/31/00

Hg2 ID: CL BLK/CCB Seq. No.: 00067 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 16:35
Peak Area (A-s): -0.015 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.011
Concentration (ug/L): -0.00

Hg2 ID: A100547-13 Seq. No.: 00068 A/S Pos.: 41 Date: 01/03/10

Replicate 1 Time: 16:37
Peak Area (A-s): 0.630 Peak Height (A): 0.054
Blank Corrected Pk Area (A-s): 0.634
Concentration (ug/L): 3.77 Corrected Conc (ug/L): 168.3

Hg2 ID: CL BLK/CCB Seq. No.: 00069 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 16:39
Peak Area (A-s): -0.006 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.002
Concentration (ug/L): -0.01

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00070 A/S Pos.: 5 Date: 01/03/10

Replicate 1 Time: 16:41
Peak Area (A-s): 0.409 Peak Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.414
Concentration (ug/L): 2.46

Hg2 ID: CL BLK/CCB Seq. No.: 00071 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 16:44
Peak Area (A-s): 0.003 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.007
Concentration (ug/L): 0.04

Hg2 ID: A100547-12 2x Seq. No.: 00072 A/S Pos.: 37 Date: 01/03/10

Replicate 1 Time: 16:46
Peak Area (A-s): 0.485 Peak Height (A): 0.042
Blank Corrected Pk Area (A-s): 0.489
Concentration (ug/L): 2.91 Corrected Conc (ug/L): 291.

Hg2 ID: A100547-12S1 2x Seq. No.: 00073 A/S Pos.: 38 Date: 01/03/10

Replicate 1 Time: 16:48
Peak Area (A-s): 0.621 Peak Height (A): 0.051
Blank Corrected Pk Area (A-s): 0.625
Concentration (ug/L): 3.72 Corrected Conc (ug/L): 372.

Hg2 ID: A100547-12S2 2x Seq. No.: 00074 A/S Pos.: 39 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.688
Blank Corrected Pk Area (A-s): 0.693
Concentration (ug/L): 4.12
Time: 16:50
Peak Height (A): 0.058
Corrected Conc (ug/L): 412. *10/31/04*

Hg2 ID: A100741-5 20x Seq. No.: 00075 A/S Pos.: 40 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.264
Blank Corrected Pk Area (A-s): 0.269
Concentration (ug/L): 1.60
Time: 16:52
Peak Height (A): 0.022
Corrected Conc (ug/L): 1507. *see*

Hg2 ID: A100547-21 10x Seq. No.: 00076 A/S Pos.: 47 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.326
Blank Corrected Pk Area (A-s): 0.331
Concentration (ug/L): 1.97
Time: 16:54
Peak Height (A): 0.028
Corrected Conc (ug/L): 983. *see*

Hg2 ID: A100604-1 4x Seq. No.: 00077 A/S Pos.: 48 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.500
Blank Corrected Pk Area (A-s): 0.504
Concentration (ug/L): 3.00
Time: 16:56
Peak Height (A): 0.044
Corrected Conc (ug/L): 588.

Hg2 ID: A100741-5 10x Seq. No.: 00078 A/S Pos.: 49 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.813
Blank Corrected Pk Area (A-s): 0.817
Concentration (ug/L): 4.86
Time: 16:58
Peak Height (A): 0.070
Corrected Conc (ug/L): 2293.

Hg2 ID: CL BLK/CCB Seq. No.: 00079 A/S Pos.: 1 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.002
Blank Corrected Pk Area (A-s): 0.006
Concentration (ug/L): 0.04
Time: 17:00
Peak Height (A): 0.003

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00080 A/S Pos.: 5 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.411
Blank Corrected Pk Area (A-s): 0.415
Concentration (ug/L): 2.47
Time: 17:02
Peak Height (A): 0.036

Hg2 ID: CL BLK/CCB Seq. No.: 00081 A/S Pos.: 1 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.010
Blank Corrected Pk Area (A-s): -0.005
Time: 17:04
Peak Height (A): 0.003

Concentration (ug/L): -0.03

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Hg2 ID: A100547-21 10x Seq. No.: 00082 A/S Pos.: 50 Date: 01/03/10

Replicate 1 Time: 17:07
Peak Area (A-s): 0.508 Peak Height (A): 0.044
Blank Corrected Pk Area (A-s): 0.512
Concentration (ug/L): 3.05 Corrected Conc (ug/L): 1523.

Hg2 ID: A100741-5 10x Seq. No.: 00083 A/S Pos.: 51 Date: 01/03/10

Replicate 1 Time: 17:09
Peak Area (A-s): 0.808 Peak Height (A): 0.067
Blank Corrected Pk Area (A-s): 0.812
Concentration (ug/L): 4.83 Corrected Conc (ug/L): 2279.

Hg2 ID: CL BLK/CCB Seq. No.: 00084 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 17:11
Peak Area (A-s): 0.008 Peak Height (A): 0.004
Blank Corrected Pk Area (A-s): 0.013
Concentration (ug/L): 0.08

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00085 A/S Pos.: 5 Date: 01/03/10

Replicate 1 Time: 17:13
Peak Area (A-s): 0.420 Peak Height (A): 0.036
Blank Corrected Pk Area (A-s): 0.424
Concentration (ug/L): 2.52

Hg2 ID: CL BLK/CCB Seq. No.: 00086 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 17:15
Peak Area (A-s): -0.006 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.001
Concentration (ug/L): -0.01

Hg2 ID: A100287-1 10x Seq. No.: 00087 A/S Pos.: 28 Date: 01/03/10

Sample abs. is greater than that of the largest standard.
Replicate 1 Time: 17:17
Peak Area (A-s): 4.616 Peak Height (A): 0.213
Blank Corrected Pk Area (A-s): 4.620
Concentration (ug/L): 27.48 Corrected Conc (ug/L): 274.8

Hg2 ID: CL BLK/CCB Seq. No.: 00088 A/S Pos.: 1 Date: 01/03/10

Replicate 1 Time: 17:20
Peak Area (A-s): -0.057 Peak Height (A): 0.003
Blank Corrected Pk Area (A-s): -0.053
Concentration (ug/L): -0.31

10/31/00

Hg2 ID: A100287-1 10x10 Seq. No.: 00089 A/S Pos.: 52 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.290
Blank Corrected Pk Area (A-s): 0.294
Concentration (ug/L): 1.75

Time: 17:22
Peak Height (A): 0.017
Corrected Conc (ug/L): 17.5

x 10 = 175 ✓

Hg2 ID: CL BLK/CCB Seq. No.: 00090 A/S Pos.: 1 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.017
Blank Corrected Pk Area (A-s): -0.012
Concentration (ug/L): -0.07

Time: 17:24
Peak Height (A): 0.003

Hg2 ID: STD/CCV 2.50ppb Seq. No.: 00091 A/S Pos.: 5 Date: 01/03/10

Replicate 1
Peak Area (A-s): 0.411
Blank Corrected Pk Area (A-s): 0.416
Concentration (ug/L): 2.47

Time: 17:26
Peak Height (A): 0.036

Hg2 ID: CL BLK/CCB Seq. No.: 00092 A/S Pos.: 1 Date: 01/03/10

Replicate 1
Peak Area (A-s): -0.022
Blank Corrected Pk Area (A-s): -0.017
Concentration (ug/L): -0.10

Time: 17:28
Peak Height (A): 0.003

STANDARDS PREPARATION RECORD
Metals Department

20

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst initials	Date	
M-1039	C2995	Ca 2000ppm	50 ml 20 ml	2% HNO ₃ C3143	04-25-01	UKC	10-25-00	
3010 MIN SPIKE	C2994	K						
	C2996	Mg						
	C2993	Na						
	C3035	Al 200ppm		5 ml 2 ml				
	C3036	Fe 100ppm	2.5 ml 1 ml					
M1040	C3118	SnCl ₂	13.1 gms → 1L	3% HCl C3151		UK	10/25/00	
M1041	C3657	Sput 20ppb	0.04 ml → 200 ml	2% HNO ₃ C3143 1% HCl C3151	4/25/01	L	↓	
M-1042	M0300	Ricca Hg 100ppb	1.0 ml → 100ml	2% HNO ₃	04-26-01	UKC	10-26-00	
M-1043	M0301	BAKER Hg 100ppb	1.0 ml → 100ml	↓	↓	↓	↓	
M-1044	M-1042	Ricca 10ppb	5 ml → 50 ml	2% HNO ₃	04-26-01	UKC	10-26-00	
M-1045	M-1043	BAKER 10ppb	5 ml → 50 ml	↓	↓	↓	↓	
M1046	C3118	SnCl ₂	21.2 g → 1.5 L	3% HCl C3151		SD	10/27/00	
M1047	C2873	Ag 1.0ppm	1 ml } VS=1L	2% HNO ₃ C3143 5% HCl C3151	4/30/01	SD	10/30/00	
	C3016	Y 0.5ppm	0.05 ml	↓	↓	↓	↓	
M1048	M0310	Baker Hg 10ppb	1 ml → 100 ml	0.5% BrCl M0974	11/30/00	SD	10/30/00	
M1049	M0309	Ricca Hg 10ppb	1 ml → 100 ml	↓	↓	↓	↓	
M1050	M1049	Ricca Hg 1ppb	10 ml → 100 ml	↓	↓	↓	↓	

ICP
SUPPORTING DOCUMENTATION

CALTEST ANALYTICAL LABORATORY
ACID DIGESTION LOG FOR METALS PREPARATION

Prep Method 3050		Analyst Start UKC		Date Start 10-24-00	
QC Batch # A000876 ICP		Analyst Finish UKC		Date Finish 10-26-00	
Sample ID #	Initial Mass	Final Volume	Initial Mass	Final Volume	Comments/ Matrix
Reagent Blank	$DI H_2O$	50 ml	2.50 g		
LCS					
LCS D					
1. QC Sample A100547-16			2.50 g		pH<2
Matrix Spike					
Matrix Spike Dup.					
2. A100561-1			2.59 g		
3. A100577-1			2.98 g	*	
4. -2			2.82 g	*	
5. -3			3.11 g	* swipes	
6. A100506-1			2.54	*	
7. -2			2.67	*	
8. -3			2.60		very wet sample.
9. A100547-12			2.55		
10. -13			2.56		
11. -14			2.54		
12. -15			2.51		
13. -21			2.50		
14. A100554-2			0.41		FILTER PAPER
15.					
16.					
17.					
18.					
19.					
20.					

ICP Spike	Vol.	GFAA Spike	Vol.	FIAS Spike	Vol.	Tekran Spike	Vol.	Lot #:
M-0947	2.5 ml							HCl C3131
M-0868	*							HNO ₃ C3143
M-1029	0.5 ml							H ₂ SO ₄
C-2979	0.05 ml							K ₂ S ₂ O ₈
C-3058	0.250 ml							KMnO ₄
M-0676	0.250 ml							H ₂ O ₂ C-2960
								KBr

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Caltest Analytical Laboratory

STANDARDS PREPARATION RECORD
Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst initials	Date
M0947	C 3127	Various ^{10x dil}	25ml → 250 ml ^{3050 SPL} CKTJAM48 ¹²⁵⁰	2% HNO ₃ C 3081	3/25/01	SD	9/25/00
M0948	C2601	KI	7.06 gms → 60 ml	D.I. H ₂ O	-	LM	9/25/00
M0949	M0823	As 20ppb	2mls → 100 ml	10% HCl C3131 17% H ₂ O C3089	-	↓	↓
M0950	M0537	Spec 10ppb	1ml → 100 ml	↓	-	↓	↓
M0951	M0658	Se 20ppb	2mls → 100 ml	↓	-	↓	↓
M0952	M0537	Spec 10ppb	1ml → 100 ml	↓	-	↓	↓
M-0953	M-0913	BAKER Hg 10ppb	5ml → 50 ml	2% HNO ₃ C3081	03-25-00	UKC	09-25-00
M-0954	M-0914	RICCA Hg 10ppb	5ml → 50 ml	↓	↓	UKC	↓
M0955	M0310	Baker Hg 10ppb	1ml → 100ml	0.5% BrCl M8334	10/25/00	SD	9/29/00
M0956	M0309	Ricca Hg 10ppb	1ml → 100ml	↓	↓	↓	↓
M0957	M0956	Ricca Hg 1ppb	10ml → 100ml	↓	↓	↓	↓
M0958	C2919	NaOH	6 pellets 3 VF = 1L	D.I. H ₂ O	-	LM	9/25/00
	C3812	NaOH	2.0 gms				
M0959	C3118	SnCl ₂	90g → 3L	5% HCl C3131	-	SD	9/26/00
M0960	C3118	SnCl ₂	21.0 gms → 1.5 L	5% HCl C3131	-	LM	9/26/00
M-0961	C-3117	CITRIC ACID	168g 2 VF 4 L	D.I. H ₂ O	12-27-00	UKC	9-27-00
STLC-BUFFER	M-0894	NaOH 10N	160ml 5				

Caltest Analytical Laboratory

STANDARDS PREPARATION RECORD

Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst Initials	Date
M0868	C2994	K 1000ppm	25ml	29% HNO ₃ C3001	8-28-00	EFD	8-25-00
3050 MIN SPIKE	C2993	Na	} V _f = 250 ml				
	C2995	Ca					
	C2996	Mg					
	C3036	Fe 200ppm					
	C3035	Al					
M0869	C2741	NaOH	6 pellets } V _f = 1L	DI H ₂ O	-	UM	8/28/00
	C3812	NaBH ₄	2.03 gms				
M0870	M0658	Se 20 ppb	2 ml → 100 ml	10% HCl C3115 1% H ₂ SO ₄ C2930	-		
M0871	M0537	Spike 10 ppb	1 ml → 100 ml	↓	-		
M0872	C2549	K ₂ S ₂ O ₈	45g → 400ml	DI H ₂ O	11-28-00	EFD	8-28-00
M0873	C2961	SnCl ₂	13.2 gms → 1L	3% HCl C3115	-	UM	8/29/00
M0874	C2601	KI	7.04g → 60g	DI H ₂ O	-	SD	8/30/00
M0875	M0823	As 20ppb	2ml → 100ml	1% H ₂ SO ₄ C2930 10% HCl C2115	11/30/00	SD	8/30/00
M0876	M0537	Spike 10ppb	1 ml → 100 ml	↓	↓	↓	↓
M0877	C2741	NaOH	6 pellets } V _f = 1L	DI H ₂ O	-	UM	8/30/00
	C3812	NaBH ₄	2.03 gms	↓		↓	↓
M0878	M0704	BAKER Hg 10ppb	5ml → 50ml	29% HNO ₃ C3001	10-30-00	EFD	8-30-00
M0879	M0705	RICCA Hg 0ppb	5ml → 50ml	↓	↓	↓	↓

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STANDARDS PREPARATION RECORD
Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst Initials	Date
M1028	C3137	Mn	↓	↓	↓	↓	↓
(cont)	C3055	Ni					
	C3002	Pb					
	C2979	Sb					
	C3059	Se					
	C3048	Tl					
	C2982	V					
	C2981	Zn					
	C2994	K 50 ppm					
	C3058	B 5 ppm					
	C2993	Na 100 ppm					
	C3016	Y 0.5 ppm					
M1029	C2730	Ag 100 ppm					
M1030	C2601	KI	7.08 gm → 60 ml	DI H ₂ O	-	um	10/24/00
M1031	C2919	NaOH	6 pellets } vf=1L	↓		↓	↓
	C3812	NaBH ₄	2.10 gms				

REVIEWED BY:
 10/20/00
 QA OFFICER

STANDARDS RECORD- Metals Department

Code	Element	Conc.	Matrix	Date of Receipt	Date of Expir.	Supplier	Lot #	Initials
C2926	Si	10,000 ppm	H ₂ O/tr HF	3/9/00	3/15/01	Spx	06-1435E	UM
C2942	B ₂	1000 ppm	27% HNO ₃	3/00	9/28/01	CPI	0AF120	UM
C2943	Cr	↓	↓	↓	↓	↓	0AF075	↓
C2968-A	ICPMSICS soln A	various	27% HNO ₃	4/00	4/17/2001	Env. Express	8222:11	UM
C2968-B	ICPMSICS soln: B	"	" +tr HF	↓	↓	↓	J	↓
C2969	ICP MS calst	mixed	57% HNO ₃ +tr HF	↓	↓	↓	914103	↓
C2970	Multi Elem. Int. 31Q	10 ppm	27% HNO ₃	5/00	4/15/01	Spx	18-61AS	UM
C2971	Ge	10 ppm	H ₂ O	↓	↓	↓	CLL-146GE	↓
C2980	Co	1000 ppm	57% HNO ₃	5/00	7/01	RCCA	1001447	UM
C2982	V	↓	↓	↓	9/01	↓	1003583	↓
C2981	Zn	↓	↓	↓	↓	↓	1003584	↓
C3002	Pb	↓	↓	↓	7/01	↓	1001456	↓
C2979	Sb	1000 pp	20% HCl	5/00	9/01	RCCA	1003568	CEP
C2994	K	10,000 ppm	17% HNO ₃	5/00	11/12/01	CPI	0BR005	MB
C3015	Cd	1000 pp	5% HNO ₃	5/00	7/01	Baker	N30415	CEP
C3016	Y	10,000 ppm	57% HNO ₃	6/00	12/01	J.T. Baker	N4843Z	MB
C2993	Na	10,000 ppm	17% HNO ₃	5/00	11/01	CPI	0BF176	UM
C2995	Ca	↓	49% HNO ₃	↓	↓	↓	0CF209	↓
C2996	Mg	↓	↓	↓	↓	↓	0DF182	↓
C3022	mixed ICPMS	10 ppm	17% HNO ₃ +tr HF	6/1/00	12/2/01	CPI	9LK098	UM
C3023	Ag, Au	↓	17% HNO ₃	↓	↓	↓	0DR189	↓

AVB/CALTEST/STDS RECORD

STANDARDS FOR DRD- Metals Department

Code	Element	Conc.	Matrix	Date of Receipt	Date of Expir.	Supplier	Lot #	Initials
C3024	In	1000 ppm	2% HNO ₃	6/1/00	12/2/01	CPI	0BF173	LM
C3025	mixed Int. Std	10 ppm	1% HNO ₃	↓	↓	↓	0CR143	↓
C3029	Tl	10,000 ppm	2% HNO ₃	6/00	12/12/01	CPI	0CF053	LM
C3033	CLPP-ICS-A	mixed	1.4% H ₂ O ₂	6/00	7/01/01	Inog. Vent.	R-MEB93010	↓
C3035	Al	10,000 ppm	5% HCl	↓	4/02	JT Baker	T17417	↓
C3036	Fe	↓	5% HNO ₃	6/00	8/01	↓	N31799	↓
C3041	B	1000 ppm	H ₂ O	6/26/00	6/30/01	Spey	7-126B	LM
C3042	Fe	1000 ppm	2% HNO ₃	↓	↓	↓	CL1-184FE	↓
C3043	mix	Inst. Check Std	10 ppm 2% HNO ₃	↓	↓	↓	16-119AS	↓
C3044	Ca, Fe, K, Mg, Na	200 ppm	2% HNO ₃	↓	↓	↓	17-2AS	↓
C3045	Mo, Sn, Sr, Ti	10 ppm	2% HNO ₃ + tr HF	↓	↓	↓	17-3AS	↓
C3048	Tl	1000 ppm	2% HNO ₃	6/29/00	6/30/01	Spey	7-89TL	LM
C3054	Fe	10,000 ppm	5% HNO ₃	7/5/00	9/01	JT Baker	N38433	LM
C3055	Ni	1000 ppm	2% HNO ₃	7/10/00	6/30/01	Spey	7-139NT	↓
C3056	QC-7A	various	5% HNO ₃ + tr HF	↓	↓	↓	16-155AS	↓
C3057	QC-21	↓	5% HNO ₃ + tr HF	↓	↓	↓	18-137AS	↓
C3058	B	1000 ppm	H ₂ O w/tr H ₂ O ₂	↓	9/01	Ultra Scientific	IF-0354	↓
C3059	Se	1000 ppm	5% HNO ₃	7/12/00	12/01	RICCA	1006363	LM
C30680	Cu	↓	↓	7/12/00	7/01	↓	1001446	↓
C3070	Na	10,000 ppm	5% HNO ₃	7/19/00	12/01	JT Baker	N49797	↓
C3071	Ce	1000 ppm	2% HNO ₃	7/20/00	1/19/02	CPI	9KM130	↓

AVB/CALTEST/STDS RECORD

STANDARDS PREPARATION RECORD
Metals Department

Standard ID	Caltest Source	Concentration	Standard Preparation	Matrix	Expiration date	Analyst initials	Date
M0675	C3812	$\frac{1}{3}$ NaBH ₄	2.0 g $\sum V_f = 1.0L$	DI H ₂ O	-	MB	7-3-00
	C2741	NaOH	6 pellets				
M0676	C3016	Y 100ppm	10ml → 1000ml	2% HNO ₃ C2997	10/05/00 10/05/00	CEP	7/05/00
M0677	C2961	SnCl ₂	90g → 3L	5% HCl C2998	- 10/25	SD	7/6/00
M0678	C2788	As 1ppm	1ml → 1L	2% HCl C2998	10/6/00	SD	7/6/00
M0679	C2995	Ca 2000ppm	20ml	2% HNO ₃ C2997	10/6/00	CEP	7/6/00
3010min spike	C2994	K	} V _f = 100ml				
	C2996	Mg					
	C2993	Na					
	C2809	Al 200ppm		2ml			
	C3036	Fe 100ppm		1ml			
M0680	C2961	SnCl ₂	26.2 g → 2L	30% HCl C2998	-	MB	07.06.00

REVIEWED BY:
Cpw 7/15/00
QA OFFICER

TJA1470

10/26/00

SD

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICB1	TJA1470	ICAP4HI	10/26/00	13:29	SD	S	CONC
2	CRDL1	TJA1470	ICAP4HI	10/26/00	13:34	SD	S	CONC
3	CRDL1	TJA1470	ICAP4HI	10/26/00	13:46	SD	S	CONC
4	TJA#1	TJA1470	ICAP4HI	10/26/00	13:52	SD	S	CONC
5	TJA#2	TJA1470	ICAP4HI	10/26/00	13:57	SD	S	CONC
6	TJA#3	TJA1470	ICAP4HI	10/26/00	14:03	SD	S	CONC
7	ICV1	TJA1470	ICAP4HI	10/26/00	14:08	SD	S	CONC
8	ICV1	TJA1470	ICAP4HI	10/26/00	14:14	SD	S	CONC
9	ICV2 AL CA MG FE S11	TJA1470	ICAP4HI	10/26/00	14:19	SD	S	CONC
10	ICV3 AG1	TJA1470	ICAP4HI	10/26/00	14:24	SD	S	CONC
11	ICSA1	TJA1470	ICAP4HI	10/26/00	14:29	SD	S	CONC
12	IC SAB1	TJA1470	ICAP4HI	10/26/00	14:35	SD	S	CONC
13	CCB1	TJA1470	ICAP4HI	10/26/00	14:40	SD	S	CONC
14	CCB1	TJA1470	ICAP4HI	10/26/00	14:45	SD	S	CONC
15	BLK A000867GCP1	TJA1470	ICAP4HI	10/26/00	14:50	SD	S	CONC
16	A100348-2	TJA1470	ICAP4HI	10/26/00	14:56	SD	S	CONC
17	A100348-3	TJA1470	ICAP4HI	10/26/00	15:01	SD	S	CONC
18	A100348-4	TJA1470	ICAP4HI	10/26/00	15:06	SD	S	CONC
19	A100348-5	TJA1470	ICAP4HI	10/26/00	15:11	SD	S	CONC
20	A100348-6	TJA1470	ICAP4HI	10/26/00	15:16	SD	S	CONC
21	A100348-7	TJA1470	ICAP4HI	10/26/00	15:22	SD	S	CONC
	BLK A000873GCP1	TJA1470	ICAP4HI	10/26/00	15:27	SD	S	CONC
	A100441-3 X2 CA MG1	TJA1470	ICAP4HI	10/26/00	15:32	SD	S	CONC
24	A100441-4 X2	TJA1470	ICAP4HI	10/26/00	15:37	SD	S	CONC
25	CCB1	TJA1470	ICAP4HI	10/26/00	15:43	SD	S	CONC
26	CCV4	TJA1470	ICAP4HI	10/26/00	15:48	SD	S	CONC
27	CCV5	TJA1470	ICAP4HI	10/26/00	15:53	SD	S	CONC
28	CCB1	TJA1470	ICAP4HI	10/26/00	15:58	SD	S	CONC
29	A100260-2-S0 871ICP1	TJA1470	ICAP4HI	10/26/00	16:04	SD	S	CONC
30	A100260-2-L1 3005	TJA1470	ICAP4HI	10/26/00	16:09	SD	S	CONC
31	A100260-2-L2 AS1	TJA1470	ICAP4HI	10/26/00	16:14	SD	S	CONC
32	A100260-2	TJA1470	ICAP4HI	10/26/00	16:19	SD	S	CONC
33	A100260-2-S1	TJA1470	ICAP4HI	10/26/00	16:25	SD	S	CONC
34	A100260-2-S2	TJA1470	ICAP4HI	10/26/00	16:30	SD	S	CONC
35	A100260-6	TJA1470	ICAP4HI	10/26/00	16:35	SD	S	CONC
36	A100260-13	TJA1470	ICAP4HI	10/26/00	16:40	SD	S	CONC
37	A100260-14	TJA1470	ICAP4HI	10/26/00	16:46	SD	S	CONC
38	A100260-15	TJA1470	ICAP4HI	10/26/00	16:51	SD	S	CONC
39	CCB1	TJA1470	ICAP4HI	10/26/00	16:56	SD	S	CONC
40	CCV6	TJA1470	ICAP4HI	10/26/00	17:01	SD	S	CONC
41	CCV7	TJA1470	ICAP4HI	10/26/00	17:07	SD	S	CONC
42	CCB1	TJA1470	ICAP4HI	10/26/00	17:14	SD	S	CONC
43	A100260-16	TJA1470	ICAP4HI	10/26/00	17:20	SD	S	CONC
44	A100260-17	TJA1470	ICAP4HI	10/26/00	17:25	SD	S	CONC
45	A100260-18	TJA1470	ICAP4HI	10/26/00	17:30	SD	S	CONC
46	A100260-19	TJA1470	ICAP4HI	10/26/00	17:35	SD	S	CONC
47	A100260-20	TJA1470	ICAP4HI	10/26/00	17:41	SD	S	CONC
	A100260-21	TJA1470	ICAP4HI	10/26/00	17:46	SD	S	CONC
49	A100311-25	TJA1470	ICAP4HI	10/26/00	17:51	SD	S	CONC
50	A100323-1	TJA1470	ICAP4HI	10/26/00	17:56	SD	S	CONC
51	A100466-4	TJA1470	ICAP4HI	10/26/00	18:02	SD	S	CONC
52	A100465-1	TJA1470	ICAP4HI	10/26/00	18:07	SD	S	CONC
53	CCB1	TJA1470	ICAP4HI	10/26/00	18:12	SD	S	CONC

Entered By: SD 10/27/00
 Approved By: Gyo 10/27/00

Entered By: SD 10/31/00 (876 ICP) (881 ICP)
 Approved By: jfo (876 ICP) (881 ICP)

Sample Name	File	Method	Date	Time	OpID	Type	Mode
54 CCV8	TJA1470	ICAP4HI	10/26/00	18:17	SD	S	CONC
55 CCV9	TJA1470	ICAP4HI	10/26/00	18:22	SD	S	CONC
56 CCB1	TJA1470	ICAP4HI	10/26/00	18:28	SD	S	CONC
57 A100326-1-S0 885ICP1	TJA1470	ICAP4HI	10/26/00	18:33	SD	S	CONC
58 A100326-1-L1 200.2	TJA1470	ICAP4HI	10/26/00	18:38	SD	S	CONC
59 A100326-1-L2	TJA1470	ICAP4HI	10/26/00	18:43	SD	S	CONC
60 A100326-1	TJA1470	ICAP4HI	10/26/00	18:49	SD	S	CONC
61 A100326-1-S1	TJA1470	ICAP4HI	10/26/00	18:54	SD	S	CONC
62 A100326-1-S2	TJA1470	ICAP4HI	10/26/00	18:59	SD	S	CONC
63 A100325-6	TJA1470	ICAP4HI	10/26/00	19:04	SD	S	CONC
64 A100325-7	TJA1470	ICAP4HI	10/26/00	19:10	SD	S	CONC
65 A100326-2	TJA1470	ICAP4HI	10/26/00	19:15	SD	S	CONC
66 A100326-3	TJA1470	ICAP4HI	10/26/00	19:20	SD	S	CONC
67 CCB1	TJA1470	ICAP4HI	10/26/00	19:25	SD	S	CONC
68 CCV10	TJA1470	ICAP4HI	10/26/00	19:31	SD	S	CONC
69 CCV11	TJA1470	ICAP4HI	10/26/00	19:36	SD	S	CONC
70 CCB1	TJA1470	ICAP4HI	10/26/00	19:41	SD	S	CONC
71 A100326-4	TJA1470	ICAP4HI	10/26/00	19:46	SD	S	CONC
72 A100326-5	TJA1470	ICAP4HI	10/26/00	19:52	SD	S	CONC
73 A100326-6	TJA1470	ICAP4HI	10/26/00	19:57	SD	S	CONC
74 A100332-1	TJA1470	ICAP4HI	10/26/00	20:02	SD	S	CONC
75 A100352-1	TJA1470	ICAP4HI	10/26/00	20:07	SD	S	CONC
A100352-2	TJA1470	ICAP4HI	10/26/00	20:13	SD	S	CONC
A100223-1	TJA1470	ICAP4HI	10/26/00	20:18	SD	S	CONC
78 A100223-2	TJA1470	ICAP4HI	10/26/00	20:23	SD	S	CONC
79 A100223-3	TJA1470	ICAP4HI	10/26/00	20:28	SD	S	CONC
80 A100223-4	TJA1470	ICAP4HI	10/26/00	20:34	SD	S	CONC
81 CCB1	TJA1470	ICAP4HI	10/26/00	20:39	SD	S	CONC
82 CCV12	TJA1470	ICAP4HI	10/26/00	20:44	SD	S	CONC
83 CCV13	TJA1470	ICAP4HI	10/26/00	20:49	SD	S	CONC
84 CCB1	TJA1470	ICAP4HI	10/26/00	20:55	SD	S	CONC
85 A100223-5	TJA1470	ICAP4HI	10/26/00	21:00	SD	S	CONC
86 A100223-6	TJA1470	ICAP4HI	10/26/00	21:05	SD	S	CONC
87 CCB1	TJA1470	ICAP4HI	10/26/00	21:10	SD	S	CONC
88 A100546-9-S0 882ICP1	TJA1470	ICAP4HI	10/26/00	21:16	SD	S	CONC
89 A100546-9-L1 3005	TJA1470	ICAP4HI	10/26/00	21:21	SD	S	CONC
90 A100546-9-L2	TJA1470	ICAP4HI	10/26/00	21:26	SD	S	CONC
91 A100546-9	TJA1470	ICAP4HI	10/26/00	21:31	SD	S	CONC
92 A100546-9-S1	TJA1470	ICAP4HI	10/26/00	21:37	SD	S	CONC
93 A100546-9-S2	TJA1470	ICAP4HI	10/26/00	21:42	SD	S	CONC
94 A100544-1	TJA1470	ICAP4HI	10/26/00	21:47	SD	S	CONC
95 CCB1	TJA1470	ICAP4HI	10/26/00	21:52	SD	S	CONC
96 CCV14	TJA1470	ICAP4HI	10/26/00	21:58	SD	S	CONC
97 CCV15	TJA1470	ICAP4HI	10/26/00	22:03	SD	S	CONC
98 CCB1	TJA1470	ICAP4HI	10/26/00	22:08	SD	S	CONC
99 A100546-10	TJA1470	ICAP4HI	10/26/00	22:13	SD	S	CONC
100 A100546-11	TJA1470	ICAP4HI	10/26/00	22:19	SD	S	CONC
1 A100546-9 X5	TJA1470	ICAP4HI	10/26/00	22:24	SD	S	CONC
1 A100544-1 X5	TJA1470	ICAP4HI	10/26/00	22:29	SD	S	CONC
103 CCB1	TJA1470	ICAP4HI	10/26/00	22:34	SD	S	CONC
104 A100547-16-S0 876IC1	TJA1470	ICAP4HI	10/26/00	22:39	SD	S	CONC
105 S102 BLK X10 3050	TJA1470	ICAP4HI	10/26/00	22:45	SD	S	CONC
106 A100547-16-L1 X10	TJA1470	ICAP4HI	10/26/00	22:50	SD	S	CONC
107 A100547-16-L2 X10	TJA1470	ICAP4HI	10/26/00	22:55	SD	S	CONC

Not Reported

Sample Name	File	Method	Date	Time	OpID	Type	Mode
108 A100547-16 X10	TJA1470	ICAP4HI	10/26/00	23:00	SD	S	CONC
109 CCB1	TJA1470	ICAP4HI	10/26/00	23:06	SD	S	CONC
110 CCV16	TJA1470	ICAP4HI	10/26/00	23:11	SD	S	CONC
111 CCV17	TJA1470	ICAP4HI	10/26/00	23:16	SD	S	CONC
112 CCB1	TJA1470	ICAP4HI	10/26/00	23:21	SD	S	CONC
113 A100547-16-S1 X10	TJA1470	ICAP4HI	10/26/00	23:26	SD	S	CONC
114 A100547-16-S2 X10	TJA1470	ICAP4HI	10/26/00	23:32	SD	S	CONC
115 A100561-1 X10	TJA1470	ICAP4HI	10/26/00	23:37	SD	S	CONC
116 A100577-1	TJA1470	ICAP4HI	10/26/00	23:42	SD	S	CONC
117 A100577-2	TJA1470	ICAP4HI	10/26/00	23:47	SD	S	CONC
118 A100577-3	TJA1470	ICAP4HI	10/26/00	23:53	SD	S	CONC
119 A100506-1 X10	TJA1470	ICAP4HI	10/26/00	23:58	SD	S	CONC
120 A100506-2 X10	TJA1470	ICAP4HI	10/27/00	00:03	SD	S	CONC
121 A100506-3 X10	TJA1470	ICAP4HI	10/27/00	00:08	SD	S	CONC
122 A100547-12 X10	TJA1470	ICAP4HI	10/27/00	00:13	SD	S	CONC
123 CCB1	TJA1470	ICAP4HI	10/27/00	00:19	SD	S	CONC
124 CCV18	TJA1470	ICAP4HI	10/27/00	00:24	SD	S	CONC
125 CCV19	TJA1470	ICAP4HI	10/27/00	00:29	SD	S	CONC
126 CCB1	TJA1470	ICAP4HI	10/27/00	00:34	SD	S	CONC
127 A100547-13 X10	TJA1470	ICAP4HI	10/27/00	00:40	SD	S	CONC
128 A100547-14 X10	TJA1470	ICAP4HI	10/27/00	00:45	SD	S	CONC
129 A100547-15 X10	TJA1470	ICAP4HI	10/27/00	00:50	SD	S	CONC
129 A100547-21 X10	TJA1470	ICAP4HI	10/27/00	00:55	SD	S	CONC
130 A100554-2	TJA1470	ICAP4HI	10/27/00	01:01	SD	S	CONC
132 CCB1	TJA1470	ICAP4HI	10/27/00	01:06	SD	S	CONC
133 A100287-1-S0 881ICP1	TJA1470	ICAP4HI	10/27/00	01:11	SD	S	CONC
134 A100287-1-L1 3010	TJA1470	ICAP4HI	10/27/00	01:16	SD	S	CONC
135 A100287-1-L2 STL1	TJA1470	ICAP4HI	10/27/00	01:21	SD	S	CONC
136 A100287-1 X10	TJA1470	ICAP4HI	10/27/00	01:27	SD	S	CONC
137 CCB1	TJA1470	ICAP4HI	10/27/00	01:32	SD	S	CONC
138 CCV20	TJA1470	ICAP4HI	10/27/00	01:37	SD	S	CONC
139 CCV21	TJA1470	ICAP4HI	10/27/00	01:42	SD	S	CONC
140 CCB1	TJA1470	ICAP4HI	10/27/00	01:48	SD	S	CONC
141 A100287-1-S1 X10	TJA1470	ICAP4HI	10/27/00	01:53	SD	S	CONC
142 A100287-1-S2 X10	TJA1470	ICAP4HI	10/27/00	01:58	SD	S	CONC
143 CCB1	TJA1470	ICAP4HI	10/27/00	02:03	SD	S	CONC
144 CCV22	TJA1470	ICAP4HI	10/27/00	02:09	SD	S	CONC
145 CCV23	TJA1470	ICAP4HI	10/27/00	02:14	SD	S	CONC
146 ICSA1	TJA1470	ICAP4HI	10/27/00	02:19	SD	S	CONC
147 IC SAB1	TJA1470	ICAP4HI	10/27/00	02:24	SD	S	CONC

#	Sample Name	Ag3280	Al3082	As1890
1	ICB1	0.00003	-0.00683	0.00013
2	CRDL1	0.00275	0.08739	0.00432
3	CRDL1	0.00306	0.09605	0.00475
4	IJA#1	-0.00350	0.01361	5.03541
5	IJA#2	0.00050	101.68534	0.01866
6	IJA#3	0.99295	0.02533	0.00271
7	ICV1	2.49115	2.54108	2.52528
8	ICV1	2.46228	2.49081	2.45648
9	ICV2 AL CA MG FE SI1	0.00113	48.03617	0.01194
10	ICV3 AG1	0.48295	0.01526	0.00278
11	ICSA1	0.00011	461.31652	0.00034
12	ICSAB1	0.05405	479.85174	0.05127
13	CCB1	-0.00001	HO.14199	0.00027
14	CCB1	0.00012	0.04264	0.00054
15	BLK A00086/GCP1	0.00007	0.04302	-0.00029
16	A100348-2	-0.00011	2.12434	0.01374
17	A100348-3	0.00080	0.87170	0.00196
18	A100348-4	-0.00020	13.54922	0.00678
19	A100348-5	0.00704	7.80978	0.00607
20	A100348-6	-0.00010	1.53324	0.00573
21	A100348-7	0.00043	2.29883	0.00517
	BLK A00087/3GCP1	-0.00014	-0.00877	-0.00104
23	A100441-3 X2 CA MG1	-0.00113	0.10940	0.01105
24	A100441-4 X2	-0.00124	0.21154	0.00746
25	CCB1	-0.00034	-0.02337	-0.00040
26	CCV4	0.50998	-0.02167	2.56380
27	CCV5	-0.00015	49.13612	0.00811
28	CCB1	-0.00025	-0.00726	0.00171
29	A100260-2-S0 871ICP1	-0.00026	-0.01115	0.00286
30	A100260-2-L1 3005	0.04302	1.86012	0.10328
31	A100260-2-L2 AS1	0.04331	1.85343	0.10148
32	A100260-2	-0.00059	-0.00349	0.01672
33	A100260-2-S1	0.04386	1.88491	0.11842
34	A100260-2-S2	0.04358	1.90855	0.12137
35	A100260-6	-0.00027	0.01046	0.01602
36	A100260-13	-0.00039	0.00450	0.01712
37	A100260-14	-0.00036	0.00433	0.02034
38	A100260-15	-0.00040	0.00140	0.01682
39	CCB1	-0.00024	-0.00695	0.00109
40	CCV6	0.50879	-0.00502	2.56245
41	CCV7	0.00014	48.76920	0.01193
42	CCB1	-0.00024	0.00032	0.00239
43	A100260-16	-0.00028	0.01157	0.02205
44	A100260-17	-0.00062	0.01244	0.01623
45	A100260-18	-0.00061	3.19973	0.00236
46	A100260-19	-0.00043	2.05011	0.00124
47	A100260-20	-0.00039	0.00946	0.02031
	A100260-21	-0.00038	0.00700	0.01637
49	A100311-25	-0.00043	0.00969	0.14967
50	A100323-1	-0.00020	0.00677	0.01787
51	A100466-4	-0.00053	0.00295	0.01511
52	A100465-1	-0.00039	0.01280	0.01992
53	CCB1	-0.00021	-0.01149	-0.00041

Sample Name	Ag3280	A13082	As1890
54 CCV8	0.50846	-0.02007	2.58586
55 CCV9	-0.00016	L46.77892	0.01226
56 CCB1	-0.00068	-0.01671	0.00268
57 A100326-1-S0 8851CP1	-0.00046	-0.02468	0.00260
58 A100326-1-L1 200.2	0.04339	1.79385	0.09979
59 A100326-1-L2	0.04345	1.98072	0.09989
60 A100326-1	0.00224	2.93718	0.00241
61 A100326-1-S1	0.04573	4.78026	0.10000
62 A100326-1-S2	0.04594	4.75888	0.09881
63 A100325-6	0.00435	H121.38234	0.02370
64 A100325-7	-0.00040	19.99848	0.01528
65 A100326-2	0.00084	1.78688	0.00205
66 A100326-3	0.00006	1.13266	0.00056
67 CCB1	-0.00027	-0.00874	-0.00055
68 CCV10	0.50979	-0.00835	2.58757
69 CCV11	0.00000	48.68541	0.01239
70 CCB1	-0.00037	0.00759	0.00373
71 A100326-4	0.00030	42.86704	0.01248
72 A100326-5	0.00020	84.75988	0.02976
73 A100326-6	0.00549	78.55625	0.02682
74 A100332-1	-0.00026	0.12810	-0.00046
75 A100352-1	-0.00022	0.15169	0.00068
76 A100352-2	0.00318	2.86878	0.00086
A100223-1	0.01869	8.07891	0.00759
78 A100223-2	0.00304	1.74744	0.01217
79 A100223-3	0.00128	3.35455	0.00856
80 A100223-4	0.00139	3.54093	0.00979
81 CCB1	-0.00040	0.00383	-0.00039
82 CCV12	0.50696	0.00218	2.61734
83 CCV13	0.00023	48.14949	0.01596
84 CCB1	0.00003	0.02248	0.00323
85 A100223-5	L-0.00733	2.99248	L-0.08995
86 A100223-6	0.06758	11.52009	L-0.05300
87 CCB1	-0.00056	-0.01004	-0.00034
88 A100546-9-S0 8821CP1	-0.00025	-0.01158	0.00079 ✓
89 A100546-9-L1 3005	0.04275	1.88788	0.10487
90 A100546-9-L2	0.04277	1.91073	0.10564
91 A100546-9	-0.00029	0.13616	0.01807
92 A100546-9-S1	0.04260	1.92451	0.12575
93 A100546-9-S2	0.04311	1.92027	0.12153
94 A100544-1	-0.00026	0.02751	0.01955
95 CCB1	-0.00016	-0.01448	0.00194
96 CCV14	0.50481	-0.02187	H2.70459 -108% ok for 2010
97 CCV15	-0.00014	✓47.39425 -95%	0.01109
98 CCB1	-0.00020	-0.00848	H0.00416
99 A100546-10	-0.00036	0.00698	0.00160
100 A100546-11	-0.00048	-0.00751	0.01617
101 A100546-9 X5	-0.00070	0.09680	0.01569
1 A100544-1 X5	-0.00167	-0.00298	0.01154
1 CCB1	-0.00008	-0.00800	0.00001
104 A100547-16-S0 8761CT 7	-0.09756 ✓	-0.90829 ✓	0.27826 ✓
105 S102 BLK X10 3050	-0.05159	2.97761	0.17260
106 A100547-16-L1 X10	19.04577	187.28771	20.91032
107 A100547-16-L2 X10	18.76784	185.04852	20.53227

Sample Name	Ag3280	Al3082	As1890
108 A100547-16 X10	-0.02546	6175.68945	6.35905
109 CCB1	-0.00023	-0.00998	0.00165
110 CCV16	0.50626	-0.02075	H2.72036 -109% of sor 6010
111 CCV17	0.00002	47.25545 -95%	0.01317
112 CCB1	-0.00032	-0.00863	0.00272
113 A100547-16-S1 X10	17.48032	7171.85839	24.33401
114 A100547-16-S2 X10	17.36350	7116.34960	24.07087
115 A100561-1 X10	0.02888	H76160.32812	22.31625
116 A100577-1	-0.00069	4.78884	0.01796
117 A100577-2	-0.00068	4.30336	0.01253
118 A100577-3	-0.00073	3.33487	0.01075
119 A100506-1 X10	4.61211	5352.60107	2.73013
120 A100506-2 X10	0.38617	367.14733	0.36851
121 A100506-3 X10	0.22645	227.02407	-0.15079
122 A100547-12 X10	0.32449	6165.62988	5.65887
123 CCB1	-0.00010	-0.00616	0.00264
124 CCV18	0.50522	-0.02556	H2.73443 -109% of sor 6010
125 CCV19	0.00030	47.31666 -95%	0.01532
126 CCB1	-0.00027	-0.01393	H0.00461
127 A100547-13 X10	0.52802	5279.72558	207.36294
128 A100547-14 X10	-0.07507	5754.44726	4.78839
129 A100547-15 X10	0.01007	6546.07910	4.15503
130 A100547-21 X10	37.58193	5227.79199	184.81639
131 A100554-2	-0.12303	1962.86206	55.94109
132 CCB1	0.00003	-0.01527	0.00167
133 A100287-1-S0 881ICP1	-0.00509 ✓	-0.05300	0.06655 ✓
134 A100287-1-L1 3010	9.52872	36.10852	2.14037
135 A100287-1-L2 SILC1	9.49751	36.40591	2.13115
136 A100287-1 X10	-0.00144	0.03878	0.26562
137 CCB1	-0.00009	-0.02899	H0.00843
138 CCV20	0.50473	-0.03365	H2.76275 -110% of sor 6010
139 CCV21	0.00005	47.72618	0.01423
140 CCB1	-0.00007	-0.01627	H0.00640
141 A100287-1-S1 X10	8.07364	35.41712	2.48554
142 A100287-1-S2 X10	7.78494	36.33644	2.55467
143 CCB1	-0.00022	-0.03146	H0.00870
144 CCV22	0.50257	-0.03204	H2.75730 -110% of sor 6010
145 CCV23	0.00061	47.56926	0.02985
146 ICSA1	-0.00010	448.58462	0.00693
147 IC SAB1	0.05360	467.60839	0.05789

Sample Name	B_2496	Ba4934	Be3130
1 ICB1	0.00378	0.00011	-0.00013
2 CRDL1	0.09855	0.00523	0.00093
3 CRDL1	0.09940	0.00518	0.00088
4 IJA#1	4.97506	4.94113	4.90587
5 IJA#2	0.01611	-0.00140	0.00068
6 IJA#3	0.00371	0.00030	0.00025
7 ICV1	2.61561	2.52561	2.53819
8 ICV1	2.55793	2.48679	2.49529
9 ICV2 AL CA MG FE SI1	0.01996	-0.00012	0.00058
10 ICV3 AG1	0.00601	0.00029	0.00014

Sample Name	B_2496	Ba4934	Be3130
11 IC5A1	-0.04388	-0.00382	-0.00060
12 IC5AB1	0.52241	0.04731	0.04769
13 CCB1	0.00403	0.00004	-0.00010
14 CCB1	0.00270	0.00001	-0.00011
15 BLK A000867GCP1	0.00086	-0.00002	-0.00009
16 A100348-2	0.33115	0.07383	-0.00020
17 A100348-3	2.68547	0.06686	-0.00004
18 A100348-4	2.06938	0.08188	-0.00043
19 A100348-5	1.39163	0.08987	-0.00046
20 A100348-6	0.59409	0.07548	-0.00024
21 A100348-7	2.67960	0.06854	-0.00016
22 BLK A000873GCP1	0.00344	-0.00000	-0.00019
23 A100441-3 X2 CA MGT	1.23205	0.08644	-0.00033
24 A100441-4 X2	1.27718	0.08319	-0.00033
25 CCB1	0.00245	-0.00007	-0.00020
26 CCV4	2.35045	2.40241	H2.63205
27 CCV5	0.00921	-0.00085	0.00032
28 CCB1	0.00251	0.00010	0.00000
29 A100260-2-S0 8711CP1	0.00169	0.00050	-0.00013
30 A100260-2-L1 3005	0.94751	0.09667	0.01050
31 A100260-2-L2 AS1	0.94275	0.09662	0.01048
32 A100260-2	0.25268	0.29241	-0.00017
33 A100260-2-S1	1.22024	0.38744	0.01052
A100260-2-S2	1.23517	0.38571	0.01056
35 A100260-6	0.25794	0.29864	-0.00016
36 A100260-13	0.42715	0.25838	-0.00016
37 A100260-14	0.43157	0.26353	-0.00015
38 A100260-15	0.24653	0.12502	-0.00017
39 CCB1	0.00119	-0.00003	-0.00017
40 CCV6	2.43842	2.39384	2.61831
41 CCV7	0.00914	-0.00077	0.00038
42 CCB1	0.00212	0.00001	-0.00004
43 A100260-16	0.44755	0.20927	-0.00010
44 A100260-17	0.24496	0.12420	-0.00014
45 A100260-18	0.01437	0.05289	-0.00026
46 A100260-19	0.01825	0.04607	-0.00023
47 A100260-20	0.44598	0.21688	-0.00015
48 A100260-21	0.25310	0.28956	-0.00014
49 A100311-25	0.93054	0.06552	-0.00014
50 A100323-1	0.39468	0.22644	-0.00013
51 A100466-4	0.25054	0.28463	-0.00015
52 A100465-1	0.44440	0.21442	-0.00015
53 CCB1	0.00096	-0.00001	-0.00017
54 CCV8	2.36838	2.38491	H2.64952
55 CCV9	0.00920	-0.00076	0.00034
56 CCB1	0.00187	0.00004	-0.00003
57 A100326-1-S0 8851CP1	0.00054	0.00009	-0.00012
58 A100326-1-L1 200.2	0.88583	0.09548	0.01022
A100326-1-L2	0.89655	0.09565	0.01021
A100326-1	0.00769	0.03654	-0.00037
61 A100326-1-S1	0.88569	0.12730	0.00989
62 A100326-1-S2	0.89074	0.12879	0.00986
63 A100325-6	0.23750	1.58580	0.00318
64 A100325-7	0.12235	0.59290	0.00068

Sample Name	H_2496	Ba4934	Be3130
65 A100326-2	0.00550	0.02383	-0.00027
66 A100326-3	0.00763	0.01633	-0.00023
67 CCB1	0.00103	-0.00005	-0.00017
68 CCV10	2.39682	2.38708	H2.64239
69 CCV11	0.00938	-0.00082	0.00036
70 CCB1	0.00213	0.00002	0.00000
71 A100326-4	0.11544	0.93108	0.00174
72 A100326-5	0.05758	1.80857	0.00322
73 A100326-6	0.08149	2.03871	0.00154
74 A100332-1	0.11953	0.03068	-0.00011
75 A100352-1	0.51967	0.00593	-0.00009
76 A100352-2	0.49302	0.04760	-0.00008
77 A100223-1	2.17800	0.14310	-0.00007
78 A100223-2	1.35151	0.28426	-0.00006
79 A100223-3	3.60243	0.03085	0.00030
80 A100223-4	H7.97150	0.89724	-0.00003
81 CCB1	0.01034	0.00016	-0.00012
82 CCV12	2.53787	L2.35273	H2.67961
83 CCV13	0.01202	-0.00068	0.00061
84 CCB1	0.00420	0.00005	0.00004
85 A100223-5	H49.47992	0.04203	0.00332
86 A100223-6	H53.42082	0.71173	0.00846
CCB1	0.04378	0.00002	-0.00014
88 A100546-9-S0 8821CP1	0.02612	0.00007	-0.00016
89 A100546-9-L1 3005	1.02423	0.09100	0.01103
90 A100546-9-L2	1.02370	0.09138	0.01110
91 A100546-9	0.21608	0.14605	-0.00014
92 A100546-9-S1	1.22972	0.23319	0.01111
93 A100546-9-S2	1.24228	0.23692	0.01116
94 A100544-1	0.44850	0.22350	-0.00013
95 CCB1	0.00727	-0.00005	-0.00016
96 CCV14	2.58055	L2.27927-91% ok	H2.79202
97 CCV15	0.01362	-0.00113 60600	0.00020
98 CCB1	0.00458	0.00001	-0.00002
99 A100546-10	0.33173	0.35324	-0.00010
100 A100546-11	0.21055	0.13474	-0.00012
101 A100546-9 X5	0.22371	0.14904	-0.00068
102 A100544-1 X5	0.46343	0.22545	-0.00068
103 CCB1	0.00238	-0.00008	-0.00013
104 A100547-16-S0 8761C1	0.39746 ✓	-0.00586 ✓	-0.02729 ✓
105 SiO2 BLK x10 3050	0.42330	0.00593	-0.02748
106 A100547-16-L1 x10	99.20281	91.13798	22.33887
107 A100547-16-L2 x10	99.61570	89.80233	21.96797
108 A100547-16 x10	2.25586	92.32114	-0.39023
109 CCB1	0.00256	0.00004	-0.00016
110 CCV16	2.59827	L2.26567-91% ok	H2.81795
111 CCV17	0.01116	-0.00111	0.00023
CCB1	0.00297	0.00000	-0.00003
A100547-16-S1 x10	86.46119	178.66500	19.34286
114 A100547-16-S2 x10	85.31687	182.57595	19.51588
115 A100561-1 x10	1.69994	110.02439	0.84764
116 A100577-1	0.04766	1.84922	-0.00046
117 A100577-2	0.05134	2.68892	-0.00051
118 A100577-3	0.02375	H6.23329	-0.00047

Review Be

Sample Name	B_2496	Ba4934	Be3130
119 A100506-1 X10	12.35552	165.42782	-0.00036
120 A100506-2 X10	2.82615	14.30505	-0.03194
121 A100506-3 X10	1.95282	9.84924	-0.03203
122 A100547-12 X10	3.66283	170.61892	L-0.49547
123 CCB1	0.00163	0.00014	-0.00017
124 CCV18	2.62281	L2.24962 -90% ok	H2.83574
125 CCV19	0.01087	-0.00102 20%o	0.00028
126 CCB1	0.00303	0.00001	-0.00004
127 A100547-13 X10	3.66647	122.78082	L-0.40403
128 A100547-14 X10	2.89620	85.42208	L-0.43581
129 A100547-15 X10	3.07783	89.34085	L-0.43302
130 A100547-21 X10	40.70152	143.49430	48.27304
131 A100554-2	707.53088	13.69378	-0.02567
132 CCB1	0.00841	-0.00000	-0.00018
133 A100287-1-S0 88TICP1	0.04508	0.01516	-0.00151
134 A100287-1-L1 3010	10.06130	8.90832	2.28921
135 A100287-1-L2 STLC1	9.78214	8.98203	2.31331
136 A100287-1 X10	8.09833	0.02352	-0.02450
137 CCB1	0.00365	-0.00007	-0.00018
138 CCV20	2.63054	L2.23116 -LOW	H2.86912
139 CCV21	0.01089	-0.00103	0.00034
140 CCB1	0.00331	0.00001	-0.00005
1 A100287-1-S1 X10	11.63706	9.21087	2.31226
1 A100287-1-S2 X10	15.67107	9.12989	2.31613
143 CCB1	0.00491	0.00022	-0.00009
144 CCV22	2.63201	L2.25641	H2.83471
145 CCV23	0.01469	-0.00007	0.00134
146 ICSA1	-0.04048	-0.00457	-0.00054
147 ICSAB1	0.55460	0.04121	0.05503

# Sample Name	Ca3179	Cd2265	Co2286
1 CCB1	0.00024	0.00028	0.00001
2 CRDL1	0.20127	0.00105	0.00189
3 CRDL1	0.20080	0.00118	0.00181
4 TJA#1	0.00308	4.97207	5.01924
5 TJA#2	98.71037	0.00199	0.00125
6 TJA#3	0.02324	0.00022	0.00149
7 ICV1	2.55758	2.55162	2.55621
8 ICV1	2.51262	2.49034	2.49055
9 ICV2 AL CA MG FE SI1	L47.49425 -95%	0.00128	0.00605
10 ICV3 AG1	0.00995	0.00038	-0.00003
11 ICSA1	L397.33050	0.00643	0.00071
12 ICSAB1	414.20370	0.05288	0.04682
13 CCB1	0.13539	0.00010	0.00007
14 CCB1	0.02933	0.00009	-0.00000
15 BLK A000867GCP1	0.02178	0.00002	-0.00021
A100348-2	32.84675	0.00239	0.00271
A100348-3	H195.16955	0.00029	0.00098
18 A100348-4	H166.73129	0.00072	0.00803
19 A100348-5	H143.64151	0.00755	0.00688
20 A100348-6	47.25386	0.00242	0.00336
21 A100348-7	H211.89018	0.00076	0.00206

Sample Name	Ca3179	Cd2265	Co2286
22 BLK ADD08/3GCP1	0.08429	0.00010	-0.00023
23 A100441-3 X2 CA MG1	182.99533	-0.00029	0.00198
24 A100441-4 X2	159.33010	-0.00014	0.00090
25 CCB1	0.02892	0.00014	0.00006
26 CCV4	0.01431	H2.62744	H2.62915
27 CCV5	H53.95736	0.00149	0.00075
28 CCB1	0.01495	0.00037	0.00016
29 A100260-2-S0 8711CP1	0.03145	0.00016	0.00003
30 A100260-2-L1 3005	19.59666	0.01067	0.10330
31 A100260-2-L2 AS1	19.62867	0.01055	0.10332
32 A100260-2	56.32727	-0.00031	-0.00021
33 A100260-2-S1	75.16001	0.01032	0.10243
34 A100260-2-S2	75.12612	0.01029	0.10298
35 A100260-6	56.59770	-0.00016	-0.00021
36 A100260-13	52.79840	0.00060	-0.00002
37 A100260-14	53.22540	-0.00020	-0.00006
38 A100260-15	43.81480	-0.00028	-0.00033
39 CCB1	0.01695	0.00003	-0.00009
40 CCV6	0.00934	H2.64459	2.61620
41 CCV7	H53.54072	0.00106	0.00094
42 CCB1	0.00504	0.00023	0.00004
43 A100260-16	41.92835	-0.00039	-0.00009
A100260-17	42.67805	-0.00023	-0.00016
A100260-18	8.56852	-0.00022	0.00124
46 A100260-19	10.15775	0.00006	0.00076
47 A100260-20	42.47970	-0.00034	-0.00030
48 A100260-21	55.18442	-0.00023	-0.00019
49 A100311-25	15.45790	-0.00019	0.00022
50 A100323-1	50.69244	-0.00029	-0.00029
51 A100466-4	55.11873	-0.00016	-0.00042
52 A100465-1	42.72306	-0.00002	-0.00038
53 CCB1	0.01379	0.00010	0.00006
54 CCV8	0.00877	H2.65008	H2.64220
55 CCV9	51.91266	0.00146	0.00061
56 CCB1	0.01427	0.00027	0.00002
57 A100326-1-S0 8851CP1	0.02562	0.00030	0.00008
58 A100326-1-L1 200.2	18.70456	0.01058	0.10341
59 A100326-1-L2	20.53323	0.01055	0.10256
60 A100326-1	2.17690	0.00080	0.00299
61 A100326-1-S1	21.83943	0.01102	0.10487
62 A100326-1-S2	20.37937	0.01100	0.10432
63 A100325-6	H104.45930	0.00537	0.06252
64 A100325-7	57.41283	0.00020	0.02414
65 A100326-2	1.80392	0.00053	0.00167
66 A100326-3	2.12924	0.00052	0.00081
67 CCB1	0.00323	0.00008	-0.00010
68 CCV10	0.00515	H2.65672	H2.63016
69 CCV11	H54.35052	0.00106	0.00070
CCB1	0.01238	0.00017	-0.00009
71 A100326-4	84.53030	0.00128	0.05134
72 A100326-5	H100.22629	0.00194	0.03803
73 A100326-6	H121.35850	0.00504	0.08487
74 A100332-1	13.18521	0.00169	-0.00019
75 A100352-1	29.35396	0.00006	0.00034

Sample Name	Ca3179	Cd2265	Co2286
76 A100352-2	32.67127	0.00050	0.00178
77 A100223-1	98.79154	0.00218	0.01413
78 A100223-2	H342.98736	0.00103	0.00383
79 A100223-3	41.86744	0.00024	0.00197
80 A100223-4	H910.73767	0.18736	0.05448
81 CCB1	0.40192	0.00002	-0.00024
82 CCV12	0.05733	H2.76650	H2.67432
83 CCV13	H55.47262	0.00074	0.00094
84 CCB1	0.01963	0.00026	0.00029
85 A100223-5	H523.09515	0.00399	-0.00030
86 A100223-6	H565.09252	0.01936	0.05395
87 CCB1	0.12171	-0.00001	-0.00039
88 A100546-9-S0 882(CP1	0.05570	0.00007	-0.00028
89 A100546-9-L1 3005	21.90787	0.01142	0.10729
90 A100546-9-L2	22.16577	0.01138	0.10820
91 A100546-9	22.46879	-0.00023	0.00014
92 A100546-9-S1	44.19111	0.01124	0.10829
93 A100546-9-S2	45.19689	0.01122	0.10881
94 A100544-1	55.94649	-0.00021	-0.00008
95 CCB1	0.00985	0.00005	-0.00013
96 CCV14	0.00714	H2.94683	H2.79123
97 CCV15	H59.02235	0.00010	0.00055
98 CCB1	0.00826	0.00012	0.00000
A100546-10	27.66146	-0.00001	0.00010
100 A100546-11	10.92992	-0.00024	-0.00029
101 A100546-9 x5	23.95734	-0.00011	0.00019
102 A100544-1 x5	59.49800	-0.00028	0.00066
103 CCB1	-0.00066	0.00003	0.00003
104 A100547-16-S0 876(C1)	1.45804	-0.01906	-0.07043
105 SLO2 BLK x10 3050	0.24987	-0.01151	-0.04122
106 A100547-16-L1 x10	1134.94335	11.91821	22.17360
107 A100547-16-L2 x10	1118.66784	11.74834	21.74011
108 A100547-16 x10	3316.99121	0.20922	9.39955
109 CCB1	0.00111	-0.00014	0.00002
110 CCV16	0.00394	H2.99109	H2.82049
111 CCV17	H60.03176	0.00007	0.00069
112 CCB1	0.00868	0.00020	-0.00003
113 A100547-16-S1 x10	4312.92285	10.83746	30.40232
114 A100547-16-S2 x10	4481.76953	10.79147	30.36680
115 A100561-1 x10	3668.24853	0.19766	9.75338
116 A100577-1	16.26242	0.00086	0.00616
117 A100577-2	14.63016	0.00077	0.00804
118 A100577-3	9.82075	0.00046	0.00960
119 A100506-1 x10	8513.39550	0.67280	5.26270
120 A100506-2 x10	836.79333	0.04664	0.00585
121 A100506-3 x10	585.84082	0.02639	0.03825
122 A100547-12 x10	11440.08984	3.80438	8.27144
123 CCB1	0.01152	-0.00000	0.00000
124 CCV18	0.00643	H3.02983	H2.84572
125 CCV19	H60.84412	0.00001	0.00082
126 CCB1	0.01078	0.00004	0.00022
127 A100547-13 x10	4987.09863	2.98425	7.69125
128 A100547-14 x10	4139.16210	0.03809	7.84773
129 A100547-15 x10	3973.00097	0.48773	9.65831

Revised

Rev Co

Sample Name	Ca3179	Cd2265	Co2286
130 A100547-21 X10	11557.79980	72.68125	225.80807
131 A100554-2	4671.71386	0.02482	-0.02288
132 CCB1	0.00478	0.00006	0.00015
133 A100287-1-S0 881ICP1	0.63287	-0.00004	-0.00584
134 A100287-1-L1 3010	231.72792	1.21053	2.23457
135 A100287-1-L2 STLC1	234.35748	1.21982	2.25727
136 A100287-1 X10	0.42853	0.00596	0.39980
137 CCB1	-0.00195	0.00006	0.00024
138 CCV20	0.00431	H3.09439	H2.88650
139 CCV21	H60.46130	0.00010	0.00054
140 CCB1	0.01282	0.00021	0.00011
141 A100287-1-S1 X10	222.10009	1.15731	2.30245
142 A100287-1-S2 X10	221.20190	1.16294	2.48455
143 CCB1	0.00617	0.00007	-0.00009
144 CCV22	0.00433	H3.04842	H2.85581
145 CCV23	H61.46545	0.00108	0.00215
146 ICSA1	490.67041	0.00206	0.00094
147 IC SAB1	513.84411	0.05916	0.05393

Rem

Rem

#	Sample Name	Cr2677	Cu3247	Fe2714
	ICB1	0.00001	0.00137	-0.00091
2	CRDL1	0.00486	H0.00644	0.04669
3	CRDL1	0.00491	0.00529	0.04647
4	TJA#1	5.00142	5.03310	0.39747
5	TJA#2	0.00951	0.00077	98.96413
6	TJA#3	0.03811	0.00039	0.75352
7	ICV1	2.57880	2.56826	2.74768
8	ICV1	2.54641	2.52492	2.69123
9	ICV2 AL CA MG FE SI1	0.00497	0.00062	48.15822
10	ICV3 AG1	0.00069	-0.00056	0.02524
11	ICSA1	0.00264	-0.00325	173.84164
12	IC SAB1	0.05057	0.05270	180.96891
13	CCB1	-0.00013	-0.00115	H0.06968
14	CCB1	-0.00008	-0.00116	0.01535
15	BLK A000867GCP1	-0.00033	-0.00043	0.00920
16	A100348-2	0.02281	0.10638	5.44301
17	A100348-3	0.00088	0.01935	0.87819
18	A100348-4	0.03526	0.05594	16.10493
19	A100348-5	0.28445	0.19874	12.26117
20	A100348-6	0.00969	0.15114	3.22365
21	A100348-7	0.00510	0.02113	2.35164
22	BLK A000873GCP1	-0.00008	-0.00025	0.01183
23	A100441-3 X2 CA MG1	0.00132	0.00205	0.76285
24	A100441-4 X2	0.00089	0.00162	0.82501
25	CCB1	-0.00000	0.00017	0.01132
	CCV4	H2.66357	2.39062	0.59455
	CCV5	0.00522	0.00075	H52.51166
28	CCB1	0.00005	0.00019	0.02924
29	A100260-2-S0 871ICP1	-0.00033	0.00142	0.01088
30	A100260-2-L1 3005	0.04232	0.06129	0.98179
31	A100260-2-L2 AS1	0.04226	0.04018	0.97767
32	A100260-2	-0.00019	0.00048	-0.01225

Sample Name	Cr2677	Cu3247	Fe2714
33 A100260-2-S1	0.04195	0.03947	0.95732
34 A100260-2-S2	0.04226	0.04095	0.96209
35 A100260-6	-0.00012	0.00181	-0.00988
36 A100260-13	0.00066	0.00104	-0.01995
37 A100260-14	0.00055	0.00097	-0.01768
38 A100260-15	0.00448	0.00010	-0.01015
39 CCB1	0.00001	-0.00103	0.00119
40 CCV6	H2.65524	2.40156	0.58628
41 CCV7	0.00526	-0.00010	52.16469
42 CCB1	-0.00025	-0.00076	0.00738
43 A100260-16	0.00139	0.00043	-0.00773
44 A100260-17	0.00432	0.00306	-0.01456
45 A100260-18	0.00404	0.00549	3.32956
46 A100260-19	0.00283	0.00354	2.19571
47 A100260-20	0.00159	-0.00046	-0.01319
48 A100260-21	-0.00002	-0.00030	-0.01516
49 A100311-25	0.00701	0.00699	0.01222
50 A100323-1	0.00152	0.00474	-0.01908
51 A100466-4	-0.00010	0.00012	-0.01748
52 A100465-1	0.00150	0.00262	0.00383
53 CCB1	-0.00015	-0.00059	0.00486
54 CCV8	H2.67785	2.38603	0.59186
55 CCV9	0.00513	0.00114	50.76992
CCB1	0.00010	0.00066	0.02536
57 A100326-1-S0 8851CP1	-0.00036	0.00088	0.00869
58 A100326-1-L1 200.2	0.04252	0.03864	0.91645
59 A100326-1-L2	0.04196	0.03874	1.00444
60 A100326-1	0.01059	0.01311	5.28419
61 A100326-1-S1	0.05152	0.05028	6.07946
62 A100326-1-S2	0.05206	0.05050	6.15941
63 A100325-6	0.18413	0.24172	H169.32823
64 A100325-7	0.03149	0.04208	25.78836
65 A100326-2	0.00605	0.00775	3.11885
66 A100326-3	0.00381	0.00678	1.99375
67 CCB1	0.00003	-0.00058	0.02083
68 CCV10	H2.67464	2.39745	0.59120
69 CCV11	0.00521	-0.00049	H52.60305
70 CCB1	0.00003	-0.00126	0.03181
71 A100326-4	0.06458	0.16772	50.69594
72 A100326-5	0.16595	0.10979	H116.64486
73 A100326-6	0.19018	0.24805	H136.36022
74 A100332-1	0.00159	0.01468	0.07397
75 A100352-1	0.00062	0.00864	0.10628
76 A100352-2	0.00976	0.06201	1.59365
77 A100223-1	0.02848	0.15835	6.98052
78 A100223-2	0.01532	0.11814	2.64179
79 A100223-3	0.00845	0.02713	1.58908
80 A100223-4	0.00857	1.29906	7.71194
CCB1	0.00002	-0.00218	0.02707
CCV12	H2.72927	2.38936	0.58798
83 CCV13	0.00522	-0.00177	H53.01654
84 CCB1	0.00027	-0.00257	0.04064
85 A100223-5	0.29598	0.17278	3.82667
86 A100223-6	H5.31823	4.45565	51.76090

Sample Name	Cr2677	Cu3247	Fe2714
87 CCB1	0.00036	-0.00252	0.02451
88 A100546-9-S0 882ICP1	-0.00044	-0.00232	0.02741
89 A100546-9-L1 3005	0.04436	0.03441	1.04688
90 A100546-9-L2	0.04448	0.03463	1.06032
91 A100546-9	0.00596 <i>Rem Cr</i>	-0.00178	0.00753
92 A100546-9-S1	0.05017	0.03502	1.07365
93 A100546-9-S2	0.05071	0.03533	1.06190
94 A100544-1	0.00243	0.00436	-0.01720
95 CCB1	0.00020	-0.00304	0.00457
96 CCV14	H2.83941-114%	L2.31726-DK6010	0.60517
97 CCV15	0.00554	-0.00260	H55.31389
98 CCB1	0.00020	-0.00302	0.02457
99 A100546-10	0.01006	-0.00165	0.01046
100 A100546-11	0.00591	-0.00244	-0.01288
101 A100546-9 x5	0.00631	-0.01311	0.00774
102 A100544-1 x5	0.00062	-0.00854	-0.04901
103 CCB1	-0.00024	-0.00322	0.00147
104 A100547-16-S0 8761CP1	-0.04026	-0.59187	0.13461
105 S102 BLK x10 3050	0.00416	-0.59279	2.19928
106 A100547-16-L1 x10	23.20333 <i>Rem</i>	17.61390	214.82894
107 A100547-16-L2 x10	22.79735	17.27822	213.28892
108 A100547-16 x10	25.01704	20.51280	15900.38476
109 CCB1	0.00009	-0.00306	0.04849
110 CCV16	H2.86501	L2.30494-DK6010	0.63294
111 CCV17	0.00531	-0.00274	H55.95777
112 CCB1	-0.00012	-0.00317	0.03080
113 A100547-16-S1 x10	47.05831	38.35621	17329.61132
114 A100547-16-S2 x10	46.94088	39.72858	17070.41406
115 A100561-1 x10	39.65270	57.92911	H22411.86718
116 A100577-1	0.04243	0.86900 ⁵⁰⁼⁴³ <i>92% of</i>	19.96968
117 A100577-2	0.06394	0.84245 ⁵⁰⁼⁴²	28.25662
118 A100577-3	0.03097	0.44281 ⁵⁰⁼²²	28.52530
119 A100506-1 x10	15.83955	11.35471	8495.67089
120 A100506-2 x10	1.05158	9.25776	337.88800
121 A100506-3 x10	0.74280	6.09932	395.12701
122 A100547-12 x10	25.71227	78.33720	16807.08593
123 CCB1	0.00010	-0.00295	H0.05978
124 CCV18	H2.88549	L2.29737-92% of	0.63574
125 CCV19	0.00577	-0.00243 ⁶⁰¹⁰	H56.31169
126 CCB1	-0.00010	-0.00309	0.03621
127 A100547-13 x10	22.79449	69.64795	14722.47656
128 A100547-14 x10	22.75134	13.45054	12400.16992
129 A100547-15 x10	27.35069	24.65722	15354.15332
130 A100547-21 x10	155.35018	76.47108	9877.63671
131 A100554-2	0.70316	4.05011	244.17291
132 CCB1	0.00001	-0.00306	0.00942
133 A100287-1-S0 8811CP1	0.00714	-0.02174 ✓	0.16539
134 A100287-1-L1 3010	2.33094	1.82832	44.39073
135 A100287-1-L2 S11C1	2.35360 <i>Rem Cr</i>	1.84372	44.64927
136 A100287-1 x10	4.67170	15.32832	82.73667
137 CCB1	0.00020	-0.00276	0.01300
138 CCV20	H2.92257	L2.27597-91% of	0.63851
139 CCV21	0.00534	-0.00232 ⁶⁰¹⁰	H55.98289
140 CCB1	0.00028	-0.00295	0.03619

Sample Name	Cr2677	Cu3247	Fe2714
141 A100287-1-S1 X10	5.20727	6.37389	76.04277
142 A100287-1-S2 X10	6.53015	14.17769	110.85700
143 CCB1	0.00450	-0.00275	0.02271
144 CCV22	H2.88894	L2.29523	0.62522
145 CCV23	0.00680	-0.00139	H56.61950
146 LCSA1	0.01339	-0.00465	198.09985
147 LCSAB1	0.05849	0.04471	207.21463

# Sample Name	Mg2790	Mn2576	Mo2020
1 ICB1	0.00283	-0.00012	0.00278
2 CRD1 1	0.28886	0.00523	H0.00763 <i>-see below</i>
3 CRDL1	0.28749	0.00517	0.00517 <i>OK</i>
4 IJA#1	-0.00821	4.93381	5.06989
5 IJA#2	101.15203	0.00621	0.03128
6 IJA#3	0.02297	0.01931	0.00870
7 ICV1	2.43482	2.54028	2.57829
8 ICV1	2.39669	2.48777	2.53789
9 ICV2 AL CA MG FE S11	47.81237	0.08608	0.02486
10 ICV3 AG1	0.01750	0.00016	0.00762
11 LCSA1	469.82812	0.00861	0.00272
I CSAB1	489.63653	0.05626	0.05017
CCB1	0.13120	-0.00014	0.00318
14 CCB1	0.03182	-0.00016	0.00178
15 BLK A000867GCP1	0.02182	-0.00009	0.00066
16 A100348-2	39.72640	0.50807	0.00235
17 A100348-3	H637.55468	0.15519	0.00579
18 A100348-4	H497.69879	0.58307	0.00380
19 A100348-5	H327.00488	0.36271	0.00598
20 A100348-6	H111.67235	0.25707	0.00204
21 A100348-7	H683.91979	0.49111	0.00547
22 BLK A000873GCP1	0.19601	0.00006	-0.00040
23 A100441-3 X2 CA MG1	121.98947	2.34925	0.00867
24 A100441-4 X2	109.74687	1.98843	0.00928
25 CCB1	0.02739	0.00019	-0.00036
26 CCV4	0.00364	2.61602	2.61011
27 CCV5	52.13652	0.00327	0.02367
28 CCB1	0.01800	0.00001	H0.00607
29 A100260-2-S0 871ICP1	0.00917	0.00015	0.00310
30 A100260-2-L1 3005	19.07074	0.04233	0.09761
31 A100260-2-L2 AS1	19.08853	0.04206	0.10010
32 A100260-2	13.53263	0.16565	0.00654
33 A100260-2-S1	32.79741	0.21069	0.10160
34 A100260-2-S2	32.88073	0.20435	0.10463
35 A100260-6	13.59071	0.28986	0.00541
36 A100260-13	16.30978	0.11172	0.00556
37 A100260-14	16.44501	0.14477	0.00444
A100260-15	12.39959	0.00046	0.00136
39 CCB1	0.00649	-0.00014	0.00003
40 CCV6	-0.00003	2.60368	2.59567
41 CCV7	51.78483	0.00328	0.02305
42 CCB1	0.00832	-0.00009	0.00441
43 A100260-16	12.00178	0.00068	0.00772

Sample Name	Mg2790	Mn2576	Mo2020
44 A100260-17	12.16713	0.00139	0.00263
45 A100260-18	3.65618	0.07577	0.00125
46 A100260-19	3.92140	0.05050	0.00089
47 A100260-20	12.10560	0.12534	0.00585
48 A100260-21	13.30214	0.14520	0.00300
49 A100311-25	6.47115	0.00440	0.01649
50 A100323-1	15.58507	0.00080	0.00327
51 A100466-4	13.24066	0.07920	0.00337
52 A100465-1	12.16640	0.04018	0.00488
53 CCB1	0.00674	-0.00012	-0.00018
54 CCV8	-0.00257	2.62433	2.62362
55 CCV9	50.32509	0.00315	0.02432
56 CCB1	0.01313	-0.00005	H0.00647
57 A100326-1-S0 8851CP1	0.01121	-0.00003	0.00209
58 A100326-1-L1 200.2	18.34589	0.04168	0.08291
59 A100326-1-L2	20.17638	0.04166	0.08876
60 A100326-1	1.90701	0.13238	0.00817
61 A100326-1-S1	21.28842	0.16964	0.08374
62 A100326-1-S2	19.86582	0.17240	0.08890
63 A100325-6	55.26810	2.90386	0.01294
64 A100325-7	16.16485	1.37124	0.00387
65 A100326-2	1.11981	0.08221	0.00186
A100326-3	0.84275	0.05754	0.00157
67 CCB1	0.00307	-0.00005	0.00135
68 CCV10	-0.00397	2.61367	2.62220
69 CCV11	52.48808	0.00329	0.02614
70 CCB1	0.01564	-0.00001	H0.00649
71 A100326-4	24.92946	2.03907	0.00968
72 A100326-5	23.81629	1.56752	0.00195
73 A100326-6	43.20610	2.99702	0.00372
74 A100332-1	19.23492	0.00231	0.00159
75 A100352-1	25.53612	0.12681	0.00833
76 A100352-2	24.67491	0.16275	0.01079
77 A100223-1	31.53952	0.68492	1.49926
78 A100223-2	49.02497	0.15562	0.15310
79 A100223-3	59.91978	0.10160	0.21400
80 A100223-4	46.34562	0.32790	0.08607
81 CCB1	0.01584	0.00005	H0.00862
82 CCV12	-0.00187	H2.64848	H2.66919
83 CCV13	H52.96681	0.00352	0.02028
84 CCB1	0.01932	0.00000	H0.00674
85 A100223-5	9.19582	0.42021	H27.88764
86 A100223-6	66.89190	H28.02971	H19.91269
87 CCB1	0.00946	H0.00544	H0.12077
88 A100546-9-S0 8821CP1	0.01268	0.00045	0.05363
89 A100546-9-L1 3005	20.67084	0.04304	0.12585
90 A100546-9-L2	20.89087	0.04315	0.11852
A100546-9	5.31427	0.17172	0.01880
A100546-9-S1	26.20487	0.21255	0.11575
93 A100546-9-S2	26.53160	0.21826	0.11723
94 A100544-1	16.87374	0.00163	0.01093
95 CCB1	0.00565	-0.00017	0.00456
96 CCV14	-0.00563	H2.73196	H2.73760
97 CCV15	H55.26798	0.00321	0.02446

#	Sample Name	Mg2790	Mn2576	Mo2020
98	CCB1	0.01038	-0.00007	H0.00761
99	A100546-10	1.01194	0.00624	0.01376
100	A100546-11	9.73150	0.00331	0.01023
101	A100546-9 X5	5.62005	0.17890	0.01436
102	A100544-1 X5	17.56794	0.00085	0.01115
103	CCB1	0.00076	-0.00026	0.00023
104	A100547-16-S0 876IC1	0.41523	-0.03488	0.38352
105	S102 BLK X10 3050	0.72458	-0.03493	0.25849 ✓
106	A100547-16-L1 X10	1042.02368	22.26070	16.78795
107	A100547-16-L2 X10	1026.77197	21.93773	18.88805
108	A100547-16 X10	4418.43554	171.81872	1.63160
109	CCB1	0.00690	0.00001	0.00489
110	CCV16	-0.00170	H2.75784	H2.75613 -OK 6000
111	CCV17	H55.94447	0.00328	0.02616
112	CCB1	0.01059	-0.00002	H0.00805
113	A100547-16-S1 X10	6085.25683	216.28436	13.61368 @NOTE, UO
114	A100547-16-S2 X10	5801.75781	209.79772	13.80366
115	A100561-1 X10	6488.54687	606.73718	1.56688
116	A100577-1	7.87419	0.30113	0.00861
117	A100577-2	6.60048	0.32917	0.02072
118	A100577-3	4.73910	0.31358	0.00526
119	A100506-1 X10	6925.06298	243.94384	3.39558
120	A100506-2 X10	276.84915	4.78445	0.60109
121	A100506-3 X10	290.60040	3.37890	0.31647
122	A100547-12 X10	3980.86376	174.40301	1.45487
123	CCB1	0.00745	0.00009	0.00085
124	CCV18	-0.00276	H2.77408	H2.76519 -OK 6000
125	CCV19	H56.48506	0.00339	0.02419
126	CCB1	0.01119	-0.00005	H0.00644
127	A100547-13 X10	3745.84863	125.02223	1.47171
128	A100547-14 X10	4101.35351	137.85238	0.39637
129	A100547-15 X10	4632.23583	193.90338	0.20919
130	A100547-21 X10	2519.88793	375.02709	36.79564
131	A100554-2	3193.51611	8.59811	1.34436
132	CCB1	0.00603	-0.00007	0.00032
133	A100287-1-S0 881ICP1	0.17642	0.00050	0.04210
134	A100287-1-L1 3010	211.89648	2.24626	2.17785
135	A100287-1-L2 S1LC1	214.16430	2.26407	2.21788
136	A100287-1 X10	0.22482	2.21103	1.86943
137	CCB1	0.00212	-0.00013	0.00256
138	CCV20	-0.00274	H2.80369	H2.79053 -OK 6000
139	CCV21	H56.00941	0.00339	0.02330
140	CCB1	0.01467	-0.00002	H0.00641
141	A100287-1-S1 X10	189.91918	3.10320	3.13634
142	A100287-1-S2 X10	188.98156	3.97371	3.58140
143	CCB1	0.00573	0.00027	0.00383
144	CCV22	-0.00241	H2.77873	H2.76844 -OK 6000
145	CCV23	H56.63265	0.00447	0.03999
146	ICSA1	541.77966	0.01211	0.00943
147	ICSA1	567.25952	H0.06322	0.05453

Sample Name	Ni2316	Pb2203	Sb2068
1 ICB1	-0.00003	0.00021	0.00130
2 CRD11	0.00449	0.00319	0.00875 ✓
3 CRDL1	0.00482	0.00296	H0.01476
4 TJA#1	4.96103	5.05591	5.06519
5 TJA#2	0.00724	0.00132	0.00888
6 TJA#3	0.09418	0.00018	0.00162
7 IGV1	2.55906	2.55988	2.55262 ✓
8 IGV1	2.49211	2.54076	L2.37453
9 IGV2 AL CA MG FE SI1	0.01117	0.00116	0.05538
10 IGV3 AG1	-0.00037	0.00137	0.01397
11 ICSA1	0.00127	0.00211	0.00768
12 ICSAB1	0.04713	0.04868	0.05640
13 CCB1	-0.00069	0.00011	0.00242
14 CCB1	-0.00043	0.00001	0.00485
15 BLK A00086/GCP1	-0.00053 ✓	-0.00030	-0.00121
16 A100348-2	0.01316	0.03708	0.00868
17 A100348-3	0.00623	0.00662	0.00632
18 A100348-4	0.03793	3.57767	0.00554
19 A100348-5	0.04608	0.25952	0.00434
20 A100348-6	0.01817	0.06826	0.01280
21 A100348-7	0.00892	0.00722	0.00708
BLK A00087/3GCP1	-0.00053	0.00123 ✓	0.00029
A100441-3 X2 CA MG1	0.00967	0.00202	-0.00199
24 A100441-4 X2	0.00853	0.00129	0.00107
25 CCB1	-0.00006	0.00089	0.00194
26 CCV4	2.54254 ✓	2.61998	2.51867
27 CCV5	0.00341	0.00065	0.00506
28 CCB1	0.00026	0.00099	0.00467
29 A100260-2-S0 8711GCP1	0.00008	0.00072	0.00145
30 A100260-2-L1 3005	0.13504	0.10483	0.00486
31 A100260-2-L2 AS1	0.10034	0.10383	0.00169
32 A100260-2	0.00077	-0.00013	0.00069
33 A100260-2-S1	0.09929	0.10319	0.00419
34 A100260-2-S2	0.10149	0.10409	0.00323
35 A100260-6	0.00105	0.00062	0.00348
36 A100260-13	0.00202	0.00004	0.00177
37 A100260-14	0.00128	0.00091	0.00137
38 A100260-15	0.00070	0.00038	0.00387
39 CCB1	-0.00036	-0.00007	0.00376
40 CCV6	2.60222	H2.62783	2.52199
41 CCV7	0.00359	0.00148	0.00674
42 CCB1	-0.00004	0.00070	0.00207
43 A100260-16	0.00095	0.00003	0.00062
44 A100260-17	0.00149	0.00007	0.00257
45 A100260-18	0.00380	0.00233	-0.00032
46 A100260-19	0.00275	0.00073	-0.00169
47 A100260-20	0.00053	0.00104	0.00439
A100260-21	0.00093	0.00034	0.00386
A100311-25	0.00370	0.00112	0.00220
50 A100323-1	0.00017	0.00066	0.00174
51 A100466-4	0.00038	-0.00033	0.00218
52 A100465-1	0.00116	0.00026	0.00180
53 CCB1	-0.00040	-0.00064	-0.00066

Sample Name	Ni2316	Pb2203	Sb2068
54 CCV8	2.55141	H2.64657	2.53667
55 CCV9	0.00364	0.00165	0.00123
56 CCB1	0.00003	-0.00038	0.00088
57 A100326-1-S0 885ICP1	-0.00021	-0.00041	0.00020
58 A100326-1-L1 200.2	0.09537	0.10260	0.10054
59 A100326-1-L2	0.09588	0.10398	0.09988
60 A100326-1	0.01364	0.24224	0.00857
61 A100326-1-S1	0.10758	0.33798	0.09957
62 A100326-1-S2	0.10757	0.34163	0.09984
63 A100325-6	0.13249	2.45600	0.00383
64 A100325-7	0.04265	0.02266	0.00149
65 A100326-2	0.00786	0.09580	0.00162
66 A100326-3	0.00443	0.06861	0.00427
67 CCB1	-0.00067	0.00024	0.00309
68 CCV10	2.57072	H2.63644	2.53736
69 CCV11	0.00361	0.00188	0.00611
70 CCB1	-0.00062	-0.00044	0.00202
71 A100326-4	0.07406	4.95441	0.03033
72 A100326-5	0.14569	0.12955	0.00445
73 A100326-6	0.17953	0.60473	0.00199
74 A100332-1	0.00096	0.00154	0.00095
75 A100352-1	0.00421	0.00175	0.00130
76 A100352-2	0.01270	0.00920	0.00288
A100223-1	0.05142	0.06582	0.02355
78 A100223-2	0.06254	0.00747	0.01538
79 A100223-3	0.04260	0.00573	0.00186
80 A100223-4	0.01757	0.01106	0.00027
81 CCB1	-0.00068	0.00038	0.00071
82 CCV12	H2.72636	H2.71760	2.52822
83 CCV13	0.00250	0.00095	0.00134
84 CCB1	-0.00027	0.00067	0.00415
85 A100223-5	0.23173	L-0.00950	0.28464
86 A100223-6	3.67589	0.49524	0.52851
87 CCB1	-0.00061	-0.00009	-0.00202
88 A100546-9-S0 882ICP1	-0.00090	-0.00018	0.00490
89 A100546-9-L1 3005	0.10918	0.11031	-0.00034
90 A100546-9-L2	0.10957	0.11141	0.00125
91 A100546-9	0.00061	-0.00006	0.00182
92 A100546-9-S1	0.10938	0.11164	0.00072
93 A100546-9-S2	0.11025	0.11228	0.00428
94 A100544-1	0.00085	0.00171	0.00258
95 CCB1	-0.00058	-0.00001	-0.00202
96 CCV14	H2.88086	H2.86771	2.53014
97 CCV15	0.00350	0.00088	0.00282
98 CCB1	-0.00075	-0.00057	-0.00156
99 A100546-10	0.00093	0.00048	0.00202
100 A100546-11	0.00047	0.00169	0.00060
101 A100546-9 X5	0.00125	0.00280	0.01300
102 A100544-1 X5	0.00012	0.00493	-0.00059
103 CCB1	-0.00073	0.00038	0.00159
104 A100547-16-S0 876IC1	-0.04007	0.24445	-0.15770
105 S102 BLK X10 3050	-0.06762	0.18432	0.62062
106 A100547-16-L1 X10	22.61453	114.66530	19.64907
107 A100547-16-L2 X10	22.33358	113.26049	19.00160

Run Pb

Renew Ni

Renew Pb

Sample Name	Ni2316	Pb2203	Sb2068
108 A100547-16 X10	18.35270	339.79077	0.51936
109 CCB1	-0.00056	0.00098	0.00461
110 CCV16	H2.92443	H2.90305	2.54131
111 CCV17	0.00375	0.00160	0.00003
112 CCB1	-0.00066	0.00166	0.00368
113 A100547-16-S1 X10	40.42797	537.85296	3.36246
114 A100547-16-S2 X10	41.03143	531.19818	3.45772
115 A100561-1 X10	60.47846	8.83400	-0.26923
116 A100577-1	0.09298	0.12195	0.00938
117 A100577-2	0.19586	0.19499	0.00943
118 A100577-3	0.05944	0.05457	0.00602
119 A100506-1 X10	13.85906	14.52542	-0.16217
120 A100506-2 X10	0.57411	0.74828	-0.02061
121 A100506-3 X10	0.39848	0.85257	0.49654
122 A100547-12 X10	17.90167	495.33306	1.05952
123 CCB1	-0.00053	0.00198	0.00150
124 CCV18	H2.97281	H2.93271	2.53790
125 CCV19	0.00377	0.00111	0.00315
126 CCB1	-0.00047	-0.00009	0.00177
127 A100547-13 X10	16.79567	H13835.89062	371.12509
128 A100547-14 X10	15.69576	141.56604	0.01879
129 A100547-15 X10	19.17053	173.82150	-0.55436
A100547-21 X10	80.82864	134.07678	9.35367
A100554-2	0.59673	2.54558	1.47865
132 CCB1	-0.00082	0.00219	0.00044
133 A100287-1-S0 881ICP1	0.05380	0.02175	-0.03875
134 A100287-1-L1 3010	2.29935	11.61010	9.31984
135 A100287-1-L2 SILG1	2.33317	11.71085	9.20766
136 A100287-1 X10	835.28735	0.17820	-0.36597
137 CCB1	H0.01851	0.00087	-0.00002
138 CCV20	H3.03675	H2.99533	2.53711
139 CCV21	0.00472	0.00084	0.00258
140 CCB1	-0.00003	0.00071	0.00126
141 A100287-1-S1 X10	340.77630	10.76655	8.60743
142 A100287-1-S2 X10	676.33911	10.94151	8.70086
143 CCB1	H0.03009	0.00118	-0.00243
144 CCV22	H3.01096	H2.94050	2.52701
145 CCV23	0.00648	0.00274	0.00583
146 IC5A1	0.03660	-0.00231	-0.00361
147 IC5AB1	0.05755	0.05530	0.05213

NOTE LOW

Ren

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#	Sample Name	Se1960	Si2881	Tl1908
1	ICB1	0.00104	0.08768	-0.00403
2	CRDL1	0.00830	1.10044	0.00913
3	CRDL1	H0.01232	1.10055	L0.00633
4	IJA#1	5.10185	0.45953	5.08050
	IJA#2	0.03981	169.91992	-0.01319
5	IJA#3	0.00645	0.08903	-0.00196
7	ICV1	2.59714	27.96244	2.55534
8	ICV1	2.54827	27.54814	2.52623
9	ICV2 AL CA MG FE SI1	0.02664	83.67454	-0.00154
10	ICV3 AG1	0.00740	0.05534	0.00010

Sample Name	Se1960	Si2881	Ti1908
11 IC5A1	0.00716	0.04682	-0.00904
12 IC5A1	0.04607	0.59918	10.03712
13 CCB1	0.00429	0.07389	-0.00386
14 CCB1	0.00084	0.06016	-0.00625
15 BLK A000867GCP1	0.00242	0.03090	-0.00372
16 A100348-2	0.00317	17.29979	0.00165
17 A100348-3	0.00058	13.48514	-0.00143
18 A100348-4	0.00114	54.67544	-0.00124
19 A100348-5	0.00097	45.83907	0.00098
20 A100348-6	0.00266	11.45086	-0.00137
21 A100348-7	0.00175	20.75397	-0.00094
22 BLK A000873GCP1	-0.00095	0.14696	-0.00282
23 A100441-3 X2 CA MGI	-0.00432	35.40543	0.00266
24 A100441-4 X2	-0.00089	34.15291	0.00534
25 CCB1	-0.00274	0.00531	-0.00013
26 CCV4	2.51041	0.23407	2.56729
27 CCV5	0.03282	86.96208	-0.00747
28 CCB1	0.00566	0.04339	-0.00096
29 A100260-2-S0 8711CP1	0.00185	0.02616	-0.00474
30 A100260-2-L1 3005	0.09285	0.17727	0.09934
31 A100260-2-L2 AS1	0.09805	0.16689	0.09737
32 A100260-2	0.00592	48.98393	-0.00205
33 A100260-2-S1	0.09636	49.21976	0.09365
A100260-2-S2	0.10192	49.01097	0.09456
34 A100260-6	0.00822	48.59887	-0.00160
36 A100260-13	0.00541	51.71095	-0.00436
37 A100260-14	0.00363	52.13000	-0.00219
38 A100260-15	0.00181	52.41323	-0.00108
39 CCB1	0.00192	0.02422	-0.00233
40 CCV6	2.52576	0.24086	2.55243
41 CCV7	0.02760	86.96473	-0.00711
42 CCB1	0.00259	0.02914	-0.00255
43 A100260-16	0.00465	47.07051	-0.00448
44 A100260-17	0.00141	51.62114	-0.00485
45 A100260-18	0.00126	28.75914	-0.00390
46 A100260-19	0.00029	23.58394	-0.00463
47 A100260-20	0.00380	46.98495	-0.00107
48 A100260-21	-0.00060	48.40431	-0.00334
49 A100311-25	0.00484	48.04170	-0.00237
50 A100323-1	0.00149	52.05241	-0.00039
51 A100466-4	0.00200	47.96784	-0.00023
52 A100465-1	0.00147	46.77498	-0.00216
53 CCB1	-0.00019	0.07255	-0.00074
54 CCV8	2.53455	0.27002	2.58060
55 CCV9	0.03307	83.68299	-0.00617
56 CCB1	0.00363	0.06171	-0.00178
57 A100326-1-S0 8851CP1	0.00188	0.04589	-0.00151
58 A100326-1-L1 200.2	0.08581	0.10737	0.09544
A100326-1-L2	0.08738	0.09845	0.09531
A100326-1	0.00430	14.67987	-0.00018
61 A100326-1-S1	0.08428	13.89876	0.09392
62 A100326-1-S2	0.08923	14.58594	0.09816
63 A100325-6	0.01488	167.53497	-0.00830
64 A100325-7	0.00569	94.80222	0.00184

Sample Name	Se1960	Si2881	Ti1908
65 A100326-2	0.00242	9.43133	0.00049
66 A100326-3	0.00053	6.42784	-0.00216
67 CCB1	-0.00023	0.03873	-0.00575
68 CCV10	2.53668	0.31819	2.56569
69 CCV11	0.03326	88.22540	-0.00332
70 CCB1	0.00679	0.07710	-0.00263
71 A100326-4	0.00586	132.78869	-0.00285
72 A100326-5	0.00596	147.71942	-0.00865
73 A100326-6	0.00751	120.01087	-0.00080
74 A100332-1	0.00056	13.19126	-0.00036
75 A100352-1	0.00058	10.79459	-0.00013
76 A100352-2	-0.00018	14.38183	0.00083
77 A100223-1	0.01781	60.62103	0.00083
78 A100223-2	0.03771	31.74304	0.00303
79 A100223-3	0.17790	34.03656	0.00302
80 A100223-4	0.01206	40.23113	0.00063
81 CCB1	-0.00039	0.01917	-0.00063
82 CCV12	2.56372	0.28699	2.62327
83 CCV13	0.03137	88.78648	-0.00233
84 CCB1	0.00666	0.08079	-0.00334
85 A100223-5	0.35439	22.19091	L-0.06268
86 A100223-6	H7.05462	75.44146	L-0.01246
87 CCB1	H0.04871	0.03122	-0.00059
A100546-9-S0 8821CP1	0.01760	0.00408	-0.00425
89 A100546-9-L1 3005	0.10134	0.07317	0.09815
90 A100546-9-L2	0.10326	0.06282	0.10133
91 A100546-9	0.00770	40.84617	-0.00019
92 A100546-9-S1	0.10127	40.71609	0.10150
93 A100546-9-S2	0.10550	41.96750	0.10274
94 A100544-1	0.00744	53.46342	-0.00071
95 CCB1	0.00087	0.06506	-0.00171
96 CCV14	2.62390	0.27270	H2.69874 -OF GOLD
97 CCV15	0.03317	89.09161	-0.00149
98 CCB1	0.00503	0.03430	-0.00134
99 A100546-10	0.00447	22.01564	-0.00088
100 A100546-11	0.00419	41.87930	-0.00013
101 A100546-9 X5	-0.00234	42.99492	0.00034
102 A100544-1 X5	-0.00744	54.91913	-0.00907
103 CCB1	0.00031	0.03860	-0.00136
A100547-16-S0 8701CP1	-0.00765 ✓	1.27287	-0.12279
105 S102 BLK X10 3050	0.16036	16.15860	-0.19478
106 A100547-16-L1 X10	20.83875	76.89758	102.55816
107 A100547-16-L2 X10	20.43115	74.90962	102.31932
108 A100547-16 X10	1.70429	114.11062	0.30252
109 CCB1	0.00035	-0.03157	-0.00209
110 CCV16	H2.63657 -OK60ls	0.22221	H2.69734 -OK 6010
111 CCV17	0.03416	89.12200	-0.00392
112 CCB1	0.00568	0.01839	-0.00161
113 A100547-16-S1 X10	18.33496	399.80783	91.53382
114 A100547-16-S2 X10	18.01236	449.28955	92.16249
115 A100561-1 X10	3.07959	173.85934	0.79069
116 A100577-1	0.00676	11.83066	L-0.01012
117 A100577-2	0.01028	7.64559	L-0.01710
118 A100577-3	0.01020	8.43420	L-0.01200

Sample Name	Se1960	Si2881	Fl1908
119 A100506-1 X10	2.01361	225.08401	-1.25727
120 A100506-2 X10	0.09182	168.40550	-0.60479
121 A100506-3 X10	0.36240	149.32801	-0.17244
122 A100547-12 X10	1.45616	244.29090	-0.87026
123 CCB1	-0.00094	-0.03873	0.00211
124 CCV18	H2.64707 <i>-OK 6010</i>	0.20157	H2.72889 <i>-OK 6010</i>
125 CCV19	0.03747	89.08399	-0.00324
126 CCB1	0.00739	0.00093	-0.00390
127 A100547-13 X10	1.70276	168.11550	0.31335
128 A100547-14 X10	1.07597	250.87953	-0.15946
129 A100547-15 X10	1.31509	136.91198	-0.76451
130 A100547-21 X10	147.28369	153.72763	82.81470
131 A100554-2	1.18698	378.80621	-1.06464
132 CCB1	-0.00028	0.01166	-0.00144
133 A100287-1-S0-887FCP1	0.07152 ✓	0.41773	-0.10443 ✓
134 A100287-1-L1 3010	1.92496	4.71824	10.31035
135 A100287-1-L2 STLC1	1.98345	4.75403	10.51093
136 A100287-1 X10	0.58804	11.92273	-0.32393
137 CCB1	0.00519	-0.02993	-0.00206
138 CCV20	H2.69902 <i>-OK 6010</i>	0.17751	H2.75597 <i>-OK 6010</i>
139 CCV21	0.03420	88.65294	-0.00163
140 CCB1	0.00796	0.00373	0.00001
141 A100287-1-S1 X10	2.83949	9.88612	4.83502 <i>NOTE LOW</i>
142 A100287-1-S2 X10	2.89154	13.98342	5.21164
143 CCB1	H0.01297	-0.02147	0.00112
144 CCV22	H2.71476 <i>-OK 6010</i>	0.17324	H2.73235 <i>-OK 6010</i>
145 CCV23	0.06397	188.62387	-0.00253
146 ICSA1	0.02148	0.09333	-0.00366
147 ICSAB1	H0.06274	0.57423	0.04377

#	Sample Name	V_2924	Zn2062	2203/1
1	ICB1	0.00043	-0.00005	0.00124
2	CRDL1	0.00206	0.01918	0.00574
3	CRDL1	0.00207	0.01920	0.00370
4	IJA#1	5.00851	5.02559	5.04103
5	IJA#2	0.00220	0.00502	0.03436
6	IJA#3	0.00077	0.00414	0.00228
7	ICV1	2.56645	2.52931	2.53938
8	ICV1	2.51602	2.49285	2.53178
9	ICV2 AL CA MG FE SI1	0.00225	0.00830	0.01752
10	ICV3 AG1	0.00043	0.00232	0.00183
11	ICSA1	-0.00297	0.00776	0.15322
12	ICSAB1	0.04468	0.05149	0.20514
13	CCB1	0.00026	0.00001	0.00101
14	CCB1	0.00001	-0.00026	0.00061
15	BLK A000867GCP1	0.00012	0.00446	0.00129
	A100348-2	0.01128	0.32244	0.03861
	A100348-3	0.00590	0.21894	0.00354
18	A100348-4	0.03587	0.09086	3.59156
19	A100348-5	0.03150	0.34146	0.25959
20	A100348-6	0.00924	1.61512	0.06643
21	A100348-7	0.00923	0.17443	0.00405

Sample Name	V_2924	Zn2062	2203/1
22 BLK A000873GCP1	0.00008	0.00699	0.00227
23 A100441-3 X2 CA MG1	0.00329	0.01977	0.00474
24 A100441-4 X2	0.00330	0.01779	0.00374
25 CCB1	-0.00010	0.00019	0.00012
26 CCV4	2.56111	H2.82157	2.62524
27 CCV5	0.00197	0.00231	0.01967
28 CCB1	0.00048	0.00033	0.00005
29 A100260-2-S0 871ICP1	0.00023	0.00422	0.00047
30 A100260-2-L1 3005	0.04099	0.13202	0.10573
31 A100260-2-L2 AS1	0.04105	0.11929	0.10537
32 A100260-2	0.02960	0.00422	0.00047
33 A100260-2-S1	0.07053	0.11512	0.10391
34 A100260-2-S2	0.07036	0.11680	0.10596
35 A100260-6	0.03027	0.00500	0.00134
36 A100260-13	0.03718	0.00712	-0.00155
37 A100260-14	0.03778	0.00699	0.00035
38 A100260-15	0.04673	0.00449	0.00132
39 CCB1	-0.00007	0.00036	-0.00015
40 CCV6	2.55867	H2.81151	2.59574
41 CCV7	0.00228	0.00270	0.02008
42 CCB1	0.00004	0.00022	0.00091
43 A100260-16	0.03504	0.00754	0.00141
44 A100260-17	0.04624	0.00887	0.00197
45 A100260-18	0.01031	0.01668	0.00656
46 A100260-19	0.00871	0.01825	0.00239
47 A100260-20	0.03545	0.00463	0.00274
48 A100260-21	0.02925	0.00449	0.00039
49 A100311-25	0.16906	0.01597	0.00171
50 A100323-1	0.03884	0.00570	0.00140
51 A100466-4	0.02875	0.00450	0.00134
52 A100465-1	0.03504	0.00942	0.00258
53 CCB1	0.00016	-0.00011	-0.00044
54 CCV8	2.56538	H2.85794	2.63551
55 CCV9	0.00217	0.00252	0.01876
56 CCB1	0.00013	0.00063	0.00021
57 A100326-1-S0 885ICP1	-0.00006	0.00287	0.00027
58 A100326-1-L1 200.2	0.04093	0.11399	0.10616
59 A100326-1-L2	0.04083	0.11523	0.10350
60 A100326-1	0.01380	0.09139	0.24248
61 A100326-1-S1	0.05326	0.19881	0.34035
62 A100326-1-S2	0.05344	0.20313	0.34461
63 A100325-6	0.34197	0.57851	2.50026
64 A100325-7	0.08680	0.27193	0.03134
65 A100326-2	0.00832	0.17086	0.09721
66 A100326-3	0.00537	0.08327	0.07039
67 CCB1	0.00016	0.00065	-0.00020
68 CCV10	2.56556	H2.85074	2.61237
69 CCV11	0.00225	0.00286	0.01990
70 CCB1	0.00020	0.00008	-0.00056
71 A100326-4	0.16720	0.38968	4.89265
72 A100326-5	0.33327	0.29397	0.15729
73 A100326-6	0.27622	1.86097	0.62098
74 A100332-1	0.00217	0.01801	0.00297
75 A100352-1	0.00109	0.03381	0.00421

*Rem
Zn*

Sample Name	V_2924	Zn2062	2203/1
75 A100352-2	0.00224	0.16422	0.01048
77 A100223-1	0.05764	0.72444	0.07118
78 A100223-2	0.01718	0.50315	0.01031
79 A100223-3	0.02068	0.09343	0.01048
80 A100223-4	0.01872	0.32591	0.01897
81 CCB1	0.00020	0.00017	0.00114
82 CCV12	2.60142	H2.96844	2.65893
83 CCV13	0.00213	0.00271	0.01929
84 CCB1	0.00020	0.00008	-0.00055
85 A100223-5	0.00925	0.06114	0.00555
86 A100223-6	0.02598	4.91001	0.51570
87 CCB1	-0.00035	0.00063	-0.00019
88 A100546-9-S0 8821CP1	0.00004	0.00672	0.00178
89 A100546-9-L1 3005	0.04198	0.14048	0.10980
90 A100546-9-L2	0.04205	0.13405	0.11103
91 A100546-9	0.01628	0.01186	0.00112
92 A100546-9-S1	0.05779	0.13042	0.11035
93 A100546-9-S2	0.05825	0.14142	0.11078
94 A100544-1	0.04149	0.01491	0.00225
95 CCB1	0.00017	-0.00008	0.00241
96 CCV14	H2.65520 <i>ok 6010</i>	H3.25679	2.79767
97 CCV15	0.00238	0.00303	0.02250
98 CCB1	0.00014	0.00013	0.00109
A100546-10	0.01669	0.04273	0.00286
A100546-11	0.02804	0.01491	0.00217
A100546-9 x5	0.01843	0.02286	0.01133
A100544-1 x5	0.04217	0.02045	0.01235
CCB1	0.00014	0.00026	0.00285
A100547-16-S0 8761C1	0.01499 ✓	0.21608	0.82145
S102 BLK x10 3050	-0.02846	0.20333	0.25671
A100547-16-L1 x10	21.52420	129.75144 <i>Rem Zn</i>	111.27593
A100547-16-L2 x10	21.17397	127.98825	109.23708
A100547-16 x10	31.25453	67.42781	332.30297
CCB1	0.00019	0.00005	0.00142
CCV16	H2.66864 <i>ok 6010</i>	H3.31820	2.82926
CCV17	0.00280	0.00277	0.02315
CCB1	-0.00002	0.00029	0.00165
A100547-16-S1 x10	54.32386	188.85952	515.64526
A100547-16-S2 x10	53.74089	187.03739	514.42944
A100561-1 x10	54.25910	91.24847	45.69022
A100577-1	0.03908	1.66461	0.12512
A100577-2	0.02666	1.02933	0.19657
A100577-3	0.02499	0.60953	0.05855
A100506-1 x10	18.28897	208.36968	16.46758
A100506-2 x10	0.83547	17.55428	1.46713
A100506-3 x10	0.95152	15.94682	1.28891
A100547-12 x10	29.15238	389.25177	482.89807
CCB1	0.00030	0.00108	0.00230
CCV18	H2.68086 <i>ok 6010</i>	H3.36082	2.86426
CCV19	0.00310	0.00384	0.02488
CCB1	0.00011	0.00056	0.00104
A100547-13 x10	27.49325	363.23968	13323.68945
A100547-14 x10	27.48105	46.86116	138.39062
A100547-15 x10	33.29287	86.98554	173.08689

Sample Name	V_2924	Zn2062	2203/1
130 A100547-21 x10	164.17782	325.64447	133.09286
131 A100554-2	1.66653	17.86914	4.31987
132 CCB1	0.00028	0.00101	0.00422
133 A100287-1-S0 8811CP1	-0.00027 ✓	0.04984	0.05322
134 A100287-1-L1 3010	2.17049	13.27487	11.33604
135 A100287-1-L2 STLC1	2.19282	13.40891	11.49067
136 A100287-1 x10	0.16901	0.38101	0.36318
137 CCB1	0.00007	0.00051	0.00289
138 CCV20	H2.69798 -ok 6010	H3.45860	2.93476
139 CCV21	0.00283	0.00278	0.02420
140 CCB1	0.00024	0.00059	0.00160
141 A100287-1-S1 x10	2.19355	12.67014	10.66550
142 A100287-1-S2 x10	2.27571	13.00182	10.90246
143 CCB1	-0.00009	0.00086	0.00278
144 CCV22	H2.68373 -ok 6010	H3.37138	2.87817
145 CCV23	0.00432	0.00457	0.02346
146 ICSA1	0.00248	0.01038	0.21386
147 IC SAB1	0.05494	H0.07005	0.28040

#	Sample Name	2203/2	1960/1	1960/2
	ICB1	-0.00063	0.00295	-0.00020
	CRDL1	0.00166	0.01315	0.00557
3	CRDL1	0.00233	0.01193	0.01222
4	IJA#1	5.06305	5.07726	5.11389
5	IJA#2	-0.01547	0.05058	0.03409
6	IJA#3	-0.00116	0.00815	0.00532
7	ICV1	2.56982	2.58510	2.60286
8	ICV1	2.54498	2.53053	2.55685
9	ICV2 AL CA MG FE SI1	-0.00730	0.02962	0.02482
10	ICV3 AG1	0.00081	0.01015	0.00573
11	ICSA1	-0.07370	0.03550	-0.00727
12	IC SAB1	-0.02984	0.07652	0.03056
13	CCB1	-0.00066	0.00587	0.00321
14	CCB1	-0.00060	0.00178	0.00008
15	BLK A000867GCP1	-0.00143	0.00313	0.00176
16	A100348-2	0.03604	0.00522	0.00184
17	A100348-3	0.00783	0.00138	-0.00018
18	A100348-4	3.57033	0.00698	-0.00216
19	A100348-5	0.25917	0.00377	-0.00075
20	A100348-6	0.06887	0.00464	0.00133
21	A100348-7	0.00844	0.00281	0.00086
22	BLK A000873GCP1	0.00047	0.00393	-0.00370
23	A100441-3 X2 CA MG1	0.00012	0.00948	-0.01183
24	A100441-4 x2	-0.00046	0.00531	-0.00460
25	CCB1	0.00102	0.00244	-0.00562
26	CCV4	2.61702	2.48211	2.52426
27	CCV5	-0.00914	0.03610	0.03085
28	CCB1	0.00120	0.00565	0.00537
29	A100260-2-S0 8711CP1	0.00060	0.00429	0.00035
30	A100260-2-L1 3005	0.10405	0.09480	0.09159
31	A100260-2-L2 AS1	0.10275	0.10318	0.09519
32	A100260-2	-0.00070	0.00632	0.00541

#	Sample Name	2203/2	1960/1	1960/2
33	A100260-2-S1	0.10250	0.09617	0.09611
34	A100260-2-S2	0.10283	0.10384	0.10067
35	A100260-6	0.00000	0.00761	0.00824
36	A100260-13	0.00058	0.00751	0.00405
37	A100260-14	0.00094	0.00636	0.00197
38	A100260-15	-0.00033	0.00442	0.00020
39	CCB1	-0.00029	0.00522	-0.00003
40	CCV6	2.64358	2.48511	2.54579
41	CCV7	-0.00807	0.03220	0.02497
42	CCB1	0.00034	0.00789	-0.00035
43	A100260-16	-0.00090	0.00809	0.00262
44	A100260-17	-0.00114	0.00360	0.00003
45	A100260-18	-0.00004	0.00402	-0.00040
46	A100260-19	-0.00035	-0.00137	0.00084
47	A100260-20	-0.00006	0.00511	0.00285
48	A100260-21	0.00005	0.00207	-0.00223
49	A100311-25	0.00056	0.00658	0.00367
50	A100323-1	0.00002	0.00474	-0.00042
51	A100466-4	-0.00142	0.00550	-0.00003
52	A100465-1	-0.00115	0.00327	0.00027
53	CCB1	-0.00100	0.00144	-0.00130
54	CCV8	2.65182	2.49628	2.55339
55	CCV9	-0.00718	0.03367	0.03244
56	CCB1	-0.00093	0.00442	0.00295
57	A100326-1-S0 8851CP1	-0.00104	0.00264	0.00122
58	A100326-1-L1 200.2	0.10049	0.09301	0.08189
59	A100326-1-L2	0.10391	0.09330	0.08410
60	A100326-1	0.24183	0.00416	0.00408
61	A100326-1-S1	0.33651	0.08562	0.08329
62	A100326-1-S2	0.33989	0.09449	0.08628
63	A100325-6	2.43361	0.03970	0.00224
64	A100325-7	0.01804	0.01278	0.00184
65	A100326-2	0.09481	0.00390	0.00139
66	A100326-3	0.06747	0.00411	-0.00154
67	CCB1	0.00021	0.00134	-0.00131
68	CCV10	2.64820	2.49758	2.55593
69	CCV11	-0.00738	0.03593	0.03159
70	CCB1	-0.00064	0.00962	0.00508
71	A100326-4	4.98505	0.01138	0.00280
72	A100326-5	0.11540	0.02197	-0.00223
73	A100326-6	0.59632	0.02646	-0.00215
74	A100332-1	0.00057	0.00380	-0.00134
75	A100352-1	0.00025	0.00493	-0.00190
76	A100352-2	0.00826	0.00521	-0.00317
77	A100223-1	0.06286	0.02670	0.01303
78	A100223-2	0.00571	0.04329	0.03457
79	A100223-3	0.00309	0.18197	0.17557
80	A100223-4	0.00678	0.01998	0.00777
81	CCB1	-0.00025	0.00642	-0.00409
82	CCV12	2.74662	2.50713	2.59169
83	CCV13	-0.00850	0.03534	0.02905
84	CCB1	0.00103	0.00853	0.00544
85	A100223-5	-0.01733	0.35715	0.35268
86	A100223-6	0.48467	7.01155	7.07580

Sample Name	2203/2	1960/1	1960/2
87 CCB1	-0.00029	0.04488	0.05033
88 A100546-9-S0 8821CP1	-0.00144	0.01803	0.01709
89 A100546-9-L1 3005	0.11030	0.10453	0.09944
90 A100546-9-L2	0.11134	0.10454	0.10232
91 A100546-9	-0.00093	0.00858	0.00695
92 A100546-9-S1	0.11202	0.10372	0.09974
93 A100546-9-S2	0.11275	0.10583	0.10503
94 A100544-1	0.00116	0.00966	0.00603
95 CCB1	-0.00148	0.00413	-0.00106
96 CCV14	2.90247	2.55327	2.65896
97 CCV15	-0.01020	0.04055	0.02917
98 CCB1	-0.00164	0.00848	0.00301
99 A100546-10	-0.00096	0.00854	0.00213
100 A100546-11	0.00119	0.00863	0.00167
101 A100546-9 X5	-0.00283	0.04148	-0.02579
102 A100544-1 X5	-0.00016	0.03390	-0.02965
103 CCB1	-0.00109	0.00864	-0.00416
104 A100547-16-S0 8761CP1	-0.09337	0.96104	-0.55365
105 S102 BLK x10 3050	0.09576	1.14129	-0.39163
106 A100547-16-L1 x10	116.30409	21.73890	20.33929
107 A100547-16-L2 x10	115.21624	20.65185	20.27136
108 A100547-16 x10	343.48788	4.23779	0.37995
109 CCB1	0.00051	0.00357	-0.00156
110 CCV16	2.93968	2.57495	2.66712
111 CCV17	-0.00944	0.03673	0.03257
112 CCB1	0.00140	0.00992	0.00326
113 A100547-16-S1 x10	548.90881	19.32621	17.79889
114 A100547-16-S2 x10	539.53210	20.20716	16.87174
115 A100561-1 x10	-9.63998	5.93705	1.60529
116 A100577-1	0.12005	-0.00027	0.00996
117 A100577-2	0.19392	0.00284	0.01369
118 A100577-3	0.05227	0.00037	0.01481
119 A100506-1 x10	13.50164	3.83607	1.04380
120 A100506-2 x10	0.33814	1.87850	-0.85779
121 A100506-3 x10	0.58207	1.10050	-0.06475
122 A100547-12 x10	501.50445	3.82884	0.21353
123 CCB1	0.00156	0.00393	-0.00368
124 CCV18	2.96663	2.59068	2.67498
125 CCV19	-0.01104	0.03949	0.03615
126 CCB1	-0.00093	0.01098	0.00529
127 A100547-13 x10	14091.89648	3.47574	0.76323
128 A100547-14 x10	143.09703	3.19872	-0.04171
129 A100547-15 x10	174.14364	3.91313	-0.04007
130 A100547-21 x10	134.51754	146.69065	147.54040
131 A100554-2	1.62491	-0.17462	1.83028
132 CCB1	0.00090	0.00900	-0.00523
133 A100287-1-S0 8811CP1	0.00317	0.09786	0.05518
134 A100287-1-L1 3010	11.74412	1.88635	1.94157
A100287-1-L2 STLC1	11.81827	1.96991	1.98771
135 A100287-1 x10	0.08263	0.86714	0.44542
137 CCB1	-0.00039	0.00720	0.00388
138 CCV20	3.02531	2.64195	2.72725
139 CCV21	-0.01110	0.04209	0.02996
140 CCB1	0.00000	0.01061	0.00635

#	Sample Name	2203/2	1960/1	1960/2
141	A100287-1-S1 X10	10.81416	3.06184	2.72572
142	A100287-1-S2 X10	10.95823	3.08427	2.79268
143	CCB1	0.00014	0.01485	0.01174
144	CCV22	2.97140	2.65669	2.74350
145	CCV23	-0.00790	0.06195	0.06477
146	ICSA1	-0.11067	0.04448	0.00971
147	ICSAB1	-0.05749	0.08890	0.04936

#	Sample Name	Na3302	K_7664	*Y
1	ICB1	0.24129	0.15492	45756.02343
2	CRDL1	0.58509	H0.64000	45568.42187
3	CRDL1	H0.65136	H0.66529	45493.17187
4	IJA#1	99.87498	49.87100	44755.54687
5	IJA#2	0.24045	0.18666	43693.30078
6	IJA#3	0.14483	0.17335	45976.34765
7	ICV1	50.43187	H26.85332	45175.19921
8	ICV1	49.79971	H26.32851 ^{105%}	45233.82421
9	ICV2 AL CA MG FE SI1	0.24649	0.23036	45423.69921
10	ICV3 AG1	0.10132	0.19548	46793.25000
11	ICSA1	-0.18786	0.16598	43886.32421
12	ICSAB1	13.69948	9.84560	41819.57421
	CCB1	0.15773	0.15682	45596.07421
	CCB1	0.09046	0.16767	45656.44921
15	BLK A000867GCP1	0.11292	0.16114	45352.12500
16	A100348-2	H320.50653	27.67897	43361.67187
17	A100348-3	H1968.92895	H255.24423	36392.12500
18	A100348-4	H1664.94189	H204.80590	38567.02343
19	A100348-5	H1221.35034	H134.99528	40461.22656
20	A100348-6	H650.95739	H61.16572	43753.85156
21	A100348-7	H1958.97070	H250.20117	37299.14843
22	BLK A000873GCP1	H2.09552	0.20443	47803.34765
23	A100441-3 X2 CA MG1	349.62731	14.82364	44617.47656
24	A100441-4 X2	353.33132	13.22851	44849.52343
25	CCB1	0.31649	0.12189	46539.32421
26	CCV4	49.19499	24.20747	45584.52343
27	CCV5	0.13451	0.10636	45004.57421
28	CCB1	0.22396	0.09019	46223.44921
29	A100260-2-S0 8711GCP1	0.18562	0.12339	47754.17187
30	A100260-2-L1 3005	19.57413	18.13209	46597.25000
31	A100260-2-L2 AS1	19.65328	18.09426	46607.39843
32	A100260-2	53.66864	4.99927	45864.00000
33	A100260-2-S1	73.82183	25.44467	45639.30078
34	A100260-2-S2	73.13389	25.51298	46102.69921
35	A100260-6	53.94112	5.05067	46100.07421
36	A100260-13	90.76790	5.62761	46281.02343
37	A100260-14	91.14558	5.62885	46296.94921
38	A100260-15	44.16146	4.04571	46433.79687
	CCB1	0.16393	0.10414	46309.89843
40	CCV6	48.84104	24.28810	45650.14843
41	CCV7	0.16450	0.12128	44922.67578
42	CCB1	0.05374	0.10121	46226.77343
43	A100260-16	H101.05116	3.40594	45437.69921

Sample Name	Na3302	K_7664	*Y
44 A100260-17	43.65232	4.06443	45533.42187
45 A100260-18	3.50463	4.12511	45940.82421
46 A100260-19	5.04942	3.35013	46437.12500
47 A100260-20	H100.50769	3.35328	45410.39843
48 A100260-21	53.22106	5.01632	45492.12500
49 A100311-25	H220.55740	2.58594	45301.19921
50 A100323-1	81.51506	5.33766	45414.25000
51 A100466-4	52.56994	4.94261	46153.79687
52 A100465-1	H100.43725	3.37201	46003.12500
53 CCB1	0.18856	0.10738	46376.05078
54 CCV8	49.11830	24.10699	45671.32421
55 CCV9	0.23059	0.10050	45041.32421
56 CCB1	0.15372	0.08353	46046.69921
57 A100326-1-S0 8851CP1	0.14877	0.09578	47622.57421
58 A100326-1-L1 200.2	19.12159	18.21850	46380.77343
59 A100326-1-L2	20.98030	19.99651	45949.04687
60 A100326-1	0.74114	0.64374	46912.59765
61 A100326-1-S1	20.67622	19.67306	46300.80078
62 A100326-1-S2	19.17034	18.33452	46541.94921
63 A100325-6	65.58732	30.76302	52407.25000
64 A100325-7	23.93388	8.52942	47755.39843
65 A100326-2	0.72304	0.49536	47020.22656
A100326-3	1.28674	0.62543	46526.72265
67 CCB1	0.16147	0.07876	46019.22656
68 CCV10	48.94821	24.21451	45623.54687
69 CCV11	0.19107	0.12529	45328.50000
70 CCB1	0.11021	0.10456	46753.52343
71 A100326-4	7.27535	8.18213	50822.27343
72 A100326-5	7.90304	12.17912	51808.57421
73 A100326-6	3.87706	16.37276	52776.67187
74 A100332-1	41.63987	1.61987	46721.67578
75 A100352-1	H196.59875	22.58992	45809.75000
76 A100352-2	H183.83810	22.60986	46044.25000
77 A100223-1	H2024.57983	H109.04539	40831.87500
78 A100223-2	H1848.90673	H147.97451	39814.77343
79 A100223-3	H1554.64038	41.64161	44922.50000
80 A100223-4	H948.15759	H112.96412	42025.72656
81 CCB1	H2.23011	0.12981	47129.07421
82 CCV12	48.06974	24.02033	46508.35156
83 CCV13	0.15033	0.09084	45938.37500
84 CCB1	0.13858	0.08659	47121.02343
85 A100223-5	H2291.78173	H419.23034	38942.04687
86 A100223-6	H2733.88525	H547.42041	38904.42578
87 CCB1	H2.19228	0.26588	50048.07421
88 A100546-9-S0 8821CP1	2.13080	0.12530	49957.07421
89 A100546-9-L1 3005	20.03375	17.91901	48810.12500
90 A100546-9-L2	19.85487	18.09307	48906.02343
A100546-9	59.75620	22.66581	48680.10156
A100546-9-S1	78.41847	39.87403	48935.94921
93 A100546-9-S2	79.88771	40.28772	49253.57421
94 A100544-1	79.47596	5.16284	49224.35156
95 CCB1	0.26709	0.05166	49899.84765
96 CCV14	L46.84757	L23.22766	48824.47656
97 CCV15	0.19078	0.05494	48816.07421

TJA1470

10/26/00

SD

#	Sample Name	Na3302	K_7664	*Y
98	CCB1	0.19102	0.03495	49886.37500
99	A100546-10	75.64540	19.88518	49958.64843
100	A100546-11	75.74068	18.21246	50001.69921
101	A100546-9 x5	63.03487	23.24348	49035.00000
102	A100544-1 x5	82.40571	4.78224	48554.44921
103	CCB1	0.19468	-0.01043 ✓	48563.72265
	A100547-16-S0 876161	32.21745	2.40413	48602.75000
105	SiO2 BLK x10 3050	31.36395	0.59756	48691.47656
106	A100547-16-11 x10	990.93139	918.68017	48530.47265
107	A100547-16-L2 x10	980.78771	908.25140	48519.09765
108	A100547-16 x10	4.10032	2280.94702	51913.75000
109	CCB1	0.13233	-0.00436	48705.29687
110	CCV16	L46.80896	L23.01378 ^{92%OK}	48239.97656
111	CCV17	0.09607	0.02412 ^{60%O}	48068.82421
112	CCB1	0.03833	-0.01129	49357.17187
113	A100547-16-S1 x10	917.63201	3567.30224 ^{@96%#1}	51818.89843
114	A100547-16-S2 x10	946.90014	3219.79882	51854.77343
115	A100561-1 x10	747.71441	1509.73315	50585.85156
116	A100577-1	11.37131	2.17499	47840.44921
117	A100577-2	12.44620	1.00740	48161.22656
118	A100577-3	4.02951	1.15794	48737.67187
119	A100506-1 x10	481.60797	984.85119	50327.72656
120	A100506-2 x10	180.41125	247.00946	49713.47656
121	A100506-3 x10	164.91275	240.59613	49507.14843
122	A100547-12 x10	56.35793	1965.71984	52063.02343
123	CCB1	0.07424	-0.00865	49732.54687
124	CCV18	L47.17154	L23.02091 ^{92%OK}	49014.00000
125	CCV19	0.17407	0.01035 ^{60%O}	48365.62500
126	CCB1	0.09230	-0.02353	49875.52343
127	A100547-13 x10	3.08663	1787.49047	52271.27343
128	A100547-14 x10	6.27138	2052.25561	52324.47265
129	A100547-15 x10	3.26965	2305.47387	52966.54687
130	A100547-21 x10	995.50244	2930.83154	52834.42187
131	A100554-2	152.37634	272.37145	48918.62500
132	CCB1	0.12594	-0.02214	50547.17187
133	A100287-1-S0 8811CP1	5537.93750	5.60720	47286.39843
134	A100287-1-L1 3010	191.79556	173.27484	50241.62500
135	A100287-1-L2 STL01	193.00701	174.45831	50673.17187
136	A100287-1 x10	1338.98608	2.46220	48560.04687
137	CCB1	0.23792	0.02162	51053.27343
138	CCV20	L47.20156	L22.72423	49960.39843
139	CCV21	0.11186	0.03412	50357.82421
140	CCB1	0.10239	0.04884	51946.29687
141	A100287-1-S1 x10	211.34060	174.37475	51654.39843
142	A100287-1-S2 x10	1064.99682	217.59652	50969.62500
143	CCB1	0.10511	0.04726	52548.82421
144	CCV22	47.51448	L23.03537	51473.62500
145	CCV23	0.18747	0.06140	50988.69921
146	CSA1	-0.12436	0.06690	50468.77343
147	CSA1	12.62178	8.51171	48476.39843

TJA1473

10/31/00

SD

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	ICB1	TJA1473	ICAP4HI	10/31/00	09:40	SD	S	CONC
2	CRDL1	TJA1473	ICAP4HI	10/31/00	09:45	SD	S	CONC
3	ICB1	TJA1473	ICAP4HI	10/31/00	09:56	SD	S	CONC
4	CRDL1	TJA1473	ICAP4HI	10/31/00	10:09	SD	S	CONC
5	TJA#1	TJA1473	ICAP4HI	10/31/00	10:15	SD	S	CONC
6	TJA#2	TJA1473	ICAP4HI	10/31/00	10:20	SD	S	CONC
7	TJA#3	TJA1473	ICAP4HI	10/31/00	10:25	SD	S	CONC
8	ICV1	TJA1473	ICAP4HI	10/31/00	10:30	SD	S	CONC
9	ICV2 AL CA MG FE SI1	TJA1473	ICAP4HI	10/31/00	10:36	SD	S	CONC
10	ICV3 AG1	TJA1473	ICAP4HI	10/31/00	10:41	SD	S	CONC
11	ICSA1	TJA1473	ICAP4HI	10/31/00	10:46	SD	S	CONC
12	ICSAB1	TJA1473	ICAP4HI	10/31/00	10:51	SD	S	CONC
13	CCB1	TJA1473	ICAP4HI	10/31/00	10:57	SD	S	CONC
14	CCB1	TJA1473	ICAP4HI	10/31/00	11:02	SD	S	CONC
15	A100546-9-S0 8821CP1	TJA1473	ICAP4HI	10/31/00	11:07	SD	S	CONC
16	A100546-9-L1 3005	TJA1473	ICAP4HI	10/31/00	11:12	SD	S	CONC
17	A100546-9-L2	TJA1473	ICAP4HI	10/31/00	11:18	SD	S	CONC
18	A100546-9	TJA1473	ICAP4HI	10/31/00	11:23	SD	S	CONC
19	A100546-9-S1	TJA1473	ICAP4HI	10/31/00	11:28	SD	S	CONC
20	A100546-9-S2	TJA1473	ICAP4HI	10/31/00	11:33	SD	S	CONC
	A100546-10	TJA1473	ICAP4HI	10/31/00	11:39	SD	S	CONC
22	A100546-11	TJA1473	ICAP4HI	10/31/00	11:44	SD	S	CONC
23	CCB1	TJA1473	ICAP4HI	10/31/00	11:49	SD	S	CONC
24	A100653-10-S0 8871C1	TJA1473	ICAP4HI	10/31/00	11:54	SD	S	CONC
25	CCB1	TJA1473	ICAP4HI	10/31/00	12:00	SD	S	CONC
26	CCV4	TJA1473	ICAP4HI	10/31/00	12:05	SD	S	CONC
27	CCV5	TJA1473	ICAP4HI	10/31/00	12:10	SD	S	CONC
28	CCB1	TJA1473	ICAP4HI	10/31/00	12:15	SD	S	CONC
29	A100653-10-L1 3005	TJA1473	ICAP4HI	10/31/00	12:20	SD	S	CONC
30	A100653-10-L2	TJA1473	ICAP4HI	10/31/00	12:26	SD	S	CONC
31	A100653-10	TJA1473	ICAP4HI	10/31/00	12:31	SD	S	CONC
32	A100653-10-S1	TJA1473	ICAP4HI	10/31/00	12:36	SD	S	CONC
33	A100653-10-S2	TJA1473	ICAP4HI	10/31/00	12:41	SD	S	CONC
34	A100651-1	TJA1473	ICAP4HI	10/31/00	12:47	SD	S	CONC
35	A100651-2	TJA1473	ICAP4HI	10/31/00	12:52	SD	S	CONC
36	CCB1	TJA1473	ICAP4HI	10/31/00	12:57	SD	S	CONC
37	A100287-1-S0 8811CP1	TJA1473	ICAP4HI	10/31/00	13:02	SD	S	CONC
38	A100287-1-L1 3010	TJA1473	ICAP4HI	10/31/00	13:08	SD	S	CONC
39	CCB1	TJA1473	ICAP4HI	10/31/00	13:13	SD	S	CONC
40	CCV6	TJA1473	ICAP4HI	10/31/00	13:18	SD	S	CONC
41	CCV7	TJA1473	ICAP4HI	10/31/00	13:23	SD	S	CONC
42	CCB1	TJA1473	ICAP4HI	10/31/00	13:35	SD	S	CONC
43	A100287-1-L2 STLC1	TJA1473	ICAP4HI	10/31/00	13:40	SD	S	CONC
44	A100287-1 X200	TJA1473	ICAP4HI	10/31/00	13:46	SD	S	CONC
45	A100287-1-S1 X200	TJA1473	ICAP4HI	10/31/00	13:51	SD	S	CONC
	A100287-1-S2 X200	TJA1473	ICAP4HI	10/31/00	13:56	SD	S	CONC
	A100287-1 X10	TJA1473	ICAP4HI	10/31/00	14:01	SD	S	CONC
48	A100287-1-S1 X10	TJA1473	ICAP4HI	10/31/00	14:07	SD	S	CONC
49	A100287-1-S2 X10	TJA1473	ICAP4HI	10/31/00	14:12	SD	S	CONC
50	CCBA1	TJA1473	ICAP4HI	10/31/00	14:17	SD	S	CONC
51	CCV8	TJA1473	ICAP4HI	10/31/00	14:22	SD	S	CONC
52	CCV9	TJA1473	ICAP4HI	10/31/00	14:28	SD	S	CONC
53	CCB1	TJA1473	ICAP4HI	10/31/00	14:48	SD	S	CONC

Entered By: SD 11/1/00
 Approved By: GPO 11/1/00

Entered By: SD 11/2/00
 Approved By: GPO 11/2/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
54	BLK A000885ICP1	TJA1473	ICAP4HI	10/31/00	14:54	SD	S	CONC
55	A100223-5	TJA1473	ICAP4HI	10/31/00	14:59	SD	S	CONC
56	A100223-6	TJA1473	ICAP4HI	10/31/00	15:04	SD	S	CONC
57	BLK A000873GCP1	TJA1473	ICAP4HI	10/31/00	15:09	SD	S	CONC
58	A100441-3 X2 CA1	TJA1473	ICAP4HI	10/31/00	15:15	SD	S	CONC
59	A100441-4 X2	TJA1473	ICAP4HI	10/31/00	15:20	SD	S	CONC
60	CCB1	TJA1473	ICAP4HI	10/31/00	15:25	SD	S	CONC
61	A100547-16-S0 876IC1	TJA1473	ICAP4HI	10/31/00	15:30	SD	S	CONC
62	A100547-16-L1 3050	TJA1473	ICAP4HI	10/31/00	15:36	SD	S	CONC
63	A100547-16-L2 X10	TJA1473	ICAP4HI	10/31/00	15:41	SD	S	CONC
64	CCB1	TJA1473	ICAP4HI	10/31/00	15:46	SD	S	CONC
65	CCV10	TJA1473	ICAP4HI	10/31/00	15:51	SD	S	CONC
66	CCV11	TJA1473	ICAP4HI	10/31/00	15:57	SD	S	CONC
67	CCB1	TJA1473	ICAP4HI	10/31/00	16:02	SD	S	CONC
68	A100547-16 X10	TJA1473	ICAP4HI	10/31/00	16:07	SD	S	CONC
69	A100547-16-S1 X10	TJA1473	ICAP4HI	10/31/00	16:12	SD	S	CONC
70	A100547-16-S2 X10	TJA1473	ICAP4HI	10/31/00	16:18	SD	S	CONC
71	A100561-1 X10	TJA1473	ICAP4HI	10/31/00	16:23	SD	S	CONC
72	A100561-1 X50 <i>-QC AL</i>	TJA1473	ICAP4HI	10/31/00	16:28	SD	S	CONC
73	A100506-1 X10	TJA1473	ICAP4HI	10/31/00	16:33	SD	S	CONC
74	A100506-2 X10	TJA1473	ICAP4HI	10/31/00	16:39	SD	S	CONC
	A100506-3 X10	TJA1473	ICAP4HI	10/31/00	16:44	SD	S	CONC
75	A100547-12 X10	TJA1473	ICAP4HI	10/31/00	16:49	SD	S	CONC
77	A100547-13 X10	TJA1473	ICAP4HI	10/31/00	16:54	SD	S	CONC
78	CCB1	TJA1473	ICAP4HI	10/31/00	17:00	SD	S	CONC
79	CCV12	TJA1473	ICAP4HI	10/31/00	17:05	SD	S	CONC
80	CCV13	TJA1473	ICAP4HI	10/31/00	17:10	SD	S	CONC
81	CCB1	TJA1473	ICAP4HI	10/31/00	17:15	SD	S	CONC
82	A100547-13 X200	TJA1473	ICAP4HI	10/31/00	17:21	SD	S	CONC
83	A100547-14 X10	TJA1473	ICAP4HI	10/31/00	17:26	SD	S	CONC
84	A100547-15 X10	TJA1473	ICAP4HI	10/31/00	17:31	SD	S	CONC
85	A100547-21 X10	TJA1473	ICAP4HI	10/31/00	17:36	SD	S	CONC
86	A100554-2	TJA1473	ICAP4HI	10/31/00	17:42	SD	S	CONC
87	CCB1	TJA1473	ICAP4HI	10/31/00	17:47	SD	S	CONC
88	A100489-2-S0 891ICP1	TJA1473	ICAP4HI	10/31/00	17:52	SD	S	CONC
89	A100489-2-L1 200.2	TJA1473	ICAP4HI	10/31/00	17:57	SD	S	CONC
90	A100489-2-L2	TJA1473	ICAP4HI	10/31/00	18:03	SD	S	CONC
91	A100489-2	TJA1473	ICAP4HI	10/31/00	18:08	SD	S	CONC
92	CCB1	TJA1473	ICAP4HI	10/31/00	18:13	SD	S	CONC
93	CCV14	TJA1473	ICAP4HI	10/31/00	18:18	SD	S	CONC
94	CCV15	TJA1473	ICAP4HI	10/31/00	18:24	SD	S	CONC
95	CCB1	TJA1473	ICAP4HI	10/31/00	18:29	SD	S	CONC
96	A100489-2-S1	TJA1473	ICAP4HI	10/31/00	18:34	SD	S	CONC
97	A100489-2-S2	TJA1473	ICAP4HI	10/31/00	18:39	SD	S	CONC
98	A100489-1	TJA1473	ICAP4HI	10/31/00	18:45	SD	S	CONC
99	A100477-1	TJA1473	ICAP4HI	10/31/00	18:50	SD	S	CONC
100	CCB1	TJA1473	ICAP4HI	10/31/00	18:55	SD	S	CONC
101	CCV16	TJA1473	ICAP4HI	10/31/00	19:00	SD	S	CONC
102	CCV17	TJA1473	ICAP4HI	10/31/00	19:06	SD	S	CONC
103	ICSA1	TJA1473	ICAP4HI	10/31/00	19:11	SD	S	CONC
104	ICSA1	TJA1473	ICAP4HI	10/31/00	19:16	SD	S	CONC

#	Sample Name	B_2496	Ba4934	Be3130
1	ICB1	0.00513	0.00037	0.00020
2	CRDL1	0.10226	0.00592	HO.00160
3	ICB1	0.00156	0.00002	-0.00021
4	CRDL1	0.10083	0.00522	LO.00076
5	IJA#1	5.02863	4.92589	4.90524
6	IJA#2	0.02001	0.00244	0.00424
7	IJA#3	0.00260	0.00051	0.00028
8	LCV1	2.54283	2.51941	2.55697
9	ICV2 AL CA MG FE S11	0.02073	0.00176	0.00235
10	LCV3 AG1	0.00534	0.00031	0.00004
11	ICSA1	-0.04516	-0.00387	-0.00080
12	LCSA1	0.50331	0.04778	0.04871
13	CCB1	0.00230	0.00009	-0.00024
14	CCB1	0.00146	0.00004	-0.00030
15	A100546-9-S0 8821CP1	0.00069	0.00007	-0.00029
16	A100546-9-L1 3005	0.93235	0.09844	0.00976
17	A100546-9-L2	0.93495	0.09897	0.00982
18	A100546-9	0.18938	0.15801	-0.00028
19	A100546-9-S1	1.12826	0.25435	0.00980
20	A100546-9-S2	1.14332	0.25938	0.00980
21	A100546-10	0.30765	0.38379	-0.00027
	A100546-11	0.19447	0.14686	-0.00028
22	CCB1	0.00239	0.00029	-0.00029
24	A100653-10-S0 8871C1	0.00238	-0.00007	-0.00029
25	CCB1	-0.00021	-0.00004	-0.00031
26	CCV4	2.36602	2.47048	2.50631
27	CCV5	0.01065	0.00197	0.00284
28	CCB1	0.00208	0.00025	0.00000
29	A100653-10-L1 3005	0.90520	0.09840	0.00981
30	A100653-10-L2	0.91089	0.09832	0.00977
31	A100653-10	0.41159	0.26545	-0.00026
32	A100653-10-S1	1.31503	0.35996	0.00975
33	A100653-10-S2	1.31829	0.36137	0.00972
34	A100651-1	0.15370	0.11317	-0.00028
35	A100651-2	0.15146	0.11211	-0.00029
36	CCB1	0.00115	0.00021	-0.00028
37	A100287-1-S0 8811CP1	0.01076	0.01742	-0.00286
38	A100287-1-L1 3010	8.82102	9.84574	2.01739
39	CCB1	0.00239	0.00127	-0.00002
40	CCV6	2.29953	2.44717	2.51282
41	CCV7	0.01039	0.00164	0.00249
42	CCB1	0.00133	0.00004	-0.00023
43	A100287-1-L2 SILC1	8.62164	9.90955	2.03446
44	A100287-1 X200	1.18842	0.26694	-0.00360
45	A100287-1-S1 X200	1.37306	1.05502	0.15708
46	A100287-1-S2 X200	1.56288	1.04371	0.15657
47	A100287-1 X10	6.97776	0.02573	-0.01993
	A100287-1-S1 X10	10.24909	10.01130	2.09812
49	A100287-1-S2 X10	13.72917	9.94680	2.09068
50	CCBA1	0.00495	0.00124	-0.00003
51	CCV8	2.25071	2.45575	2.50476
52	CCV9	0.01098	0.00224	0.00313
53	CCB1	0.00047	0.00001	-0.00026

#	Sample Name	B_2496	Ba4934	Be3130
54	BLK A0008851CP1	-0.00029	0.00002	-0.00026
55	A100223-5	H44.03193	0.04410	0.00305
56	A100223-6	H47.78424	0.57541	0.00824
57	BLK A000873GCP1	0.07440	0.00058	-0.00030
58	A100441-3 X2 CA1	1.28176	0.08208	-0.00048
59	A100441-4 X2	1.31063	0.07860	-0.00055
60	CCB1	0.02454	0.00003	-0.00028
61	A100547-16-SU 8761C1	3.76054	0.02218 ✓	-0.05622 ✓
62	A100547-16-L1 3050	93.23842	91.95053	21.62978
63	A100547-16-L2 X10	89.91843	88.22979	20.92798
64	CCB1	0.01115	0.00024	-0.00023
65	CCV10	2.43759	L2.28990 -92% OK 6010	H2.68679 -OK 6010
66	CCV11	0.01448	-0.00027	0.00090
67	CCB1	0.00535	0.00021	-0.00006
68	A100547-16 X10	2.46135	92.60864	-0.29252
69	A100547-16-S1 X10	79.44066	181.12200	19.10913
70	A100547-16-S2 X10	81.24612	193.55615	19.98317
71	A100561-1 X10	1.35844	111.46657	0.82643
72	A100561-1 X50	4.19678	117.00813	0.63641
73	A100506-1 X10	11.25569	165.16082	-0.01537
74	A100506-2 X10	2.53683	14.27209	-0.05653
	A100506-3 X10	1.68238	9.79649	-0.05770
75	A100547-12 X10	3.37699	175.16331	-0.38578
77	A100547-13 X10	3.14247	127.86422	-0.31185
78	CCB1	0.00159	0.00052	-0.00030
79	CCV12	2.44610	L2.28490 -91% OK 6010	H2.68457 -OK 6010
80	CCV13	0.01106	0.00020	0.00137
81	CCB1	0.00215	0.00021	-0.00004
82	A100547-13 X200	13.49527	134.17584	-1.09703
83	A100547-14 X10	2.48539	88.94005	-0.35761
84	A100547-15 X10	2.38874	91.91334	-0.30264
85	A100547-21 X10	34.60578	144.55679	45.26846
86	A100554-2	640.21606	14.24156	-0.02654
87	CCB1	0.00958	0.00022	-0.00028
88	A100489-2-SU 8911CP1	0.00573	0.00009	-0.00032
89	A100489-2-L1 200.2	0.93045	0.09186	0.01034
90	A100489-2-L2	0.87646	0.09068	0.01022
91	A100489-2	0.77013	0.18841	-0.00029
92	CCB1	0.00312	0.00013	-0.00029
93	CCV14	2.40961	L2.29174 -92% OK 6010	H2.67020 -OK 6010
94	CCV15	0.01088	0.00015	0.00134
95	CCB1	0.00235	0.00016	-0.00004
96	A100489-2-S1	1.75375	0.27758	0.00977
97	A100489-2-S2	1.73812	0.27648	0.00967
98	A100489-1	0.16478	0.38028	-0.00018
99	A100477-1	0.00187	0.00029	-0.00028
100	CCB1	0.00077	0.00001	-0.00029
101	CCV16	2.44311	L2.30264	H2.67986
102	CCV17	0.00922	-0.00035	0.00091
103	ICSA1	-0.04167	-0.00438	-0.00069
104	ICSA1	0.52887	0.04353	0.05288

Sample Name	Ca3179	Cd2265	Co2286
1 ICB1	-0.01612	0.00021	0.00049
2 CRDL1	0.18807	HO.00164 <i>see</i>	HO.00306
3 ICB1	-0.01659	-0.00020	-0.00031
4 CRDL1	0.18912	0.00091	0.00228
5 TJA#1	-0.01288	4.96735	5.00065
6 TJA#2	99.19328	0.00483	0.00521
7 TJA#3	0.07848	0.00037	0.00098
8 IGV1	2.54613	2.53958	2.57001
9 IGV2 AL CA MG FE SI1	47.83232	0.00279	0.00821
10 IGV3 AG1	0.03490	0.00019	0.00031
11 ICSA1	410.89965	0.00441	0.00104
12 ICSAB1	427.39978	0.05131	0.04790
13 CCB1	HO.59913	-0.00013	-0.00000
14 CCB1	0.04386	-0.00026	0.00026
15 A100546-9-S0 8821CP1	0.03390	-0.00022	-0.00002
16 A100546-9-L1 3005	18.71369	0.00945	0.09723
17 A100546-9-L2	18.95696	0.00958	0.09810
18 A100546-9	19.23357	-0.00025	0.00026
19 A100546-9-S1	37.48541	0.00922	0.09751
20 A100546-9-S2	38.07336	0.00935	0.09756
21 A100546-10	23.42694	-0.00020	0.00038
22 A100546-11	9.21586	-0.00044	-0.00031
CCB1	0.00237	-0.00008	0.00005
24 A100653-10-S0 8871CP1	0.00384 ✓	-0.00025	-0.00015
25 CCB1	-0.01533	-0.00020	-0.00007
26 CCV4	-0.01408	2.47167	2.49807
27 CCV5	50.39776	0.00303	0.00341
28 CCB1	0.05182	0.00011	0.00012
29 A100653-10-L1 3005	18.81480	0.00956	0.09724
30 A100653-10-L2	18.89434	0.00947	0.09724
31 A100653-10	48.14103	-0.00027	0.00047
32 A100653-10-S1	66.03742	0.00895	0.09644
33 A100653-10-S2	66.21206	0.00915	0.09664
34 A100651-1	60.03897	-0.00008	0.00086
35 A100651-2	59.68975	-0.00035	0.00039
36 CCB1	0.08197	-0.00009	0.00019
37 A100287-1-S0 8811CP1	0.44381	-0.00192	-0.00105
38 A100287-1-L1 3010	188.77220	0.96757	1.95441
39 CCB1	0.01026	0.00009	0.00039
40 CCV6	-0.01198	2.45665	2.50129
41 CCV7	50.83475	0.00312	0.00322
42 CCB1	-0.00942	-0.00021	0.00022
43 A100287-1-L2 SI101	190.57888	0.97865	1.97432
44 A100287-1 X200	2.23594	-0.01591	0.16822
45 A100287-1-S1 X200	17.64083	0.06558	0.23493
46 A100287-1-S2 X200	17.43873	0.08234	0.32022
47 A100287-1 X10	0.18453	0.00541	0.34011
A100287-1-S1 X10	184.30142	0.94581	2.03445
48 A100287-1-S2 X10	182.56446	0.93964	2.17900
50 CCBA1	0.01055	-0.00007	0.00024
51 CCV8	-0.01184	2.41781	2.48487
52 CCV9	50.28293	0.00357	0.00376
53 CCB1	-0.01417	-0.00009	0.00023

#	Sample Name	Ca3179	Cd2265	Co2286
54	BLK A000885JCP1	0.00465	-0.00020	0.00013
55	A100223-5	H499.29095	0.00332	-0.00177
56	A100223-6	H541.29553	0.01794	0.05064
57	BLK A000873GCP1	0.46819	0.00032	0.00010
58	A100441-3 X2 CA1	190.39443	-0.00028	0.00378
59	A100441-4 X2	166.79742	-0.00013	0.00265
60	CCB1	0.03659	-0.00001	0.00028
61	A100547-16-S0 876JCP1	0.79825	-0.00664	0.06923 ✓
62	A100547-16-L1 3050	1044.07250	10.86765	21.09011
63	A100547-16-L2 X10	1010.81738	10.53018	20.59601
64	CCB1	-0.00802	-0.00022	0.00004
65	CCV10	-0.01131	H2.78852	H2.69868 -OK 6010
66	CCV11	H56.22720	0.00089	0.00143
67	CCB1	0.01725	0.00013	0.00059
68	A100547-16 X10	3045.92382	0.13815	8.90525
69	A100547-16-S1 X10	4003.50830	10.00701	29.34187
70	A100547-16-S2 X10	4313.19335	10.43421	30.46655
71	A100561-1 X10	3383.76928	0.17363	9.41040
72	A100561-1 X50	3641.44726	-0.07730	9.93791
73	A100506-1 X10	7746.82275	0.63139	5.11515
74	A100506-2 X10	754.60809	0.02426	0.03087
	A100506-3 X10	530.93542	-0.01258	0.09475
	A100547-12 X10	10727.67578	3.46881	8.00323
77	A100547-13 X10	4680.06982	2.75170	7.66401
78	CCB1	0.00621	-0.00020	0.00058
79	CCV12	-0.00451	H2.78147	H2.69594 -OK 6010
80	CCV13	H56.09390	0.00110	0.00242
81	CCB1	0.02186	-0.00003	0.00047
82	A100547-13 X200	4913.89355	2.04182	9.15372
83	A100547-14 X10	3836.07983	-0.02504	7.75362
84	A100547-15 X10	3542.32324	0.40870	8.99011
85	A100547-21 X10	10079.67968	63.23959	207.49690
86	A100554-2	4216.35498	-0.00098	0.09062
87	CCB1	0.01465	-0.00006	0.00063
88	A100489-2-S0 891JCP1	0.13387	0.00053	0.00013
89	A100489-2-L1 200.2	21.08992	0.01065	0.10489
90	A100489-2-L2	20.64992	0.01043	0.10372
91	A100489-2	H777.51220	0.00010	0.00373
92	CCB1	H0.60084	-0.00014	0.00013
93	CCV14	0.05409	H2.74667	H2.67048 -OK 6010
94	CCV15	H55.92571	0.00155	0.00237
95	CCB1	0.03154	-0.00004	-0.00004
96	A100489-2-S1	H802.82946	0.01029	0.10224
97	A100489-2-S2	H804.08300	0.00999	0.10131
98	A100489-1	44.20687	0.00235	0.01525
99	A100477-1	0.12870	-0.00036	-0.00013
100	CCB1	0.00302	-0.00017	0.00003
	CCV16	-0.00783	H2.77443	H2.68454
102	CCV17	H56.54756	0.00065	0.00126
103	ICSA1	461.91839	0.00133	0.00060
104	ICSA1	482.67080	0.05418	0.05134

#	Sample Name	Cr2677	Cu3247	Fe2714
1	ICB1	-0.00028	-0.00007	-0.00407
2	CRDL1	0.00577	0.00583	0.04806
3	ICB1	-0.00071	-0.00043	-0.01531
4	CRDL1	0.00508	0.00510	0.04953
5	IJA#1	4.98998	5.01368	0.39555
6	IJA#2	0.02627	0.00554	99.52435
7	IJA#3	0.00040	0.00166	0.10776
8	ICV1	2.59142	2.54718	2.76136
9	ICV2 AL CA MG FE SI1	0.00706	0.00345	48.50115
10	ICV3 AG1	0.00035	0.00074	0.06262
11	ICSA1	0.00259	-0.00164	177.61633
12	ICSA#1	0.05164	0.05298	185.02362
13	CCB1	-0.00051	0.00047	H0.25400
14	CCB1	-0.00044	0.00079	0.02525
15	A100546-9-S0 882ICP1	-0.00000 ✓	0.00124	0.00180
16	A100546-9-L1 3005	0.03893	0.04021	0.93819
17	A100546-9-L2	0.03935	0.04070	0.96172
18	A100546-9	0.00516	0.00188	0.00315
19	A100546-9-S1	0.04460	0.04125	0.96553
20	A100546-9-S2	0.04492	0.04166	0.94384
	A100546-10	0.00900	0.00216	0.00384
	A100546-11	0.00528	0.00079	-0.02170
23	CCB1	0.00004	0.00032	0.00141
24	A100653-10-S0 881IC1	-0.00031	0.00090	-0.00702 ✓
25	CCB1	-0.00070	0.00016	-0.00737
26	CCV4	2.50236 ✓	2.45750	0.20008
27	CCV5	0.01436	0.00386	50.34365
28	CCB1	-0.00002	0.00048	H0.07055
29	A100653-10-L1 3005	0.03935	0.04027	0.95714
30	A100653-10-L2	0.03904	0.04029	0.95557
31	A100653-10	0.00056	0.00573	-0.01297
32	A100653-10-S1	0.03958	0.04604	0.93352
33	A100653-10-S2	0.03965	0.04589	0.93786
34	A100651-1	0.00020	0.00351	0.09681
35	A100651-2	-0.00009	0.00271	0.02620
36	CCB1	-0.00062	0.00012	0.00092
37	A100287-1-S0 881ICP1	0.00428 ✓	0.02087	0.11056
38	A100287-1-L1 3010	2.03491	2.00971	39.09274
39	CCB1	-0.00016	0.00067	0.00244
40	CCV6	2.51161	2.44051	0.20012
41	CCV7	0.01426	0.00376	50.80609
42	CCB1	-0.00032	0.00039	0.00301
43	A100287-1-L2 STLC1	2.05358	2.02557	39.30438
44	A100287-1 X200	0.44115	1.51302	9.19333
45	A100287-1-S1 X200	0.43859	0.62709	6.45691
46	A100287-1-S2 X200	0.62149	1.63340	11.33539
	A100287-1 X10	4.06118	16.35107	72.35150
48	A100287-1-S1 X10	4.62891	6.77170	67.77510
49	A100287-1-S2 X10	5.77736	15.03470	98.36560
50	CCBA1	0.00043	0.00232	0.01066
51	CCV8	2.50373	2.45045	0.19551
52	CCV9	0.01439	0.00378	50.35400
53	CCB1	-0.00065	-0.00031	-0.00231

MINUTE 43

#	Sample Name	Cr2677	Cu3247	Fe2714
54	BLK A0008851CP1	-0.00015	-0.00011	-0.00373
55	A100223-5	0.28604	0.17522	3.78917
56	A100223-6	H5.16899	4.34857	51.21419
57	BLK A000873GCP1	0.00304	0.00277	0.06071
58	A100441-3 X2 CA1	0.00372	0.00204	0.81069
59	A100441-4 X2	0.00250	0.00247	0.89600
60	CCB1	-0.00020	-0.00087	0.00457
61	A100547-16-S0 8761C1	-0.08205 ✓	-0.14413	2.41169
62	A100547-16-L1 3050	21.91956	18.40218	207.64163
63	A100547-16-L2 X10	21.15741	17.67137	203.15872
64	CCB1	-0.00056	-0.00084	-0.00055
65	CCV10	H2.70640 ^{-ok6013}	L2.32484	0.19969
66	CCV11	0.01344	0.00004	H54.27394
67	CCB1	0.00011	-0.00061	0.04261
68	A100547-16 X10	23.67544	21.00473	15120.33691
69	A100547-16-S1 X10	45.15548	39.21724	16722.89843
70	A100547-16-S2 X10	46.57962	42.57839	17084.64257
71	A100561-1 X10	38.04045	58.76147	H21598.41796
72	A100561-1 X50	40.43768	58.69120	23121.55664
73	A100506-1 X10	14.94519	111.46267	8048.74609
74	A100506-2 X10	0.91103	9.61829	320.02783
	A100506-3 X10	0.59885	6.46118	376.39868
	A100547-12 X10	24.99514	80.83946	16324.50976
77	A100547-13 X10	22.15535	73.41938	14356.14062
78	CCB1	0.00000	-0.00068	H0.06753
79	CCV12	H2.70122 ^{-ok6013}	L2.33137	0.22366
80	CCV13	0.01390	0.00070	H53.98227
81	CCB1	-0.00027	-0.00141	0.04943
82	A100547-13 X200	22.69454	67.96984	15077.48242
83	A100547-14 X10	22.06913	14.52034	11991.32421
84	A100547-15 X10	25.37126	25.76253	14408.74218
85	A100547-21 X10	141.78186	77.15065	9119.21777
86	A100554-2	0.64187	4.59043	231.52580
87	CCB1	0.00009	0.00045	0.01068
88	A100489-2-S0 8911CP1	-0.00049	0.00074	0.00871
89	A100489-2-L1 200.2	0.04266	0.03808 ^{re-run Cr}	1.02368
90	A100489-2-L2	0.04189	0.03707 ^{re-run Cu}	0.99786
91	A100489-2	0.00321	0.06861	10.03937
92	CCB1	-0.00013	-0.00027	0.01595
93	CCV14	H2.67741 ^{-ok6013}	L2.32999	0.21826
94	CCV15	0.01393	0.00119	H54.19061
95	CCB1	-0.00024	-0.00086	0.04272
96	A100489-2-S1	0.04322	0.10822	10.94292
97	A100489-2-S2	0.04256	0.10762	10.93039
98	A100489-1	0.09392	0.70017	40.68498
99	A100477-1	-0.00040	-0.00057	0.04235
100	CCB1	-0.00067	-0.00116	0.01270
101	CCV16	H2.69071	L2.34615	0.21585
102	CCV17	0.01302	-0.00022	H54.42829
103	ICSA1	0.00285	-0.00411	190.92701
104	ICSA81	0.05601	0.04756	199.13052

#	Sample Name	N12316	Pb2203	Sb2068
1	ICB1	-0.00061	-0.00092	-0.00340
2	CHDL1	0.00586	0.00170	0.00822
3	ICB1	-0.00104	0.00274	-0.00159
4	CHDL1	0.00515	0.00475	0.01082
5	IJA#1	4.98382	5.02880	5.02346
6	IJA#2	0.01312	0.00667	0.00540
7	IJA#3	0.00014	0.00295	0.00033
8	ICV1	2.50883	2.54817	2.54503
9	ICV2 AL CA MG FE SI1	0.01262	0.00438	0.00589
10	ICV3 AG1	0.00026	0.00214	-0.00099
11	ICSA1	0.00168	-0.00163	-0.00579
12	ICSA1	0.04743	0.04664	0.04856
13	CCB1	-0.00052	0.00204	-0.00041
14	CCB1	-0.00058	0.00221	-0.00359
15	A100546-9-S0-882ICP1	-0.00033	0.00102	0.00129
16	A100546-9-L1 3005	0.09435	0.09757	-0.00130
17	A100546-9-L2	0.09418	0.09953	0.00159
18	A100546-9	0.00054	0.00153	0.00021
19	A100546-9-S1	0.09342	0.09819	-0.00087
20	A100546-9-S2	0.09434	0.09801	-0.00153
21	A100546-10	0.00061	0.00179	-0.00053
	A100546-11	0.00027	0.00110	-0.00038
22	CCB1	-0.00064	0.00184	-0.00274
24	A100653-10-S0 887IC1	-0.00023	0.00126	0.00063
25	CCB1	-0.00013	0.00205	-0.00209
26	CCV4	2.39744	2.48404	2.48862
27	CCV5	0.00699	0.00351	0.00563
28	CCB1	-0.00040	0.00267	0.00018
29	A100653-10-L1 3005	0.09267	0.09809	0.09958
30	A100653-10-L2	0.09203	0.09798	0.09921
31	A100653-10	0.00031	0.00319	0.00223
32	A100653-10-S1	0.09200	0.09670	0.10128
33	A100653-10-S2	0.09139	0.09712	0.10470
34	A100651-1	0.00312	0.00255	-0.00054
35	A100651-2	0.00329	0.00215	-0.00122
36	CCB1	-0.00047	0.00218	-0.00179
37	A100287-1-S0-881ICP1	0.03875	0.02053	-0.05134
38	A100287-1-L1 3010	1.83549	9.69760	9.10470
39	CCB1	-0.00011	0.00412	0.00130
40	CCV6	12.34091-94% OK	2.48050	2.47779
41	CCV7	0.00679	0.00374	0.00567
42	CCB1	-0.00041	0.00187	-0.00197
43	A100287-1-L2 S1LC1	1.84005	9.78244	9.06192
44	A100287-1 X200	68.11302	0.82200	0.49791
45	A100287-1-S1 X200	30.37130	1.38923	0.90533
46	A100287-1-S2 X200	60.30686	1.52707	1.10330
47	A100287-1 X10	653.95233	0.17483	-0.49480
	A100287-1-S1 X10	274.79592	9.14266	8.30326
49	A100287-1-S2 X10	540.39093	9.24342	8.37353
50	CCBA1	0.07045	0.00428	-0.00528
51	CCV8	12.29333-92% OK	2.45031	2.48236
52	CCV9	0.00807	0.00335	0.00478
53	CCB1	-0.00072	0.00183	-0.00158

Rem Pb

Rem Pb

6010

6010

#	Sample Name	Ni2316	Pb2203	Sb2068
54	BLK A0008851CP1	-0.00013	0.00190	-0.00174
55	A100223-5	0.20810	L-0.00667	0.27348
56	A100223-6	3.34780	0.44223	0.51880
57	BLK A000873GCP1	0.00275	0.00540	-0.00219
58	A100441-3 X2 CA1	0.01167	0.00611	0.00394
59	A100441-4 X2	0.00877	0.00699	0.00281
60	CCB1	-0.00005	H0.00371	-0.00130
61	A100547-16-S0 8761G1	-0.15782 ✓	0.51157	0.83323
62	A100547-16-L1 3050	20.33748	109.10729	18.65145
63	A100547-16-L2 x10	13.44718	106.23857	18.14360
64	CCB1	-0.00050	0.00227	0.00399
65	CCV10	H2.63295 <i>-OK 6010</i>	H2.78098	2.50265
66	CCV11	0.00587	0.00295	0.00393
67	CCB1	-0.00041	H0.00328	0.00161
68	A100547-16 x10	16.56930	323.24169	0.46494
69	A100547-16-S1 x10	36.79170	519.53747	3.49308
70	A100547-16-S2 x10	38.50776	537.24206	3.46274
71	A100561-1 x10	55.68745	9.14180	0.94769
72	A100561-1 x50	59.98178	11.74414	-2.25044
73	A100506-1 x10	12.50551	13.94585	0.13156
74	A100506-2 x10	0.44707	1.06347	-0.80167
	A100506-3 x10	0.34719	0.87834	0.36667
75	A100547-12 x10	16.82445	483.84417	0.39202
77	A100547-13 x10	15.78936	H13815.97656	374.31695
78	CCB1	-0.00029	H0.04501	0.00131
79	CCV12	H2.63896 <i>-OK 6010</i>	H2.78682	2.49796
80	CCV13	0.00607	0.00549	0.00058
81	CCB1	-0.00076	0.00285	-0.00123
82	A100547-13 x200	18.58361	14158.97167	397.52511
83	A100547-14 x10	14.97690	132.27294	0.06345
84	A100547-15 x10	16.66814	162.58367	-0.21858
85	A100547-21 x10	67.70451	122.26914	8.24064
86	A100554-2	0.57992	2.39999	0.85299
87	CCB1	0.00036	0.00136	-0.00031
88	A100489-2-S0 8911CP1	0.00011	0.00707	-0.00157
89	A100489-2-L1 200.2	0.09923	0.11084	0.09860
90	A100489-2-L2	0.09798 <i>Peru Ni</i>	0.10869	0.09688
91	A100489-2	0.01389	0.01098	0.01116
92	CCB1	-0.00048	0.00246	-0.00207
93	CCV14	2.58484	H2.74354	2.49087
94	CCV15	0.00630	0.00312	0.00117
95	CCB1	-0.00102	0.00167	-0.00013
96	A100489-2-S1	0.10820	0.11385	0.11669
97	A100489-2-S2	0.10683	0.11328	0.11142
98	A100489-1	0.13833	0.11403	0.01672
99	A100477-1	-0.00090	0.00309	0.00084
100	CCB1	-0.00091	0.00234	-0.00276
101	CCV16	2.62081	H2.76280	2.50285
102	CCV17	0.00565	0.00312	0.00046
103	ICSA1	0.00118	-0.00359	-0.00002
104	ICSAB1	0.05122	0.04937	0.04460

Peru Pb

Peru Pb

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
1	JCB1	TJA1475	ICAP4H1	11/01/00	13:30	SD	S	CONC
2	CRDL1	TJA1475	ICAP4H1	11/01/00	13:35	SD	S	CONC
3	JCB1	TJA1475	ICAP4H1	11/01/00	13:48	SD	S	CONC
4	CRDL1	TJA1475	ICAP4H1	11/01/00	13:57	SD	S	CONC
5	CRDL1	TJA1475	ICAP4H1	11/01/00	14:07	SD	S	CONC
6	TJA#1	TJA1475	ICAP4H1	11/01/00	14:12	SD	S	CONC
7	TJA#2 1	TJA1475	ICAP4H1	11/01/00	14:17	SD	S	CONC
8	TJA#3	TJA1475	ICAP4H1	11/01/00	14:22	SD	S	CONC
9	JCV1	TJA1475	ICAP4H1	11/01/00	14:28	SD	S	CONC
10	JCV2 AL CA MG FE SI1	TJA1475	ICAP4H1	11/01/00	14:33	SD	S	CONC
11	JCV3 AG1	TJA1475	ICAP4H1	11/01/00	14:38	SD	S	CONC
12	JCSA1	TJA1475	ICAP4H1	11/01/00	14:43	SD	S	CONC
13	JCSAB1	TJA1475	ICAP4H1	11/01/00	14:49	SD	S	CONC
14	CCB1	TJA1475	ICAP4H1	11/01/00	14:54	SD	S	CONC
15	CCB1	TJA1475	ICAP4H1	11/01/00	14:59	SD	S	CONC
16	A100547-16-S0 8761C1	TJA1475	ICAP4H1	11/01/00	15:04	SD	S	CONC
17	A100547-16-L1 3050	TJA1475	ICAP4H1	11/01/00	15:10	SD	S	CONC
18	A100547-16-L2 X10	TJA1475	ICAP4H1	11/01/00	15:15	SD	S	CONC
19	A100547-16 X10	TJA1475	ICAP4H1	11/01/00	15:20	SD	S	CONC
20	A100547-16-S1 X10	TJA1475	ICAP4H1	11/01/00	15:25	SD	S	CONC
21	A100547-16-S2 X10	TJA1475	ICAP4H1	11/01/00	15:31	SD	S	CONC
22	A100561-1 X10	TJA1475	ICAP4H1	11/01/00	15:36	SD	S	CONC
23	A100506-1 X10	TJA1475	ICAP4H1	11/01/00	15:41	SD	S	CONC
24	A100506-2 X10	TJA1475	ICAP4H1	11/01/00	15:46	SD	S	CONC
	A100506-3 X10	TJA1475	ICAP4H1	11/01/00	15:52	SD	S	CONC
25	CCB1	TJA1475	ICAP4H1	11/01/00	15:57	SD	S	CONC
27	CCV4	TJA1475	ICAP4H1	11/01/00	16:02	SD	S	CONC
28	CCV5	TJA1475	ICAP4H1	11/01/00	16:07	SD	S	CONC
29	CCB1	TJA1475	ICAP4H1	11/01/00	16:13	SD	S	CONC
30	A100547-12 X10	TJA1475	ICAP4H1	11/01/00	16:18	SD	S	CONC
31	A100547-13 X200	TJA1475	ICAP4H1	11/01/00	16:23	SD	S	CONC
32	A100547-13 X10	TJA1475	ICAP4H1	11/01/00	16:28	SD	S	CONC
33	A100547-14 X10	TJA1475	ICAP4H1	11/01/00	16:34	SD	S	CONC
34	A100547-15 X10	TJA1475	ICAP4H1	11/01/00	16:39	SD	S	CONC
35	A100547-21 X10	TJA1475	ICAP4H1	11/01/00	16:44	SD	S	CONC
36	A100554-2-QC-MJ	TJA1475	ICAP4H1	11/01/00	16:49	SD	S	CONC
37	CCB1	TJA1475	ICAP4H1	11/01/00	16:55	SD	S	CONC
38	A100546-9-S0 8821CP1	TJA1475	ICAP4H1	11/01/00	17:00	SD	S	CONC
39	A100546-9-L1 3005	TJA1475	ICAP4H1	11/01/00	17:05	SD	S	CONC
40	CCB1	TJA1475	ICAP4H1	11/01/00	17:10	SD	S	CONC
41	CCV6	TJA1475	ICAP4H1	11/01/00	17:16	SD	S	CONC
42	CCV7	TJA1475	ICAP4H1	11/01/00	17:21	SD	S	CONC
43	CCB1	TJA1475	ICAP4H1	11/01/00	17:26	SD	S	CONC
44	A100546-9-L2	TJA1475	ICAP4H1	11/01/00	17:31	SD	S	CONC
45	A100546-9	TJA1475	ICAP4H1	11/01/00	17:36	SD	S	CONC
46	A100546-9-S1	TJA1475	ICAP4H1	11/01/00	17:42	SD	S	CONC
47	A100546-9-S2	TJA1475	ICAP4H1	11/01/00	17:47	SD	S	CONC
48	CCB1	TJA1475	ICAP4H1	11/01/00	17:52	SD	S	CONC
49	A100676-1-S0 8030ND1	TJA1475	ICAP4H1	11/01/00	17:57	SD	S	CONC
50	A100676-1-L1 UNDT	TJA1475	ICAP4H1	11/01/00	18:03	SD	S	CONC
	A100676-1-L2	TJA1475	ICAP4H1	11/01/00	18:08	SD	S	CONC
52	A100676-1	TJA1475	ICAP4H1	11/01/00	18:13	SD	S	CONC
53	A100676-1-S1	TJA1475	ICAP4H1	11/01/00	18:18	SD	S	CONC

Entered By: SD 10/21/00
 Approved By: CPD 11/2/00

#	Sample Name	File	Method	Date	Time	OpID	Type	Mode
	CCB1	IJA1475	ICAP4H1	11/01/00	18:24	SD	S	CONC
55	CCV8	IJA1475	ICAP4H1	11/01/00	18:29	SD	S	CONC
56	CCV9	IJA1475	ICAP4H1	11/01/00	18:34	SD	S	CONC
57	CCB1	IJA1475	ICAP4H1	11/01/00	18:39	SD	S	CONC
58	A100676-1-S2	IJA1475	ICAP4H1	11/01/00	18:45	SD	S	CONC
59	A100233-1 X10	IJA1475	ICAP4H1	11/01/00	18:50	SD	S	CONC
60	A100233-1 X2	IJA1475	ICAP4H1	11/01/00	18:55	SD	S	CONC
61	A100240-1 X2	IJA1475	ICAP4H1	11/01/00	19:00	SD	S	CONC
62	A100387-1	IJA1475	ICAP4H1	11/01/00	19:06	SD	S	CONC
63	A100011-18-RC AI	IJA1475	ICAP4H1	11/01/00	19:11	SD	S	CONC
64	A100011-19	IJA1475	ICAP4H1	11/01/00	19:16	SD	S	CONC
65	A100427-1	IJA1475	ICAP4H1	11/01/00	19:21	SD	S	CONC
66	A100376-1	IJA1475	ICAP4H1	11/02/00	06:40	SD	S	CONC
67	CCB1	IJA1475	ICAP4H1	11/02/00	06:45	SD	S	CONC
68	CCV10	IJA1475	ICAP4H1	11/02/00	06:50	SD	S	CONC
69	CCV11	IJA1475	ICAP4H1	11/02/00	06:56	SD	S	CONC
70	ICSA1	IJA1475	ICAP4H1	11/02/00	07:01	SD	S	CONC
71	ICSA81	IJA1475	ICAP4H1	11/02/00	07:06	SD	S	CONC

Sample Name	B_2496	Ba4934	Be3130
32 A100547-14 x10	2.01909	93.47540	-0.31586
33 100547-15 x10	2.21688	95.76417	-0.29027
35 A100547-21 x10	37.60825	154.00497	43.11830
36 A100554-2	699.49340	15.00611	-0.01029
37 CCB1	0.00783	0.00011	-0.00013
38 A100546-9-S0 8821CP1	0.00256	0.00024	-0.00014
39 A100546-9-L1 3005	0.95426	0.09680	0.01002
40 CCB1	0.00190	0.00004	-0.00016
41 CCV6	2.40532	2.44301	2.51449
42 CCV7	0.00093	-0.00027	0.00067
43 CCB1	0.00104	0.00012	0.00000
44 A100546-9-L2	0.94258	0.09776	0.01002
45 A100546-9	0.18876	0.15587	-0.00015
46 A100546-9-S1	1.13516	0.25052	0.01006
47 A100546-9-S2	1.14936	0.25549	0.01007
48 CCB1	0.00165	0.00018	-0.00016
49 A100676-1-S0 9030ND1	0.00156 ✓	-0.00002	-0.00015
50 A100676-1-L1 UNDT	0.21398	0.20853	0.21702
51 A100676-1-L2	0.21676	0.20831	0.21743
52 A100676-1	2.49877	0.08920	-0.00008
53 A100676-1-S1	2.65263 @ 9030	0.29310	0.21750
54 CCB1	0.00493	0.00003	-0.00008
55 CCV8	2.50706	2.41322	2.54958
56 CCV9	0.00139	-0.00053	0.00047
57 CCB1	0.00203	0.00015	0.00000
58 A100676-1-S2	2.63780	0.29141	0.21714
59 A100233-1 x10	7.41904	0.50669	-0.00101
60 A100233-1 x2	7.41138 ✓	0.47206	-0.00034
61 A100240-1 x2	0.55890	0.10091	-0.00024
62 A100387-1	1.28850	0.01572	-0.00023
63 A100011-18	0.02020	0.03726	-0.00016
64 A100011-19	0.01921	0.03074	-0.00018
65 A100427-1	0.01149	0.06330	-0.00013
66 A100376-1	0.20522	0.11979	-0.00008
67 CCB1	0.00367	0.00005	-0.00021
68 CCV10	2.51341	2.46995	2.52592
69 CCV11	0.00005	-0.00095	-0.00002
70 TCSA1	-0.04686	-0.00378	-0.00046
71 TCSAB1	0.52794	0.04764	0.04940

Sample Name	Ca3179	Cd2265	Co2286
1 TCB1	-0.01886	0.00018	0.00001
2 CRDL1	0.18634	HO.00146 <i>see</i>	HO.00249
3 TCB1	-0.02018	-0.00007	-0.00014
4 CRDL1	0.19153	0.00098	0.00193
5 CRDL1	0.18599	0.00095	0.00197
6 TJA#1	-0.01580	5.02179	5.01002
7 TJA#2 1	98.74090	0.00176	0.00227
8 TJA#3	0.02762	0.00040	0.00013
9 TCV1	2.56501	2.57719	2.57212
10 TCV2 AL CA MG FE STI	48.35923	0.00059	0.00623
11 TCV3 AGI	0.00594	0.00029	0.00031

#	Sample Name	Ca3179	Cd2265	Co2286
12	ICSA1	437.29907	0.00208	0.00037
13	ICSA1	437.90637	0.04980	0.04777
14	CCB1	0.24176	0.00002	-0.00009
15	CCB1	0.01779	-0.00016	-0.00023
16	A100547-16-S0 8761C1*	-1.41640	-0.01062	-0.05091
17	A100547-16-L1 3050	942.19018	10.09003	19.53886
18	A100547-16-L2 X10	951.94775	10.17885	19.72165
19	A100547-16 X10	2777.47607	0.08822	8.19370
20	A100547-16-S1 X10	3658.79882	9.13818	27.28208
21	A100547-16-S2 X10	3835.39648	9.25496	27.54381
22	A100561-1 X10	3056.26464	0.11832	8.69585
23	A100506-1 X10	6897.18066	0.52071	4.53942
24	A100506-2 X10	685.50384	-0.00172	-0.01510
25	A100506-3 X10	479.69073	-0.00485	-0.06716
26	CCB1	-0.01614	-0.00005	-0.00003
27	CCV4	-0.01907	2.53756	2.49870
28	CCV5	50.70960	0.00057	0.00113
29	CCB1	0.00338	0.00014	0.00007
30	A100547-12 X10	9648.80078	3.20367	7.37017
31	A100547-13 X200	4724.90136	2.58462	8.44214
32	A100547-13 X10	3988.87597	2.31708	6.50625
33	A100547-14 X10	3443.85791	0.01993	7.03725
34	A100547-15 X10	3223.14208	0.38226	8.28145
35	A100547-21 X10	9377.84570	59.71983	195.99847
	A100554-2	3872.10498	0.01615	0.04654
37	CCB1	-0.00162	-0.00001	0.00005
38	A100546-9-S0 8821CP1	0.02402	0.00012	0.00052
39	A100546-9-L1 3005	18.86653	0.00971	0.09786
40	CCB1	-0.00878	-0.00015	0.00013
41	CCV6	-0.01639	2.48420	2.49832
42	CCV7	50.23251	0.00068	0.00113
43	CCB1	0.00227	0.00006	0.00006
44	A100546-9-L2	18.87928	0.00976	0.09772
45	A100546-9	19.24736	0.00000	0.00072
46	A100546-9-S1	37.58877	0.00958	0.09835
47	A100546-9-S2	38.15580	0.00959	0.09845
48	CCB1	0.00170	-0.00010	0.00009
	A100676-1-S0 9038ND1*	-0.01595	-0.00008	0.00021
50	A100676-1-L1 UN01	20.71761	0.21051	0.21005
51	A100676-1-L2	20.80234	0.21172	0.21041
52	A100676-1	14.71783	-0.00026	0.00102
53	A100676-1-S1	35.60347	0.21610	0.21436
54	CCB1	-0.00490	-0.00017	-0.00028
55	CCV8	-0.01618	2.56976	2.53554
56	CCV9	50.83763	0.00021	0.00054
57	CCB1	-0.00063	0.00002	-0.00001
58	A100676-1-S2	34.60929	0.21552	0.21332
59	A100233-1 X10	24.49189	-0.00070	0.00313
60	A100233-1 X2	24.06305	-0.00058	0.00252
	A100240-1 X2	50.66862	-0.00003	0.00103
	A100387-1	4.54322	-0.00072	-0.00062
63	A100011-18	23.24319	-0.00013	0.00009
64	A100011-19	23.29810	0.00020	-0.00054
65	A100427-1	19.61758	-0.00039	0.00041

#	Sample Name	Ca3179	Cd2265	Co2286
5	A100576-1	41.97463	-0.00054	0.00120
	CCB1	-0.00157	-0.00007	-0.00000
68	CCV10	-0.01527	2.56360	2.52853
69	CCV11	51.34986	-0.00016	0.00052
70	ICSA1	441.06802	0.00249	0.00062
71	ICSA81	433.06259	0.05010	0.04777

#	Sample Name	Cr2677	Cu3247	Fe2714
1	ICB1	-0.00014	-0.00053	-0.01919
2	CHDL1	H0.03273	0.00536	H0.21542 <i>- recalibrated</i>
3	ICB1	-0.00023	0.00012	-0.00834
4	CHDL1	H0.00864	0.00571	H0.07981 <i>- see list</i>
5	CHDL1	H0.00601	0.00470	0.05752 <i>VOK</i>
6	IJA#1	5.02142	5.00516	0.39201
7	IJA#2 1	0.00321	0.00277	99.40708
8	IJA#3	0.00060	0.00093	0.06762
9	ICV1	2.61114	2.54822	2.78517
10	ICV2 AL CA MG FE S11	0.00528	0.00102	48.93512
11	ICV3 AG1	0.00085	0.00011	0.05024
12	ICSA1	0.00280	-0.00289	187.49353
13	ICSA81	0.05211	0.05146	187.61798
14	CCB1	-0.00042	0.00012	H0.11709
15	CCB1	-0.00030	-0.00013	0.01815
16	A100547-16-S0 876LC1	0.13393	-0.01229	2.50793
	A100547-16-L1 3050	20.47217	19.37479	194.19311
17	A100547-16-L2 x10	20.76947	19.50102	197.94702
18	A100547-16 x10	22.32935	22.35287	14213.66015
20	A100547-16-S1 x10	42.42571	41.89922	15730.54687
21	A100547-16-S2 x10	42.81068	44.00607	15639.26171
22	A100561-1 x10	35.45834	62.46547	H20221.62500
23	A100506-1 x10	13.72255	116.85337	7440.68652
24	A100506-2 x10	0.87616	10.51826	301.40319
25	A100506-3 x10	0.60538	7.12541	353.10852
26	CCB1	-0.00015	-0.00026	0.00934
27	CCV4	2.51553	2.46059	0.19562
28	CCV5	0.00200	0.00049	50.40398
29	CCB1	-0.00040	-0.00046	0.03971
30	A100547-12 x10	23.22667	85.23948	15232.27539
31	A100547-13 x200	26.04534	79.99736	15028.43359
32	A100547-13 x10	19.51129	73.16790	12698.61132
33	A100547-14 x10	20.41469	15.25510	11167.31054
34	A100547-15 x10	23.78865	26.82657	13479.52929
35	A100547-21 x10	135.02395	82.06698	8661.79394
36	A100554-2	0.59912	4.69012	217.43606
37	CCB1	-0.00034	-0.00068	0.00726
38	A100546-9-S0 882LCP1	0.00015	0.00127	0.01980
39	A100546-9-L1 3005	0.03991	0.04018	0.96742
40	CCB1	-0.00007	0.00074	0.00541
41	CCV6	2.50726	2.46276	0.20167
42	CCV7	0.00159	0.00117	50.30396
	CCB1	-0.00021	0.00066	0.03126
44	A100546-9-L2	0.03965	0.04081	0.97234

#	Sample Name	N12516	Pb2203	Sb2068
1	ICB1	0.00025	0.00053	-0.00241
2	CRDL1	H0.14225	H0.00396 <i>-see</i>	0.01037
3	ICB1	-0.00013	0.00097	-0.00342
4	CRDL1	H0.02202	0.00336 <i>OK</i>	0.00819
5	CRDL1	H0.01010	L0.00216	-0.00933
6	IJA#1	5.03307	5.07907	5.04384
7	IJA#2 1	0.00448	0.00031	0.00102
8	IJA#3	0.00124	0.00099	-0.00237
9	ICV1	2.57257	2.58631	2.54369
10	ICV2 AL CA MG FE SI1	0.01248	0.00017	0.00173
11	ICV3 AG1	0.00147	0.00050	-0.00237
12	ICSA1	0.00246	-0.00556	-0.00785
13	ICSAB1	0.04877	0.04198	0.04605
14	CCB1	0.00039	-0.00153	-0.00454
15	CCB1	0.00040	-0.00020	-0.00258
16	A100547-16-S0 8761C1	0.11484	-0.12399 ✓	0.25419
17	A100547-16-L1 3050	20.32434	99.95768	17.28710
18	A100547-16-L2 x10	20.52266	101.22473	18.43021
19	A100547-16 x10	16.34506	298.41790	-0.44245
20	A100547-16-S1 x10	36.63028	471.05566 <i>@POTENTI</i>	2.60888
21	A100547-16-S2 x10	37.33150	473.07077 <i>@96#1</i>	2.75931
22	A100561-1 x10	53.55736	7.05246 <i>SD 11/1/00</i>	-1.50225
23	A100506-1 x10	11.67213	12.08986	-1.04847
24	A100506-2 x10	0.67410	0.30348	0.06632
	A100506-3 x10	0.50595	0.54816	-0.73870
	CCB1	-0.00022	0.00066	-0.00350
27	CCV4	2.53258	2.54449	2.48210
28	CCV5	0.00301	-0.00067	0.00052
29	CCB1	0.00018	-0.00010	-0.00277
30	A100547-12 x10	15.89925	436.50512	0.07285
31	A100547-13 x200	21.39074	13602.30078 ✓	392.22973
32	A100547-13 x10	14.20271	H11660.14257	350.81826
33	A100547-14 x10	13.66792	123.61683	-0.08428
34	A100547-15 x10	16.06955	147.96496	-1.11002
35	A100547-21 x10	68.49272	115.32096	7.66065
36	A100554-2	0.67413	1.94983	0.66923
37	CCB1	0.00051	-0.00000	-0.00243
38	A100546-9-S0 8821CP1	0.00053	-0.00102 ✓	0.00200
39	A100546-9-L1 3005	0.09585	0.09854	0.00228
40	CCB1	0.00082	0.00044	-0.00128
41	CCV6	2.40482	2.49984	2.49766
42	CCV7	0.00172	-0.00015	-0.00130
43	CCB1	0.00066	-0.00056	-0.00565
44	A100546-9-L2	0.09346	0.09777	-0.00301
45	A100546-9	0.00164	-0.00088	0.00246
46	A100546-9-S1	0.09461	0.09771	-0.00018
47	A100546-9-S2	0.09491	0.09793	-0.00189
48	CCB1	-0.00009	-0.00012	-0.00129
49	A100676-1-S0 9030ND1	0.00054	-0.00009	-0.00696
50	A100676-1-L1 UND1	0.20389	0.21011	0.18187
	A100676-1-L2	0.20618	0.21072	0.19606
52	A100676-1	0.00376	0.00016	-0.00287
53	A100676-1-S1	0.21435	0.21646	0.19791

#	Sample Name	N12316	P02203	S02068
	CCB1	0.00019	-0.00047	-0.00193
	CCV8	2.51604	2.58178	2.50359
56	CCV9	0.00164	0.00000	0.00133
57	CCB1	0.00058	0.00010	-0.00250
58	A100676-1-S2	0.21377	0.21378	0.20708
59	A100233-1 X10	0.01773	-0.00013	-0.08993
60	A100233-1 X2	0.01257	0.00105	-0.02381
61	A100240-1 X2	0.00272	0.00144	-0.01673
62	A100387-1	0.00087	0.00000	-0.00528
63	A100011-18	0.00338	-0.00017	-0.00654
64	A100011-19	0.00208	-0.00089	-0.00976
65	A100427-1	0.00574	0.02906	-0.00495
66	A100376-1	0.00407	0.00064	-0.00491
67	CCB1	0.00056	0.00058	-0.00261
68	CCV10	2.57666	2.56075	2.46916
69	CCV11	0.00165	-0.00153	-0.00378
70	ICSA1	0.00303	-0.00710	-0.00819
71	ICSA1	0.05019	-0.04428	0.05086

#	Sample Name	Se1960	S12881	I11908
1	CCB1	-0.00122	0.03797	0.00560
2	CRDL1	0.00993	1.10044	0.01132
3	CCB1	-0.00259	0.03193	0.00148
4	CRDL1	10.00776	1.09764	10.00708
	CRDL1	10.00797	1.08948	10.01326
6	IJA#1	5.09823	0.35676	5.07038
7	IJA#2 1	0.03806	169.17645	-0.00051
8	IJA#3	0.00803	0.11904	0.00242
9	ICV1	2.59525	27.81126	2.56703
10	ICV2 Al CA MG FE Si1	0.02395	84.64036	0.00126
11	ICV3 Ag1	0.00098	0.08825	0.00033
12	ICSA1	0.00899	0.05163	-0.00211
13	ICSA1	0.05602	0.59537	0.04645
14	CCB1	-0.00135	0.03928	0.00164
15	CCB1	-0.00215	0.02729	0.00246
16	A100547-16-S0 8761C1	-0.02618	4.05075	0.05839
17	A100547-16-L1 3050	19.23382	78.38014	96.94302
18	A100547-16-L2 X10	19.39029	79.80180	96.40773
19	A100547-16 X10	1.09157	131.35704	-0.46970
20	A100547-16-S1 X10	16.25430	459.25799	86.04080
21	A100547-16-S2 X10	16.83969	519.23376	87.07363
22	A100561-1 X10	1.70878	169.88491	1.31524
23	A100506-1 X10	2.17196	243.98214	0.06688
24	A100506-2 X10	0.41561	167.47077	-0.55234
25	A100506-3 X10	0.10165	146.56161	-0.10044
26	CCB1	-0.00265	0.02204	0.00095
27	CCV4	2.51464	0.15587	2.51710
28	CCV5	0.02497	85.95927	0.00099
29	CCB1	0.00276	0.06825	0.00298
30	A100547-12 X10	1.32449	281.76721	-0.47564
31	A100547-13 X200	-2.63321	187.60115	-5.68270
32	A100547-13 X10	1.01794	174.82173	-0.04188

#	Sample Name	Se1960	Si2881	111908
33	A100547-14 X10	0.60517	286.40670	-0.10517
34	A100547-15 X10	0.45969	144.00857	-0.10230
35	A100547-21 X10	143.28225	176.06333	76.19517
36	A100554-2	0.45251	382.13342	-0.52097
37	CCB1	-0.00127	0.01214	0.00074
38	A100546-9-S0 8821CP1	-0.00269	0.01198	0.00082
39	A100546-9-L1 3005	0.09356	0.07922	0.09385
40	CCB1	0.00005	0.02420	-0.00017
41	CCV6	2.49043	0.15779	2.51609
42	CCV7	0.02410	85.79772	0.00173
43	CCB1	0.00452	0.06104	0.00229
44	A100546-9-L2	0.09124	0.08983	0.09333
45	A100546-9	0.00359	40.10528	-0.00102
46	A100546-9-S1	0.09421	40.09284	0.09778
47	A100546-9-S2	0.09896	41.33049	0.09699
48	CCB1	0.00157	0.04497	0.00003
49	A100676-1-S0 9031ND1*	-0.00116	0.02999	0.00065
50	A100676-1-L1 UND1	0.20646	47.45709	0.21312
51	A100676-1-L2	0.21006	47.77485	0.20935
52	A100676-1	0.00670	94.79817	0.00295
53	A100676-1-S1	0.21634	139.08862	0.21411
54	CCB1	0.00343	0.07847	0.00263
55	CCV8	2.55557	0.17983	2.54943
56	CCV9	0.02244	86.37497	-0.00397
	CCB1	0.00258	0.06266	0.00166
	A100676-1-S2	0.22491	137.97015	0.22016
59	A100233-1 X10	0.03581	58.49552	-0.02587
60	A100233-1 X2	0.00714	31.99503	0.00235
61	A100240-1 X2	0.01331	17.06417	-0.00121
62	A100387-1	0.00086	92.53503	-0.00230
63	A100011-18	0.00135	12.60653	0.00151
64	A100011-19	0.00020	11.55777	-0.00040
65	A100427-1	-0.00029	89.55508	0.00305
66	A100376-1	-0.00033	98.18038	0.00507
67	CCB1	-0.00310	0.06910	0.00149
68	CCV10	2.52051	0.16638	2.50019
69	CCV11	0.03071	85.28895	0.00089
70	ICSA1	0.01182	0.04244	0.00732
71	ICSA1	0.05789	0.58004	0.05195

#	Sample Name	V_2924	Z02062	220371
1	ICB1	0.00005	0.00030	0.00247
2	CRDL1	0.00203	0.01709	0.00375
3	ICB1	-0.00043	-0.00051	0.00212
4	CRDL1	10.00143	0.01904	0.00346
5	CRDL1	0.00172	0.01691	0.00540
6	IJA#1	5.00943	5.07045	5.02100
7	IJA#2 1	0.00445	0.00114	0.04829
	IJA#3	0.00052	-0.00079	0.00249
9	ICV1	2.57418	2.57675	2.56439
10	ICV2 Al CA Mg Fe Si1	0.00282	0.00615	0.02668
11	ICV3 Ag1	0.00029	0.00054	0.00310

#	Sample Name	v_2924	zn2062	220371
12	ICSA1	0.00046	0.00369	0.23680
13	ICSA81	0.05021	0.05127	0.28473
14	CCB1	-0.00016	0.00044	0.00163
15	CCB1	-0.00019	0.00044	0.00311
	XXXXXXXXXXXXXXXXXXXX	0.07444	0.17151 ✓	1.11389
17	A100547-16-L1 3050	19.89173	99.95463	98.40148
18	A100547-16-L2 x10	20.25861	100.85037	99.25683
19	A100547-16 x10	29.17186	52.41904	293.62966
20	A100547-16-S1 x10	51.57872	148.62646	465.61364
21	A100547-16-S2 x10	51.53677	147.96545	467.89080
22	A100561-1 x10	51.12546	71.07843	48.01928
23	A100506-1 x10	16.61125	156.26078	15.00867
24	A100506-2 x10	0.71624	13.42507	1.53138
25	A100506-3 x10	0.77356	12.10776	1.25011
26	CCB1	-0.00026	0.00057	0.00218
27	CCV4	2.49275	2.55752	2.49647
28	CCV5	0.00261	0.00004	0.02669
29	CCB1	-0.00022	0.00112	0.00044
30	A100547-12 x10	27.47972	304.25497	430.52432
31	A100547-13 x200	29.39377	319.04736	13292.07226
32	A100547-13 x10	24.69742	268.24938	11306.52050
33	A100547-14 x10	25.83853	36.16046	123.84727
34	A100547-15 x10	30.54660	65.16580	148.95063
35	A100547-21 x10	150.80799	243.86621	112.06152
	A100554-2	1.56840	13.20496	3.91425
	CCB1	-0.00042	0.00084	0.00197
38	A100546-9-S0 882ICP1	0.00015	0.00198	0.00072
39	A100546-9-L1 3005	0.03927	0.10793	0.09884
40	CCB1	-0.00029	0.00036	0.00318
41	CCV6	2.48099	2.53691	2.47926
42	CCV7	0.00187	-0.00015	0.02473
43	CCB1	-0.00012	0.00074	0.00221
44	A100546-9-L2	0.03902	0.10151	0.09945
45	A100546-9	0.01527	0.00746	0.00125
46	A100546-9-S1	0.05527	0.10006	0.10049
47	A100546-9-S2	0.05490	0.10742	0.09801
48	CCB1	-0.00033	0.00004	0.00076
49	A100676-1-S0 903UND1	-0.00023	-0.00054 ✓	0.00116
50	A100676-1-L1 UND1	0.21207	0.21198	0.21206
51	A100676-1-L2	0.21267	0.21196	0.20977
52	A100676-1	0.00276	-0.00271	0.00271
53	A100676-1-S1	0.21544	0.21771	0.21614
54	CCB1	-0.00042	0.00057	0.00264
55	CCV8	2.49994	A2.62614-105%	2.54927
56	CCV9	0.00217	-0.00008	0.02551
57	CCB1	0.00023	0.00080	0.00341
58	A100676-1-S2	0.21548	0.21621	0.21564
59	A100233-1 x10	0.02282	0.02534	0.04735
60	A100233-1 x2	0.01354	0.05706	0.02016
61	A100240-1 x2	-0.00019	-0.00563	0.00100
	A100387-1	0.00052	0.00094	0.00316
63	A100011-18	0.00004	-0.00082	0.00507
64	A100011-19	-0.00041	0.00958	0.00311
65	A100427-1	0.00055	1.58138	0.02632

#	Sample Name	V 2924	Zn2062	2203/1
65	A100376-1	0.00358	0.00134	0.00540
67	CCB1	0.00008	0.00073	0.00323
68	CCV10	2.49098	2.57038	2.58766
69	CCV11	0.00191	-0.00067	0.02309
70	JCSA1	0.00244	0.00445	0.24185
71	JCSAB1	0.05049	0.05103	0.28585

#	Sample Name	2203/2	1960/1	1960/2
1	JCB1	-0.00073	0.00064	-0.00246
2	CRDL1	0.00377	0.00776	0.01081
3	JCB1	0.00008	-0.00456	-0.00191
4	CRDL1	0.00303	0.00408	0.00935
5	CRDL1	0.00030	0.00920	0.00714
6	IJA#1	5.10783	5.04800	5.12313
7	IJA#2 1	-0.02392	0.04238	0.03563
8	IJA#3	-0.00005	0.00542	0.00903
9	JCV1	2.59696	2.57694	2.60406
10	JCV2 AL CA MG FE S11	-0.01334	0.02221	0.02457
11	JCV3 A61	-0.00109	0.00160	0.00046
12	JCSA1	-0.12700	0.03332	-0.00348
13	JCSAB1	-0.07967	0.07937	0.04401
14	CCB1	-0.00343	-0.00202	-0.00128
15	CCB1	-0.00217	-0.00133	-0.00283
16	A100547-16-S0 8761C1	-0.80527	-0.33536	0.07528
17	A100547-16-L1 3050	100.68250	18.60915	19.49607
18	A100547-16-L2 X10	102.15531	18.66194	19.70433
19	A100547-16 X10	300.75280	1.27280	0.95978
20	A100547-16-S1 X10	473.72360	17.31132	15.67905
21	A100547-16-S2 X10	475.60739	17.66623	16.37941
22	A100561-1 X10	-13.47790	3.58451	0.71809
23	A100506-1 X10	10.56980	1.67272	2.37285
24	A100506-2 X10	-0.36841	0.56257	0.29858
25	A100506-3 X10	0.13758	-0.49881	0.34218
26	CCB1	-0.00041	-0.00544	-0.00147
27	CCV4	2.56821	2.48939	2.52698
28	CCV5	-0.01459	0.02492	0.02474
29	CCB1	-0.00070	0.00034	0.00375
30	A100547-12 X10	439.43704	3.03655	0.42213
31	A100547-13 X200	13756.41699	-6.86072	-1.61386
32	A100547-13 X10	11836.87500	1.71809	0.61875
33	A100547-14 X10	123.44892	1.22370	0.24911
34	A100547-15 X10	147.41674	1.51778	-0.11887
35	A100547-21 X10	116.89422	136.82943	146.45788
36	A100554-2	0.92862	-0.66085	0.97780
37	CCB1	-0.00130	-0.00432	0.00000
38	A100546-9-S0 8821CP1	-0.00220	-0.00495	-0.00177
39	A100546-9-L1 3005	0.09814	0.09007	0.09509
40	CCB1	-0.00123	0.00155	-0.00091
41	CCV6	2.50987	2.47467	2.49802
42	CCV7	-0.01289	0.02323	0.02429
43	CCB1	-0.00227	0.00150	0.00576
44	A100546-9-L2	0.08668	0.08996	0.09157

Element:	Ag	Al	As	B	Ba
Wavelength:	328.068	308.215	189.042/2	249.678/2	493.409
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	1	2	2	3	1
Affecting Element:	V_2924	Fe2714	Al3082	V_2924	Fe2714
k1 factor:	.0003	.002	.0008	-.0023	.000033
k2 factor:	0	0	0	0	0
use?:	YES	YES	NO	YES	YES

Affecting Element:	--n/a--	V_2924	<i>ICP - IEC's</i>	677	--n/a--
k1 factor:	--n/a--	.024		.033	--n/a--
k2 factor:	--n/a--	0		0	--n/a--
use?:	--n/a--	YES	YES	YES	--n/a--

Affecting Element:	--n/a--	--n/a--	--n/a--	Al3082	--n/a--
k1 factor:	--n/a--	--n/a--	--n/a--	.0001	--n/a--
k2 factor:	--n/a--	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	--n/a--	YES	--n/a--

Element:	Be	Ca	Cd	Co	Cr
Wavelength:	313.042	317.933	226.502/2	228.616	267.716
Use IECs:	YES	NO	YES	YES	YES
Number of IECs:	2	0	2	1	1
Affecting Element:	V_2924	--n/a--	Al3082	V_2924	Mg2790
k1 factor:	.00019	--n/a--	-.00002	.001	.000002
k2 factor:	0	--n/a--	0	0	0
use?:	YES	--n/a--	NO	YES	YES

Affecting Element:	Fe2714	--n/a--	Fe2714	--n/a--	--n/a--
k1 factor:	.000003	--n/a--	.000067	--n/a--	--n/a--
k2 factor:	0	--n/a--	0	--n/a--	--n/a--
use?:	YES	--n/a--	YES	--n/a--	--n/a--

Element:	Cu	Fe	Mg	Mn	Mo
Wavelength:	324.753	271.441	279.078	257.610	202.030/2
Use IECs:	YES	NO	NO	NO	NO
Number of IECs:	1	0	0	0	0
Affecting Element:	Al3082	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	.00001	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

Element:	Ni	Sm	Sb	2Sm	Si
Wavelength:	231.604/2	220.353	206.838/2	196.026	288.158
Use IECs:	NO	YES	YES	YES	NO
Number of IECs:	0	2	3	2	0
Affecting Element:	--n/a--	2203/1	Al3082	1960/1	--n/a--
k1 factor:	--n/a--	-.3333	.000005	-.3333	--n/a--
k2 factor:	--n/a--	0	0	0	--n/a--
use?:	--n/a--	YES	YES	YES	--n/a--
Affecting Element:	--n/a--	2203/2	Cr2677	1960/2	--n/a--
k1 factor:	--n/a--	-.6667	-.0069	-.6667	--n/a--
k2 factor:	--n/a--	0	0	0	--n/a--
use?:	--n/a--	YES	YES	YES	--n/a--
Affecting Element:	--n/a--	--n/a--	Fe2714	--n/a--	--n/a--
k1 factor:	--n/a--	--n/a--	.000037	--n/a--	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--	--n/a--
use?:	--n/a--	--n/a--	YES	--n/a--	--n/a--

Element:	Tl	V	Zn	Pb	Pb
Wavelength:	190.864/2	292.402	206.200	220.351	220.352/2
Use IECs:	YES	YES	YES	YES	YES
Number of IECs:	3	2	1	2	2
Affecting Element:	Fe2714	Fe2714	Fe2714	Al3082	Fe2714
k1 factor:	-.00004	-.0003	-.00005	-.00002	.00002
k2 factor:	0	0	0	0	0
use?:	YES	YES	YES	YES	YES
Affecting Element:	Al3082	Cr2677	--n/a--	Fe2714	Cr2677
k1 factor:	-.00002	-.0009	--n/a--	.000015	-.0004
k2 factor:	0	0	--n/a--	0	0
use?:	YES	YES	--n/a--	YES	YES
Affecting Element:	Ca3179	--n/a--	--n/a--	--n/a--	--n/a--
k1 factor:	-.00001	--n/a--	--n/a--	--n/a--	--n/a--
k2 factor:	0	--n/a--	--n/a--	--n/a--	--n/a--
use?:	YES	--n/a--	--n/a--	--n/a--	--n/a--

Element:	Se	Se	Na	K
Wavelength:	196.021	196.02272	330.232	766.491
Use IECs:	YES	YES	YES	YES
Number of IECs:	2	4	6	3
Affecting Element:	Fe2714	Fe2714	Ca3179	Mg2790
k1 factor:	.000041	-.00003	.00017	.001
k2 factor:	0	0	0	0
use?:	YES	YES	NO	YES
Affecting Element:	Mn2576	Al3082	Mg2790	Ca3179
k1 factor:	.00014	-.00007	.00017	.001
k2 factor:	0	0	0	0
use?:	YES	NO	YES	YES
Affecting Element:	--n/a--	Mg2790	Al3082	Al3082
k1 factor:	--n/a--	-.00003	.00017	.001
k2 factor:	--n/a--	0	0	0
use?:	--n/a--	NO	YES	YES
Affecting Element:	--n/a--	Mn2576	Cr2677	--n/a--
k1 factor:	--n/a--	.00033	-.00065	--n/a--
k2 factor:	--n/a--	0	0	--n/a--
use?:	--n/a--	YES	NO	--n/a--
Affecting Element:	--n/a--	--n/a--	V_2924	--n/a--
k1 factor:	--n/a--	--n/a--	.000886	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	NO	--n/a--
Affecting Element:	--n/a--	--n/a--	Fe2714	--n/a--
k1 factor:	--n/a--	--n/a--	-.00007	--n/a--
k2 factor:	--n/a--	--n/a--	0	--n/a--
use?:	--n/a--	--n/a--	NO	--n/a--

TJA 1470

10/26/00

SD

STANDARDIZATION RPT.

10/26/00 12:28:05 PM

page 1

Method: ICAP4HI Standard: STD-BLANK

Run Time: 10/26/00 12:28:57

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Ba5130	Ca3179
Avg	-.0059	.0623	-.0001	.0018	.0001	.0018	.0036
SD	.0007	.0005	.0000	.0005	.0001	.0000	.0001
%RSD	11.73	.4599	.0119	15.90	84.85	1.780	2.174
#1	-.0064	.0621	-.0001	.0016	.0000	.0018	.0036
#2	-.0055	.0625	-.0001	.0019	.0002	.0017	.0035

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Avg	-.0007	-.0003	.0001	.0054	-.0008	.0006	.0001
SD	.0001	.0001	.0000	.0001	.0005	.0005	.0000
%RSD	58.24	41.07	.0119	.8656	56.95	82.71	.0119
#1	-.0003	-.0004	.0001	.0055	-.0012	.0002	.0001
#2	-.0001	-.0002	.0001	.0054	-.0005	.0009	.0001

Elem	Mo2020	Ni2316	Sb2068	Si2881	Ti1908	V_2924	Zn2062
Avg	.0001	.0010	.0002	.0248	-.0003	.0000	.0008
SD	.0001	.0009	.0001	.0001	.0001	.0000	.0001
%RSD	64.29	92.65	20.21	.3629	31.95	47.15	11.80
#1	.0002	.0005	.0003	.0247	-.0004	.0000	.0009
#2	.0001	.0016	.0002	.0248	-.0005	.0000	.0007

Elem	Zr20571	Zr20572	Yb6071	Yb6072	Na3302	K_7664
Avg	-.0006	-.0004	-.0031	.0014	.0002	-.0122
SD	.0016	.0019	.0003	.0001	.0004	.0002
%RSD	3685.	515.6	9.901	4.408	216.8	1.538
#1	.0011	-.0017	-.0034	.0014	.0004	-.0123
#2	-.0012	.0016	-.0029	.0014	-.0001	-.0120

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
wavlen	371.030	--	--	--	--	--	--
Avg	45674	--	--	--	--	--	--
SD	5.44417e	--	--	--	--	--	--
%RSD	.0119195	--	--	--	--	--	--
#1	45670	--	--	--	--	--	--
#2	45678	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#5A

Run Time: 10/26/00 12:28:10

n	Ag3280
Avg	.5654
SD	.0000
%RSD	.0048
#1	.5654
#2	.5654



IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	46680	--	--	--	--	--	--
SDev	72.26576	--	--	--	--	--	--
%RSD	.1548115	--	--	--	--	--	--
#1	46629	--	--	--	--	--	--
#2	46731	--	--	--	--	--	--

Method: ICP4HI Standard: ICP#30
 Run Time: 10/26/00 12:31:47

Elem Ag3280
 Avgc 1.141
 SDev .001
 %RSD .1007
 #1 1.141
 #2 1.140

IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	46578	--	--	--	--	--	--
SDev	51.22933	--	--	--	--	--	--
%RSD	.1099857	--	--	--	--	--	--
#1	46543	--	--	--	--	--	--
#2	46614	--	--	--	--	--	--

Method: ICP4HI Standard: ICP#30
 Run Time: 10/26/00 12:33:25

Elem Ag3280
 Avgc 2.274
 SDev .003
 %RSD .1141
 #1 2.276
 #2 2.273

IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	46689	--	--	--	--	--	--
SDev	42.07285	--	--	--	--	--	--
%RSD	.0901131	--	--	--	--	--	--
#1	46655	--	--	--	--	--	--
#2	46719	--	--	--	--	--	--

Method: ICP4HI Standard: TJA#2F
Run Time: 10/26/00 12:59:03

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avgc	5.259	5.936	1.924	3.082	4.242
SDev	.004	.005	.001	.002	.005
%RSD	.0750	.1168	.0600	.0660	.0591
#1	5.262	5.939	1.925	3.083	4.244
#2	5.257	5.933	1.923	3.080	4.240

IntSto	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	1	--	--	--	--	--	--
wavlen	571.030	--	--	--	--	--	--
Avgc	45439	--	--	--	--	--	--
SDev	16.82970	--	--	--	--	--	--
%RSD	.0370379	--	--	--	--	--	--
#1	45451	--	--	--	--	--	--
#2	45427	--	--	--	--	--	--

Method: ICP4HI Standard: TJA#2F
Run Time: 10/26/00 12:43:13

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avgc	10.66	7.846	3.842	6.257	8.414
SDev	.01	.005	.001	.005	.007
%RSD	.0774	.0563	.0372	.0462	.0877
#1	10.66	7.848	3.843	6.259	8.409
#2	10.67	7.844	3.841	6.255	8.419

IntSto	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	1	--	--	--	--	--	--
wavlen	571.030	--	--	--	--	--	--
Avgc	44957	--	--	--	--	--	--
SDev	9.899495	--	--	--	--	--	--
%RSD	.0220223	--	--	--	--	--	--
#1	44945	--	--	--	--	--	--
#2	44959	--	--	--	--	--	--

Method: ICP4HI Standard: TJA#2F
Run Time: 10/26/00 12:47:22

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avgc	21.77	15.44	7.617	12.71	16.73
SDev	.02	.02	.002	.01	.03
%RSD	.0968	.1016	.0267	.0822	.1586
#1	21.75	15.43	7.616	12.70	16.71
#2	21.78	15.45	7.619	12.71	16.75

IntSto	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem	r	--	--	--	--	--	--
WavLen	371.050	--	--	--	--	--	--
Avgc	43933	--	--	--	--	--	--
SDev	27.47220	--	--	--	--	--	--
%RSD	.0625327	--	--	--	--	--	--
#1	43932	--	--	--	--	--	--
#2	43913	--	--	--	--	--	--

Method: ICP4HI Standard: TJA#1A
 Run Time: 10/26/00 12:51:31

Elem	As1890	B_2496	Ba4934	Bs3130	Ca2265	Ca2286	Cr2677
Avgc	.1948	1.282	3.915	4.599	3.022	.8844	.8100
SDev	.0001	.000	.000	.003	.000	.0002	.0003
%RSD	.0356	.0056	.0101	.0559	.0056	.0193	.0410
#1	.1948	1.282	3.915	4.601	3.022	.8845	.8102
#2	.1947	1.282	3.915	4.597	3.021	.8845	.8098

Elem	Cu5247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avgc	1.450	.6044	.3674	1.034	.1331	.0671	.3487
SDev	.000	.0004	.0051	.001	.0005	.0003	.0001
%RSD	.0294	.0677	1.380	.1054	.3665	.3756	.0398
#1	1.450	.6046	.3658	1.035	.1335	.0673	.3488
#2	1.449	.6041	.3710	1.035	.1328	.0670	.3486

Elem	Zn2062	220371	220372	196071	196072
Avgc	.6406	.7705	1.059	.3897	.1982
SDev	.0010	.0022	.004	.0049	.0060
%RSD	.1528	.2786	.3477	1.263	3.053
#1	.6413	.7720	1.056	.3857	.1939
#2	.6399	.7690	1.061	.3926	.2024

IntStd	1	2	5	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.050	--	--	--	--	--	--
Avgc	45620	--	--	--	--	--	--
SDev	34.39964	--	--	--	--	--	--
%RSD	.0754055	--	--	--	--	--	--
#1	45595	--	--	--	--	--	--
#2	45644	--	--	--	--	--	--

Method: ICP4HI Standard: TJA#1B
 Run Time: 10/26/00 12:56:13

Elem	As1890	B_2496	Ba4934	Bs3130	Ca2265	Ca2286	Cr2677
Avgc	.3931	2.591	7.771	9.106	6.057	1.778	1.620
SDev	.0023	.002	.007	.002	.007	.000	.000
%RSD	.5750	.0877	.0877	.0270	.1096	.0265	.0264
#1	.3915	2.589	7.776	9.104	6.053	1.778	1.619
#2	.3947	2.592	7.766	9.108	6.062	1.778	1.620

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avgc	2.913	1.199	.7525	2.072	.2688	.1370	.6990
SDev	.001	.000	.0029	.002	.0002	.0000	.0005
%RSD	.0485	.0140	.3911	.0995	.0773	.0098	.0409
#1	2.914	1.199	.7504	2.070	.2689	.1370	.6988
#2	2.912	1.199	.7545	2.073	.2686	.1370	.6992

Elem	Zn2062	Zn2037/1	Zn2037/2	19607/1	19607/2		
Avgc	1.291	1.562	2.142	.8057	.4105		
SDev	.002	.000	.002	.0009	.0049		
%RSD	.1449	.0184	.1157	.1109	1.190		
#1	1.290	1.561	2.140	.8051	.4071		
#2	1.292	1.562	2.144	.8063	.4140		

IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	V	--	--	--	--	--	--
#AVlen	371.030	--	--	--	--	--	--
Avgc	45227	--	--	--	--	--	--
SDev	.0402524	--	--	--	--	--	--
%RSD	.0016365	--	--	--	--	--	--
#1	45226	--	--	--	--	--	--
#2	45227	--	--	--	--	--	--

Method: ICP4Hi Standard: ICP#10
 Run Time: 10/26/00 13:00:55

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avgc	.7893	5.258	15.34	17.72	11.99	3.556	3.229
SDev	.0027	.005	.00	.00	.01	.000	.001
%RSD	.3448	.0982	.0172	.0161	.0932	.0115	.0241
#1	.7874	5.261	15.34	17.72	12.00	3.555	3.229
#2	.7912	5.254	15.34	17.72	11.98	3.556	3.228

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avgc	5.890	2.353	1.517	4.149	.5435	.2777	1.397
SDev	.001	.000	.005	.006	.0008	.0002	.001
%RSD	.0119	.0179	.3086	.1489	.1429	.0666	.0398
#1	5.890	2.353	1.513	4.155	.5429	.2778	1.397
#2	5.891	2.352	1.520	4.144	.5440	.2775	1.396

Elem	Zn2062	Zn2037/1	Zn2037/2	19607/1	19607/2	Na3302	K_7664
Avgc	2.561	3.140	4.347	1.640	.8354	2.221	1.900
SDev	.000	.003	.001	.001	.0014	.001	.003
%RSD	.0160	.0903	.0166	.0565	.1685	.0232	.1647
#1	2.561	3.138	4.348	1.640	.8344	2.221	1.903
#2	2.561	3.142	4.347	1.640	.8364	2.221	1.898

IntSta	1	2	3	4	5	6	7
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Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	1	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	44767	--	--	--	--	--	--
SDav	26.23477	--	--	--	--	--	--
%RSD	.0586101	--	--	--	--	--	--
#1	44780	--	--	--	--	--	--
#2	44743	--	--	--	--	--	--

Method: ICAP4HI Slope = Conc(SIR)/IF

Element	Wavelength	High std	Low std	Slope	r-Intercept	Date Standardized
Ag3280	328.068	Multiple Standards	Standards	1.437378	.002599	10/26/00 12:35:25
Al3082	308.215	Multiple Standards	Standards	4.71865	-.290166	10/26/00 12:47:22
As1890	189.042	Multiple Standards	Standards	6.34202	.000479	10/26/00 01:00:55
B_2496	249.678	Multiple Standards	Standards	1.962256	-.001568	10/26/00 01:00:55
Ca4934	493.409	Multiple Standards	Standards	1.322318	-.000129	10/26/00 01:00:55
Ca3150	313.042	Multiple Standards	Standards	1.276241	-.000648	10/26/00 01:00:55
Ca3179	317.933	Multiple Standards	Standards	6.40286	-.024524	10/26/00 12:47:22
Co2265	226.502	Multiple Standards	Standards	1.414488	.000045	10/26/00 01:00:55
Co2286	228.616	Multiple Standards	Standards	1.40966	.000503	10/26/00 01:00:55
Cr2677	267.716	Multiple Standards	Standards	1.54528	-.000217	10/26/00 01:00:55
Cr2747	274.753	Multiple Standards	Standards	1.858319	-.004586	10/26/00 01:00:55
Cr_34	271.441	Multiple Standards	Standards	13.0415	.010063	10/26/00 12:47:22
Cr2790	279.078	Multiple Standards	Standards	7.99061	-.001789	10/26/00 12:47:22
Fe2576	257.610	Multiple Standards	Standards	2.09275	-.000304	10/26/00 01:00:55
Fe2020	202.030	Multiple Standards	Standards	3.34030	-.000245	10/26/00 01:00:55
Fe2316	231.604	Multiple Standards	Standards	1.20759	-.001132	10/26/00 01:00:55
Fe2203	220.353	Multiple Standards	Standards	1.00000	.000000	*NOT STANDARDIZED
Fe2068	206.838	Multiple Standards	Standards	9.24147	-.002024	10/26/00 01:00:55
Fe1960	196.026	Multiple Standards	Standards	1.00000	.000000	*NOT STANDARDIZED
Fe2881	288.158	Multiple Standards	Standards	10.2005	-.254408	10/26/00 12:47:22
Fe1908	190.864	Multiple Standards	Standards	18.2348	.006329	10/26/00 01:00:55
Fe_2924	292.402	Multiple Standards	Standards	5.57759	-.000109	10/26/00 01:00:55
Fe2062	206.200	Multiple Standards	Standards	1.94796	-.001525	10/26/00 01:00:55
Fe20371	220.351	Multiple Standards	Standards	1.60499	.000161	10/26/00 01:00:55
Fe20372	220.352	Multiple Standards	Standards	1.16503	.000553	10/26/00 01:00:55
Fe20071	196.021	Multiple Standards	Standards	5.10648	.009948	10/26/00 01:00:55
Fe20072	196.022	Multiple Standards	Standards	6.15044	-.008338	10/26/00 01:00:55
As3302	330.232	TJA#1C	STD1-BLANK	1.19330	.001121	10/26/00 01:00:55
As_7664	766.491	TJA#1C	STD1-BLANK	1.940234	-.005722	10/26/00 01:00:55

Method: ICAP4HI

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD1-BLANK	1.000000	1.000001	.000001
		TJA#3A	1.250000	1.249904	-.000096
		TJA#3B	1.500000	1.501495	-.001495
		TJA#3C	1.000000	1.997396	1.002604

Intercept: 1.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-BLANK	0.000000	0.004012	-.004012
		TJA#2A	25.0000	24.5264	-.473593
		TJA#2B	50.0000	50.0322	-.032207

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
CorCoef: 0.99984					
1890	189.042	STD1-BLANK	0.00000	0.000063	-0.000063
		TJA#1A	1.25000	1.23560	-0.014399
		TJA#1B	2.50000	2.49378	-0.006216
		TJA#1C	5.00000	5.00628	-0.006276
CorCoef: 0.99999					
2496	249.678	STD1-BLANK	0.00000	0.000118	-0.000118
		TJA#1A	1.25000	1.23243	-0.017570
		TJA#1B	2.50000	2.49145	-0.008547
		TJA#1C	5.00000	5.05782	-0.057824
CorCoef: 0.99996					
4934	493.409	STD1-BLANK	0.00000	-0.000094	0.000094
		TJA#1A	1.25000	1.26171	-0.011710
		TJA#1B	2.50000	2.50456	-0.004561
		TJA#1C	5.00000	4.94404	-0.055961
CorCoef: 0.99997					
3130	313.042	STD1-BLANK	0.00000	-0.000164	0.000164
		TJA#1A	1.25000	1.26973	-0.019731
		TJA#1B	2.50000	2.51484	-0.014837
		TJA#1C	5.00000	4.89425	-0.105748
CorCoef: 0.99987					
3179	317.933	STD1-BLANK	0.00000	-0.001604	0.001604
		TJA#2A	25.0000	25.1781	-0.178144
		TJA#2B	50.0000	50.2145	-0.214481
		TJA#2C	100.000	98.8585	1.14154
CorCoef: 0.99996					
2265	226.502	STD1-BLANK	0.00000	-0.000032	0.000032
		TJA#1A	1.25000	1.25245	-0.002454
		TJA#1B	2.50000	2.51072	-0.010715
		TJA#1C	5.00000	4.96875	-0.031247
CorCoef: 0.99998					
2286	228.616	STD1-BLANK	0.00000	0.000025	-0.000025
		TJA#1A	1.25000	1.24721	-0.002787
		TJA#1B	2.50000	2.50675	-0.006752
		TJA#1C	5.00000	5.01264	-0.012642
CorCoef: 1.00000					
2677	267.716	STD1-BLANK	0.00000	-0.000014	0.000014
		TJA#1A	1.25000	1.25147	-0.001465
		TJA#1B	2.50000	2.50263	-0.002630

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
303247	324.753	STD1-BLANK	0.00000	0.000084	-0.000084
		TJA#1A	1.25000	1.23955	0.010452
		TJA#1B	2.50000	2.49537	0.004629
		TJA#1C	5.00000	5.05106	-0.051064

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
302714	271.441	STD1-BLANK	0.00000	-0.000930	0.000930
		TJA#2A	25.0000	25.1048	-0.104837
		TJA#2B	50.0000	50.1149	-0.114937
		TJA#2C	100.000	99.3508	0.649223

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
302790	279.078	STD1-BLANK	0.00000	0.002847	-0.002847
		TJA#2A	25.0000	24.6213	0.378660
		TJA#2B	50.0000	49.9943	0.005657
		TJA#2C	100.000	101.526	-1.52597

CorCoef: 0.99995

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
302576	257.610	STD1-BLANK	0.00000	-0.000120	0.000120
		TJA#1A	1.25000	1.26447	-0.014467
		TJA#1B	2.50000	2.50946	-0.009464
		TJA#1C	5.00000	4.92320	0.076796

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
302020	202.030	STD1-BLANK	0.00000	0.000157	-0.000157
		TJA#1A	1.25000	1.22689	0.023106
		TJA#1B	2.50000	2.51321	-0.013207
		TJA#1C	5.00000	5.06601	-0.066012

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
3012316	231.604	STD1-BLANK	0.00000	0.000018	-0.000018
		TJA#1A	1.25000	1.24748	0.002521
		TJA#1B	2.50000	2.50068	-0.000684
		TJA#1C	5.00000	5.00872	-0.008717

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
302203	220.353	NONE	0.000000	0.000000	0.000000
		NONE	0.000000	0.000000	0.000000
		NONE	0.000000	0.000000	0.000000
		NONE	0.000000	0.000000	0.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
302068	206.638	STD1-BLANK	0.000000	0.000101	-0.000101
		TJA#1A	1.25000	1.22813	0.021874
		TJA#1B	2.50000	2.48175	0.018219

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
196.026	196.026	NONE	0.00000	0.02043	-0.020431
		NONE	0.00000	0.00000	0.00000
		NONE	0.00000	0.00000	0.00000
		NONE	0.00000	0.00000	0.00000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
288.158	288.158	STD1-BLANK	0.00000	-0.001598	0.001598
		TJA#2A	42.8000	43.0174	-0.217407
		TJA#2B	85.6000	85.5738	0.026230
		TJA#2C	171.200	170.383	0.817184

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
190.864	190.864	STD1-BLANK	0.00000	0.000141	-0.000141
		TJA#1A	1.25000	1.23046	0.019540
		TJA#1B	2.50000	2.50427	-0.004269
		TJA#1C	5.00000	5.06962	-0.069623

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
292.402	292.402	STD1-BLANK	0.00000	0.000008	-0.000008
		TJA#1A	1.25000	1.24728	0.002724
		TJA#1B	2.50000	2.50070	-0.000700
		TJA#1C	5.00000	4.99600	0.004003

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
206.200	206.200	STD1-BLANK	0.00000	0.000011	-0.000011
		TJA#1A	1.25000	1.24630	0.003695
		TJA#1B	2.50000	2.51358	-0.013584
		TJA#1C	5.00000	4.98761	0.012385

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
220.351	220.351	STD1-BLANK	0.00000	0.000091	-0.000091
		TJA#1A	1.25000	1.23676	0.013243
		TJA#1B	2.50000	2.50646	-0.006464
		TJA#1C	5.00000	5.04005	-0.040046

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
220.352	220.352	STD1-BLANK	0.00000	0.000119	-0.000119
		TJA#1A	1.25000	1.23405	0.015951
		TJA#1B	2.50000	2.49626	0.003741
		TJA#1C	5.00000	5.06529	-0.065287

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
196.021	196.021	STD1-BLANK	0.00000	0.00222	-0.00222
		TJA#1A	1.25000	1.21884	0.031160
		TJA#1B	2.50000	2.51282	-0.012821

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
CorCoet: 0.99992					
		TJA#1C	5.00000	5.10455	- .104549
		STD1-BLANK	1.00000	1.000280	- .000280
		TJA#1A	1.25000	1.21042	-.039577
		TJA#1B	2.50000	2.51667	- .016673
		TJA#1C	5.00000	5.12991	- .129910
CorCoet: 0.99987					
		STD1-BLANK	1.001517	1.000164	-.001353
		TJA#1C	2.65156	2.22109	-.430466
CorCoet: 0.99987					
		STD1-BLANK	-1.017168	-1.012173	-.004995
		TJA#1C	1.78117	1.90047	- .119305

10/26/00

Method: ICP4HI Sample Name: I06 Operator: SD
 Run Time: 10/26/00 13:29:42
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0068	.0001	.0038	.0001	-.0001	.0002
SDev	.0001	.0012	.0005	.0003	.0001	.0001	.0000
%RSD	149.1	16.96	368.6	8.977	65.48	46.64	3.020
#1	.0001	-.0060	.0005	.0040	.0001	-.0002	.0002
#2	-.0000	-.0077	-.0002	.0035	.0002	-.0001	.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	.0000	.0000	.0014	-.0009	.0028	-.0001
SDev	.0001	.0002	.0002	.0002	.0010	.0006	.0001
%RSD	27.31	2171.	1248.	11.67	111.1	21.80	53.66
#1	.0003	-.0001	-.0001	.0013	-.0002	.0024	-.0002
#2	.0002	.0002	.0002	.0015	-.0016	.0033	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0028	-.0000	.0002	.0013	.0010	.0877	-.0040
SDev	.0004	.0004	.0000	.0033	.0010	.0035	.0034
%RSD	13.01	1172.	3.402	251.1	99.55	4.019	83.80
#1	.0025	-.0003	.0002	-.0010	.0018	.0902	-.0064
#2	.0030	.0003	.0002	.0036	.0003	.0852	-.0016

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0001	.0012	-.0006	.0030	-.0002	.2413
SDev	.0002	.0002	.0004	.0002	.0016	.0024	.0533
%RSD	50.52	677.7	35.72	37.06	55.15	1131.	22.08
#1	.0003	-.0002	.0016	-.0008	.0018	.0015	.2036
#2	.0006	.0001	.0009	-.0005	.0041	-.0019	.2790

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K_7664

Units ppm
 Avge 11549
 SDev 10077
 %RSD 4.948

#1 11495
 #2 11603

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	45756	--	--	--	--	--	--
SDev	13.61181	--	--	--	--	--	--
%RSD	.0297487	--	--	--	--	--	--
#1	45766	--	--	--	--	--	--
#2	45746	--	--	--	--	--	--

Method: ICAP4HI Sample Name: CRDL1 Operator: SD
 Run Time: 10/26/00 13:34:55
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	Sr2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0028	.0874	.0043	.0986	.0052	.0009	.2013
SDev	.0002	.0010	.0001	.0001	.0001	.0001	.0004
%RSD	7.894	1.111	2.287	1.434	1.143	6.416	.1895
#1	.0029	.0881	.0045	.0987	.0052	.0009	.2010
#2	.0026	.0867	.0044	.0985	.0053	.0010	.2015

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High .0036 .1200 .0048 .1200 .0060 .0012 .2400
 Low .0024 .0800 .0032 .0800 .0040 .0008 .1600

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0019	.0049	H.0064	.0467	.2889	.0052
SDev	.0001	.0000	.0002	.0002	.0044	.0011	.0000
%RSD	9.111	2.319	3.933	3.527	9.540	.3934	.6134
#1	.0011	.0019	.0047	H.0066	.0498	.2897	.0052
#2	.0010	.0019	.0050	H.0063	.0435	.2881	.0053

Errors LC Pass LC Pass LC Pass LC High LC Pass LC Pass LC Pass
 High .0012 .0024 .0060 .0060 .0600 .3600 .0060
 Low .0008 .0016 .0040 .0040 .0400 .2400 .0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H.0076	.0045	.0032	.0088	.0083	1.100	.0091

SDev	0002	0001	0005	0014	0028	0003	0006
%RSD	2.044	2.924	16.43	16.37	34.15	3.108	6.190
#1	H.0077	.0046	.0036	.0098	L.0063	1.103	.0087
#2	H.0075	.0044	.0028	L.0077	.0103	1.098	.0095
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0060	.0060	.0036	.0120	.0120	1.284	.0120
Low	.0040	.0040	.0024	.0080	.0080	.8560	.0080
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	ppm	opm	opm	opm
Avge	.0023	.0192	.0057	.0017	.0132	.0056	.5851
SDev	.0001	.0001	.0016	.0016	.0016	.0034	.0550
%RSD	2.621	.7964	27.34	94.39	12.45	61.57	9.396
#1	.0020	.0193	.0046	.0028	.0120	.0031	H.6240
#2	.0021	.0191	.0068	.0006	.0143	.0080	.5462
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0024	.0240					.6000
Low	.0016	.0160					.4000
Elem	K_7664						
Units	opm						
Avge	H.6400						
SDev	.0000						
%RSD	.0003						
#1	H.6400						
#2	H.6400						
Errors	LC High						
High	.6000						
Low	.4000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avge	45568	--	--	--	--	--	--
SDev	3.217888	--	--	--	--	--	--
%RSD	.0070617	--	--	--	--	--	--
#1	45566	--	--	--	--	--	--
#2	45571	--	--	--	--	--	--

Method: ICAP4HI Standard: STD1-BLANK

Run Time: 10/26/00 13:41:35

Elem	Cu3247	Mo2020	Na3302	K_7664
Avgc	1.0064	1.0006	1.0002	-0.0124
SDev	1.0001	1.0001	1.0013	1.0002
%RSD	1.9610	24.95	828.5	1.238

#1	1.0064	1.0007	1.0010	-0.0125
#2	1.0063	1.0005	-1.0007	-0.0123

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avgc	45951	--	--	--	--	--	--
SDev	1.980452	--	--	--	--	--	--
%RSD	1.0043099	--	--	--	--	--	--
#1	45957	--	--	--	--	--	--
#2	45949	--	--	--	--	--	--

Method: ICAP4HI Slope = Conc(SIR)/IR

Elem	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
Cu3247	524.753	Multiple	Standards	858640	-0.005588	10/26/00 01:41:35
Mo2020	202.030	Multiple	Standards	3.54256	-0.001694	10/26/00 01:41:35
Na3302	530.232	TJA#10	STD1-BLANK	1.19330	1.001135	10/26/00 01:41:35
K_7664	766.491	TJA#10	STD1-BLANK	1.940131	-0.005526	10/26/00 01:41:35

Method: ICAP4HI

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cu3247	524.753	STD1-BLANK	0.00000	0.000087	-0.000087
		TJA#1A	1.25000	1.23921	0.010789
		TJA#1B	2.50000	2.49550	0.004497
		TJA#1C	5.00000	5.05215	-0.052152

CorCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Mo2020	202.030	STD1-BLANK	0.00000	0.000161	-0.000161
		TJA#1A	1.25000	1.22627	0.023726
		TJA#1B	2.50000	2.51346	-0.013457
		TJA#1C	5.00000	5.06799	-0.067987

CorCoef: 0.99996

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
Na3302	530.232	STD1-BLANK	0.001317	0.000152	0.001165
		TJA#1C	2.65156	2.22109	0.430466

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
K_7664	766.491	STD1-BLANK	-0.017168	-0.012383	-0.004785
		TJA#1C	1.78117	1.90047	-0.119305

Method: ICAP4HI Sample Name: CRDL

Operator: S

Run Time: 10/26/00 13:46:08

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	.0961	.0048	.0994	.0057	.0009	.2008
SDev	.0002	.0021	.0003	.0001	.0000	.0000	.0012
%RSD	7.332	2.169	6.125	.0869	.0098	3.253	.5914
#1	.0032	.0975	.0045	.0995	.0052	.0009	.2016
#2	.0029	.0946	H.0050	.0993	.0052	.0009	.2000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0036	.1200	.0048	.1200	.0060	.0012	.2400
Low	.0024	.0800	.0032	.0800	.0040	.0008	.1600

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	.0018	.0049	.0053	.0465	.2875	.0052
SDev	.0001	.0000	.0002	.0000	.0013	.0012	.0000
%RSD	10.25	1.258	4.980	.1720	2.684	.4315	.0904
#1	.0011	.0018	.0051	.0053	.0474	.2884	.0052
#2	H.0013	.0018	.0047	.0053	.0456	.2866	.0052

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0012	.0024	.0060	.0060	.0600	.3600	.0060
Low	.0008	.0016	.0040	.0040	.0400	.2400	.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0052	.0048	.0030	H.0148	H.0123	1.101	L.0063
SDev	.0002	.0003	.0011	.0010	.0023	.002	.0023
%RSD	3.125	6.715	37.56	6.917	20.40	.1916	35.79
#1	.0053	.0051	H.0038	H.0155	.0105	1.102	L.0079
#2	.0051	.0046	L.0022	H.0140	H.0141	1.099	L.0047

Errors	LC Pass	LC Pass	LC Pass	LC High	LC High	LC Pass	LC Low
High	.0060	.0060	.0036	.0120	.0120	1.284	.0120
Low	.0040	.0040	.0024	.0080	.0080	.8560	.0080

Elem	V_2924	Zn2062	Z20371	Z20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0021	.0192	.0037	.0023	.0119	.0122	H.6514
SDev	.0002	.0000	.0013	.0010	.0030	.0023	.0216
%RSD	8.170	.0925	34.43	44.28	25.07	18.62	3.314
#1	.0022	.0192	.0046	.0031	.0098	.0106	H.6666
#2	.0020	.0192	.0028	.0016	.0140	.0138	H.6361

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0024	.0240					.6000
Low	.0016	.0160					.4000

Elem K_7664

Units ppm
 Avge H.6653
 SDev .0181
 %RSD 2.728

#1 H.6781
 #2 H.6525

Errors LC High
 High .6000
 Low .4000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	45493	--	--	--	--	--	--
SDev	38.8549e	--	--	--	--	--	--
%RSD	.0854083	--	--	--	--	--	--
#1	4546e	--	--	--	--	--	--
#2	45521	--	--	--	--	--	--

Method: ICP4HI Sample Name: TJA#1

Operator: SD

Run Time: 10/26/00 13:52:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0035	1.0156	5.035	4.975	4.941	4.906	1.0031
SD	1.0001	1.0007	1.011	1.004	1.005	1.009	1.0000
SRSD	3.539	3.137	1.2174	1.0787	1.1109	1.1915	1.0791
#1	1.0034	1.0151	5.028	4.972	4.937	4.915	1.0031
#2	1.0036	1.0141	5.043	4.978	4.945	4.899	1.0031
Errors	NOCHECK	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High			5.250	5.250	5.250	5.250	
Low			4.750	4.750	4.750	4.750	
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.972	5.019	5.001	5.033	1.3975	1.0082	4.934
SD	1.007	1.006	1.005	1.006	1.0055	1.0020	1.006
SRSD	1339	1.114	1.0907	1.1264	1.391	24.59	1.1131
#1	4.977	5.023	5.005	5.029	1.4014	1.0068	4.938
#2	4.967	5.015	4.998	5.038	1.3936	1.0096	4.930
Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	5.250	5.250	5.250	5.250			5.250
Low	4.750	4.750	4.750	4.750			4.750
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.070	4.961	5.056	5.065	5.102	1.4595	5.081
SD	1.022	1.005	1.001	1.017	1.018	1.0051	1.001
SRSD	1.4286	1.1069	1.0149	1.3262	1.3577	1.6801	1.0202
#1	5.055	4.965	5.055	5.077	5.089	1.4573	5.080
#2	5.085	4.957	5.056	5.054	5.115	1.4617	5.081
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	5.250	5.250	5.250	5.250	5.250		5.250
Low	4.750	4.750	4.750	4.750	4.750		4.750
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.009	5.026	5.041	5.063	5.077	5.114	99.87
SD	1.002	1.018	1.001	1.002	1.009	1.023	1.12
SRSD	1.0454	1.3592	1.0188	1.0317	1.1848	1.4440	1.1178
#1	5.010	5.038	5.042	5.062	5.071	5.098	99.96
#2	5.007	5.013	5.040	5.064	5.084	5.130	99.79
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.250	5.250					105.0
Low	4.750	4.750					95.00
Elem	K_7664						

Units ppm
 Avge 49.87
 SDev .06
 %RSD .1142

#1 49.91
 #2 49.83

Errors LC Pass
 High 52.50
 Low 47.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--
Avge	44756	--	--	--	--	--	--
SDev	5.958141	--	--	--	--	--	--
%RSD	.0088439	--	--	--	--	--	--
#1	44758	--	--	--	--	--	--
#2	44753	--	--	--	--	--	--

Method: ICP-AES Sample Name: TJA#2 Operator: SD
 Run Time: 10/26/00 15:57:47
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4984	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	101.7	.0187	.0161	-.0014	.0007	98.71
SDev	.0001	.1	.0058	.0010	.0005	.0005	.17
%RSD	19.82	.1250	30.85	6.484	35.48	69.54	.1709

#1 .0004 101.8 .0227 .0169 -.0011 .0010 98.59
 #2 .0006 101.6 .0146 .0154 -.0018 .0004 98.83

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Pass
 High 105.0 105.0
 Low 95.00 95.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0013	.0095	.0008	98.96	101.2	.0062
SDev	.0007	.0003	.0004	.0005	.08	.1	.0003
%RSD	36.18	27.14	4.252	69.96	.0782	.0550	7.682

#1 .0025 .0015 .0098 .0012 98.91 101.1 .0065
 #2 .0015 .0010 .0092 .0004 99.02 101.2 .0059

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC Pass NOCHECK
 High 105.0 105.0
 Low 95.00 95.00

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0313	.0072	.0013	.0089	.0398	169.9	-.0132

SDev	.0112	.0006	.0015	.0012	.0188	.2	.0027
%RSD	35.67	6.687	115.4	13.33	47.29	.1353	20.24

#1	.0392	.0077	.0002	.0081	.0531	169.8	-.0151
#2	.0234	.0068	.0024	.0097	.0265	170.1	-.0113

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						180.0	
Low						162.0	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0022	.0050	.0344	-.0153	.0506	.0341	.2403
SDev	.0007	.0006	.0002	.0024	.0094	.0236	.0159
%RSD	32.61	12.48	.5365	15.38	18.48	69.14	6.600

#1	.0027	.0055	.0345	-.0172	.0572	.0508	.2517
#2	.0017	.0046	.0342	-.0138	.0440	.0174	.2292

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	.1867
SDev	.0022
%RSD	1.189

#1	.1851
#2	.1882

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	43693	--	--	--	--	--	--
SDev	19.79899	--	--	--	--	--	--
%RSD	.0453136	--	--	--	--	--	--
#1	43679	--	--	--	--	--	--
#2	43707	--	--	--	--	--	--

Method: ICP-AES Sample Name: TJA#3

Operator: SD

Time: 10/26/00 14:03:01

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9950	.0253	.0027	.0037	.0003	.0003	.0232
SDev	.0004	.0100	.0006	.0001	.0001	.0001	.0087

%RSD	.0441	39.46	21.63	3.233	36.25	51.87	37.28
#1	.9933	.0324	.0023	.0036	.0002	.0002	.0294
#2	.9926	.0183	.0031	.0038	.0004	.0003	.0171
Errors	CC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1.050						
Low	.9500						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0015	.0381	.0004	.7535	.0230	.0193
SDev	.0000	.0001	.0002	.0000	.0124	.0097	.0002
%RSD	16.99	10.10	.5612	10.10	1.650	42.25	.9998
#1	.0002	.0014	.0380	.0004	.7623	.0298	.0192
#2	.0002	.0016	.0383	.0004	.7447	.0161	.0195

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0087	.0942	.0002	.0016	.0065	.0890	.0020
SDev	.0007	.0003	.0008	.0011	.0019	.0367	.0017
%RSD	8.270	.3549	421.0	69.72	29.33	41.23	85.52
#1	.0092	.0939	.0007	.0024	.0078	.1150	.0008
#2	.0082	.0944	.0004	.0008	.0051	.0631	.0032

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0041	.0023	.0012	.0082	.0053	.1448
SDev	.0003	.0003	.0025	.0025	.0006	.0031	.0451
%RSD	42.21	7.207	110.2	211.5	7.591	58.68	31.16
#1	.0005	.0039	.0005	.0006	.0077	.0075	.1129
#2	.0010	.0044	.0041	.0029	.0086	.0031	.1767

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	.1734
SDev	.0141
%RSD	8.152

#1	.1833
#2	.1634

Analysis Report

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Errors NOCHECK
High
Low

IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avgc	45976	--	--	--	--	--	--
SDev	.0000000	--	--	--	--	--	--
%RSD	.0000000	--	--	--	--	--	--
#1	45976	--	--	--	--	--	--
#2	45976	--	--	--	--	--	--

Method: ICP4HI Sample Name: ICVL Operator: SD
 Run Time: 10/26/00 14:08:16
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.491	2.541	2.525	2.616	2.526	2.558	2.558
SDev	.001	.002	.016	.000	.000	.002	.002
%RSD	.0420	.0857	.6419	.0108	.0042	.0897	.0852
#1	2.490	2.543	2.514	2.616	2.526	2.557	2.559
#2	2.492	2.540	2.537	2.615	2.526	2.540	2.556

Errors LC Pass NOCHECK LC Pass LC Pass LC Pass LC Pass LC Pass NOCHECK
 High 2.625 2.625 2.625 2.750 2.625 2.625 2.625
 Low 2.375 2.375 2.375 2.250 2.375 2.375 2.375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.552	2.556	2.579	2.568	2.748	2.435	2.540
SDev	.001	.003	.001	.000	.001	.005	.001
%RSD	.0425	.0994	.0557	.0093	.0358	.2018	.0229
#1	2.552	2.554	2.578	2.568	2.748	2.435	2.540
#2	2.551	2.558	2.580	2.568	2.747	2.431	2.541

Errors LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
 High 2.625 2.625 2.625 2.625 2.625 2.625 2.625
 Low 2.375 2.375 2.375 2.375 2.375 2.375 2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.578	2.559	2.560	2.553	2.597	27.96	2.555
SDev	.019	.003	.006	.001	.022	.01	.006
%RSD	.7190	.1124	.2419	.0532	.8313	.0203	.2258
#1	2.565	2.561	2.556	2.554	2.582	27.96	2.559
#2	2.591	2.557	2.564	2.552	2.612	27.97	2.551

Errors LC Pass LC Pass LC Pass LC Pass LC Pass NOCHECK LC Pass
 High 2.625 2.625 2.625 2.625 2.625 2.625 2.625
 Low 2.375 2.375 2.375 2.375 2.375 2.375 2.375

Low	2.375	2.375	2.375	2.375	2.375		2.375
Elem	V_7924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	ppm
Avgc	2.566	2.529	2.539	2.570	2.585	2.603	50.43
SDev	.001	.000	.003	.008	.007	.029	.02
%RSD	.0306	.0190	.1354	.2955	.2608	1.115	.0487

#1	2.566	2.530	2.537	2.564	2.580	2.582	50.45
#2	2.567	2.529	2.542	2.575	2.590	2.623	50.41

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	opm
Avgc	H26.85
SDev	.05
%RSD	.1996

#1	H26.89
#2	H26.82

Errors	LC High
High	26.25
Low	2.375

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	45175	--	--	--	--	--	--
SDev	3.960903	--	--	--	--	--	--
%RSD	.0087679	--	--	--	--	--	--
#1	45175	--	--	--	--	--	--
#2	45172	--	--	--	--	--	--

Analysis Report

10/26/00 02:19:12 PM

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Method: ICP4HI Sample Name: ICV1

Operator: SO

Run Time: 10/26/00 14:14:04

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.462	2.491	2.456	2.558	2.487	2.495	2.513
SDev	.001	.011	.007	.006	.000	.000	.004
%RSD	.0519	.4404	.2857	.2348	.0007	.0169	.1468
#1	2.463	2.499	2.461	2.562	2.487	2.496	2.515
#2	2.461	2.483	2.452	2.554	2.487	2.495	2.510

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	2.625		2.625	2.750	2.625	2.625	
Low	2.375		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.490	2.491	2.546	2.525	2.691	2.397	2.488
SDev	.003	.001	.002	.002	.003	.003	.001
%RSD	.1100	.0449	.0694	.0819	.0946	.1182	.0547
#1	2.492	2.491	2.548	2.526	2.689	2.399	2.489
#2	2.488	2.490	2.545	2.523	2.693	2.395	2.487

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.538	2.492	2.541	2.375	2.548	27.55	2.526
SDev	.007	.003	.000	.049	.012	.01	.007
%RSD	.2753	.1551	.0111	2.073	.4711	.0453	.2856
#1	2.533	2.494	2.541	2.340	2.540	27.54	2.521
#2	2.543	2.490	2.541	2.409	2.557	27.56	2.531

Errors	LC Pass	LC Pass	LC Pass	LC Low	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zr203/1	Zr203/2	Zr1960/1	Zr1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.516	2.493	2.532	2.545	2.531	2.557	49.60
SDev	.001	.002	.003	.001	.011	.012	.11
%RSD	.0297	.0631	.1113	.0388	.4492	.4847	.2187
#1	2.515	2.494	2.534	2.544	2.523	2.545	49.88
#2	2.517	2.492	2.530	2.546	2.539	2.566	49.72

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Units ppm
 Avge H26.33
 SDev .05
 %RSD .1854

#1 H26.36
 #2 H26.29

Errors LC High
 High 26.25
 Low 2.375

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	45234	--	--	--	--	--	--
SDev	8.662057	--	--	--	--	--	--
%RSD	.0191495	--	--	--	--	--	--
#1	45228	--	--	--	--	--	--
#2	45240	--	--	--	--	--	--

Method: TOAP4HI Sample Name: 10V2 AL CA MG FE SI Operator: SD
 Date Time: 10/26/00 14:19:19
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	48.04	.0119	.0200	-.0001	.0006	L47.49
SDev	.0002	.04	.0047	.0004	.0000	.0000	.02
%RSD	20.59	.0792	39.53	2.234	29.95	2.625	.0461

#1	.0013	48.01	.0153	.0203	-.0001	.0006	L47.48
#2	.0010	48.06	.0086	.0196	-.0002	.0006	47.51

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	.0061	.0050	.0006	48.16	47.81	.0861
SDev	.0000	.0000	.0000	.0001	.02	.02	.0001
%RSD	2.395	.1639	.3325	22.13	.0403	.0496	.1433

#1	.0013	.0061	.0050	.0007	48.14	47.80	.0860
#2	.0013	.0061	.0050	.0005	48.17	47.83	.0862

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0249	.0112	.0012	.0554	.0266	83.87	-.0015

SDev	.0067	.0002	.0007	.0160	.0111	.11	.0000
%RSD	27.05	1.839	59.54	28.94	41.49	.1358	.9227

#1	.0296	.0110	.0017	.0667	.0345	83.59	-.0015
#2	.0201	.0113	.0007	.0441	.0188	83.75	-.0016

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High						LC Pass	
Low						94.00	
						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0083	.0175	-.0073	.0296	.0248	.2465
SDev	.0002	.0002	.0019	.0020	.0074	.0129	.0093
%RSD	7.924	2.331	11.00	27.44	24.91	51.93	3.785

#1	.0024	.0082	.0162	-.0059	.0348	.0339	.2399
#2	.0021	.0084	.0189	-.0087	.0244	.0157	.2531

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	.2304
SDev	.0100
%RSD	4.361

#1	.2375
#2	.2233

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	45474	--	--	--	--	--	--
SDev	64.84390	--	--	--	--	--	--
%RSD	.1427535	--	--	--	--	--	--
#1	45470	--	--	--	--	--	--
#2	45378	--	--	--	--	--	--

Method: ICP4RI Sample Name: LOVS AGI Operator: SD

Run Time: 10/26/00 14:24:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	Br_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4830	.0153	.0028	.0060	.0003	.0001	.0100
SDev	.0007	.0008	.0008	.0001	.0001	.0001	.0024

%RSD	.1391	5.334	27.32	.7743	35.18	62.83	24.51
#1	.4825	.0158	.0033	.0060	.0032	.0001	.0117
#2	.4834	.0147	.0022	.0061	.0004	.0002	.0082
Errors	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.5250						
Low	.4750						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0000	.0007	-.0006	.0252	.0175	.0002
SDev	.0001	.0003	.0002	.0000	.0076	.0012	.0001
%RSD	37.76	650.6	23.95	2.714	30.31	6.654	57.75
#1	.0003	-.0002	.0006	-.0006	.0307	.0183	.0001
#2	.0005	.0001	.0008	-.0006	.0198	.0167	.0002

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	-.0004	.0014	.0140	.0074	.0553	.0001
SDev	.0010	.0001	.0003	.0020	.0018	.0104	.0038
%RSD	13.64	15.23	25.72	14.25	24.41	18.82	3839.
#1	.0084	-.0004	.0011	.0126	.0061	.0627	-.0026
#2	.0069	-.0003	.0016	.0154	.0087	.0480	.0028

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	V_2924	Zn2062	Zr20571	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0023	.0018	.0008	.0102	.0057	.1013
SDev	.0003	.0002	.0013	.0012	.0065	.0005	.0503
%RSD	74.42	9.202	71.00	144.7	63.76	9.225	49.68
#1	.0002	.0022	.0028	-.0000	.0056	.0061	.0657
#2	.0007	.0025	.0009	.0017	.0147	.0054	.1369

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	.1953
SDev	.0066
%RSD	3.380
#1	.2002
#2	.1908

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	46793	--	--	--	--	--	--
SDev	103.4503	--	--	--	--	--	--
%RSD	.2210795	--	--	--	--	--	--
#1	46866	--	--	--	--	--	--
#2	46720	--	--	--	--	--	--

Method: ICP4HI Sample name: IC5A1

Operator: SD

Run Time: 10/26/00 14:29:48

Comment:

Mode: CONC Corr Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0001	461.3	.0003	-.0439	-.0038	-.0006	1397.3
SDev	.0002	.3	.0096	.0004	.0000	.0000	.8
%RSD	169.1	.0646	2763.	.5187	13814	1.570	.1910
#1	-.0000	461.5	.0071	-.0436	-.0038	-.0006	1396.8
#2	.0002	461.1	-.0064	-.0441	-.0038	-.0006	1397.9

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Low
High 600.0 600.0
Low 400.0 400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0064	.0007	.0026	-.0033	173.8	469.8	.0086
SDev	.0002	.0002	.0001	.0002	.2	.6	.0000
%RSD	3.063	28.59	1.788	5.977	.0900	.1262	.0356
#1	.0066	.0009	.0026	-.0034	173.7	469.4	.0086
#2	.0063	.0006	.0027	-.0031	174.0	470.2	.0086

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC Pass NOCHECK
High 240.0 600.0
Low 160.0 400.0

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0027	.0013	.0021	.0077	.0072	.0468	-.0090
SDev	.0001	.0002	.0014	.0013	.0001	.0014	.0067
%RSD	3.899	13.79	67.88	17.31	1.380	3.030	74.52
#1	.0026	.0014	.0031	.0067	.0071	.0478	-.0045
#2	.0028	.0012	.0011	.0086	.0072	.0458	-.0138

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High
Low

LOW

Elem	v_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	- .0030	.0078	.1532	-.0737	.0355	-.0073	-.1879
SDev	.0000	.0004	.0001	.0022	.0039	.0018	.0421
%RSD	1.657	5.352	.0350	2.951	11.08	25.01	22.43
#1	-.0029	.0075	.1532	-.0722	.0327	-.0060	-.1581
#2	-.0030	.0081	.1533	-.0752	.0383	-.0086	-.2177

Errors HIGH LOW
 NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

Elem	K_7664
Units	ppm
Avgc	.1660
SDev	.0008
%RSD	.5084

#1	.1654
#2	.1666

Errors HIGH LOW
 NOCHECK

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wavelength	571.030	---	---	---	---	---	---
Avgc	43886	---	---	---	---	---	---
SDev	15.09783	---	---	---	---	---	---
%RSD	.0344021	---	---	---	---	---	---
#1	43876	---	---	---	---	---	---
#2	43897	---	---	---	---	---	---

Method: ICP4HI Sample Name: ICSAB1 Operator: SD
 Run Time: 10/26/00 14:35:04
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag5280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0541	479.9	.0513	.5224	.0473	.0477	414.2
SDev	.0002	.0011	.0017	.0015	.0001	.0001	.111
%RSD	.3726	.0253	3.505	.2963	.1856	.1593	2585
#1	.0542	479.8	.0525	.5235	.0473	.0478	415.0
#2	.0539	479.9	.0501	.5213	.0474	.0476	413.4

Errors HIGH LOW
 LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 .0600 600.1 .0600 .6600 .0600 .0600 .0600 600.1
 .0400 400.0 .0400 .4400 .0400 .0400 .0400 400.0

Elem	Cd2265	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	opm	opm	opm	opm
Avge	.0529	.0468	.0506	.0527	181.0	489.6	.0563
SDev	.0005	.0003	.0005	.0002	.2	.6	.0001
%RSD	.9383	.7251	.9945	.2951	.1286	.1251	.1043
#1	.0525	.0471	.0509	.0526	181.1	490.1	.0563
#2	.0532	.0466	.0502	.0528	180.8	489.2	.0562
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	ppm
Avge	.0502	.0471	.0487	.0564	.0461	.5992	L.0371
SDev	.0019	.0012	.0026	.0001	.0009	.0054	.0047
%RSD	3.883	2.639	5.427	.1900	1.876	.8990	12.55
#1	.0488	.0480	.0468	.0565	.0467	.6030	.0404
#2	.0516	.0463	.0506	.0563	.0455	.5954	L.0338
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400
Elem	V_2924	Zn2062	Zr2037/1	Zr2037/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	ppm	opm
Avge	.0447	.0515	.2051	-.0298	.0765	.0306	13.70
SDev	.0003	.0011	.0004	.0041	.0015	.0006	.02
%RSD	.5550	2.211	.1782	13.89	1.913	1.846	.1432
#1	.0445	.0523	.2054	-.0328	.0776	.0310	13.71
#2	.0449	.0507	.2049	-.0269	.0755	.0302	13.69
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					
Elem	K_7664						
Units	opm						
Avge	9.846						
SDev	.005						
%RSD	.0484						
#1	9.849						
#2	9.842						
Errors	NOCHECK						
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avge	41820	--	--	--	--	--	--
SDev	69.54506	--	--	--	--	--	--
%RSD	.1662978	--	--	--	--	--	--
#1	41770	--	--	--	--	--	--
#2	41869	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB Operator: SP
 Run Time: 10/26/00 14:40:19
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag5280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	- .0000	H .1420	.0003	.0040	.0000	- .0001	.1354
SDev	.0002	.0161	.0025	.0001	.0000	.0000	.0183
%RSD	146.0	11.35	900.7	2.587	5.272	16.97	13.50
#1	.0001	H.1534	- .0015	.0041	.0001	- .0001	.1483
#2	- .0001	H.1306	.0020	.0040	.0000	- .0001	.1225

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	- .0030	- .1000	- .0040	- .1000	- .0050	- .0010	- .5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0001	- .0001	- .0012	H.0697	.1312	- .0001
SDev	.0000	.0002	.0001	.0000	.0150	.0158	.0000
%RSD	13.44	246.8	54.34	3.216	21.56	12.03	22.98
#1	.0001	- .0001	- .0002	- .0012	H.0805	.1424	- .0002
#2	.0001	.0002	- .0001	- .0011	H.0591	.1200	- .0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	- .0007	.0001	.0024	.0043	.0739	- .0039
SDev	.0003	.0001	.0012	.0020	.0001	.0025	.0003
%RSD	7.776	13.32	1052.	82.13	2.681	3.433	7.992
#1	.0034	- .0006	.0010	.0038	.0042	.0721	- .0036
#2	.0030	- .0008	- .0007	.0010	.0044	.0757	- .0041

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0000	.0010	- .0007	.0059	.0032	.1577
SDev	.0001	.0000	.0009	.0014	.0024	.0010	.0155
%RSD	22.32	17.69	85.31	210.0	40.78	31.91	9.678

Analysis Report

10/26/00 02:45:28 PM

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#1	.0003	.0000	.0016	.0003	.0042	.0039	.1685
#2	.0002	.0000	.0004	-.0016	.0076	.0025	.1469
Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Errors Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .1568
 SDev .0228
 %RSD 14.52

#1	.1729
#2	.1407

Errors High	LC Pass
Errors Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Count	3711030	--	--	--	4211030	--	--
Avge	45596	--	--	--	45596	--	--
SDev	110.6291	--	--	--	110.6291	--	--
%RSD	.2426285	--	--	--	.2426285	--	--
#1	45674	--	--	--	45674	--	--
#2	45518	--	--	--	45518	--	--

Method: ICP-AES Sample Name: C051 Operator: SD
 Run Time: 10/26/00 14:45:55
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0426	.0005	.0027	.0000	-.0001	.0293
SDev	.0001	.0061	.0003	.0006	.0000	.0000	.0060
%RSD	58.11	14.24	53.52	21.11	158.0	22.83	20.54
#1	.0001	.0354	.0008	.0023	-.0000	-.0001	.0251
#2	.0002	.0469	.0003	.0031	.0000	-.0001	.0336

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Errors Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	-.0000	-.0001	-.0012	.0154	.0318	-.0002
SDev	.0001	.0002	.0003	.0001	.0059	.0095	.0000
%RSD	78.35	4032.1	351.4	8.467	38.20	29.70	1131

#1	.0002	-.0002	-.0003	-.0012	.0112	.0251	-.0002
#2	.0000	.0002	.0001	-.0011	.0105	.0250	-.0002

errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0018	-.0004	.0000	.0049	.0008	.0602	-.0063
SDev	.0005	.0000	.0004	.0011	.0026	.0039	.0014
%RSD	25.86	4.561	2116.	23.35	306.3	6.491	22.86

#1	.0021	-.0004	.0003	.0057	.0027	.0574	-.0052
#2	.0015	-.0004	-.0003	.0041	-.0010	.0629	-.0073

errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-.0003	.0006	-.0006	.0018	.0001	.0905
SDev	.0001	.0001	.0005	.0008	.0000	.0039	.0466
%RSD	414.5	56.09	80.51	139.5	.5653	4665.	51.47

#1	.0001	-.0002	.0003	-.0000	.0018	.0028	.0575
#2	-.0000	-.0004	.0010	-.0012	.0018	-.0027	.1234

errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
units	ppm
Avg	.1677
SDev	.0168
%RSD	10.03

#1	.1558
#2	.1796

errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
Waven	371.030	---	---	---	---	---	---
Area	45656	---	---	---	---	---	---
SDev	62.36903	---	---	---	---	---	---
%RSD	.1366051	---	---	---	---	---	---

#1	45701	---	---	---	---	---	---
#2	45612	---	---	---	---	---	---

Method: (CAP4H) Sample Name: BLK A000867GCP1 Operator: SC
 Run Time: 10/26/00 14:50:50
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Hg3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0001	1.0430	1.0003	1.0009	1.0000	1.0001	1.0218
SDev	1.0003	1.0095	1.0013	1.0000	1.0000	1.0000	1.0090
%RSD	355.2	21.96	442.2	3.319	33.99	9.951	41.49
#1	1.0003	1.0497	1.0006	1.0008	1.0000	1.0001	1.0282
#2	1.0001	1.0363	1.0012	1.0009	1.0000	1.0001	1.0154
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0000	1.0002	1.0003	1.0004	1.0092	1.0218	1.0001
SDev	1.0001	1.0000	1.0001	1.0001	1.0032	1.0100	1.0000
%RSD	504.9	20.52	21.43	22.73	35.34	45.79	34.27
#1	1.0001	1.0002	1.0003	1.0004	1.0115	1.0289	1.0001
#2	1.0001	1.0002	1.0004	1.0005	1.0069	1.0148	1.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0007	1.0005	1.0003	1.0012	1.0024	1.0309	1.0037
SDev	1.0000	1.0000	1.0006	1.0060	1.0009	1.0024	1.0017
%RSD	1.4240	5.3399	194.8	497.8	38.41	7.794	46.14
#1	1.0007	1.0005	1.0007	1.0055	1.0018	1.0326	1.0049
#2	1.0007	1.0005	1.0001	1.0031	1.0031	1.0292	1.0025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Zr203/1	Zr203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0001	1.0045	1.0013	1.0014	1.0031	1.0018	1.1129
SDev	1.0003	1.0001	1.0004	1.0007	1.0020	1.0024	1.0527
%RSD	257.0	2.203	34.75	46.89	63.09	135.0	46.66
#1	1.0001	1.0045	1.0010	1.0019	1.0045	1.0001	1.1502
#2	1.0004	1.0044	1.0016	1.0010	1.0017	1.0035	1.0757
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7004						

Units ppm
 Avge 1.1611
 SDev 1.0111
 %RSD 6.368

#1 1.1533
 #2 1.1690

Errors LC Pass
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avge	45352	--	--	--	--	--	--
SDev	54.19865	--	--	--	--	--	--
%RSD	1195063	--	--	--	--	--	--
#1	45314	--	--	--	--	--	--
#2	45390	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100348-2 Operator: SD
 Run Time: 10/26/00 14:56:03
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0001	2.124	1.0137	1.3312	1.0738	1.0002	32.85
SDev	1.0002	1.008	1.0017	1.0001	1.0001	1.0000	1.11
%RSD	142.11	3616	12.17	1.0328	1.1337	2.490	1.3339
#1	1.0000	2.130	1.0149	1.3312	1.0738	1.0002	32.92
#2	1.0002	2.119	1.0126	1.3311	1.0739	1.0002	32.77

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0024	1.0027	1.0228	1.1064	5.443	39.73	1.5081
SDev	1.0002	1.0003	1.0002	1.0003	1.005	1.06	1.0011
%RSD	5.540	11.10	1.5564	1.2911	1.0893	1.1449	1.2238
#1	1.0025	1.0029	1.0227	1.1062	5.446	39.77	1.5089
#2	1.0022	1.0025	1.0230	1.1066	5.440	39.69	1.5073

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0024	1.0132	1.0371	1.0087	1.0032	17.30	1.0017

SDev	.0001	.0009	.0010	.0020	.0044	.01	.0051
%RSD	2.551	7.176	2.765	22.71	137.9	.0307	305.2
#1	.0024	.0138	.0378	.0101	.0001	17.30	-.0019
#2	.0023	.0123	.0364	.0073	.0063	17.30	.0052
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0113	.3224	.0386	.0360	.0052	.0018	H320.5
SDev	.0001	.0018	.0001	.0015	.0029	.0051	.4
%RSD	1.164	.5606	.1366	4.193	56.40	276.3	.1374
#1	.0114	.5237	.0387	.0371	.0031	-.0018	H320.2
#2	.0112	.3212	.0386	.0350	.0073	.0055	H320.8
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7064
Units	ppm
Avge	27.65
SDev	.104
%RSD	.1357
#1	27.65
#2	27.71

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	43362	--	--	--	--	--	--
SDev	59.15114	--	--	--	--	--	--
%RSD	.1364134	--	--	--	--	--	--
#1	43320	--	--	--	--	--	--
#2	43404	--	--	--	--	--	--

Method: ICP4HL Sample Name: A100348-3 Operator: SD
 Run Time: 10/26/00 15:01:11
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	5717	.0020	2.685	.0669	-.0000	H195.2
SDev	.0003	.0052	.0011	.001	.0001	.0000	.4

%RSD	43.34	.5957	56.57	.0534	.1439	57.05	.2082
#1	.0006	.8754	.0027	2.684	.0668	- .0001	H194.9
#2	.0010	.8680	.0012	2.686	.0669	- .0000	H195.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	- .0030	- .1000	- .0040	- .1000	- .0050	- .0010	- .5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	ppm	opm	opm	opm
Avg	.0003	.0010	.0009	.0194	.8782	H637.6	.1552
SDev	.0001	.0002	.0008	.0000	.0082	1.1	.0001
%RSD	24.27	19.65	88.19	.2202	.9329	.1740	.0598
#1	.0004	.0008	.0014	.0194	.8724	H636.8	.1553
#2	.0002	.0011	.0003	.0193	.8840	H638.3	.1551
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	opm
Avg	.0058	.0062	.0066	.0063	.0006	13.49	- .0014
SDev	.0008	.0002	.0001	.0014	.0004	.01	.0004
%RSD	14.45	2.896	2.250	22.67	77.21	.0641	25.02
#1	.0064	.0064	.0065	.0073	.0009	13.49	- .0012
#2	.0052	.0061	.0067	.0053	.0003	13.48	- .0017
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100
Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	ppm	ppm	ppm
Avg	.0059	.2189	.0035	.0078	.0014	- .0002	H1969.
SDev	.0008	.0007	.0045	.0024	.0001	.0007	2.
%RSD	12.82	.3055	125.8	31.28	3.859	386.4	.0778
#1	.0064	.2185	.0067	.0061	.0013	.0003	H1970.
#2	.0054	.2194	.0004	.0096	.0014	- .0007	H1968.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	- .0020	- .0200					- 5000
Elem	K_7664						
Units	opm						
Avg	H255.2						
SDev	.9						
%RSD	.3407						
#1	H255.9						
#2	H254.6						

Errors LC High
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.050	--	--	--	--	--	--
Avge	36392	--	--	--	--	--	--
SDev	35.39125	--	--	--	--	--	--
RRSD	.0972497	--	--	--	--	--	--
#1	36417	--	--	--	--	--	--
#2	36367	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100348-4 Operator: SD
 Run Time: 10/26/00 13:06:30
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.0002	13.55	.0068	2.069	.0819	-1.0004	H166.7
SDev	.0005	.03	.0016	.005	.0003	.0000	1.2
RRSD	236.5	.2571	24.05	.2303	.4313	1.216	6986
#1	.0001	13.57	.0056	2.066	.0821	-1.0004	H165.9
#2	-1.0006	13.52	.0079	2.073	.0816	-1.0004	H167.6

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0036 -1.000 -1.0040 -1.000 -1.0050 -1.0010 -1.5000

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0080	.0353	.0559	16.10	H497.7	5831
SDev	.0001	.0001	.0003	.0004	.09	1.7	.0027
RRSD	12.53	1.125	.8676	.7040	.5388	.3323	.4645
#1	.0007	.0081	.0350	.0562	16.04	H496.5	.5812
#2	.0008	.0080	.0355	.0557	16.17	H498.9	.5850

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC High LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0038	.0379	3.578	.0055	.0011	54.68	-1.0012
SDev	.0007	.0003	.002	.0037	.0004	2.87	.0008
RRSD	18.24	.7006	.0544	67.53	32.32	5.243	64.10
#1	.0053	.0381	3.579	.0079	.0009	52.65	-1.0007
#2	.0043	.0377	3.576	.0082	.0014	56.70	-1.0018

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0359	1.0909	3.1592	3.1570	1.0070	-1.0022	H1665.
SDev	1.0006	1.0013	1.006	1.006	1.0054	1.0021	9.
%RSD	1.1559	1.1460	1.1645	1.1642	77.58	99.19	1.5200

#1	1.0355	1.0899	3.1587	3.1574	1.0032	-1.0006	H1671.
#2	1.0363	1.0918	3.1596	3.1566	1.0108	-1.0037	H1659.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
LOW	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	H204.8
SDev	1.6
%RSD	1.7875

#1	H205.9
#2	H203.7

Errors	LC High
High	50.00
LOW	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	38567	--	--	--	--	--	--
SDev	721.4257	--	--	--	--	--	--
%RSD	1.870577	--	--	--	--	--	--
#1	38057	--	--	--	--	--	--
#2	39077	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100348-3 Operator: SD
 Run Time: 10/26/00 15:11:44
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	8_2496	8a4934	8e3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0070	7.810	1.0061	1.1392	1.0899	-1.0005	H143.6
SDev	1.0003	1.019	1.0005	1.005	1.0003	1.0000	1.7
%RSD	4.589	1.2406	8.090	1.3481	1.5735	1.355	1.183
#1	1.0068	7.797	1.0064	1.1388	1.0896	-1.0005	H144.8
#2	1.0073	7.823	1.0057	1.1395	1.0901	-1.0005	H142.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
LOW	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0076	.0069	.2845	.1987	12.26	H327.0	.3627
SDev	.0001	.0003	.0030	.0014	.08	2.7	.0022
%RSD	.8097	4.324	1.066	.6936	.6673	.8165	.5982
#1	.0075	.0071	.2866	.1978	12.32	H328.9	.3643
#2	.0076	.0067	.2823	.1997	12.20	H325.1	.3612

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0060	.0461	.2595	.0043	.0010	45.84	.0010
SDev	.0003	.0012	.0030	.0017	.0009	.19	.0022
%RSD	4.815	2.661	1.168	39.52	94.87	.4167	222.3
#1	.0058	.0470	.2617	.0031	.0003	45.97	.0025
#2	.0062	.0452	.2574	.0056	.0016	45.70	-.0006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0515	.3415	.2596	.2592	.0038	-.0008	H1221.
SDev	.0006	.0052	.0079	.0006	.0012	.0020	.
%RSD	1.1988	1.530	3.046	.2186	31.70	261.5	.0370
#1	.0519	.3452	.2652	.2596	.0046	-.0022	H1221.
#2	.0511	.3378	.2540	.2588	.0029	.0006	H1222.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	H135.0
SDev	.7
%RSD	.5129

#1	H134.5
#2	H135.5

Errors	LC High
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
MaxLen	371.030	--	--	--	--	--	--

Avge	40461	--	--	--	--	--	--
SDev	377.4264	--	--	--	--	--	--
%RSD	.8092349	--	--	--	--	--	--
#1	40230	--	--	--	--	--	--
#2	40693	--	--	--	--	--	--

Method: ICAP4H; Sample Name: A100348-e Operator: S
 Run Time: 10/26/00 15:16:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	1.533	.0057	.5941	.0755	-.0002	47.25
SDev	.0001	.006	.0012	.0017	.0001	.0000	.09
%RSD	85.92	.3948	21.47	.2811	.1443	7.111	.1949
#1	-.0002	1.538	.0066	.5955	.0754	-.0003	47.32
#2	-.0000	1.529	.0049	.5929	.0756	-.0002	47.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	3.000	3.000	3.000	3.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0024	.0034	.0097	.1511	3.224	H111.7	.2571
SDev	.0001	.0001	.0001	.0007	.002	.1	.0001
%RSD	3.629	2.742	.5499	.4687	.0677	.0826	.0351
#1	.0025	.0034	.0097	.1506	3.225	H111.7	.2571
#2	.0024	.0033	.0097	.1517	3.222	H111.6	.2570

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	3.000	3.000	3.000	3.000	100.0	100.0	3.000
Low	-.0010	-.0020	-.0030	-.0030	-.0500	-.5000	-.0030

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0020	.0182	.0683	.0128	.0027	11.45	-.0014
SDev	.0003	.0001	.0004	.0019	.0016	.08	.0035
%RSD	26.42	.7889	.5514	13.12	60.37	.6678	257.4
#1	.0024	.0183	.0685	.0114	.0038	11.50	.0011
#2	.0017	.0181	.0680	.0142	.0015	11.40	-.0039

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	3.000	3.000	3.000	3.000	3.000	171.0	3.000
Low	-.0030	-.0030	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	1.615	.0664	.0689	.0046	.0013	H651.0
SDev	.0001	.004	.0006	.0009	.0001	.0025	.8
%RSD	.5858	.2515	.9802	1.292	3.277	187.1	1181

#1	.0092	1.618	.0660	.0695	.0045	.0031	H650.4
#2	.0093	1.612	.0669	.0682	.0048	-.0004	H651.5
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge H61.17
 SDev .109
 %RSD .1479

#1 H61.10
 #2 H61.23

Errors	LC High
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Concn	571.030	--	--	--	--	--	--
Range	43754	--	--	--	--	--	--
SDev	15.3436	--	--	--	--	--	--
%RSD	.0350681	--	--	--	--	--	--

#1 43745
 #2 43765

Method: ICP4HI Sample Name: A100348-7 Operator: SD
 Run Time: 10/26/00 15:22:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	2.299	.0052	2.680	.0685	-.0002	H211.9
SDev	.0016	.003	.0018	.017	.0001	.0001	.2
%RSD	373.7	.1423	34.84	.6314	.1349	49.82	.0778
#1	-.0007	2.297	.0039	2.692	.0685	-.0002	H211.8
#2	.0016	2.301	.0065	2.668	.0686	-.0001	H212.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0021	.0051	.0211	2.332	H683.9	4911
SDev	.0003	.0012	.0001	.0011	.039	1.1	.0001
%RSD	39.99	58.31	2.895	5.253	1.652	.1570	.0200

#1 .0005 .0012 .0052 .0203 2.324 H683.2 4910
 #2 .0010 .0029 .0050 .0219 2.339 H684.7 4912

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0055	.0089	.0072	.0071	.0018	20.75	-.0009
SDev	.0003	.0003	.0009	.0018	.0019	.02	.0093
%RSD	4.614	2.856	11.88	24.76	106.0	.0988	988.8

#1	.0057	.0087	.0066	.0083	.0031	20.77	-.0075
#2	.0053	.0091	.0078	.0058	.0004	20.74	.0057

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0092	.1744	.0041	.0084	.0028	.0009	H1959.
SDev	.0001	.0012	.0087	.0056	.0077	.0011	L.
%RSD	1.605	.6906	215.3	66.98	273.5	123.1	.0436

#1	.0091	.1736	.0102	.0044	.0083	.0001	H1960.
#2	.0093	.1753	-.0021	.0124	-.0026	.0016	H1958.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	H250.2
SDev	.6
%RSD	.2397

#1	H250.6
#2	H249.8

Errors	LC High
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WtFien	571.050	--	--	--	--	--	--
e	37299	--	--	--	--	--	--
SDev	4.455325	--	--	--	--	--	--
%RSD	.0119448	--	--	--	--	--	--

#1	37302	--	--	--	--	--	--
#2	37296	--	--	--	--	--	--

Method: ICP4HI Sample Name: BLK A000873GCP1 Operator: SP
 Run Time: 10/26/00 15:27:28
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	-0.0088	-0.0010	0.0034	-0.0000	-0.0002	0.0845
SDev	0.0005	0.0011	0.0003	0.0007	0.0000	0.0000	0.0427
%RSD	223.2	12.86	26.97	21.41	0.4780	4.372	50.61

#1	-0.0004	-0.0080	-0.0008	0.0040	-0.0000	-0.0002	0.1145
#2	0.0001	-0.0096	-0.0012	0.0029	-0.0000	-0.0002	0.0541

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.0000	0.0040	0.0000	0.0050	0.0010	0.5000
Low	-0.0030	-0.0000	-0.0040	-0.0000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	-0.0002	-0.0001	-0.0003	0.0118	0.1960	0.0001
SDev	0.0001	0.0001	0.0000	0.0001	0.0006	0.1180	0.0001
%RSD	139.8	53.64	51.38	31.29	4.896	60.19	135.4

#1	0.0000	-0.0001	-0.0001	-0.0003	0.0114	0.2794	0.0001
#2	0.0002	-0.0003	-0.0001	-0.0002	0.0122	0.1126	0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	-0.0005	0.0012	0.0003	-0.0010	0.1470	-0.0028
SDev	0.0005	0.0002	0.0006	0.0019	0.0019	0.0098	0.0065
%RSD	135.7	29.81	48.34	648.2	201.0	6.649	229.3

#1	-0.0000	-0.0004	0.0017	-0.0011	0.0004	0.1539	0.0018
#2	-0.0008	-0.0007	0.0008	0.0016	-0.0023	0.1401	-0.0074

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	0.0000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.0000	-0.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0070	0.0023	0.0005	0.0039	-0.0037	H2.096
SDev	0.0001	0.0001	0.0015	0.0001	0.0044	0.0007	0.009
%RSD	65.29	1.705	64.66	28.76	110.9	19.59	48.15

#1	0.0000	0.0069	0.0033	0.0006	0.0070	-0.0032	H2.809
#2	0.0001	0.0071	0.0012	0.0004	0.0008	-0.0042	H1.382

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Elem	K_2664
------	--------

Units ppm
 Avge 1.2044
 SDev .10459
 %RSD 21.46

#1 1.2355
 #2 1.1754

Errors LC Pass
 High 1.5000
 Low -.5000

Int.Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47803	--	--	--	--	--	--
SDev	22.2738e	--	--	--	--	--	--
%RSD	.0465948	--	--	--	--	--	--
#1	47819	--	--	--	--	--	--
#2	47788	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100441-3 X2 CA MG1 Operator: SD

Time: 10/26/00 15:32:43

Comment:

Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0011	.1094	.0111	1.232	.0864	-.0003	183.0
SDev	.0001	.0034	.0030	.003	.0000	.0000	.5
%RSD	11.25	3.118	27.40	.2030	.0290	.4733	.2969

#1 -.0012 .1070 .0089 1.230 .0864 -.0003 182.6
 #2 -.0010 .1118 .0132 1.234 .0865 -.0003 183.4

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0020	.0013	.0021	.7629	122.0	2.349
SDev	.0003	.0004	.0005	.0001	.0008	.3	.004
%RSD	88.97	20.54	36.62	2.907	.1116	.2359	.1732

#1 -.0005 .0017 .0017 .0021 .7622 121.8 2.346
 #2 -.0001 .0023 .0010 .0020 .7635 122.2 2.352

Elem	Mo2020	Ni2316	Pb2203	Se2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0087	.0097	.0020	-.0020	-.0043	35.41	.0027
SDev	.0003	.0001	.0029	.0006	.0078	.03	.0075
%RSD	3.901	.6059	142.8	29.33	181.3	.0842	282.7

#1 .0084 .0096 -.0000 -.0016 -.0099 35.38 .0080
 #2 .0089 .0097 .0041 -.0024 .0012 35.43 -.0027

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avgc	.0033	.0198	.0047	.0001	.0095	-.0118	349.6
SDev	.0003	.0003	.0022	.0054	.0056	.0100	.1
%RSD	10.47	1.445	45.97	4177.	38.20	84.06	.0284
#1	.0031	.0196	.0063	-.0037	.0069	-.0189	349.6
#2	.0035	.0200	.0032	.0040	.0121	-.0048	349.7

Elem K_7664
Units ppm
Avgc 14.83
SDev .01
%RSD .0880

#1 14.83
#2 14.83

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	44617	--	--	--	--	--	--
SDev	75.97807	--	--	--	--	--	--
%RSD	.1702877	--	--	--	--	--	--
#1	44673	--	--	--	--	--	--
#2	44564	--	--	--	--	--	--

Method: (CAP4H) Sample Name: A100441-4 X2 Operator: SD
Run Time: 10/26/00 15:37:51
Comment:
Code: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0012	.2115	.0075	1.277	.0832	-.0003	159.3
SDev	.0002	.0020	.0004	.002	.0000	.0000	.3
%RSD	14.58	.9393	5.327	.1867	.0293	5.040	1587
#1	-.0011	.2101	.0077	1.279	.0832	-.0003	159.2
#2	-.0014	.2129	.0072	1.276	.0832	-.0004	159.5

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0001	.0009	.0009	.0016	.8250	109.7	1.988
SDev	.0005	.0001	.0001	.0004	.0062	.1	.001
%RSD	345.5	14.63	16.24	22.97	.7550	.0470	.0735
#1	-.0005	.0008	.0010	.0019	.8294	109.7	1.987
#2	.0002	.0010	.0008	.0014	.8206	109.8	1.989

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0093	.0085	.0013	.0011	-.0009	34.15	.0053
SDev	.0006	.0003	.0002	.0038	.0036	.03	.0025
%RSD	6.872	3.961	15.75	351.5	406.3	.0923	45.07
#1	.0088	.0088	.0011	.0038	-.0035	34.15	.0070

Analysis Report

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#2	.0097	.0083	.0014	-.0016	.0017	34.18	.0037
Elem	V_2924	Zn206Z	Z203/1	Z203/2	1960/1	1960/2	Na330Z
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0033	.0178	.0037	-.0005	.0053	-.0046	353.3
SDev	.0003	.0002	.0022	.0008	.0059	.0025	.5
%RSD	10.24	1.085	59.44	172.5	110.3	54.82	.1437

#1	.0031	.0177	.0022	.0001	.0012	-.0064	353.7
#2	.0035	.0179	.0053	-.0010	.0095	-.0028	353.0

Elem	K_7664
Units	ppm
Avg	13.23
SDev	.02
%RSD	.1566

#1	13.24
#2	13.21

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Chan	571.030	--	--	--	--	--	--
Avg	44850	--	--	--	--	--	--
SDev	19.55040	--	--	--	--	--	--
%RSD	.0435911	--	--	--	--	--	--
#1	44863	--	--	--	--	--	--
#2	44836	--	--	--	--	--	--

Method: ICP4HI Sample Name: 0081 Operator: SD
 Run Time: 10/26/00 15:45:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al308Z	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0234	-.0004	.0025	-.0001	-.0002	.0289
SDev	.0002	.0002	.0005	.0005	.0000	.0000	.0069
%RSD	70.53	6637	118.5	20.90	34.75	10.23	23.83
#1	-.0005	-.0233	-.0007	.0021	-.0001	-.0002	.0338
#2	-.0002	-.0235	-.0001	.0028	-.0001	-.0002	.0241

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0001	-.0000	.0002	.0113	.0274	.0002
SDev	.0002	.0001	.0001	.0002	.0022	.0027	.0001
%RSD	132.7	232.7	4646	128.0	19.75	9.721	33.22

#1	.0000	-.0000	-.0001	.0000	.0098	.0293	.0002
#2	.0002	.0000	.0000	.0002	.0110	.0265	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0004	1.0001	1.0009	1.0019	1.0027	1.0033	1.0001
SDev	1.0001	1.0004	1.0011	1.0031	1.0011	1.0018	1.0003
%RSD	13.87	593.3	121.2	158.6	38.37	33.69	203.8
#1	1.0003	1.0004	1.0001	1.0041	1.0035	1.0066	1.0003
#2	1.0004	1.0002	1.0017	1.0002	1.0020	1.0041	1.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.1000	1.0100
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.1000	-1.0100

Elem	V_2974	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0001	1.0002	1.0001	1.0010	1.0024	1.0056	1.3163
SDev	1.0002	1.0001	1.0004	1.0014	1.0026	1.0003	1.1912
%RSD	206.3	61.93	349.4	137.7	106.3	5.008	60.41
#1	1.0003	1.0001	1.0002	1.0000	1.0006	1.0058	1.1813
#2	1.0000	1.0003	1.0004	1.0020	1.0043	1.0054	1.4517

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	1.1219
SDev	1.0235
%RSD	19.73

#1	1.1053
#2	1.1385

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	5711.030	--	--	--	--	--	--
e	46539	--	--	--	--	--	--
SDev	12.12578	--	--	--	--	--	--
%RSD	1.0260549	--	--	--	--	--	--

#1	46548	--	--	--	--	--	--
#2	46551	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCV4

Operator: SD

Run Time: 10/26/00 15:48:28

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	Sr2496	Ba4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5100	1.0217	2.564	2.350	2.402	H2.632	1.0143
SDev	1.0003	1.0018	1.015	1.008	1.002	1.002	1.0015
RRSD	1.0630	8.141	1.5683	1.3269	1.1004	1.0890	10.80
#1	1.5098	1.0229	2.554	2.345	2.404	H2.630	1.0132
#2	1.5102	1.0204	2.574	2.356	2.401	H2.634	1.0154
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC High	NOCHECK
High	1.5250		2.625	2.750	2.625	2.625	
Low	1.4750		2.375	2.250	2.375	2.375	
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.627	H2.629	H2.664	2.391	1.5946	1.0036	2.616
SDev	1.007	1.003	1.003	1.007	1.0045	1.0042	1.003
RRSD	1.2662	1.0995	1.866	1.0748	1.7560	115.7	1.039
#1	2.622	H2.627	H2.660	2.392	1.5914	1.0007	2.614
#2	H2.632	H2.631	H2.667	2.389	1.5977	1.0066	2.618
Errors	LC High	LC High	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.610	2.543	2.620	2.519	2.510	1.2341	2.567
SDev	1.029	1.006	1.004	1.015	1.032	1.0040	1.002
RRSD	1.122	1.2183	1.347	1.132	1.285	1.723	1.0796
#1	2.589	2.539	2.617	2.508	2.488	1.2369	2.566
#2	H2.631	2.546	2.622	2.530	2.533	1.2312	2.569
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.561	H2.822	2.625	2.617	2.482	2.524	49.19
SDev	1.001	1.004	1.004	1.008	1.021	1.038	1.03
RRSD	1.0443	1.376	1.688	1.2869	1.8405	1.503	1.0584
#1	2.560	H2.819	2.628	2.612	2.467	2.497	49.22
#2	2.562	H2.824	2.622	2.622	2.497	2.551	49.17
Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					32.70
Low	2.375	2.375					47.50
Elem	K_7664						

Units ppm
 Avge 24.21
 SDev 1.05
 SRSD 1.1897

#1 24.24
 #2 24.18

Errors LC Pass
 High 26.25
 Low 23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	45585	--	--	--	--	--	--
SDev	66.57300	--	--	--	--	--	--
SRSD	1.1460450	--	--	--	--	--	--
#1	45637	--	--	--	--	--	--
#2	45537	--	--	--	--	--	--

Mode: ICP4RI Sample Name: CCV5 Operator: SD
 Run Time: 10/26/00 15:53:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0002	49.14	1.0081	1.0092	1.0009	1.0003	H53.96
SDev	1.0001	.04	1.0038	1.0014	1.0003	1.0002	.08
SRSD	55.89	1.0784	46.76	14.82	30.84	71.89	1.1559
#1	1.0001	49.16	1.0108	1.0102	1.0007	1.0005	H54.02
#2	1.0002	49.11	1.0054	1.0082	1.0010	1.0002	H53.90

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC High
 High 52.50 52.50 52.50
 Low 47.50 47.50 47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0015	1.0008	1.0052	1.0008	H52.51	52.14	1.0033
SDev	1.0003	1.0004	1.0006	1.0005	.04	.04	1.0003
SRSD	22.21	52.95	10.74	60.77	1.0688	1.0846	8.083
#1	1.0017	1.0010	1.0058	1.0011	H52.54	52.17	1.0038
#2	1.0013	1.0005	1.0048	1.0004	52.49	52.11	1.0031

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC High LC Pass NOCHECK
 High 52.50 52.50
 Low 47.50 47.50

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0237	1.0034	1.0007	1.0051	1.0325	86.96	1.0075

SDev	.0083	.0002	.0002	.0003	.0140	.02	.0029
%RSD	34.89	5.067	28.69	5.874	42.72	.0200	38.43
#1	.0295	.0035	.0008	.0053	.0427	86.97	-.0095
#2	.0178	.0033	.0005	.0049	.0229	86.95	-.0054

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK IC Pass NOCHECK
 High 94.00
 Low 77.00

Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0020	.0023	.0197	-.0091	.0361	.0309	.1345
SDev	.0006	.0003	.0015	.0005	.0066	.0177	.0442
%RSD	28.66	10.69	7.867	5.661	18.43	57.38	32.85

#1	.0024	.0025	.0208	-.0095	.0408	.0434	.1658
#2	.0016	.0021	.0186	-.0088	.0314	.0183	.1033

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	K_7664
Units	ppm
Avgc	.1064
SDev	.0073
%RSD	6.831

#1	.1115
#2	.1012

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avgc	45005	---	---	---	---	---	---
SDev	23.01412	---	---	---	---	---	---
%RSD	.0511373	---	---	---	---	---	---
#1	44985	---	---	---	---	---	---
#2	45021	---	---	---	---	---	---

Method: ICP4HI Sample Name: CCB1 Operator: SD
 Run Time: 10/26/00 13:58:50
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Hg3280	As1582	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0003	-.0073	.0017	.0025	.0001	.0000	.0150
SDev	.0000	.0060	.0018	.0003	.0000	.0000	.0043

%RSD	5.467	82.06	101.9	14.11	5.205	268.7	28.75
#1	-.0002	-.0030	.0005	.0023	.0001	-.0000	.0180
#2	-.0003	-.0115	.0029	.0028	.0001	.0000	.0119
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0002	.0001	.0002	.0292	.0180	.0000
SDev	.0000	.0002	.0001	.0000	.0124	.0026	.0000
%RSD	1.462	128.9	94.49	7.617	42.27	14.23	.6629
#1	.0004	.0003	.0000	.0002	.0380	.0198	.0000
#2	.0004	.0000	.0001	.0002	.0205	.0162	.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0061	.0003	.0010	.0047	.0057	.0434	-.0010
SDev	.0010	.0004	.0009	.0007	.0034	.0200	.0008
%RSD	15.94	145.9	90.98	15.18	60.47	46.20	86.23
#1	H.0068	.0005	.0016	.0042	.0081	.0576	-.0016
#2	H.0054	-.0000	.0004	.0052	.0032	.0292	-.0004
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0003	.0001	.0012	.0057	.0054	.2240
SDev	.0001	.0001	.0019	.0004	.0012	.0045	.0959
%RSD	12.13	17.97	3457.	35.38	21.92	84.02	42.81
#1	.0005	.0003	.0014	.0015	.0065	.0086	.1562
#2	.0004	.0004	-.0013	.0009	.0048	.0022	.2918
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	.0902						
SDev	.0104						
%RSD	11.50						
#1	.0975						
#2	.0829						

Errors LC Pass
High 15000
Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--
Avgc	46223	--	--	--	--	--	--
SDev	12.87155	--	--	--	--	--	--
SRSD	.0278464	--	--	--	--	--	--
#1	46233	--	--	--	--	--	--
#2	46214	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100260-2-50 87LICPL Operator: SD
 Run Time: 10/26/00 16:04:10
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba5130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0003	1.0112	1.0029	1.0017	1.0005	1.0001	1.0315
SDev	1.0002	1.0001	1.0015	1.0002	1.0000	1.0000	1.0000
SRSD	70.77	1.095	32.49	13.63	3.925	2.682	1.363
#1	1.0004	1.0112	1.0018	1.0015	1.0003	1.0001	1.0315
#2	1.0001	1.0111	1.0039	1.0019	1.0005	1.0001	1.0314

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 3.000 3.000 3.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0030 -1.0010 -1.5000

Elem	Ca2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0002	1.0000	1.0003	1.0014	1.0109	1.0092	1.0002
SDev	1.0000	1.0000	1.0003	1.0001	1.0046	1.0001	1.0000
SRSD	19.23	2.279	89.99	10.25	42.59	1.179	20.07
#1	1.0001	1.0000	1.0003	1.0013	1.0142	1.0092	1.0001
#2	1.0002	1.0000	1.0001	1.0013	1.0076	1.0091	1.0002

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 3.000 3.000 3.000 3.000 100.0 100.0 3.000
 Low -1.0010 -1.0020 -1.0030 -1.0030 -1.0500 -1.5000 -1.0030

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0031	1.0001	1.0007	1.0015	1.0019	1.0262	1.0047
SDev	1.0001	1.0004	1.0007	1.0003	1.0014	1.0005	1.0034
SRSD	4.645	480.5	90.19	37.20	73.34	1.892	114.0
#1	1.0032	1.0004	1.0012	1.0018	1.0028	1.0263	1.0009
#2	1.0030	1.0002	1.0003	1.0011	1.0009	1.0258	1.0086

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 3.000 3.000 3.000 3.000 3.000 3.000 3.000
 Low -1.0000 -1.0000 -1.0000 -1.0000 -1.0000 -1.0000 -1.0000

LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0002	.0047	.0005	.0006	.0043	.0004	.185e
SDev	.0003	.0001	.0009	.0014	.0004	.0023	.0625
%RSD	114.3	2.608	193.3	241.1	10.58	634.6	33.67
#1	.0000	.0043	-.0002	.0016	.0040	.0020	.1414
#2	.0004	.0041	.0011	-.0004	.0046	-.0012	.2298
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avgc	.1234
SDev	.0148
%RSD	12.00

#1	.1129
#2	.1339

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avgc	47754	--	--	--	--	--	--
SDev	44.30190	--	--	--	--	--	--
%RSD	.0927707	--	--	--	--	--	--
#1	4778e	--	--	--	--	--	--
#2	47723	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100260-2-L1 3005 Operator: SD
 Run Time: 10/26/00 16:09:24
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0430	1.860	.1033	.9475	.0967	.0105	19.60
SDev	.0000	.0000	.0004	.0008	.0000	.0000	.00
%RSD	.0777	.0078	.3560	.0844	.0075	.0598	.0000
#1	.0430	1.860	.1035	.9481	.0967	.0105	19.60
#2	.0430	1.860	.1030	.9470	.0967	.0105	19.60

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Analysis Report

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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	.0107	.1033	.0423	.0613	.9818	19.07	.0423
SDev	.0001	.0002	.0004	.0001	.0079	.01	.0001
%RSD	1.117	.1888	1.056	.1988	.8004	.0284	.2049
#1	.0108	.1034	.0426	.0612	.9762	19.07	.0423
#2	.0106	.1032	.0420	.0614	.9873	19.07	.0424

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.3000	-1.0050

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	.0976	.1350	.1048	.0049	.0929	.1773	.0993
SDev	.0026	.0003	.0001	.0018	.0051	.0021	.0035
%RSD	2.686	.2504	.1154	37.17	5.485	1.160	3.500
#1	.0958	.1348	.1047	.0036	.0893	.1758	.1018
#2	.0993	.1353	.1049	.0061	.0965	.1787	.0969

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	opm	opm	opm	opm	ppm	ppm	opm
Avgc	.0410	.1320	.1057	.1041	.0948	.0916	19.57
SDev	.0001	.0001	.0010	.0007	.0026	.0064	.04
%RSD	.1632	.1033	.9296	.6472	2.685	6.952	.2073
#1	.0410	.1321	.1064	.1036	.0930	.0871	19.60
#2	.0409	.1319	.1050	.1045	.0966	.0961	19.55

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.3000

Elem	K_7664
Units	opm
Avgc	18.13
SDev	.02
%RSD	.0973

#1	18.14
#2	18.12

Errors	LC Pass
High	50.00
Low	-1.3000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
MaxLen	371.050	--	--	--	--	--	--

AVge	46597	--	--	--	--	--	--
SDev	78.70154	--	--	--	--	--	--
%RSD	1688974	--	--	--	--	--	--
#1	46542	--	--	--	--	--	--
#2	46655	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100260-2-L2 AS1 Operator: SD
 Run Time: 10/26/00 16:14:38
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0433	1.853	1.015	1.9428	1.0966	1.0105	19.63
SDev	1.0002	1.000	1.0025	1.0009	1.0001	1.0000	1.02
%RSD	1.3728	1.0183	2.471	1.0998	1.0681	1.0362	1.0875
#1	1.0434	1.853	1.0997	1.9421	1.0966	1.0105	19.64
#2	1.0432	1.854	1.033	1.9434	1.0967	1.0105	19.62

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	3.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0030	-1.0010	-1.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0106	1.1033	1.0423	1.0402	1.9777	19.09	1.0421
SDev	1.0002	1.0001	1.0000	1.0001	1.0034	1.01	1.0001
%RSD	1.962	1.010	1.0195	1.470	1.3448	1.0318	1.1913
#1	1.0104	1.1034	1.0423	1.0401	1.9801	19.09	1.0420
#2	1.0107	1.1033	1.0423	1.0402	1.9753	19.08	1.0421

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0030	-1.0030	-1.0500	-1.5000	-1.0030

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.001	1.003	1.038	1.0017	1.0981	1.1669	1.0974
SDev	1.0020	1.0008	1.0017	1.0004	1.0024	1.0005	1.0007
%RSD	1.990	1.7894	1.635	24.49	2.428	1.2810	1.7408
#1	1.0987	1.1009	1.1050	1.0014	1.0964	1.1672	1.0979
#2	1.015	1.0998	1.1026	1.0020	1.0997	1.1666	1.0969

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0030	-1.0030	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0411	1.1193	1.1054	1.1026	1.1032	1.0952	19.65
SDev	1.0002	1.0007	1.0019	1.0016	1.0001	1.0036	1.09
%RSD	4.507	1.1624	1.825	1.543	1.216	3.817	4648

#1	.0412	.1194	.1067	.1039	.1033	.0926	19.72
#2	.0409	.1192	.1040	.1016	.1031	.0978	19.59
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 18.09
 SDev .02
 %RSD .1289

#1 18.11
 #2 18.08

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
K Len	371.030	--	--	--	--	--	--
Angle	46607	--	--	--	--	--	--
SDev	86.1261e	--	--	--	--	--	--
%RSD	.1847907	--	--	--	--	--	--

#1 4654e -- -- -- -- --
 #2 46668 -- -- -- -- --

Method: ICP4HJ Sample Name: A100260-2 Operator: SD
 Run Time: 10/26/00 16:19:52
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0006	-.0035	.0167	.2527	.2924	-.0002	56.33
SDev	.0000	.0010	.0019	.0009	.0001	.0000	.05
%RSD	6.397	27.20	11.03	.3568	.0207	.1960	.0827

#1 -.0006 -.0042 .0154 .2533 .2924 -.0002 56.36
 #2 -.0006 -.0028 .0180 .2520 .2925 -.0002 56.29

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2263	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0002	-.0002	.0005	-.0123	13.53	.1657
SDev	.0000	.0002	.0001	.0001	.0006	.01	.0000
%RSD	6.070	90.02	36.89	29.38	4.785	.0945	.0033

#1 -.0003 -.0004 -.0001 .0004 -.0118 13.54 .1656
 #2 -.0003 -.0001 -.0002 .0004 -.0127 13.52 .1687

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	ppm	opm	ppm	opm	ppm	opm
Avge	.0065	.0008	- .0001	.0007	.0059	48.98	- .0021
SDev	.0005	.0004	.0011	.0004	.0024	.01	.0031
%RSD	7.971	55.29	809.5	61.81	40.18	.0193	150.8

#1	.0069	.0011	.0006	.0010	.0076	48.99	- .0042
#2	.0062	.0005	- .0009	.0004	.0042	48.98	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	ppm	opm	opm	opm	opm	ppm
Avge	.0296	.0042	.0005	- .0007	.0063	.0054	53.67
SDev	.0000	.0001	.0022	.0006	.0015	.0029	.08
%RSD	.0756	2.028	455.3	78.97	23.42	52.71	.1579
#1	.0296	.0042	.0020	- .0003	.0074	.0074	53.73
#2	.0296	.0043	- .0011	- .0011	.0053	.0034	53.61

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000

Elem	K_7664
Units	opm
Avge	4.999
SDev	.007
%RSD	.1435

#1	5.004
#2	4.994

Errors	LC Pass
High	50.00
Low	- .5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Area	45864	--	--	--	--	--	--
SDev	34.15381	--	--	--	--	--	--
%RSD	.0744676	--	--	--	--	--	--

#1	45840
#2	45888

Method: ICP4HI Sample Name: A100260-2-S1 Operator: SP
 Run Time: 10/26/00 16:25:07
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0439	1.885	1.184	1.220	1.3874	1.0105	75.16
SDev	1.0000	1.000	1.0000	1.003	1.0001	1.0000	1.02
%RSD	1.0250	0.013	1.0068	1.2538	1.0296	1.0008	1.0216
#1	1.0439	1.885	1.184	1.218	1.3875	1.0105	75.17
#2	1.0439	1.885	1.184	1.222	1.3874	1.0105	75.15
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0103	1.1024	1.0420	1.0395	1.9573	32.80	1.2107
SDev	1.0002	1.0003	1.0002	1.0001	1.0037	1.02	1.0001
%RSD	2.1669	1.2870	1.4758	1.1496	1.3892	1.0612	1.0606
#1	1.0105	1.1022	1.0421	1.0394	1.9547	32.81	1.2108
#2	1.0102	1.1026	1.0418	1.0395	1.9600	32.78	1.2106
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.016	1.0993	1.1032	1.0042	1.0964	49.22	1.0937
SDev	1.0034	1.0006	1.0003	1.0016	1.0044	1.04	1.0053
%RSD	5.338	1.6204	1.2745	37.141	4.353	0.802	5.661
#1	1.0992	1.0989	1.1034	1.0031	1.0933	49.25	1.0899
#2	1.040	1.0997	1.1030	1.0053	1.0995	49.19	1.0974
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0705	1.1151	1.1039	1.1025	1.0962	1.0961	73.82
SDev	1.0002	1.0003	1.0020	1.0006	1.0037	1.0048	1.06
%RSD	2.315	1.2340	1.919	1.5383	3.886	4.976	1.0746
#1	1.0706	1.1153	1.1053	1.1021	1.0935	1.0927	73.86
#2	1.0704	1.1149	1.1025	1.1029	1.0988	1.0995	73.78
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	X_7664						

Units ppm
 Avge 25.44
 SDev .104
 KRSD .1453

#1 25.47
 #2 25.42

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.036	--	--	--	--	--	--
Avge	45639	--	--	--	--	--	--
SDev	34.64825	--	--	--	--	--	--
KRSD	.0759175	--	--	--	--	--	--
#1	45615	--	--	--	--	--	--
#2	45664	--	--	--	--	--	--

Code: ICP4HT Sample Name: A100260-2-82 Operator: SD
 Run Time: 10/26/00 16:30:23
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4954	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0436	1.909	.1214	1.235	.3857	.0106	75.13
SDev	.0002	.004	.0002	.004	.0004	.0000	.18
KRSD	.4969	.2064	.1470	.2864	.1037	.1011	.2420

#1 .0434 1.906 .1212 1.233 .3860 .0106 75.00
 #2 .0437 1.911 .1215 1.235 .3854 .0106 75.25

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0050 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0103	.1030	.0423	.0410	.9621	32.88	.2044
SDev	.0001	.0002	.0002	.0001	.0049	.05	.0002
KRSD	.9528	.1589	.3746	.1192	.5105	.1373	.1107

#1 .0102 .1029 .0424 .0409 .9586 32.85 .2042
 #2 .0104 .1031 .0422 .0410 .9656 32.91 .2045

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2205	Sb2065	Se1960	Si2881	Ti1905
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.046	.1015	.041	.0032	.1019	49.01	.0946

SDev	.0020	.0008	.0000	.0014	.0015	.003	.0005
%RSD	1.914	.8180	.0288	43.65	1.506	.0446	.5074
#1	.1032	.1009	.1041	.0022	.1008	48.99	.0942
#2	.1060	.1021	.1041	.0042	.1030	49.03	.0949

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Z203/1	Z203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0704	.1168	.1060	.1028	.1038	.1007	73.43
SDev	.0001	.0003	.0014	.0007	.0014	.0030	.00
%RSD	.0647	.2898	1.277	.7012	1.368	2.993	.0051

#1	.0703	.1166	.1050	.1033	.1048	.0985	73.44
#2	.0704	.1170	.1069	.1023	.1028	.1028	73.43

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avgc	25.51
SDev	.04
%RSD	.1751

#1	25.54
#2	25.48

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avgc	46103	--	--	--	--	--	--
SDev	43.06170	--	--	--	--	--	--
%RSD	.0934038	--	--	--	--	--	--
#1	46077	--	--	--	--	--	--
#2	46133	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100260-6 Operator: SD
 Run Time: 10/26/00 16:35:36
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Hg3280	Al3082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0003	.0105	.0160	.2579	.2986	-.0002	56.60
SDev	.0001	.0007	.0008	.0011	.0001	.0005	.02

%RSD	38.57	6.642	4.900	.4364	.0287	10.17	.0307
#1	-.0002	.0110	.0166	.2587	.2986	-.0002	56.59
#2	-.0004	.0100	.0155	.2571	.2987	-.0002	56.61
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0050	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0002	-.0001	.0018	-.0099	13.59	.2899
SDev	.0000	.0001	.0001	.0000	.0034	.00	.0002
%RSD	22.28	50.14	93.26	1.284	34.34	.0019	.0693
#1	-.0001	-.0001	-.0000	.0018	-.0075	13.59	.2897
#2	-.0002	-.0003	-.0002	.0018	-.0123	13.59	.2900
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	.0011	.0006	.0035	.0082	48.60	-.0016
SDev	.0002	.0001	.0001	.0013	.0007	.17	.0025
%RSD	3.735	8.862	20.80	36.49	8.429	.3473	156.3
#1	.0053	.0011	.0007	.0026	.0077	48.48	.0002
#2	.0056	.0010	.0005	.0044	.0087	48.72	-.0034
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1000	-.0100
Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0303	.0050	.0013	.0000	.0076	.0082	53.94
SDev	.0001	.0004	.0022	.0009	.0021	.0000	.02
%RSD	.2765	7.706	164.5	9415.	27.53	.0968	.0421
#1	.0303	.0047	.0029	-.0006	.0061	.0082	53.96
#2	.0307	.0053	-.0002	.0007	.0091	.0082	53.93
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	5.059						
SDev	.011						
%RSD	.223e						
#1	5.059						
#2	5.045						

Analysis Report

10/26/00 04:40:45 PM

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Errors LC Pass
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.050	--	--	--	--	--	--
Avgc	46100	--	--	--	--	--	--
SDev	19.05874	--	--	--	--	--	--
RRSD	.0413421	--	--	--	--	--	--
#1	46057	--	--	--	--	--	--
#2	46114	--	--	--	--	--	--

Method: ICP4HJ Sample Name: A100260-13 Operator: SD
 Run Time: 10/26/00 16:40:53
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag5280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0004	.0045	.0171	.4272	.2584	-1.0002	52.80
SDev	.0004	.0002	.0014	.0004	.0000	.0000	.00
RRSD	94.39	3.782	8.170	.0998	.0152	3.557	.0073
#1	-1.0001	.0046	.0161	.4275	.2584	-1.0002	52.80
#2	-1.0007	.0044	.0181	.4269	.2584	-1.0002	52.80

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0006	-1.0000	.0007	.0010	-1.0200	16.31	.1117
SDev	.0000	.0000	.0001	.0001	.0039	.00	.0000
RRSD	.5438	5.838	10.15	9.498	19.46	.0239	.0117
#1	.0006	-1.0000	.0006	.0011	-1.0227	16.31	.1117
#2	.0006	-1.0000	.0007	.0010	-1.0172	16.31	.1117

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0056	.0020	.0000	.0018	.0054	51.71	-1.0044
SDev	.0009	.0009	.0007	.0017	.0019	.00	.0025
RRSD	16.02	43.25	1400.	94.91	35.11	.1103	56.56
#1	.0062	.0014	-1.0004	.0006	.0068	51.75	-1.0026
#2	.0049	.0026	.0005	.0030	.0041	51.67	-1.0061

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0372	1.0071	-1.0016	1.0006	1.0075	1.0041	90.77
SDev	1.0003	1.0002	1.0007	1.0014	1.0010	1.0033	1.26
%RSD	1.7644	2.532	45.48	232.6	15.37	82.18	1.2873

#1	1.0374	1.0070	-1.0011	-1.0004	1.0068	1.0064	90.95
#2	1.0370	1.0073	-1.0021	1.0016	1.0082	1.0017	90.58

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	5.628
SDev	0.12
%RSD	1.2060

#1	5.636
#2	5.619

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	46281	--	--	--	--	--	--
SDev	150.7187	--	--	--	--	--	--
%RSD	1.3256598	--	--	--	--	--	--
#1	46174	--	--	--	--	--	--
#2	46388	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100260-14 Operator: SD
 Run Time: 10/26/00 16:46:07
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0004	1.0043	1.0203	1.4316	1.2635	-1.0002	53.23
SDev	1.0002	1.0007	1.0002	1.0004	1.0001	1.0000	1.01
%RSD	57.17	16.30	1.9054	1.0906	1.0479	2.399	1.0251
#1	-1.0002	1.0038	1.0205	1.4315	1.2634	-1.0002	53.25
#2	-1.0005	1.0048	1.0202	1.4318	1.2636	-1.0002	53.22
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0001	0.0006	0.0010	-0.0177	16.45	0.1448
SDev	0.0000	0.0001	0.0001	0.0001	0.0030	0.00	0.0001
%RSD	18.56	223.0	17.20	15.88	16.97	0.0067	0.0643
#1	-0.0002	-0.0002	0.0005	0.0011	-0.0156	16.44	0.1448
#2	-0.0002	0.0000	0.0006	0.0009	-0.0198	16.45	0.1447

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-5.000	-0.0050

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0044	0.0013	0.0009	0.0014	0.0036	52.13	-0.0022
SDev	0.0002	0.0001	0.0003	0.0025	0.0008	0.01	0.0017
%RSD	4.660	4.234	34.81	184.8	23.10	0.0142	75.84
#1	0.0043	0.0013	0.0011	0.0032	0.0030	52.12	-0.0034
#2	0.0046	0.0012	0.0007	-0.0004	0.0042	52.14	-0.0010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-1.000	-0.0100

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0378	0.0070	0.0004	0.0009	0.0064	0.0020	91.15
SDev	0.0005	0.0007	0.0007	0.0008	0.0021	0.0002	0.11
%RSD	1.345	10.58	200.9	88.61	33.49	9.729	0.1220
#1	0.0374	0.0075	-0.0001	0.0015	0.0049	0.0018	91.07
#2	0.0381	0.0065	0.0009	0.0004	0.0079	0.0021	91.22

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-0.0020	-0.0200					-0.0000

Elem	k_7664
Units	ppm
Avg	5.629
SDev	0.012
%RSD	0.2218

#1	5.620
#2	5.638

Errors	LC Pass
High	50.00
Low	-0.0000

IntSta	1	2	3	4	5	6	7
mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--

Avge	46297	--	--	--	--	--	--
SDev	21.28502	--	--	--	--	--	--
%RSD	.0459750	--	--	--	--	--	--
#1	46312	--	--	--	--	--	--
#2	46280	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100260-15 Operator: S

Run Time: 10/26/00 16:51:23

Comment:

Mode: GUNO Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0014	.0168	.2465	.1250	-.0002	43.81
SDev	.0001	.0012	.0016	.0001	.0000	.0000	.03
%RSD	19.36	86.77	9.833	.0190	.0285	3.004	.0595

#1	-.0003	.0023	.0180	.2465	.1251	-.0002	43.85
#2	-.0005	.0005	.0157	.2466	.1250	-.0002	43.80

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0003	.0045	.0001	-.0102	12.40	.0005
SDev	.0001	.0003	.0000	.0002	.0051	.01	.0001
%RSD	26.85	90.17	.9703	160.7	50.69	.0580	13.90

#1	-.0003	-.0001	.0045	.0002	-.0065	12.40	.0005
#2	-.0002	-.0005	.0045	-.0000	-.0138	12.39	.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	.0007	.0004	.0039	.0018	52.41	-.0011
SDev	.0005	.0004	.0000	.0010	.0039	.03	.0050
%RSD	33.71	55.24	11.56	25.50	213.9	.0663	460.2

#1	.0017	.0010	.0004	.0046	-.0009	52.44	.0024
#2	.0010	.0004	.0004	.0032	.0046	52.39	-.0046

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Y96071	Y96072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0467	.0045	.0013	-.0003	.0044	.0002	44.16
SDev	.0000	.0002	.0002	.0000	.0036	.0040	.03
%RSD	.0791	4.513	12.99	5.523	80.24	2003.	.1218

Analysis Report

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#1	.0468	.0044	.0014	-.0003	.0019	-.0026	44.20
#2	.0467	.0046	.0012	-.0003	.0069	.0030	44.12
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_76e4
 units ppm
 Avge 4.046
 SDev .002
 %RSD .0372

#1 4.047
 #2 4.045

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
len	371.030	--	--	--	--	--	--
Avge	46434	--	--	--	--	--	--
SDev	35.14265	--	--	--	--	--	--
%RSD	.0756833	--	--	--	--	--	--

#1 46409
 #2 46459

Method: ICAP4HI Sample Name: CCB1 Operator: SD

Run Time: 10/26/00 16:56:37

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0070	.0011	.0012	-.0000	-.0002	.0170
SDev	.00004	.00021	.0007	.0005	.0000	.0000	.0021
%RSD	157.8	29.47	61.83	41.87	30.47	5.134	12.54

#1 -.0005
 #2 .0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	-.0001	.0000	-.0010	.0012	.0065	-.0001
SDev	.0002	.0002	.0003	.0003	.0066	.0017	.0000
%RSD	497.6	214.8	290.7	4.835	552.3	26.23	22.04

#1 -.0003
 #2 -.0002

errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	.0000	-.0004	-.0001	.0038	.0019	.0242	-.0023
SDev	.0013	.0005	.0009	.0045	.0012	.0067	.0017
%RSD	3481.	127.5	1267.	120.1	62.34	27.61	71.82

#1	.0010	-.0007	.0006	.0006	.0011	.0290	-.0011
#2	-.0009	-.0000	-.0007	.0070	.0028	.0195	-.0035

errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0050	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	-.0001	.0004	-.0002	-.0003	.0052	-.0000	.1639
SDev	.0002	.0001	.0001	.0013	.0022	.0007	.0051
%RSD	236.0	32.10	64.72	447.8	42.65	1796.	3.113

#1	.0000	.0005	-.0001	.0006	.0036	-.0005	.1603
#2	-.0002	.0003	-.0002	-.0012	.0068	.0004	.1675

errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	opm
Avgc	.1041
SDev	.0164
%RSD	15.76

#1	.1157
#2	.0925

errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Concen	371.050	--	--	--	--	--	--
ave	46310	--	--	--	--	--	--
SDev	27.22361	--	--	--	--	--	--
%RSD	.0587857	--	--	--	--	--	--

#1	46329	--	--	--	--	--	--
#2	46291	--	--	--	--	--	--

Method: ICP4HI Sample Name: 00V6
 Run Time: 10/26/00 17:01:50
 Comment:
 Code: 00NC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4954	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5085	1.0050	2.362	2.435	2.394	2.615	1.0093
Stdev	1.0002	1.0016	1.008	1.002	1.004	1.002	1.0007
RRSD	1.0347	32.32	1.3255	1.0854	1.1870	1.0910	7.552
#1	1.5089	1.0039	2.557	2.437	2.391	2.620	1.0088
#2	1.5087	1.0062	2.565	2.440	2.397	2.617	1.0098
Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	1.5250		2.625	2.750	2.625	2.625	
Low	1.4750		2.375	2.250	2.375	2.375	
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.645	2.616	H2.655	2.402	1.5863	1.0000	2.604
Stdev	1.004	1.004	1.007	1.006	1.0038	1.0035	1.002
RRSD	1.1379	1.1459	1.0834	1.2405	1.6550	8874.	1.0724
#1	H2.647	2.619	H2.657	2.397	1.5890	1.0024	2.605
#2	H2.642	2.613	H2.654	2.406	1.5836	1.0025	2.602
Errors	LC High	LC Pass	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375
Elem	Mo2070	Ni2316	Pb2203	Sb2065	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.597	2.602	H2.628	2.522	2.526	1.2409	2.552
Stdev	1.022	1.004	1.009	1.004	1.017	1.0060	1.018
RRSD	1.8582	1.1687	1.3373	1.1758	1.6752	2.487	1.6986
#1	2.581	2.605	H2.634	2.519	2.514	1.2451	2.540
#2	2.612	2.599	2.622	2.525	2.538	1.2366	2.565
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375
Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.559	H2.812	2.596	2.644	2.485	2.546	48.84
Stdev	1.000	1.011	1.000	1.013	1.010	1.021	1.01
RRSD	1.0023	1.3892	1.0021	1.5040	1.3850	1.8169	1.0190
#1	2.559	H2.819	2.596	2.653	2.478	2.531	48.85
#2	2.559	H2.804	2.596	2.634	2.492	2.561	48.83
Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Units ppm
 Avge 24.29
 SDev .07
 KRSD .0993

#1 24.27
 #2 24.31

Errors LC Pass
 High 26.25
 Low 23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avge	45650	--	--	--	--	--	--
SDev	15.83809	--	--	--	--	--	--
KRSD	.0346945	--	--	--	--	--	--
#1	45661	--	--	--	--	--	--
#2	45639	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCV7
 Run Time: 10/26/00 17:07:04
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	48.77	.0119	.0091	- .0008	.0004	H53.54
SDev	.0001	.04	.0054	.0008	.0003	.0003	.01
KRSD	61.55	.0787	45.26	8.905	33.51	73.70	.0155

#1 .0001 48.80 .0158 .0097 - .0006 .0006 H53.53
 #2 .0002 48.74 .0081 .0086 - .0010 .0002 H53.55

Errors NOCHECK LC Pass NOCHECK NOCHECK NOCHECK NOCHECK LC High
 High 52.50 52.50
 Low 47.50 47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0009	.0053	- .0001	52.16	51.78	.0033
SDev	.0002	.0003	.0005	.0002	.02	.00	.0003
KRSD	19.50	33.06	9.796	187.4	.0425	.0012	8.131

#1 .0012 .0012 .0056 .0000 52.15 51.79 .0035
 #2 .0009 .0007 .0049 - .0002 52.18 51.78 .0031

Errors NOCHECK NOCHECK NOCHECK NOCHECK LC Pass LC Pass NOCHECK
 High 52.50 52.50
 Low 47.50 47.50

Elem	Mn2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0231	.0036	.0015	.0067	.0276	86.96	- .0071

SDev	.0079	.0001	.0001	.0009	.0098	.04	.0040
%RSD	34.11	1.986	3.801	12.73	35.60	.0482	56.21
#1	.0286	.0035	.0014	.0061	.0346	86.94	-.0043
#2	.0175	.0036	.0015	.0073	.0207	86.99	-.0099

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0023	.0027	.0201	-.0081	.0322	.0230	.1646
SDev	.0001	.0003	.0000	.0001	.0124	.0085	.0020
%RSD	6.562	10.20	.1313	1.218	38.59	34.15	1.214

#1	.0024	.0029	.0201	-.0081	.0410	.0310	.1632
#2	.0022	.0025	.0201	-.0080	.0234	.0189	.1660

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	.1213
SDev	.0019
%RSD	1.561

#1	.1200
#2	.1226

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	44923	--	--	--	--	--	--
SDev	43.31029	--	--	--	--	--	--
%RSD	.0964108	--	--	--	--	--	--
#1	44892	--	--	--	--	--	--
#2	44953	--	--	--	--	--	--

Method: TOAP4HI Sample Name: 0081

Operator: SD

Run Time: 10/26/00 17:14:45

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	.0003	.0024	.0021	.0000	-.0000	.0050
SDev	.0004	.0015	.0015	.0002	.0000	.0000	.0010
NRSD	174.7	452.7	64.51	8.491	110.9	40.84	19.67

#1	.0001	.0014	.0035	.0023	.0000	-.0000	.0057
#2	-.0006	-.0007	.0013	.0020	.0000	-.0001	.0043

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0000	-.0003	-.0008	.0074	.0083	-.0001
SDev	.0000	.0000	.0001	.0001	.0022	.0003	.0000
NRSD	18.39	96.98	56.57	15.46	29.84	4.056	32.65

#1	.0003	.0001	-.0004	-.0007	.0089	.0086	-.0001
#2	.0002	.0000	-.0002	-.0008	.0058	.0081	-.0001

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	-.0000	.0007	.0021	.0026	.0291	-.0026
SDev	.0004	.0007	.0004	.0024	.0009	.0004	.0059
NRSD	10.02	1545.	54.23	116.4	53.05	1.486	230.3

#1	.0047	-.0006	.0010	.0004	.0032	.0294	.0016
#2	.0041	.0005	.0004	.0038	.0020	.0288	-.0067

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0002	.0009	.0003	.0079	-.0004	.0537
SDev	.0000	.0001	.0025	.0018	.0022	.0002	.1000
NRSD	.1851	41.98	272.5	521.6	28.36	46.98	186.1

#1	.0000	.0002	-.0008	.0016	.0095	-.0002	-.0170
#2	.0000	.0003	.0027	-.0009	.0063	-.0005	.1245

Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low	-.0020	-.0200					-.5000

Elem K 7564

Units ppm
 Avge 1.012
 SDev 1.0124
 %RSD 12.29

#1 1.1100
 #2 1.0924

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avge	46227	--	--	--	--	--	--
SDev	132.9007	--	--	--	--	--	--
%RSD	2874961	--	--	--	--	--	--
#1	46321	--	--	--	--	--	--
#2	46133	--	--	--	--	--	--

Code: ICAP4HI Sample Name: A100260-16 Operator: SD
 Date Time: 10/26/00 17:20:04
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0003	1.0116	1.0221	1.4476	1.2093	1.0001	41.93
SDev	1.0001	1.0008	1.0023	1.0008	1.0003	1.0000	1.06
%RSD	31.98	6.802	10.39	11713	11206	14463	11457

#1 1.0002 1.0121 1.0237 1.4470 1.2094 1.0001 41.89
 #2 1.0004 1.0110 1.0204 1.4481 1.2091 1.0001 41.97

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0004	1.0001	1.0014	1.0004	1.0077	12.00	1.0007
SDev	1.0001	1.0000	1.0002	1.0001	1.0025	1.00	1.0000
%RSD	32.86	16495	17.39	23.56	31.70	10267	4.872

#1 1.0003 1.0001 1.0016 1.0004 1.0095 12.00 1.0007
 #2 1.0005 1.0001 1.0012 1.0005 1.0060 12.00 1.0007

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0077	1.0010	1.0000	1.0004	1.0047	47.07	1.0045

SDev	.0001	.0003	.0000	.0003	.0012	.00	.0017
%RSD	1.456	25.79	116.1	45.02	26.42	.0031	38.17
#1	.0078	.0011	.0000	.0004	.0038	47.07	-.0057
#2	.0076	.0008	.0001	.0008	.0055	47.07	-.0033

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0350	.0075	.0014	-.0009	.0081	.0026	H101.1
SDev	.0001	.0000	.0010	.0005	.0022	.0008	.1
%RSD	.2470	.2962	72.38	60.03	27.48	28.84	.1372

#1	.0351	.0075	.0021	-.0013	.0065	.0021	H101.1
#2	.0350	.0076	.0007	-.0005	.0097	.0032	H101.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.3000

Elem	K_7664
Units	ppm
Avg	3.407
SDev	.020
%RSD	.5916

#1	3.421
#2	3.393

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avg	45438	--	--	--	--	--	--
SDev	40.58682	--	--	--	--	--	--
%RSD	.0893241	--	--	--	--	--	--
#1	45409	--	--	--	--	--	--
#2	45466	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100260-17 Operator: SD
 Run Time: 10/26/00 17:25:18
 Element:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1590	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0006	.0060	.0167	.2450	.1242	-.0001	47.68
SDev	.0000	.0018	.0031	.0005	.0001	.0000	.07

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%RSD	3.018	14.59	19.37	.1032	.1075	.1429	.1695
#1	-.0006	.0137	.0140	.2448	.1243	-.0001	42.63
#2	-.0006	.0112	.0185	.7451	.1241	-.0001	42.73
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0002	.0045	.0031	-.0146	12.17	.0014
SDev	.0003	.0002	.0000	.0000	.0016	.02	.0000
%RSD	136.4	107.8	.5088	.3167	11.19	.1712	.0523
#1	-.0005	-.0000	.0043	.0031	-.0157	12.15	.0014
#2	-.0000	-.0003	.0043	.0031	-.0134	12.18	.0014
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	.0015	.0001	.0026	.0014	51.62	-.0049
SDev	.0001	.0003	.0012	.0010	.0005	.04	.0000
%RSD	3.866	22.67	1711.	38.98	32.75	.0698	.1181
#1	.0026	.0017	.0009	.0019	.0011	51.60	-.0049
#2	.0027	.0013	-.0008	.0033	.0017	51.65	-.0049
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0462	.0089	.0020	-.0011	.0036	.0000	43.63
SDev	.0001	.0001	.0004	.0016	.0036	.0025	.15
%RSD	.2822	1.515	21.47	140.4	99.05	7929.	.3382
#1	.0465	.0088	.0023	-.0000	.0061	-.0017	43.76
#2	.0462	.0090	.0017	-.0023	.0011	.0018	43.55
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	4.064						
SDev	.010						
%RSD	.2432						
#1	4.071						
#2	4.057						

Errors LC Pass
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	45533	--	--	--	--	--	--
SDev	19.5531e	--	--	--	--	--	--
ARSD	.6429424	--	--	--	--	--	--
#1	45520	--	--	--	--	--	--
#2	45547	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100260-18 Operator: SD
 Run Time: 10/26/00 17:30:33
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0006	3.200	.0024	.0144	.0529	-1.0003	8.569
SDev	1.0000	.016	.0015	.0005	.0005	.0000	.001
ARSD	2.352	.5021	62.05	3.217	.4873	3.260	.0127
#1	-1.0006	3.211	.0034	.0147	.0531	-1.0003	8.568
#2	-1.0006	3.188	.0013	.0141	.0527	-1.0003	8.569

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0002	.0012	.0040	.0055	3.330	3.656	.0758
SDev	1.0002	.0000	.0001	.0002	.003	.006	.0000
ARSD	68.63	1.744	1.147	3.900	.0751	.1688	.0574
#1	-1.0003	.0012	.0040	.0056	3.328	3.661	.0757
#2	-1.0001	.0013	.0041	.0053	3.331	3.652	.0758

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0013	.0035	.0023	-1.0003	.0013	28.76	-1.0039
SDev	1.0002	.0006	.0003	.0009	.0021	.11	.0005
ARSD	12.35	16.55	14.69	262.9	164.7	.3913	21.49
#1	.0014	.0034	.0026	.0003	-1.0002	28.84	-1.0035
#2	.0011	.0043	.0021	-1.0009	.0027	28.68	-1.0045

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 171.0 5.000
 Low -1.0000 -1.0000 -1.0000 -1.0000 -1.0000 -1.0000 -1.0000

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LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0103	1.0167	1.0066	-1.0000	1.0040	-1.0004	3.503
SDev	1.0002	1.0004	1.0022	1.0006	1.0025	1.0019	1.109
%RSD	2.153	2.365	33.13	1289.	61.78	469.8	3.100

#1	1.0105	1.0170	1.0081	-1.0005	1.0023	-1.0017	3.581
#2	1.0102	1.0164	1.0050	1.0004	1.0058	1.0009	3.428

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	4.125
SDev	1.013
%RSD	1.3164

#1	4.134
#2	4.116

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avgc	45941	--	--	--	--	--	--
SDev	12.62296	--	--	--	--	--	--
%RSD	1.0274766	--	--	--	--	--	--
#1	45939	--	--	--	--	--	--
#2	45950	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100260-19 Operator: SD
 Run Time: 10/26/00 17:35:42
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0004	2.050	1.0012	1.0153	1.0461	-1.0002	10.16
SDev	1.0000	1.005	1.0014	1.0005	1.0000	1.0000	1.01
%RSD	4.852	2508	116.6	2.689	1.0919	1.492	1.048
#1	-1.0005	2.054	1.0023	1.0179	1.0460	-1.0002	10.15
#2	-1.0004	2.046	1.0002	1.0186	1.0461	-1.0002	10.17

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	.0001	.0008	.0028	.0035	2.196	3.921	.0505
SDev	.0000	.0000	.0001	.0000	.001	.004	.0001
%RSD	56.17	.0183	3.508	.4474	.0399	.1113	.1144
#1	.0000	.0008	.0028	.0035	2.195	3.918	.0505
#2	.0001	.0008	.0029	.0036	2.196	3.924	.0505

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	.0009	.0028	.0007	-.0017	.0003	23.58	-.0046
SDev	.0001	.0001	.0023	.0006	.0025	.03	.0008
%RSD	11.85	4.422	309.9	33.06	841.9	.1339	17.56
#1	.0008	.0028	-.0009	-.0013	-.0015	23.61	-.0052
#2	.0010	.0027	.0024	-.0021	.0021	23.56	-.0041

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2203/1	Zn2203/2	Zn1960/1	Zn1960/2	Na3302
Units	opm	opm	opm	ppm	opm	ppm	opm
Avgc	.0087	.0183	.0024	-.0004	-.0014	.0008	5.049
SDev	.0003	.0003	.0001	.0034	.0074	.0001	.044
%RSD	3.918	1.759	3.230	961.4	535.0	12.87	.8645
#1	.0085	.0185	.0023	-.0027	-.0066	.0008	5.019
#2	.0090	.0180	.0025	.0070	.0038	.0009	5.080

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	opm
Avgc	3.350
SDev	.006
%RSD	.1746

#1	3.354
#2	3.346

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
MaxCon	375.000	--	--	--	--	--	--

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Avg	46437	--	--	--	--	--	--
SDev	81.91943	--	--	--	--	--	--
%RSD	.1764095	--	--	--	--	--	--
#1	46495	--	--	--	--	--	--
#2	46379	--	--	--	--	--	--

Method: ICAP4HT Sample Name: A100260-20 Operator: SGT
 Run Time: 10/26/00 17:41:04
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	.0095	.0203	.4460	.2169	-.0002	42.48
SDev	.0001	.0001	.0009	.0010	.0001	.0000	.04
%RSD	19.11	.6498	4.676	.2349	.0274	4.884	.0946
#1	-.0003	.0095	.0196	.4467	.2169	-.0002	42.45
#2	-.0005	.0094	.0210	.4452	.2168	-.0002	42.51

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Co2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0003	.0016	-.0005	-.0132	12.11	.1253
SDev	.0001	.0001	.0002	.0003	.0060	.01	.0001
%RSD	45.76	43.14	14.85	58.56	45.84	6609	.1165
#1	-.0004	-.0004	.0014	-.0007	-.0089	12.10	.1255
#2	-.0002	-.0002	.0018	-.0003	-.0175	12.11	.1252

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0059	.0005	.0010	.0044	.0038	46.98	-.0011
SDev	.0004	.0006	.0002	.0019	.0020	.02	.0020
%RSD	7.757	110.5	22.31	42.31	51.65	43.62	185.7
#1	.0055	.0009	.0012	.0031	.0024	46.97	-.0025
#2	.0062	.0001	.0009	.0057	.0052	47.00	.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0355	.0046	.0027	-.0001	.0051	.0029	8100.5
SDev	.0002	.0004	.0007	.0000	.0002	.0050	.1
%RSD	5863	8.780	25.67	2.284	3.624	106.5	.0596

#1	.0353	.0049	.0032	-.0001	.0052	.0007	H100.5
#2	.0356	.0045	.0022	-.0001	.0050	.0050	H100.6
Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 5.353
 SDev .000
 %RSD .0095

#1 5.353
 #2 5.354

Errors High	LC Pass 50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Int Len	371.050	---	---	---	---	---	---
Avge	45410	---	---	---	---	---	---
SDev	85.1066	---	---	---	---	---	---
%RSD	.1940230	---	---	---	---	---	---

#1 45348
 #2 45473

Method: ICP-AES Sample Name: A100260-21 Operator: SD
 Run Time: 10/26/00 17:46:12
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0004	.0070	.0164	.2531	.2896	-.0001	55.18
SDev	.0000	.0007	.0022	.0002	.0001	.0000	.109
%RSD	10.50	9.749	13.30	.0776	.0366	5.537	.1560

#1 -.0004 .0075 .0179 .2532 .2896 -.0002 55.17
 #2 -.0004 .0065 .0148 .2530 .2895 -.0001 55.25

Errors High	LC Pass 1.000	LC Pass 100.0	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	-.0002	-.0000	-.0003	-.0152	13.30	.1452
SDev	.0002	.0003	.0000	.0001	.0029	.02	.0001
%RSD	50.73	148.5	103.2	23.01	18.80	.1478	.0805

#1 -.0001 -.0004 -.0000 -.0003 -.0172 13.29 .1451
 #2 -.0004 .0000 -.0000 -.0004 -.0131 13.30 .1453

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030	.0009	.0003	.0039	-.0006	48.40	-.0033
SDev	.0004	.0001	.0010	.0017	.0007	.01	.0014
%RSD	13.90	15.88	303.0	44.65	108.7	.0156	42.61

#1	.0033	.0008	-.0004	.0051	-.0011	48.40	-.0043
#2	.0027	.0010	.0011	.0026	-.0001	48.41	-.0023

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0050	- .0100	- .0100	-1.000	- .0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0293	.0043	.0004	.0001	.0021	-.0022	53.22
SDev	.0001	.0001	.0005	.0018	.0010	.0005	.03
%RSD	.5191	3.302	120.9	3352.	49.14	21.24	.0481

#1	.0292	.0044	.0007	-.0012	.0014	-.0026	53.20
#2	.0294	.0046	.0001	.0013	.0028	-.0019	53.24

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000

Elem	K_7664
Units	ppm
Avg	5.016
SDev	.004
%RSD	.0717

#1	5.019
#2	5.014

Errors	LC Pass
High	50.00
Low	- .5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
W	45492	--	--	--	--	--	--
SDev	74.50014	--	--	--	--	--	--
%RSD	.0538558	--	--	--	--	--	--

#1	45475
#2	45509

Method: ICP4HI Sample Name: A100311-25 Operator: S
 Run Time: 10/26/00 17:51:34
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0097	0.1497	0.9305	0.0655	-0.0001	15.46
SDev	0.0005	0.0035	0.0035	0.0004	0.0002	0.0000	0.10
RRSD	112.0	35.94	2.321	0.0487	0.3066	9.216	0.6433

#1	-0.0005	0.0072	0.1472	0.9302	0.0657	-0.0002	15.39
#2	-0.0001	0.0122	0.1521	0.9309	0.0654	-0.0001	15.53

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0002	0.0070	0.0070	0.0122	6.471	0.0044
SDev	0.0000	0.0003	0.0002	0.0001	0.0051	0.029	0.0001
RRSD	6.345	145.9	3.235	1.969	41.65	0.4549	1.650

#1	-0.0002	-0.0000	0.0069	0.0069	0.0086	6.450	0.0044
#2	-0.0002	0.0005	0.0072	0.0071	0.0158	6.492	0.0045

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0165	0.0037	0.0011	0.0022	0.0048	48.04	-0.0024
SDev	0.0009	0.0004	0.0012	0.0001	0.0026	0.10	0.0011
RRSD	5.530	11.88	108.7	6.215	53.28	0.2157	48.47

#1	0.0158	0.0034	0.0003	0.0023	0.0067	47.97	-0.0016
#2	0.0171	0.0040	0.0020	0.0021	0.0030	48.11	-0.0032

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-1.000	-0.0100

Elem	V_2924	Zn2062	Z20371	Z20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.1691	0.0160	0.0017	0.0006	0.0066	0.0037	H220.6
SDev	0.0008	0.0000	0.0009	0.0014	0.0005	0.0037	0.0
RRSD	0.4702	0.2270	55.45	239.5	4.473	101.3	0.0076

#1	0.1685	0.0160	0.0010	-0.0004	0.0068	0.0063	H220.5
#2	0.1696	0.0160	0.0024	0.0015	0.0064	0.010	H220.6

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-0.0020	-0.0200					-0.5000

Elem K 7604

Units ppm
 Avge 2.586
 SDev .015
 RSD .5798

#1 2.575
 #2 2.597

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	45301	--	--	--	--	--	--
SDev	62.86069	--	--	--	--	--	--
RSD	.1387616	--	--	--	--	--	--
#1	45346	--	--	--	--	--	--
#2	45257	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100323-1 Operator: SD
 Run Time: 10/26/00 17:56:50
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.0068	.0179	.3947	.2264	-.0001	50.69
SDev	.0003	.0002	.0016	.0001	.0003	.0000	.20
RSD	157.0	3.356	9.239	.0329	.1432	10.10	.3982
#1	-.0004	.0066	.0190	.3946	.2267	-.0001	50.55
#2	-.0000	.0069	.0167	.3948	.2262	-.0001	50.84

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	-.0003	.0015	.0047	-.0191	15.59	.0008
SDev	.0000	.0001	.0002	.0001	.0022	.05	.0000
RSD	1.955	36.62	12.83	2.582	11.47	.3309	.2118
#1	-.0003	-.0004	.0014	.0047	-.0206	15.55	.0008
#2	-.0003	-.0002	.0017	.0048	-.0175	15.62	.0008

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0033	.0002	.0007	.0017	.0015	52.05	-.0004

SDev	.0009	.0003	.0007	.0033	.0002	.013	.0057
%RSD	26.79	176.9	107.3	188.8	11.22	.2591	1436.
#1	.0039	-.0000	.0012	.0041	.0014	51.96	.0036
#2	.0027	.0004	.0002	-.0006	.0016	52.15	-.0044

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0388	.0057	.0014	.0000	.0047	-.0004	81.52
SDev	.0002	.0006	.0019	.0020	.0007	.0001	.05
%RSD	.5865	11.37	135.6	7568.	14.11	19.68	.0581

#1	.0387	.0052	.0001	.0015	.0043	-.0004	81.55
#2	.0390	.0062	.0027	-.0014	.0052	-.0005	81.48

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	5.338
SDev	.022
%RSD	.4171

#1	5.355
#2	5.322

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	45414	--	--	--	--	--	--
SDev	69.79085	--	--	--	--	--	--
%RSD	.1536762	--	--	--	--	--	--
#1	45464	--	--	--	--	--	--
#2	45365	--	--	--	--	--	--

Method: CAP4RI Sample Name: A100466-4 Operator: SD
 Run Time: 10/26/00 18:02:05
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0005	.0030	.0151	.2505	.2846	-.0002	55.12
SDev	.0002	.0027	.0007	.0008	.0001	.0000	.10

%RSD	29.38	75.27	4.603	.3216	.0438	5.705	.1875
#1	-.0004	.0045	.0156	.2511	.2847	-.0002	55.05
#2	-.0006	.0014	.0146	.2500	.2845	-.0002	55.19
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0002	-.0004	-.0001	.0001	-.0175	13.24	.0792
SDev	.0001	.0004	.0003	.0000	.0058	.01	.0000
%RSD	29.71	96.08	259.1	35.14	32.99	.0864	.0235
#1	-.0001	-.0001	.0001	.0002	-.0134	13.23	.0792
#2	-.0002	-.0007	-.0003	.0001	-.0216	13.25	.0792
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0034	.0004	-.0003	.0022	.0020	47.97	-.0002
SDev	.0001	.0001	.0023	.0037	.0001	.02	.0006
%RSD	3.181	38.01	696.7	168.9	2.563	.0413	244.3
#1	.0035	.0003	-.0020	.0048	.0020	47.95	-.0006
#2	.0033	.0005	.0015	-.0004	.0020	47.98	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2203/1	Zn2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0288	.0045	.0013	-.0014	.0055	-.0000	52.57
SDev	.0000	.0000	.0026	.0022	.0030	.0014	.04
%RSD	.0857	.1370	193.9	151.2	54.52	3560.	.0826
#1	.0287	.0045	-.0005	-.0030	.0034	.0010	52.60
#2	.0288	.0045	.0032	.0001	.0076	-.0010	52.54
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	4.943						
SDev	.013						
%RSD	.2553						
#1	4.952						
#2	4.934						

Errors LC Pass
High 50.00
Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avg	46154	--	--	--	--	--	--
SDev	45.04215	--	--	--	--	--	--
%RSD	.0975914	--	--	--	--	--	--
#1	46172	--	--	--	--	--	--
#2	46186	--	--	--	--	--	--

Method: 7CAP4HI Sample Name: A100463-1 Operator: SD
 Run Time: 10/26/00 18:07:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0004	.0128	.0199	.4444	.2144	-1.0002	42.72
SDev	.00002	.0005	.0022	.0006	.0000	.0000	.05
%RSD	52.54	4.122	10.99	.1307	.0154	3.510	.1112
#1	-1.0002	.0132	.0215	.4448	.2145	-1.0001	42.76
#2	-1.0005	.0124	.0184	.4440	.2144	-1.0002	42.69

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0000	-1.0004	.0015	.0026	.0038	12.17	.0402
SDev	.0000	.0003	.0003	.0001	.0044	.01	.0001
%RSD	53.07	66.32	19.19	2.187	114.7	.1042	.2250
#1	-1.0000	-1.0002	.0017	.0027	.0069	12.18	.0402
#2	-1.0000	-1.0006	.0013	.0026	.0007	12.16	.0401

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mg2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0049	.0012	.0003	.0018	.0015	46.77	-1.0022
SDev	.0001	.0006	.0008	.0026	.0009	.01	.0008
%RSD	1.553	55.36	293.7	142.2	58.74	.0162	58.03
#1	.0049	.0007	-1.0003	.0036	.0021	46.77	-1.0016
#2	.0048	.0016	.0008	-1.0000	.0009	46.78	-1.0027

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0350	1.0094	1.0026	1.0012	1.0033	1.0003	H100.4
SDev	1.0001	1.0002	1.0007	1.0008	1.0033	1.0029	1
%RSD	1.3993	2.599	27.46	69.99	100.9	1067.	1.0676

#1	1.0349	1.0092	1.0021	1.0017	1.0009	1.0024	H100.4
#2	1.0351	1.0096	1.0031	1.0006	1.0056	1.0018	H100.5

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	3.377
SDev	1.004
%RSD	1.291

#1	3.375
#2	3.365

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	46003	--	--	--	--	--	--
SDev	102.7075	--	--	--	--	--	--
%RSD	2.232615	--	--	--	--	--	--
#1	45950	--	--	--	--	--	--
#2	46076	--	--	--	--	--	--

Method: ICP4HT Sample Name: 0081 Operator: SD
 Run Time: 10/26/00 18:12:51
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0002	1.0115	1.0004	1.0010	1.0000	1.0002	1.0138
SDev	1.0001	1.0044	1.0011	1.0000	1.0000	1.0000	1.0060
%RSD	54.82	57.89	259.2	3.245	166.0	2.568	43.38
#1	1.0003	1.0084	1.0012	1.0010	1.0000	1.0002	1.0180
#2	1.0002	1.0146	1.0003	1.0009	1.0000	1.0002	1.0096
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.0000	1.0050	1.0010	1.5000
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0001	-1.0002	-1.0006	1.0049	1.0067	-1.0001
SDev	1.0000	1.0000	1.0001	1.0001	1.0026	1.0026	1.0001
%RSD	42.77	33.49	62.51	18.22	53.09	38.04	51.95

#1	1.0001	1.0001	-1.0002	-1.0005	1.0067	1.0086	-1.0001
#2	1.0001	1.0000	-1.0001	-1.0007	1.0030	1.0049	-1.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0002	-1.0004	-1.0006	1.0007	-1.0002	1.0726	-1.0007
SDev	1.0002	1.0003	1.0005	1.0024	1.0002	1.0203	1.0017
%RSD	113.7	72.98	71.69	360.5	109.2	27.96	222.6

#1	-1.0000	-1.0006	-1.0003	-1.0010	-1.0003	1.0869	1.0004
#2	-1.0003	-1.0002	-1.0010	1.0024	-1.0000	1.0582	-1.0019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0050	1.0100	1.0100	1.000	1.0100
Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	-1.0001	-1.0004	-1.0010	1.0014	-1.0013	1.1886
SDev	1.0003	1.0001	1.0010	1.0012	1.0005	1.0006	1.0481
%RSD	168.7	76.94	214.5	116.6	32.46	42.59	25.50

#1	1.0004	-1.0001	-1.0011	-1.0002	1.0018	-1.0017	1.1546
#2	-1.0000	-1.0002	1.0002	-1.0018	1.0011	-1.0009	1.2226

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	11074
SDev	10077
%RSD	7.198

#1	11019
#2	11128

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--

Avg	46376	--	--	--	--	--	--
SD	32.17336	--	--	--	--	--	--
%RSD	0.0698749	--	--	--	--	--	--
#1	46355	--	--	--	--	--	--
#2	46399	--	--	--	--	--	--

Method: ICP4HI Sample Name: COVE Operator: S
 Run Time: 10/26/00 18:17:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5085	-1.0201	2.586	2.566	2.385	H2.650	1.0088
SD	1.0005	1.0045	1.007	1.005	1.000	1.001	1.0010
%RSD	11.003	22.27	1.2585	1.1254	1.0089	1.0457	11.63
#1	1.5088	-1.0169	2.581	2.570	2.385	H2.649	1.0095
#2	1.5081	-1.0232	2.591	2.566	2.385	H2.650	1.0081

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC High	NOCHECK
High	1.5250		2.625	2.750	2.625	2.625	
Low	4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.650	H2.642	H2.678	2.386	1.5919	-1.0026	2.624
SD	1.001	1.001	1.002	1.001	1.0024	1.0031	1.001
%RSD	0.489	0.239	1.0694	1.0335	1.4059	120.2	1.0394
#1	H2.649	H2.643	H2.677	2.387	1.5902	-1.0004	2.624
#2	H2.651	H2.642	H2.679	2.385	1.5936	-1.0048	H2.625

Errors	LC High	LC High	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.624	2.551	H2.647	2.537	2.535	2700	2.581
SD	1.029	1.000	1.006	1.002	1.015	1.0121	1.006
%RSD	1.102	0.124	1.2268	1.0890	1.6064	4.491	1.2202
#1	2.603	2.551	H2.651	2.538	2.524	2.2786	2.585
#2	H2.644	2.557	H2.642	2.535	2.545	2.2615	2.577

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zr2037L	Zr2037Z	19607L	19607Z	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.565	H2.558	2.636	2.652	2.496	2.535	49.12
SD	1.007	1.001	1.001	1.009	1.012	1.017	1.16
%RSD	0.686	0.503	1.0345	1.3231	1.4716	1.6725	1.3193

#1	2.564	H2.857	2.636	2.658	2.488	2.541	49.23
#2	2.567	H2.859	2.635	2.646	2.505	2.566	49.01
Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50
Elem	K_7664						
Units	ppm						
Avge	24.11						
SDev	.106						
%RSD	.2479						

#1	24.15
#2	24.06

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Concn	371.030	--	--	--	--	--	--
Avge	45671	--	--	--	--	--	--
SDev	175.964e	--	--	--	--	--	--
%RSD	.3852847	--	--	--	--	--	--
#1	45541	--	--	--	--	--	--
#2	45796	--	--	--	--	--	--

Method: ICP481 Sample Name: 00V9 Operator: SD
 Run Time: 10/26/00 18:22:59
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	146.78	.0123	.0092	-.0008	.0003	51.91
SDev	.0002	.02	.0021	.0026	.0003	.0003	.07
%RSD	118.5	.0530	17.25	27.87	41.41	90.24	.1259
#1	-.0000	146.80	.0138	.0110	-.0005	.0006	51.96
#2	-.0003	146.76	.0108	.0074	-.0010	.0001	51.87

Errors	NOCHECK	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Cn2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0015	.0006	.0051	.0011	50.77	50.33	.0032
SDev	.0001	.0006	.0003	.0003	.06	.04	.0003
%RSD	7.957	105.0	6.815	29.54	1170	10805	9.575
#1	.0015	.0011	.0054	.0014	50.81	50.35	.0034
#2	.0014	.0002	.0049	.0009	50.75	50.30	.0029

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo7020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0243	.0036	.0017	.0012	.0331	83.68	-.0062
SDev	.0079	.0003	.0003	.0035	.0119	.01	.0020
%RSD	32.35	9.677	19.93	282.3	36.11	.0066	32.88
#1	.0299	.0039	.0019	.0037	.0415	83.69	-.0076
#2	.0188	.0034	.0014	-.0012	.0246	83.68	-.0047

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0022	.0025	.0188	-.0072	.0337	.0324	.2306
SDev	.0003	.0009	.0006	.0008	.0071	.0144	.1283
%RSD	15.14	36.52	3.415	11.00	21.11	44.26	55.62
#1	.0024	.0032	.0183	-.0066	.0387	.0426	.3213
#2	.0019	.0019	.0192	-.0077	.0287	.0223	.1399

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avgc	.0005
SDev	.0099
%RSD	9.865
#1	.1075
#2	.0935

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Mean	571.030	--	--	--	--	--	--
StDev	45041	--	--	--	--	--	--
SDev	87.36085	--	--	--	--	--	--
%RSD	.1939571	--	--	--	--	--	--
#1	44986	--	--	--	--	--	--
#2	45103	--	--	--	--	--	--

Method: ICP4HI Sample Name: C081
 Run Time: 10/26/00 15:25:13
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SP

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-0.0007	-0.0167	0.0027	0.0019	0.0000	-0.0000	0.0143
SDev	0.0000	0.0056	0.0002	0.0001	0.0000	0.0000	0.0053
%RSD	5.470	33.37	7.329	3.796	64.73	77.04	37.44
#1	-0.0007	-0.0128	0.0028	0.0018	0.0001	-0.0000	0.0181
#2	-0.0007	-0.0207	0.0025	0.0019	0.0000	-0.0001	0.0105

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.0000	0.0040	0.0000	0.0050	0.0010	0.5000
Low	-0.0030	-0.0000	-0.0040	-0.0000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0003	0.0000	0.0001	0.0007	0.0254	0.0131	-0.0001
SDev	0.0001	0.0001	0.0000	0.0002	0.0148	0.0049	0.0000
%RSD	32.38	228.3	73.11	26.68	58.48	37.46	60.35
#1	0.0002	-0.0000	0.0001	0.0008	0.0359	0.0166	-0.0000
#2	0.0003	0.0001	0.0001	0.0005	0.0149	0.0097	-0.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.5000	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.5000	-0.5000	-0.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	H.0065	0.0000	-0.0004	0.0009	0.0036	0.0617	-0.0018
SDev	0.0011	0.0002	0.0001	0.0019	0.0010	0.0219	0.0025
%RSD	16.77	580.7	79.24	208.2	27.98	35.49	141.2
#1	H.0072	-0.0001	-0.0003	0.0022	0.0029	0.0772	-0.0036
#2	H.0057	0.0002	-0.0005	-0.0004	0.0044	0.0462	-0.0000

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0050	0.1000	0.1000	1.0000	0.1000
Low	-0.0050	-0.0050	-0.0050	-0.1000	-0.1000	-1.0000	-0.1000

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	Zr1960/1	Zr1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0001	0.0006	0.0002	-0.0009	0.0044	0.0030	0.1537
SDev	0.0001	0.0001	0.0015	0.0008	0.0035	0.0033	0.0786
%RSD	56.99	19.29	621.6	87.39	79.77	111.4	51.14
#1	0.0002	0.0007	-0.0007	-0.0004	0.0069	0.0006	0.0981
#2	0.0001	0.0005	0.0011	-0.0015	0.0019	0.0053	0.2093

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Elem K 7884

Units ppm
 Avge 1.0835
 SDev 1.0050
 RSD 5.927

#1 1.0870
 #2 1.0800

Errors LC Pass
 High 1.5000
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46047	--	--	--	--	--	--
SDev	41.57567	--	--	--	--	--	--
RSD	.0902902	--	--	--	--	--	--
#1	46017	--	--	--	--	--	--
#2	46076	--	--	--	--	--	--

Code: ICAP4HI Sample Name: A100326-1-50 88510P1 Operator: SD
 AC Time: 10/26/00 16:33:28
 Comments:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0247	.0026	.0005	.0001	-.0001	.0256
SDev	.0002	.0026	.0008	.0001	.0000	.0000	.0010
RSD	41.26	10.38	28.86	23.69	24.43	13.20	3.801

#1 -.0003 -.0229 .0021 .0006 .0001 -.0001 .0263
 #2 -.0006 -.0265 .0031 .0005 .0001 -.0001 .0249

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0003	.0001	-.0004	.0009	.0087	.0112	-.0000
SDev	.0001	.0001	.0001	.0001	.0054	.0013	.0001
RSD	47.05	93.76	18.96	8.307	62.35	11.69	156.0

#1 .0002 .0001 -.0004 .0008 .0125 .0121 .0000
 #2 .0004 .0000 -.0003 .0009 .0049 .0103 -.0001

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0021	-.0002	-.0004	.0002	.0019	.0459	-.0015

SDev	.0004	.0002	.0016	.0007	.0024	.0053	.0035
%RSD	18.86	97.98	393.2	334.8	130.0	11.52	231.5
#1	.0018	-.0004	-.0016	-.0003	.0002	.0496	.0010
#2	.0024	-.0001	.0007	.0007	.0036	.0422	-.0040

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2067	Z203/1	Z203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0029	.0003	-.0010	.0026	.0012	.1488
SDev	.0001	.0006	.0018	.0015	.0052	.0011	.0802
%RSD	78.90	21.22	660.7	143.4	195.6	89.23	53.90

#1	-.0000	.0033	-.0010	-.0021	-.0010	.0005	.2055
#2	-.0001	.0024	.0016	.0000	.0063	.0020	.0921

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	.0958
SDev	.0004
%RSD	.3987

#1	.0961
#2	.0955

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	47623	--	--	--	--	--	--
SDev	22.02527	--	--	--	--	--	--
%RSD	.0462496	--	--	--	--	--	--
#1	47607	--	--	--	--	--	--
#2	47638	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100326-1-L1 200.2 Operator: SD
 Run Time: 10/26/00 18:38:47
 Comment:
 Mode: GUNO Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Se4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0434	1.794	.0998	.8558	.0955	.0102	18.70
SDev	.0061	.001	.0028	.0012	.0000	.0000	.01

%RSD	.4655	.0333	2.767	.1364	.0023	.3043	.0519
#1	.0435	1.793	.1017	.8850	.0955	.0103	18.71
#2	.0435	1.794	.0978	.8867	.0955	.0102	18.70
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-5.000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0106	.1034	.0425	.0386	.9165	18.35	.0417
SDev	.0002	.0001	.0002	.0002	.0041	.01	.0001
%RSD	1.615	.1159	.4974	.5696	.4457	.0413	.1308
#1	.0105	.1035	.0427	.0388	.9156	18.35	.0417
#2	.0107	.1033	.0424	.0385	.9193	18.34	.0416
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0879	.0954	.1026	.1005	.0858	.1074	.0954
SDev	.0066	.0001	.0001	.0009	.0085	.0067	.0033
%RSD	7.935	.1511	.1052	.9745	9.954	6.264	3.445
#1	.0783	.0955	.1025	.0999	.0798	.1121	.0931
#2	.0876	.0953	.1027	.1012	.0919	.1026	.0978
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0409	.1140	.1062	.1005	.0930	.0819	19.12
SDev	.0001	.0004	.0019	.0008	.0077	.0092	.03
%RSD	.3176	.3410	1.813	.7961	7.692	11.28	.1655
#1	.0410	.1143	.1048	.1011	.0880	.0754	19.10
#2	.0408	.1137	.1075	.0999	.0981	.0884	19.14
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	18.27						
SDev	.00						
%RSD	.0048						
#1	18.29						
#2	18.25						

Errors LC Pass
High 50.00
Low -5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
Avgc	46381	--	--	--	--	--	--
SDev	24.99755	--	--	--	--	--	--
SRSD	.0538959	--	--	--	--	--	--
#1	46365	--	--	--	--	--	--
#2	46398	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100326-1-1-2 Operator: SD
 Run Time: 10/26/00 18:43:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0435	1.981	.0999	.8966	.0957	.0102	20.53
SDev	.0001	.000	.0018	.0046	.0001	.0000	.04
SRSD	.5435	.0244	1.771	.5174	.0695	.1957	.2132
#1	.0436	1.981	.0986	.8933	.0956	.0102	20.56
#2	.0433	1.980	.1011	.8998	.0957	.0102	20.50

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.000 -1.000 -1.000 -1.000 -1.000 -1.000 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0106	.1026	.0420	.0387	1.004	20.18	.0417
SDev	.0000	.0006	.0001	.0002	.002	.04	.0001
SRSD	.3067	.5639	.2418	.4827	.1973	.2037	.2628
#1	.0106	.1030	.0420	.0389	1.003	20.21	.0417
#2	.0105	.1022	.0419	.0386	1.006	20.15	.0416

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.000 -1.000 -1.000 -1.000 -1.000 -1.5000 -1.0000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0888	.0959	.1040	.0999	.0874	.0985	.0953
SDev	.0039	.0004	.0010	.0001	.0045	.0046	.0001
SRSD	4.390	.3757	.9921	.0459	5.134	4.646	.1226
#1	.0860	.0956	.1047	.0999	.0842	.1017	.0952
#2	.0915	.0961	.1033	.0999	.0906	.0952	.0954

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 100.0 5.000

Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0408	.1157	.1035	.1039	.0933	.0841	20.98
SDev	.0007	.0006	.0001	.0015	.0012	.0073	11
%RSD	.5864	.4986	.1365	1.443	1.240	8.690	.5132
#1	.0410	.1156	.1036	.1050	.0941	.0789	21.06
#2	.0407	.1084	.1034	.1029	.0925	.0893	20.96
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	20.00
SDev	.02
%RSD	.1179

#1	19.98
#2	20.01

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	45949	--	--	--	--	--	--
SDev	84.64013	--	--	--	--	--	--
%RSD	.1842043	--	--	--	--	--	--
#1	45889	--	--	--	--	--	--
#2	46009	--	--	--	--	--	--

Method: ICP4H Sample Name: A100326-1 Operator: SD
 Run Time: 10/26/00 18:49:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0022	2.937	.0024	.0077	.0365	-1.0004	2.177
SDev	.0001	.0009	.0006	.0000	.0002	.0000	.0007
%RSD	4.999	.2980	23.71	.1424	.5544	.0446	.0968
#1	.0022	2.943	.0020	.0077	.0367	-1.0004	2.178
#2	.0023	2.931	.0028	.0077	.0364	-1.0004	2.175
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	3.000	3.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	.0030	.0106	.0131	5.284	1.907	.1324
SDev	.0001	.0001	.0001	.0001	.015	.004	.0000
%RSD	14.86	3.501	.6105	1.152	.2874	.1925	.0239
#1	.0009	.0029	.0106	.0132	5.273	1.910	.1324
#2	.0007	.0031	.0106	.0130	5.295	1.904	.1324

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0082	.0136	.2422	.0086	.0043	14.68	-.0002
SDev	.0010	.0003	.0008	.0004	.0010	.15	.0014
%RSD	11.77	1.919	.3142	4.813	22.80	1.040	760.6
#1	.0089	.0138	.2428	.0083	.0050	14.79	-.0012
#2	.0075	.0135	.2417	.0089	.0036	14.57	.0008

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0050	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0138	.0914	.2425	.2418	.0042	.0041	.7413
SDev	.0001	.0000	.0008	.0015	.0019	.0024	.0728
%RSD	.3818	.0152	.3409	.6429	45.14	59.01	9.820
#1	.0138	.0914	.2419	.2429	.0028	.0058	.6897
#2	.0138	.0914	.2431	.2407	.0055	.0024	.7926

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	.6437
SDev	.0077
%RSD	1.199
#1	.6492
#2	.6383

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
MaxLen	571	--	--	--	--	--	--

Avg	46915	--	--	--	--	--	--
SDev	22.27386	--	--	--	--	--	--
%RSD	.0474795	--	--	--	--	--	--
#1	46897	--	--	--	--	--	--
#2	46928	--	--	--	--	--	--

Method: ICP4H) Sample Name: A100326-1-5) Operator: 50

Run Time: 10/26/00 15:54:29

Comment:

Code: CONC Corr. Factor: J

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0457	4.780	.1000	.8857	.1273	.0099	21.84
SDev	.0004	.005	.0009	.0010	.0001	.0000	.05
%RSD	.8644	.1059	.8561	.1138	.0509	.2140	.2415
#1	.0460	4.777	.1006	.8850	.1273	.0099	21.88
#2	.0455	4.784	.0994	.8864	.1273	.0099	21.80

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.1049	.0515	.0503	6.079	21.29	.1696
SDev	.0001	.0007	.0004	.0001	.006	.04	.0002
%RSD	.6597	.6958	.7675	.2501	.0969	.2029	.1180
#1	.0110	.1054	.0518	.0502	6.075	21.32	.1698
#2	.0111	.1044	.0512	.0504	6.084	21.26	.1695

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000	-1.000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0837	.1076	.3380	.0996	.0843	13.90	.0939
SDev	.0049	.0016	.0015	.0011	.0048	.02	.0010
%RSD	5.531	1.504	.4458	1.077	5.658	.1167	1.112
#1	.0803	.1087	.3369	.1003	.0809	13.89	.0932
#2	.0872	.1064	.3391	.0988	.0877	13.91	.0947

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.000	-1.000	-1.000	-1.010	-1.010	-1.000	-1.010

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr20371	Zr20372	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0553	.1988	.3404	.3365	.0856	.0833	20.68
SDev	.0005	.0003	.0012	.0016	.0008	.0075	.04
%RSD	.2329	1.553	.3517	.4803	.8997	9.050	.1845

#1	.0532	.1990	.3395	.3354	.0862	.0780	20.70
#2	.0535	.1986	.3412	.3377	.0851	.0886	20.65
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	19.67						
SDev	.03						
%RSD	.1690						

#1	19.65
#2	19.70

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
K ₁ Jian	371.030	--	--	--	--	--	--
Avg	46301	--	--	--	--	--	--
SDev	37.12511	--	--	--	--	--	--
%RSD	.0801781	--	--	--	--	--	--
#1	46275	--	--	--	--	--	--
#2	46327	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100326-1-52 Operator: SD
 Run Time: 10/26/00 18:59:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0459	4.759	.0988	.8907	.1288	.0099	20.38
SDev	.0005	.004	.0006	.0024	.0001	.0000	.03
%RSD	.3830	.0903	.6509	.2695	.0541	.1125	.1247
#1	.0458	4.756	.0984	.8891	.1287	.0099	20.36
#2	.0461	4.762	.0993	.8924	.1288	.0099	20.40

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0110	.1043	.0521	.0505	6.159	19.87	.1724
SDev	.0000	.0001	.0001	.0002	.025	.01	.0000
%RSD	.1114	.1190	.1564	.4087	.3714	.0458	.0077
#1	.0110	.1044	.0520	.0504	6.143	19.86	.1724
#2	.0110	.1042	.0521	.0507	6.176	19.87	.1724

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.10889	.11076	.13416	.10998	.10892	14.59	.10982
SDev	.0036	.0004	.0011	.0008	.0047	.04	.0016
%RSD	4.008	.3907	.8123	.7700	5.324	.2888	1.631

#1	.10864	.11073	.13409	.10993	.10859	14.62	.10993
#2	.10914	.11079	.13424	.11004	.10926	14.56	.10970

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.10534	.12031	.13446	.13399	.10945	.10863	19.17
SDev	.0001	.0001	.0015	.0024	.0042	.0050	.06
%RSD	.1267	.0232	.4441	.6958	4.458	5.818	.3197

#1	.10535	.12031	.13457	.13382	.10915	.10827	19.21
#2	.10534	.12032	.13435	.13416	.10975	.10898	19.13

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	18.33
SDev	.02
%RSD	.0998

#1	18.32
#2	18.35

Errors	LC Pass
High	50.00
Low	-1.5000

InstId	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavelength	571.050	---	---	---	---	---	---
Counts	46542	---	---	---	---	---	---
SDev	30.68733	---	---	---	---	---	---
%RSD	.0659348	---	---	---	---	---	---
#1	46564	---	---	---	---	---	---
#2	46520	---	---	---	---	---	---

Method: ICP4HI Sample Name: A100325-6 Operator: SF
 Run Time: 10/26/00 19:04:59
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Ss3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	H121.4	.0237	.2375	1.586	.0032	H104.5
SDev	.0003	.1	.0002	.0007	.001	.0000	.1
RRSD	7.490	.0785	.9669	.3038	.0562	.0656	.0884
#1	.0043	H121.4	.0239	.2380	1.586	.0032	H104.4
#2	.0044	H121.3	.0235	.2370	1.585	.0032	H104.5

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0054	.0625	.1841	.2417	H169.3	55.27	2.904
SDev	.0000	.0002	.0000	.0005	.0	.02	.002
RRSD	.3634	.3339	.0129	.1083	.0084	.0300	.0547
#1	.0054	.0627	.1842	.2419	H169.3	55.28	2.905
#2	.0054	.0624	.1841	.2415	H169.3	55.26	2.905

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mn2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0129	.1325	2.456	.0038	.0149	167.5	-1.0083
SDev	.0011	.0002	.002	.0017	.0043	.19	.0027
RRSD	8.572	.1238	.0932	45.15	29.02	.5187	32.96
#1	.0137	.1324	2.458	.0051	.0179	166.9	-1.0064
#2	.0122	.1326	2.454	.0026	.0118	168.1	L-1.0102

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Z203/1	Z203/2	1960/1	1960/2	Na3502
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3420	.5785	2.500	2.454	.0397	.0022	65.59
SDev	.0000	.0003	.003	.005	.0008	.0061	.10
RRSD	.0070	.0467	.1122	.1988	1.894	272.2	.1635
#1	.3420	.5787	2.498	2.457	.0402	.0066	65.66
#2	.3420	.5783	2.502	2.450	.0392	-1.0021	65.51

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7654
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Units ppm
 Avge 50.76
 SDev .06
 ARSD .2088

#1 50.81
 #2 50.72

Errors LC Pass
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avge	52407	--	--	--	--	--	--
SDev	64.34675	--	--	--	--	--	--
ARSD	.1227821	--	--	--	--	--	--
#1	52455	--	--	--	--	--	--
#2	52362	--	--	--	--	--	--

Method: TOAP4H1 Sample Name: A100325-7 Operator: SD
 Run Time: 10/26/00 19:10:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0004	20.00	.0153	.1224	.5929	1.0007	57.41
SDev	1.0007	.02	1.0006	1.0005	1.0004	1.0000	.102
ARSD	59.12	.1167	4.212	.4361	.10694	1.047	.0329

#1 1.0003 20.01 .0157 .1220 .5932 1.0007 57.40
 #2 1.0005 19.98 .0148 .1227 .5926 1.0007 57.43

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0241	.0315	.0421	25.79	16.16	1.371
SDev	1.0001	1.0001	1.0003	1.0000	.01	.01	.000
ARSD	34.71	.5967	1.100	.0631	.0384	.0616	.0040

#1 1.0003 .0240 .0317 .0421 25.78 16.17 1.371
 #2 1.0002 .0243 .0317 .0421 25.80 16.16 1.371

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0030 -1.0030 -1.0500 -1.5000 -1.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0039	.0427	.0227	.0015	.0057	94.80	.0018

SDev	.0007	.0001	.0001	.0004	.0011	.12	.0016
%RSD	19.06	.2932	.3192	27.11	19.64	.1261	87.55
#1	.0044	.0427	.0227	.0018	.0065	94.89	.0007
#2	.0033	.0426	.0226	.0012	.0049	94.72	.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0868	.2719	.0313	.0180	.0128	.0018	23.93
SDev	.0004	.0007	.0005	.0003	.0001	.0017	.01
%RSD	.5056	.2467	1.524	1.927	.7255	93.59	.0364

#1	.0865	.2724	.0310	.0183	.0127	.0031	23.93
#2	.0871	.2715	.0317	.0178	.0128	.0006	23.94

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avge	8.529
SDev	.001
%RSD	.0115

#1	8.529
#2	8.530

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47755	--	--	--	--	--	--
SDev	39.1035e	--	--	--	--	--	--
%RSD	.0818850	--	--	--	--	--	--
#1	47755	--	--	--	--	--	--
#2	47728	--	--	--	--	--	--

Method: ICP4HL Sample Name: A100326-2 Operator: SD
 Date Time: 10/26/00 19:15:26
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_7496	Sa4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	1.787	.0021	.0055	.0235	-.0005	1.804
SDev	.0001	.006	.0014	.0002	.0001	.0000	.004

%RSD	6.440	1.5611	69.50	3.775	.2420	.1059	.2419
#1	.0009	1.791	.0031	.0057	.0239	-.0003	1.807
#2	.0008	1.782	.0010	.0054	.0235	-.0003	1.801
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0017	.0061	.0078	3.119	1.120	.0822
SDev	.0000	.0000	.0001	.0002	.007	.001	.0002
%RSD	1.209	1.219	2.409	2.486	.2228	.1108	.2787
#1	.0005	.0017	.0060	.0079	3.114	1.121	.0824
#2	.0005	.0017	.0062	.0076	3.124	1.119	.0821
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0079	.0958	.0016	.0024	9.431	.0005
SDev	.0000	.0002	.0022	.0044	.0026	.196	.0003
%RSD	1.981	2.420	2.352	278.3	108.6	2.076	56.43
#1	.0019	.0080	.0974	.0048	.0043	9.570	.0007
#2	.0019	.0077	.0942	-.0015	.0006	9.293	.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2203/1	Zn2203/2	1960/1	1960/2	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0083	.1709	.0972	.0948	.0039	.0014	.7230
SDev	.0005	.0000	.0001	.0034	.0007	.0036	.0034
%RSD	5.935	.0153	.0534	3.592	18.08	257.2	.4717
#1	.0080	.1709	.0972	.0972	.0044	.0039	.7206
#2	.0087	.1709	.0975	.0924	.0034	-.0011	.7255
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	.4871						
SDev	.0117						
%RSD	2.365						
#1	.4871						
#2	.5036						

Errors LC Pass
High 50.00
Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waveh	371.030	--	--	--	--	--	--
Avg	47070	--	--	--	--	--	--
SDev	48.75446	--	--	--	--	--	--
ARSD	.1036883	--	--	--	--	--	--
#1	47055	--	--	--	--	--	--
#2	46986	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100526-3 Operator: SD
 Run Time: 10/26/00 19:20:40
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.133	1.0006	1.0076	1.0163	1.0002	2.129
SDev	1.0002	1.011	1.0022	1.0004	1.0001	1.0000	1.002
ARSD	340.6	1.9347	392.6	3.095	1.3466	1.916	1.0557

#1	1.0001	1.140	1.0010	1.0074	1.0164	1.0002	2.131
#2	1.0002	1.125	1.0021	1.0079	1.0163	1.0002	2.128

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 3.000 3.000 3.000 3.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0005	1.0008	1.0038	1.0068	1.994	1.8428	1.0575
SDev	1.0000	1.0001	1.0001	1.0001	1.001	1.0006	1.0000
ARSD	2.1308	7.1900	7.1990	1.879	1.0423	1.0682	1.0277

#1	1.0005	1.0008	1.0039	1.0067	1.993	1.8423	1.0576
#2	1.0005	1.0009	1.0037	1.0069	1.994	1.8432	1.0575

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 3.000 3.000 3.000 3.000 100.0 100.0 3.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0016	1.0044	1.0686	1.0045	1.0005	6.428	1.0022
SDev	1.0003	1.0004	1.0015	1.0028	1.0021	1.110	1.0017
ARSD	16.130	8.793	1.886	65.56	384.0	1.716	76.97

#1	1.0014	1.0042	1.0695	1.0063	1.0009	6.306	1.0010
#2	1.0018	1.0047	1.0677	1.0023	1.0020	6.350	1.0034

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 3.000 3.000 3.000 3.000 3.000 171.0 3.000

Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0054	1.0853	1.0704	1.0675	1.0041	-1.0015	1.287
SDev	1.0001	1.0005	1.0011	1.0014	1.0016	1.0022	0.096
%RSD	1.089	1.6523	1.546	2.070	40.108	145.6	7.469
#1	1.0053	1.0829	1.0712	1.0685	1.0029	-1.0031	1.219
#2	1.0054	1.0857	1.0696	1.0665	1.0053	1.0000	1.355
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	1.6254
SDev	1.0228
%RSD	3.1637
#1	1.6093
#2	1.6416
Errors	LC Pass
High	50.00
Low	-1.5000

TotStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	46527	--	--	--	--	--	--
SDev	38.36054	--	--	--	--	--	--
%RSD	1.0824484	--	--	--	--	--	--
#1	46554	--	--	--	--	--	--
#2	46500	--	--	--	--	--	--

Method: GCAP4HT Sample Name: 0061 Operator: SD
 Run Time: 10/26/00 19:25:54
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0003	-1.0087	-1.0006	1.0010	-1.0001	-1.0002	1.0032
SDev	1.0000	1.0001	1.0011	1.0002	1.0000	1.0000	1.0011
%RSD	10.52	1.6027	193.5	15.79	17.08	7.484	33.81
#1	-1.0003	-1.0088	1.0002	1.0012	-1.0001	-1.0002	1.0040
#2	-1.0003	-1.0087	-1.0013	1.0009	-1.0001	-1.0002	1.0025
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	ppm	opm	ppm	opm	ppm
Avgc	.0001	-.0001	.0000	-.0006	.0208	.0031	-.0001
SDev	.0000	.0005	.0001	.0001	.0084	.0000	.0000
%RSD	43.56	435.5	343.8	20.66	40.42	.0621	60.30

#1	.0001	.0002	.0001	-.0005	.0268	.0031	-.0000
#2	.0001	-.0004	-.0000	-.0007	.0149	.0031	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	ppm	ppm	ppm	ppm	ppm
Avgc	.0014	-.0007	.0002	.0031	-.0002	.0387	-.0058
SDev	.0003	.0005	.0004	.0007	.0014	.0069	.0025
%RSD	22.62	68.99	177.0	22.85	616.2	17.70	43.89

#1	.0011	-.0003	.0006	.0026	-.0012	.0436	-.0075
#2	.0016	-.0010	-.0001	.0036	.0008	.0339	-.0040

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	1960/1	1960/2	Na3302
Units	opm	opm	ppm	ppm	opm	opm	ppm
Avgc	.0002	.0007	-.0002	.0002	.0015	-.0015	.1615
SDev	.0001	.0001	.0001	.0006	.0019	.0012	.0275
%RSD	34.11	27.61	59.10	279.8	138.5	93.00	17.05

#1	.0002	.0006	-.0001	.0006	.0000	-.0022	.1809
#2	.0001	.0008	-.0003	-.0002	.0027	-.0005	.1420

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avgc	.0788
SDev	.0074
%RSD	9.364

#1	.0840
#2	.0735

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavlen	571.036	--	--	--	--	--	--

Avg	46019	--	--	--	--	--	--
SDev	18.06713	--	--	--	--	--	--
%RSD	.0392606	--	--	--	--	--	--
#1	46006	--	--	--	--	--	--
#2	46032	--	--	--	--	--	--

Method: ICP-AES Sample Name: GCV10 Operator: S

Run Time: 10/26/00 19:31:08

Comment:
Inlet: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5098	-.0084	2.588	2.397	2.387	H2.642	.0052
SDev	.0007	.0015	.006	.002	.000	.002	.0002
%RSD	.1437	18.38	.2446	.0624	.0130	.0789	4.658
#1	.5103	-.0073	2.585	2.396	2.387	H2.644	.0055
#2	.5093	-.0094	2.592	2.398	2.387	H2.641	.0050

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC High	NOCHECK
High	.5250		2.675	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.657	H2.630	H2.675	2.397	.5912	-.0040	2.614
SDev	.000	.003	.002	.001	.0040	.0011	.005
%RSD	.0007	.1092	.0875	.0300	.6722	27.78	.1017
#1	H2.657	H2.632	H2.676	2.398	.5940	-.0032	2.616
#2	H2.657	H2.628	H2.673	2.397	.5884	-.0048	2.612

Errors	LC High	LC High	LC High	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.622	2.571	H2.636	2.537	2.537	.3182	2.566
SDev	.035	.003	.001	.003	.039	.0081	.004
%RSD	1.316	.1099	.0405	.1171	1.538	2.544	.1558
#1	2.598	2.573	H2.637	2.539	2.509	.3239	2.563
#2	H2.647	2.569	H2.636	2.535	2.564	.3125	2.568

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.566	H2.651	2.612	2.648	2.498	2.556	48.95
SDev	.001	.005	.003	.005	.030	.044	.108
%RSD	.0340	.1630	.0962	.1088	1.182	1.712	.1570

#1	2.566	H2.854	2.611	2.650	2.477	2.525	49.00
#2	2.565	H2.847	2.614	2.646	2.518	2.587	48.89
Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.575	2.375					47.50

Elem K_7684
 Units ppm
 Avge 24.71
 SDev .104
 %RSD .1458

#1 24.24
 #2 24.19

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Multiplier	371.630	--	--	--	--	--	--
Avge	45624	--	--	--	--	--	--
SDev	216.7973	--	--	--	--	--	--
%RSD	.4751872	--	--	--	--	--	--
#1	45470	--	--	--	--	--	--
#2	45777	--	--	--	--	--	--

Method: ICP-AES Sample Name: COV11 Operator: SD
 Run Time: 10/26/00 19:36:13
 Comment:
 Folder: CDND Corr. Factor: 1

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0000	48.69	1.0124	1.0094	1.0008	1.0004	H54.35
SDev	1.0002	.105	1.0038	.0010	1.0002	1.0003	.110
%RSD	2152.	.0947	50.34	10.21	30.19	82.97	.1925

#1 1.0001 48.72 1.0151 1.0101 1.0006 1.0006 H54.28
 #2 1.0001 48.65 1.0097 1.0087 1.0010 1.0002 H54.42

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0011	1.0007	1.0032	1.0005	H52.60	52.49	1.0033
SDev	1.0005	1.0003	1.0001	1.0001	.106	.106	1.0003
%RSD	44.11	40.62	2.320	21.61	1177	1052	7.928

#1 1.0014 1.0009 1.0033 1.0004 H52.56 52.45 1.0035
 #2 1.0007 1.0005 1.0051 1.0006 H52.65 H52.55 1.0031

Errors High Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 52.50	LC Pass 52.50	NOCHECK
					47.50	47.50	
Elem Units	Mo2020 oom	Ni2316 oom	Pb2203 oom	Sb2068 oom	Se1960 oom	Si2881 oom	Ti1908 oom
Avgc	.0261	.0056	.0019	.0061	.0353	85.23	-.0053
SDev	.0091	.0001	.0006	.0001	.0140	.05	.0028
%RSD	34.91	4.164	32.86	2.417	42.22	.0600	85.67

#1	.0326	.0035	.0014	.0062	.0432	88.19	-.0053
#2	.0197	.0037	.0023	.0060	.0233	88.26	-.0013

Errors High Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass 94.00	NOCHECK
						77.00	

Elem Units	V_2924 oom	Zn2062 oom	Z203/1 oom	Z203/2 oom	1960/1 oom	1960/2 oom	Na3507 oom
Avgc	.0023	.0029	.0199	-.0074	.0359	.0316	.1911
SDev	.0002	.0000	.0009	.0005	.0145	.0138	.1119
%RSD	9.019	.1032	4.610	6.388	40.43	43.68	58.57

#1	.0024	.0029	.0193	-.0077	.0462	.0414	.1119
#2	.0021	.0029	.0206	-.0071	.0257	.0216	.2702

Errors High Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
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Elem Units	K_7664 oom
Avgc	.1255
SDev	.0013
%RSD	1.038

#1	.1262
#2	.1244

Errors High Low	NOCHECK
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Instid	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.050	--	--	--	--	--	--
Chan	45328	--	--	--	--	--	--
SDev	3.46371E	--	--	--	--	--	--
%RSD	.0076350	--	--	--	--	--	--
#1	45328	--	--	--	--	--	--
#2	45331	--	--	--	--	--	--

Method: ICP-AES
 Run Time: 10/26/00 19:41:38
 Comment:
 Code: 0000 Corr. Factor: 1

Operator: SP

Element	Ag3780	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0004	0.0076	0.0057	0.0021	0.0000	0.0000	0.0124
SD	0.0002	0.0042	0.0021	0.0002	0.0000	0.0000	0.0055
RRSD	40.78	53.12	36.50	8.134	1.174	435.2	44.31

#1	-0.0005	0.0106	0.0052	0.0023	0.0000	0.0000	0.0165
#2	-0.0005	0.0046	0.0022	0.0020	0.0000	-0.0000	0.0085

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Element	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	-0.0001	0.0000	-0.0013	0.0318	0.0156	-0.0000
SD	0.0001	0.0003	0.0001	0.0002	0.0091	0.0034	0.0001
RRSD	28.63	341.5	382.3	17.33	28.50	21.60	748.8

#1	0.0001	0.0001	0.0001	-0.0014	0.0382	0.0180	0.0001
#2	0.0002	-0.0003	-0.0001	-0.0011	0.0254	0.0133	-0.0001

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Element	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0065	-0.0006	-0.0004	0.0020	0.0068	0.0771	-0.0026
SD	0.0011	0.0003	0.0006	0.0035	0.0024	0.0211	0.0028
RRSD	16.32	55.21	125.4	172.4	34.88	27.31	104.6

#1	0.0072	-0.0004	-0.0008	-0.0004	0.0085	0.0920	-0.0007
#2	0.0057	-0.0009	-0.0001	0.0045	0.0051	0.0622	-0.0046

Errors High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.0000	-0.0100

Element	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0001	-0.0006	-0.0006	0.0096	0.0051	0.1102
SD	0.0002	0.0003	0.0020	0.0018	0.0038	0.0017	0.0255
RRSD	106.2	399.6	353.5	284.8	39.08	32.89	23.18

#1	0.0004	-0.0001	0.0008	-0.0019	0.0123	0.0063	0.1283
#2	0.0001	0.0003	-0.0020	0.0007	0.0070	0.0039	0.0921

Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low	-0.0020	-0.0200					-0.5000

Element: K_7664

Units ppm
 Avge 11046
 SDev 10071
 KRSD 21034

#1 11061
 #2 11031

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	46754	--	--	--	--	--	--
SDev	11.13693	--	--	--	--	--	--
KRSD	.0238205	--	--	--	--	--	--
#1	46761	--	--	--	--	--	--
#2	46746	--	--	--	--	--	--

Method: GCAP4HT Sample Name: A100326-4 Operator: SD
 Run Time: 10/26/00 19:46:55
 Comment:
 Mode: GUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10003	42.87	10125	11154	19311	10017	34.55
SDev	10000	.04	10019	10011	10005	10000	.16
KRSD	7.617	.0834	15.59	19290	.0580	.4788	1841
#1	10003	42.89	10111	11147	19315	10017	34.42
#2	10003	42.84	10139	11162	19307	10018	34.64

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.000 -1.0040 -1.000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10013	10513	10646	11677	50.70	24.93	2.039
SDev	10000	10001	10003	10001	.04	.02	1.007
KRSD	11156	11977	14312	10472	10868	10754	10859
#1	10013	10514	10644	11677	50.66	24.92	2.036
#2	10013	10513	10648	11678	50.73	24.94	2.040

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10097	10741	4.954	0.503	10059	132.8	1.0029

SDev	.0002	.0008	.004	.0005	.0019	.3	.0025
%RSD	1.958	1.144	.0888	1.658	55.19	.2353	88.77
#1	.0096	.0735	4.958	.0307	.0045	132.6	-.0046
#2	.0098	.0747	4.951	.0300	.0072	133.0	-.0011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	opm	opm	opm	opm	opm	ppm	opm
Avg	.1672	.3897	4.893	4.985	.0114	.0028	7.275
SDev	.0000	.0017	.000	.007	.0034	.0012	.043
%RSD	.0227	.4286	.0022	.1313	30.04	43.05	.5972

#1	.1672	.3885	4.893	4.990	.0090	.0020	7.245
#2	.1672	.3909	4.893	4.980	.0138	.0037	7.306

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	opm
Avg	8.182
SDev	.004
%RSD	.0457

#1	8.185
#2	8.180

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
Avg	50872	--	--	--	--	--	--
SDev	16.08668	--	--	--	--	--	--
%RSD	.0316578	--	--	--	--	--	--
#1	50834	--	--	--	--	--	--
#2	50811	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100326-5 Operator: SD
 Run Time: 10/26/00 19:57:05
 Comment:
 Mode: CONC Conc. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	84.76	.0298	.0576	1.509	.0032	4100.2
SDev	.0001	.117	.0019	.0007	.001	.0000	.10

%RSD	39.92	.1384	6.399	.3583	.0564	.0500	.0287
#1	.0001	84.84	.0311	.0577	1.809	.0032	H100.2
#2	.0003	84.68	.0284	.0574	1.808	.0032	H100.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr7677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0019	.0380	.1660	.1098	H116.6	23.82	1.568
Stdev	.0001	.0000	.0000	.0001	.0	.01	.000
%RSD	4.846	.0466	.0031	.1287	.0134	.0402	.0191
#1	.0020	.0380	.1660	.1099	H116.7	23.82	1.567
#2	.0019	.0380	.1660	.1097	H116.6	23.81	1.568
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0020	.1457	.1296	.0045	.0060	147.7	-.0087
Stdev	.0002	.0002	.0012	.0049	.0012	.3	.0002
%RSD	12.25	.1454	.9122	109.8	19.56	.1808	2.066
#1	.0018	.1455	.1304	.0079	.0051	147.5	-.0088
#2	.0021	.1458	.1287	.0010	.0068	147.9	-.0085
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3333	.2940	.1575	.1154	.0220	-.0022	7.903
Stdev	.0002	.0000	.0009	.0013	.0017	.0009	.009
%RSD	.0632	.0107	.5553	1.140	7.590	41.06	.1155
#1	.3331	.2876	.1579	.1163	.0208	-.0029	7.910
#2	.3334	.2939	.1567	.1145	.0232	-.0016	7.897
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	12.18						
Stdev	.02						
%RSD	.1671						
#1	12.19						
#2	12.16						

Errors LC Pass
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avgc	51809	--	--	--	--	--	--
SDev	156.165e	--	--	--	--	--	--
SRSD	.3014282	--	--	--	--	--	--
#1	51919	--	--	--	--	--	--
#2	51698	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100326-6 Operator: SD
 Run Time: 10/26/00 19:57:24
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1690	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0055	78.58	.0268	.0815	2.039	.0015	H121.4
SDev	.0001	.03	.0004	.0000	.002	.0000	.2
SRSD	1.550	.0405	1.693	.0236	.0982	.3077	.1576
#1	.0054	78.53	.0265	.0815	2.040	.0015	H121.7
#2	.0056	78.58	.0271	.0815	2.037	.0015	H121.5

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0050	.0849	.1902	.2481	H136.4	43.21	2.997
SDev	.0002	.0004	.0003	.0000	.1	.04	.002
SRSD	5.175	.3147	.1529	.0052	.0370	.0999	.0531
#1	.0057	.0852	.1900	.2480	H136.3	43.18	2.996
#2	.0049	.0846	.1904	.2481	H136.4	43.24	2.998

Errors LC Pass LC Pass LC Pass LC Pass LC High LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0037	.1795	.6047	.0020	.0075	120.0	-1.0008
SDev	.0009	.0005	.0010	.0076	.0000	.2	.0012
SRSD	25.43	.2722	.1714	578.7	.3696	.1447	150.1
#1	.0031	.1792	.6040	-1.0034	.0075	119.9	-1.0017
#2	.0044	.1799	.6055	.0075	.0075	120.1	.0000

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2762	1.861	1.6210	1.5963	1.0265	-1.0022	3.877
SDev	1.0005	1.001	1.0022	1.0027	1.0003	1.0001	1.093
%RSD	1.1854	1.0768	1.3533	1.4445	1.1104	4.854	2.390
#1	1.2759	1.860	1.6225	1.5945	1.0263	-1.0021	3.812
#2	1.2766	1.862	1.6194	1.5982	1.0267	-1.0022	3.943
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	16.37
SDev	1.01
%RSD	1.0420

#1	16.38
#2	16.37

Errors	LC Pass
High	50.00
Low	-1.5000

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avg	52777	--	--	--	--	--	--
SDev	57.66511	--	--	--	--	--	--
%RSD	1.092625	--	--	--	--	--	--
#1	52617	--	--	--	--	--	--
#2	52736	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100332-1 Operator: SD
 Run Time: 10/26/00 20:02:47
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0003	1.1281	-1.0005	1.1195	1.0307	-1.0001	15.19
SDev	1.0001	1.0114	1.0004	1.0001	1.0003	1.0000	1.01
%RSD	37.08	8.975	82.75	11037	1.8114	1.5900	1.0531
#1	-1.0003	1.1367	-1.0002	1.1196	1.0309	-1.0001	15.19
#2	-1.0002	1.1200	-1.0007	1.1194	1.0305	-1.0001	15.18
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	-.0002	.0016	.0147	.0740	19.25	.0023
SDev	.0001	.0003	.0001	.0000	.0161	.00	.0003
%RSD	9.045	154.7	5.949	.1597	21.81	.0045	14.95

#1	.0016	-.0004	.0015	.0147	.0854	19.23	.0026
#2	.0018	.0000	.0017	.0147	.0626	19.24	.0021

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2516	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0016	.0010	.0015	.0010	.0006	13.19	-.0004
SDev	.0002	.0008	.0007	.0006	.0015	.10	.0025
%RSD	12.83	83.77	43.44	59.21	260.2	.7526	684.1

#1	.0015	.0004	.0020	.0006	.0016	13.26	-.0021
#2	.0017	.0015	.0011	.0015	-.0005	13.12	.0014

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0050	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0027	.0180	.0030	.0006	.0038	-.0013	41.64
SDev	.0002	.0001	.0007	.0007	.0015	.0015	.07
%RSD	7.535	.7396	22.76	116.1	38.45	111.1	.1746

#1	.0021	.0181	.0035	.0011	.0048	-.0003	41.59
#2	.0023	.0179	.0025	.0001	.0028	-.0024	41.69

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	1.620
SDev	.002
%RSD	.1102

#1	1.621
#2	1.619

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	571.050	--	--	--	--	--	--

Avge	46723	--	--	--	--	--	--
SDev	35.88567	--	--	--	--	--	--
%RSD	.0768073	--	--	--	--	--	--
#1	46747	--	--	--	--	--	--
#2	46696	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100352-1 Operator: S
 Run Time: 10/26/00 20:07:54
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0002	.1517	.0007	.5197	.0059	-.0001	29.35
SDev	.0001	.0034	.0009	.0023	.0000	.0000	.06
%RSD	55.96	2.250	127.9	.4478	.1317	8.819	.2055
#1	-.0001	.1493	.0013	.5180	.0059	-.0001	29.31
#2	-.0003	.1541	.0001	.5213	.0059	-.0001	29.40

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0050	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0001	.0003	.0006	.0086	.1063	25.54	.1268
SDev	.0002	.0002	.0001	.0003	.0013	.03	.0003
%RSD	326.4	62.49	19.01	3.295	1.179	.1369	.2260
#1	.0002	.0005	.0007	.0089	.1054	25.51	.1268
#2	-.0001	.0002	.0005	.0084	.1072	25.56	.1270

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0083	.0042	.0018	.0013	.0006	10.79	-.0001
SDev	.0013	.0007	.0001	.0024	.0006	.02	.0011
%RSD	18.00	15.84	3.943	185.9	93.67	.1424	324.2
#1	.0073	.0047	.0018	-.0004	.0002	10.81	.0007
#2	.0094	.0037	.0017	.0030	.0010	10.78	-.0009

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0338	.0042	.0003	.0049	-.0019	1196.6
SDev	.0000	.0003	.0013	.0008	.0021	.0002	.7
%RSD	.0755	.9390	31.77	299.2	41.72	9.799	.1186

#1	.0011	.0336	.0035	.0008	.0035	-.0018	H196.8
#2	.0011	.0340	.0052	-.0003	.0064	-.0020	H196.4
Errors High	LC Pass 5.000	LC Pass 5.000	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High 100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 22.59
 SDev .03
 %RSD .1295

#1	22.61
#2	22.57

Errors High	LC Pass 50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Concn	371.030	--	--	--	--	--	--
Avge	45810	--	--	--	--	--	--
SDev	21.77944	--	--	--	--	--	--
%RSD	.0475433	--	--	--	--	--	--

#1	45825	--	--	--	--	--	--
#2	45794	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100352-2 Operator: SD
 Run Time: 10/26/00 20:13:08
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0032	2.869	.0009	.4930	.0476	-.0001	32.67
SDev	.0001	.0000	.0001	.0008	.0000	.0000	.02
%RSD	1.701	.0118	11.17	.1714	.0485	.3332	.0594

#1	.0031	2.869	.0009	.4924	.0476	-.0001	32.66
#2	.0032	2.869	.0008	.4936	.0476	-.0001	32.69

Errors High	LC Pass 1.000	LC Pass 100.0	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 5.000	LC Pass 100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0018	.0098	.0620	1.594	24.67	.1628
SDev	.0001	.0001	.0001	.0001	.010	.00	.0001
%RSD	25.13	7.215	1.061	.0947	.6395	.0040	.0280

#1	.0004	.0019	.0097	.0620	1.586	24.67	.1627
#2	.0006	.0017	.0098	.0621	1.601	24.68	.1628

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	1.0108	1.0127	1.0092	1.0029	-1.0002	14.38	1.0008
SDev	1.0002	1.0005	1.0004	1.0001	1.0004	1.01	1.0017
%RSD	2.005	4.139	4.381	5.075	234.2	1.0734	200.0

#1	1.0106	1.0131	1.0089	1.0028	1.0001	14.37	-1.0003
#2	1.0109	1.0125	1.0095	1.0030	-1.0005	14.39	1.0020

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	1.0022	1.1647	1.0105	1.0083	1.0052	-1.0032	H183.8
SDev	1.0001	1.0006	1.0013	1.0001	1.0007	1.0003	1
%RSD	5.115	1.3855	12.77	1.7860	15.77	8.708	1.0277

#1	1.0022	1.1647	1.0095	1.0083	1.0057	-1.0030	H183.9
#2	1.0023	1.1638	1.0114	1.0082	1.0047	-1.0034	H183.8

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	k_7664
Units	opm
Avgc	22.61
SDev	1.01
%RSD	1.0234

#1	22.61
#2	22.61

Errors	LC Pass
High	50.00
Low	-1.5000

Int.Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wave	371.030	--	--	--	--	--	--
Wave	46044	--	--	--	--	--	--
SDev	40.09240	--	--	--	--	--	--
%RSD	1.0870736	--	--	--	--	--	--
#1	46073	--	--	--	--	--	--
#2	46016	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100225-1

Operator: SJ

Run Time: 10/26/00 20:18:22

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	10187	8.079	1.0076	2.178	1.1431	-1.0001	98.79
SDev	1.0000	1.000	1.0003	1.004	1.0000	1.0000	1.13
SRSD	1.2040	1.0009	3.345	1.1974	1.0177	8.680	1.1290
#1	10187	8.079	1.0078	2.175	1.1431	-1.0001	98.88
#2	10187	8.079	1.0074	2.181	1.1431	-1.0001	98.70

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0022	1.0141	1.0285	1.1584	6.981	31.54	1.6849
SDev	1.0007	1.0001	1.0003	1.0002	1.007	1.05	1.0008
SRSD	8.804	1.6253	1.224	1.1444	1.0951	1.1562	1.1248
#1	1.0023	1.0142	1.0287	1.1582	6.976	31.57	1.6853
#2	1.0020	1.0141	1.0282	1.1585	6.985	31.50	1.6843

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0030

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.459	1.0514	1.0658	1.0236	1.0178	60.62	1.0008
SDev	1.057	1.0005	1.0020	1.0023	1.0008	1.03	1.0003
SRSD	3.824	1.9852	3.021	9.669	4.272	1.0424	33.98
#1	1.459	1.0511	1.0672	1.0219	1.0184	60.64	1.0010
#2	1.540	1.0518	1.0644	1.0252	1.0173	60.60	1.0006

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Z220371	Z220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0576	1.7244	1.0712	1.0629	1.0267	1.0130	H2025.
SDev	1.0001	1.0006	1.0007	1.0031	1.0006	1.0008	1.2
SRSD	1.2343	1.0781	1.2694	4.895	2.285	6.402	1.1119
#1	1.0577	1.7248	1.0710	1.0650	1.0271	1.0136	H2026.
#2	1.0576	1.7240	1.0713	1.0607	1.0263	1.0124	H2023.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem: X_7824

Units ppm
 Avge H109.0
 SDev .1
 RSD 0747

#1 H109.1
 #2 H109.0

Errors LC High
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	40882	--	--	--	--	--	--
SDev	191.3083	--	--	--	--	--	--
RSD	.4685269	--	--	--	--	--	--
#1	40897	--	--	--	--	--	--
#2	40967	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100223-2 Operator: SD
 Run Time: 10/26/00 20:23:56
 Comment:
 Code: COND Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0030	1.747	1.0122	1.352	1.2843	-1.0001	H343.0
SDev	1.0001	1.004	1.0011	1.000	1.0002	1.0000	.1
RSD	2.065	.2377	9.115	1.0033	.0829	1.487	.0396
#1	1.0030	1.750	1.0130	1.351	1.2844	-1.0001	H342.9
#2	1.0031	1.745	1.0114	1.352	1.2841	-1.0001	H343.1

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
 High 1.000 100.0 3.000 3.000 3.000 3.000 100.0
 Low -1.0050 -1.000 -1.0040 -1.000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0010	.0038	.0153	.1181	2.642	49.02	.1556
SDev	1.0001	1.0001	1.0001	1.0001	1.004	1.00	1.0002
RSD	4.766	3.133	.5647	1.028	.1413	1.0005	.1139
#1	1.0011	.0039	.0154	.1182	2.644	49.03	.1557
#2	1.0010	.0037	.0153	.1181	2.639	49.02	.1555

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 3.000 3.000 3.000 3.000 100.0 100.0 3.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2070	Ni2316	Pb2203	Se2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1331	.0625	.0075	.0154	.0377	31.74	.0030

SDev	.0082	.0000	.0022	.0029	.0007	.04	.0000
%RSD	5.355	.0484	29.24	19.04	1.951	.1270	.2997
#1	.1589	.0625	.0090	.0175	.0372	31.77	.0030
#2	.1473	.0626	.0059	.0133	.0382	31.71	.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0172	.5032	.0103	.0057	.0433	.0346	H1849.
SDev	.0002	.0025	.0015	.0025	.0016	.0003	1.
%RSD	.9736	.4996	14.77	44.05	3.680	.8100	.0756

#1	.0173	.5014	.0114	.0075	.0422	.0344	H1850.
#2	.0171	.5049	.0092	.0039	.0444	.0348	H1848.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	H148.0
SDev	.13
%RSD	.2242

#1	H148.2
#2	H147.7

Errors	LC High
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avg	39815	--	--	--	--	--	--
SDev	59.14838	--	--	--	--	--	--
%RSD	.1485589	--	--	--	--	--	--
#1	39857	--	--	--	--	--	--
#2	39775	--	--	--	--	--	--

Method: ICP4A1 Sample Name: A100223-5 Operator: SU
 Date Time: 10/26/00 20:28:50
 Element:
 Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	3.355	.0086	3.602	.0309	.0003	41.87
SDev	.0006	.007	.0014	.000	.0000	.0000	.12

%RSD	59.19	.0475	16.03	.0094	.0922	2.349	.5042
#1	.0018	5.355	.0076	3.605	.0309	.0003	42.02
#2	.0007	5.356	.0093	3.602	.0308	.0003	41.72
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0050	-.1000	-.5040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0020	.0085	.0271	1.589	59.92	.1016
SDev	.0002	.0006	.0002	.0001	.009	.22	.0005
%RSD	80.46	30.56	2.327	.3164	.5875	.3606	.4682
#1	.0004	.0024	.0086	.0272	1.596	60.07	.1019
#2	.0001	.0015	.0085	.0271	1.582	59.77	.1015
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2140	.0426	.0057	.0019	.1779	34.04	.0030
SDev	.0037	.0002	.0000	.0009	.0021	.02	.0014
%RSD	1.708	.4918	.1474	46.08	1.162	.0688	47.14
#1	.2114	.0428	.0057	.0013	.1794	34.05	.0040
#2	.2166	.0425	.0057	.0025	.1764	34.02	.0020
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0050	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0207	.0934	.0105	.0031	.1820	.1756	H1555.
SDev	.0004	.0013	.0037	.0019	.0004	.0029	.0001
%RSD	1.948	1.426	35.62	60.69	.2352	1.644	.0327
#1	.0210	.0944	.0078	.0044	.1825	.1776	H1554.
#2	.0204	.0925	.0151	.0018	.1817	.1735	H1555.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	41.64						
SDev	.17						
%RSD	.4028						
#1	41.52						
#2	41.76						

Errors LC Pass
High 50.00
Low -1.5000

Instd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avge	44922	--	--	--	--	--	--
SDev	157.1069	--	--	--	--	--	--
RRSD	.3052076	--	--	--	--	--	--
#1	44826	--	--	--	--	--	--
#2	45019	--	--	--	--	--	--

Method: ICP4RI Sample Name: A100223-4 Operator: SD
 Run Time: 10/26/00 20:34:05
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0014	3.341	.0098	77.972	.8972	-1.0000	8910.7
SDev	.0002	.007	.0011	.005	.0004	.0000	.21
RRSD	12.29	1964	11.58	1.0584	.0459	21.40	12309
#1	.0015	3.536	.0090	77.968	.8970	-1.0000	8912.2
#2	.0013	3.346	.0106	77.975	.8975	-1.0000	8909.3

Errors LC Pass LC Pass LC Pass LC High LC Pass LC Pass LC High
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.000 -1.0040 -1.000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1874	.0545	.0086	1.299	7.712	46.35	.3279
SDev	.0000	.0001	.0004	.001	.002	.06	.0002
RRSD	.0033	1.462	4.369	1.0615	1.0271	1.242	.0684
#1	.1874	.0545	.0088	1.298	7.710	46.39	.3281
#2	.1874	.0544	.0083	1.300	7.713	46.30	.3277

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0861	.0176	.0111	.0003	.0121	40.23	.0006
SDev	.0019	.0006	.0015	.0061	.0021	.01	.0049
RRSD	2.184	3.493	13.54	2222.	17.10	.0247	760.8
#1	.0874	.0171	.0100	.0046	.0135	40.24	.0041
#2	.0847	.0180	.0121	-1.0040	.0106	40.22	-1.0028

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 171.0 5.000

Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2067	2203/1	2203/2	1980/1	1980/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0187	.3259	.0190	.0068	.0200	.0078	H948.2
SDev	.0003	.0004	.0012	.0017	.0040	.0011	.5
%RSD	1.647	.1315	6.121	25.31	19.80	14.04	.0297

#1	.0189	.3267	.0182	.0056	.0228	.0085	H948.0
#2	.0185	.3256	.0198	.0080	.0172	.0070	H948.4

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	H113.0
SDev	.1
%RSD	.0346

#1	H113.0
#2	H112.9

Errors	LC High
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	42026	--	--	--	--	--	--
SDev	172.9955	--	--	--	--	--	--
%RSD	.4116415	--	--	--	--	--	--
#1	41905	--	--	--	--	--	--
#2	42148	--	--	--	--	--	--

Method: ICP-AES Sample Name: C051 Operator: SD
 Run Time: 10/26/00 20:39:13
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0004	.0038	-1.0004	.0103	.0002	-1.0001	.4019
SDev	.0003	.0009	.0003	.0022	.0001	.0000	.1866
%RSD	72.25	24.44	71.71	21.31	47.47	.8576	46.42
#1	-1.0006	.0032	-1.0002	.0119	.0002	-1.0001	H.5339
#2	-1.0002	.0045	-1.0006	.0088	.0001	-1.0001	.2700

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.0000	.0040	.0000	.0050	.0010	.5000
Low	-1.0030	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0000	-1.0002	1.0000	-1.0022	1.0271	1.0158	1.0001
SDev	1.0001	1.0001	1.0001	1.0001	1.0021	1.0056	1.0001
%RSD	191.6	35.26	242.2	5.035	7.816	35.05	122.9

#1	1.0001	-1.0003	-1.0000	-1.0021	1.0256	1.0198	1.0001
#2	-1.0000	-1.0002	1.0001	-1.0025	1.0286	1.0119	1.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	H1.0086	-1.0001	1.0004	1.0007	-1.0004	1.0192	-1.0006
SDev	1.0012	1.0004	1.0001	1.0006	1.0013	1.0061	1.0033
%RSD	13.62	449.6	14.92	76.30	338.7	31.74	520.5

#1	H1.0095	1.0002	1.0003	1.0003	-1.0013	1.0235	-1.0030
#2	H1.0078	-1.0003	1.0004	1.0011	1.0005	1.0149	1.0017

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0050	1.0100	1.0100	1.000	1.0100
Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0002	1.0002	1.0011	-1.0005	1.0064	-1.0041	H2.230
SDev	1.0001	1.0002	1.0015	1.0009	1.0001	1.0019	1.566
%RSD	52.93	138.3	134.5	340.9	2.298	47.17	25.40

#1	1.0003	1.0003	1.0022	-1.0009	1.0063	-1.0055	H2.631
#2	1.0001	1.0000	1.0001	1.0004	1.0065	-1.0027	H1.830

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	1.1298
SDev	1.0066
%RSD	5.068

#1	1.1345
#2	1.1257

Errors	LC Pass
High	1.5000
Low	-1.5000

InstId	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
MaxLen	371 030	--	--	--	--	--	--

Avg	47129	--	--	--	--	--	--
SD	99.24354	--	--	--	--	--	--
%RSD	2105787	--	--	--	--	--	--
#1	47059	--	--	--	--	--	--
#2	47199	--	--	--	--	--	--

Method: ICP-AES Sample Name: 00V17 Operator: SP

Run Time: 10/26/00 20:44:34

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5070	1.0022	2.617	2.538	12.353	12.680	1.0573
SD	1.0002	1.0004	1.011	1.005	1.001	1.001	1.0135
%RSD	66.355	20.12	41.82	37.81	8.061	7.848	23.61
#1	1.5068	1.0019	2.610	2.535	12.353	12.679	1.0669
#2	1.5071	1.0025	2.625	2.541	12.357	12.680	1.0478

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC High	NOCHECK
High	1.5250		2.625	2.750	2.625	2.625	
Low	1.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.767	12.674	12.729	2.389	1.5880	1.0019	12.648
SD	1.005	1.001	1.002	1.000	1.0026	1.0011	1.001
%RSD	7.845	7.904	7.861	4.195	6.359	10.35	7.926
#1	12.765	12.675	12.728	2.389	1.5862	1.0011	12.648
#2	12.770	12.675	12.731	2.389	1.5898	1.0026	12.649

Errors	LC High	LC High	LC High	LC Pass	NOCHECK	NOCHECK	LC High
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	12.669	12.726	12.718	2.528	2.564	1.2870	2.623
SD	1.016	1.003	1.001	1.001	1.031	1.0018	1.004
%RSD	7.987	7.874	7.892	3.925	4.027	7.819	3.811
#1	12.658	12.724	12.717	2.527	2.541	1.2883	2.626
#2	12.680	12.728	12.718	2.529	2.586	1.2857	2.620

Errors	LC High	LC High	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zr20371	Zr20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.601	12.968	2.659	2.747	2.507	2.592	48.107
SD	1.002	1.003	1.002	1.003	1.025	1.035	1.06
%RSD	38.55	7.773	37.866	36.53	40.89	39.935	2.2253

#1	2.600	H2.965	2.661	2.745	2.489	2.567	48.03
#2	2.603	H2.972	2.657	2.749	2.525	2.616	48.11

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	24.02
SDev	.00
%RSD	1.0060

#1	24.02
#2	24.02

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Count	371.030	--	--	--	--	--	--
Avge	46508	--	--	--	--	--	--
SDev	112.852e	--	--	--	--	--	--
%RSD	.2426302	--	--	--	--	--	--

#1	46425	--	--	--	--	--	--
#2	46588	--	--	--	--	--	--

Method: ICP-AES Sample Name: COV13 Operator: SD
 Run Time: 10/26/00 20:49:49
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	As_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	48.15	.0160	.0120	-.0007	.0006	H55.47
SDev	.0002	.106	.0072	.0011	.0004	.0004	.04
%RSD	71.54	.1272	45.31	9.531	54.75	67.57	.0676

#1	.0004	48.19	.0211	.0128	-.0004	.0009	H55.45
#2	.0001	48.11	.0109	.0112	-.0009	.0003	H55.50

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0009	.0057	-.0018	H53.02	H52.97	.0035
SDev	.0003	.0001	.0005	.0004	.02	.03	.0004
%RSD	44.01	16.02	5.521	23.50	0334	.0555	11.03

#1	.0010	.0011	.0054	-.0015	H53.00	H52.95	.0038
#2	.0005	.0008	.0050	-.0021	H53.03	H52.99	.0032

Errors High Low NOCHECK NOCHECK NOCHECK NOCHECK LC High 52.50 LC High 52.50 NOCHECK
 Low 47.50 47.50

Elem Mo2020 Ni2316 Pb2203 Sb2068 Se1960 Si2881 Tl1908
 Units ppm ppm ppm ppm ppm ppm ppm
 Avge .0203 .0025 .0010 .0013 .0314 88.79 -.0023
 SDev .0071 .0013 .0007 .0047 .0109 .02 .0011
 %RSD 35.07 49.71 77.15 349.9 34.76 .0184 48.37

#1 .0253 .0034 .0015 .0047 .0391 88.77 -.0031
 #2 .0153 .0016 .0004 -.0020 .0237 88.80 -.0015

Errors High Low NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK LC Pass 94.00 NOCHECK
 Low 77.00

Elem V_2924 Zn2062 2203/1 2203/2 1960/1 1960/2 Na3307
 Units ppm ppm ppm ppm ppm ppm ppm
 Avge .0021 .0027 .0193 -.0085 .0353 .0291 .1503
 SDev .0006 .0004 .0012 .0005 .0083 .0122 .0533
 %RSD 27.79 16.55 6.101 6.067 23.42 42.05 35.48

#1 .0026 .0030 .0201 -.0081 .0412 .0377 .1880
 #2 .0017 .0024 .0185 -.0089 .0295 .0204 .1126

Errors High Low NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

Elem K_7664
 Units ppm
 Avge .0908
 SDev .0024
 %RSD 2.645

#1 .0925
 #2 .0891

Errors High Low NOCHECK

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wave	371.030	--	--	--	--	--	--
Area	45938	--	--	--	--	--	--
SDev	25.49175	--	--	--	--	--	--
%RSD	.0554912	--	--	--	--	--	--

#1 45920 -- -- -- -- --
 #2 45956 -- -- -- -- --

Method: ICP-AES Sample Name: 0051
 Run Time: 10/26/00 20:55:05
 Comment:
 Mode: CONC Corr. Factor: 1

Operator: SD

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0000	0.225	0.032	0.042	0.0001	0.0000	0.0196
SDev	0.0003	0.0066	0.0005	0.0000	0.0000	0.0000	0.0094
RRSD	585.1	29.29	14.72	0.358	9.014	37.77	47.91

#1	-0.0002	0.0771	0.0029	0.0042	0.0001	0.0001	0.0265
#2	0.0003	0.0178	0.0036	0.0042	0.0001	0.0000	0.0130

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.1000	0.0040	0.1000	0.0050	0.0010	0.5000
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0003	0.0003	0.0003	0.0026	0.0406	0.0193	0.0000
SDev	0.0000	0.0003	0.0001	0.0002	0.0108	0.0056	0.0000
RRSD	14.50	86.33	33.82	7.489	26.47	29.15	0.7405

	0.0002	0.0001	0.0002	-0.0024	0.0483	0.0233	0.0000
	0.0003	0.0005	0.0003	-0.0027	0.0330	0.0153	0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0067	0.0003	0.0007	0.0042	0.0067	0.0808	0.0033
SDev	0.0015	0.0003	0.0006	0.0018	0.0010	0.0338	0.0027
RRSD	26.74	126.0	82.19	43.45	15.74	41.80	81.80

#1	0.0080	-0.0005	0.0003	0.0029	0.0074	0.1047	-0.0053
#2	0.0055	-0.0000	0.0011	0.0054	0.0059	0.0569	-0.0014

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	0.0000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.0000	-0.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0001	0.0006	0.0010	0.0085	0.0054	0.1386
SDev	0.0002	0.0001	0.0010	0.0013	0.0052	0.0010	0.0210
RRSD	102.5	130.1	172.5	126.8	60.63	18.63	15.19

	0.0001	0.0000	0.0001	0.0001	0.0122	0.0047	0.1535
#2	0.0004	0.0002	-0.0012	0.0020	0.0049	0.0062	0.1237

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Elem K 7664

Units ppm
 Avge 10866
 SDev 10048
 RSD 91.539

#1 10900
 #2 10832

Errors LC Pass
 High 15000
 Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.050	--	--	--	--	--	--
Avge	47121	--	--	--	--	--	--
SDev	8.16763e	--	--	--	--	--	--
RSD	10173333	--	--	--	--	--	--
#1	47127	--	--	--	--	--	--
#2	47115	--	--	--	--	--	--

Method: (OAP4R) Sample Name: A100223-5 Operator: SD
 Run Time: 10/26/00 21:00:21
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Sr3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0075	2.992	1.0900	49.48	10420	10033	523.1
SDev	1.0005	1.005	1.0018	1.00	10000	10000	2.5
RSD	91.579	11772	2.041	10009	11015	11384	14752

#1	1.0071	2.996	1.0913	49.48	10421	10033	521.3
#2	1.0075	2.989	1.0687	49.48	10420	10033	524.9

Errors	LC Low	LC Pass	LC Low	LC High	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000

Elem	Gd2265	Gd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10040	1.0003	2960	11728	3.827	9.196	14202
SDev	10000	1.0005	10015	10006	1.021	1.025	10010
RSD	12855	54.28	14447	13714	15469	12750	12324

#1	10040	1.0001	2951	11732	3.812	9.178	14195
#2	10040	1.0005	2969	11723	3.842	9.214	14209

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sr2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	427.89	2317	1.0095	2846	3544	22.19	1.0627

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SDev	14	.0003	.0011	.0057	.0077	.03	.0015
%RSD	.4983	.1491	11.63	2.003	2.184	.1233	2.436
#1	H27.79	.2315	L-.0087	.2887	.3489	22.17	L-.0638
#2	H27.99	.2320	L-.0103	.2806	.3595	22.21	L-.0616

Errors	LC High	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0093	.0611	.0056	-.0173	.3572	.3527	H2292.
SDev	.0004	.0006	.0058	.0045	.0108	.0062	3.
%RSD	4.792	1.032	104.2	26.23	3.024	1.754	.1445

#1	.0089	.0607	.0015	-.0141	.3495	.3483	H2294.
#2	.0096	.0616	.0096	-.0206	.3648	.3571	H2289.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000

Elem	K_7664
Units	ppm
Avg	H419.2
SDev	1.6
%RSD	.3899

#1	H420.4
#2	H418.1

Errors	LC High
High	50.00
Low	- .5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avg	38942	--	--	--	--	--	--
SDev	92.56194	--	--	--	--	--	--
%RSD	.2376915	--	--	--	--	--	--
#1	38877	--	--	--	--	--	--
#2	39008	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100223-6 Operator: SD
 Time: 10/26/00 21:05:57
 Comments:
 Mode: CGND Corr. Factor: 1

Elem	Ag3280	As3082	As1890	B_2496	Ba4934	Be3130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0676	11.32	L-.0530	n53.42	.7117	.0085	H565.1
SDev	.0021	.35	.0047	18	.0167	.0003	31.8

%RSD	4.048	5.376	7.962	1.3318	2.274	3.820	5.635
#1	1.0695	11.180	L-0500	H53.55	1.7232	1.0082	H542.6
#2	1.0656	11.125	L-1.0560	H53.30	1.7003	1.0087	H587.6
Errors	LC Pass	LC Pass	LC Low	LC High	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0194	1.0540	H5.318	4.456	51.76	66.89	H28.03
SDev	1.0004	1.0020	1.198	1.163	2.01	2.71	1.99
%RSD	2.134	5.772	3.713	5.647	3.881	4.057	3.532
#1	1.0191	1.0525	H5.179	4.571	50.34	64.97	H27.33
#2	1.0197	1.0554	H5.458	4.341	53.18	68.81	H28.73
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H19.91	3.676	1.4952	1.5285	H7.055	75.44	L-1.0125
SDev	1.39	1.130	1.0165	1.0073	1.068	1.32	1.0048
%RSD	2.942	4.086	3.338	1.382	1.9587	1.4221	38.31
#1	H19.50	3.570	1.4836	1.5337	H7.007	75.67	L-1.0158
#2	H20.33	3.782	1.5069	1.5234	H7.102	75.22	-1.0091
Errors	LC High	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Z20371	Z20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0260	4.910	1.5157	1.4847	7.012	7.076	H2734.
SDev	1.0025	1.364	1.0305	1.0095	1.030	1.117	1.53
%RSD	9.669	7.415	5.905	1.965	1.4313	1.647	1.214
#1	1.0242	4.653	1.4942	1.4779	7.033	6.993	H2757.
#2	1.0278	H5.167	1.5372	1.4914	6.990	7.158	H2710.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	H547.4						
SDev	14.1						
%RSD	2.574						
#1	H557.4						
#2	H537.5						

Errors High 50.00 Low -1.5000

Table with 8 columns: Instid, Mode, Counts, and elements 1-7. Data includes counts and various statistical values for each element.

Method: ICP4HI Sample Name: 0061 Operator: SD Run Time: 10/26/00 21:10:57 Comment: Mode: CGNC Corr. Factor: 1

Table with 8 columns: Element (Ag, Al, As, S, Sa, Se, Ca), Units, ppm, Avg, SD, and counts #1/#2.

Errors High 1.0030 Low -1.0030

Table with 8 columns: Element (Cd, Co, Cr, Cu, Fe, Mg, Mn), Units, ppm, Avg, SD, and counts #1/#2.

Errors High 1.0010 Low -1.0010

Table with 8 columns: Element (Mo, Ni, Pb, Sb, Se, Si, Ti), Units, ppm, Avg, SD, and counts #1/#2.

Errors High 1.0050 Low -1.0050

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Low	- 0050	- 0050	- 0030	- 0100	- 0100	- 1 000	- 0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0004	1.0006	1.0002	1.0003	1.0449	1.0503	H2.192
SDev	0.0004	0.0003	0.0005	0.0005	0.0138	0.0172	1.160
%RSD	101.18	47.18	256.4	172.0	30.79	34.20	52.89

#1	1.0001	0.0008	1.0002	1.0001	1.0547	1.0625	H3.012
#2	1.0006	1.0004	1.0005	1.0007	1.0351	1.0382	H1.372

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	1.0020	1.0200					1.5000
Low	- 1.0020	- 1.0200					- 1.5000

Elem	K_7664
Units	ppm
Avg	1.2659
SDev	1.1430
%RSD	53.77

#1	1.3670
#2	1.1648

Errors	LC Pass
High	1.5000
Low	- 1.5000

InstId	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avg	50048	--	--	--	--	--	--
SDev	69.5450e	--	--	--	--	--	--
ARSD	1.1389565	--	--	--	--	--	--
#1	50097	--	--	--	--	--	--
#2	49999	--	--	--	--	--	--

Method: ICP4HT Sample Name: A100546-9-50 8821CP1 Operator: SD
 Run Time: 10/26/00 Zitle:0e
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3260	Al5082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0116	1.0008	1.0261	1.0001	1.0002	1.0557
SDev	1.0000	1.0011	1.0012	1.0008	1.0000	1.0000	1.0017
%RSD	18.49	9.817	146.9	3.169	50.17	6.784	5.096
#1	1.0002	1.0108	1.0000	1.0267	1.0001	1.0002	1.0569
#2	1.0003	1.0060	0.9916	1.0253	1.0001	1.0002	1.0545

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	- 1.0050	- 1.000	- 1.0040	- 1.1000	- 1.0050	- 1.0010	- 1.5000

Elem	Cd2265	Co2286	Cr2677	Cu5247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	opm	opm	opm	opm
Avge	1.0001	-1.0003	-1.0004	-1.0023	1.0274	1.0127	1.0005
SDev	1.0001	1.0003	1.0002	1.0003	1.0123	1.0017	1.0001
%RSD	136.14	97.62	34.03	10.85	45.04	13.25	26.13

#1	1.0001	-1.0001	-1.0006	-1.0021	1.0361	1.0139	1.0005
#2	1.0000	-1.0003	-1.0003	-1.0023	1.0187	1.0113	1.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	opm	opm	opm	opm	opm	opm	opm
Avge	1.0536	-1.0009	-1.0002	1.0049	1.0176	1.0041	-1.0043
SDev	1.0111	1.0003	1.0015	1.0014	1.0050	1.0032	1.0005
%RSD	20.71	28.45	803.0	29.13	28.20	77.84	11.85

#1	1.0615	-1.0011	-1.0012	1.0059	1.0211	1.0063	-1.0046
#2	1.0458	-1.0007	1.0009	1.0039	1.0141	1.0016	-1.0039

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avge	1.0000	1.0067	1.0018	-1.0014	1.0180	1.0171	2.151
SDev	1.0001	1.0002	1.0013	1.0016	1.0061	1.0044	1.152
%RSD	250.14	2.996	72.85	110.9	33.61	25.84	7.148

#1	1.0001	1.0066	1.0009	-1.0026	1.0223	1.0202	2.239
#2	-1.0000	1.0069	1.0027	-1.0003	1.0137	1.0140	2.023

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	opm
Avge	1.1253
SDev	1.0067
%RSD	5.341

#1	1.1300
#2	1.1206

Errors	LC Pass
High	50.00
Low	-1.5000

Instid	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
waven	571.030	--	--	--	--	--	--

Avg	49957	--	--	--	--	--	--
SDev	54.69582	--	--	--	--	--	--
%RSD	.109485e	--	--	--	--	--	--
#1	49996	--	--	--	--	--	--
#2	49918	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100546-9-L1 3005 Operator: SU

Run Time: 10/26/00 21:21:21

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0428	1.888	.1049	1.024	.0910	.0110	21.91
SDev	.0004	.001	.0014	.002	.0000	.0000	.01
%RSD	.9319	.0779	1.340	1.649	.0463	.0803	.0296
#1	.0430	1.889	.1059	1.025	.0910	.0110	21.90
#2	.0425	1.887	.1059	1.023	.0910	.0110	21.91

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0050	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0114	.1075	.0444	.0344	1.047	20.67	.0430
SDev	.0001	.0001	.0002	.0001	.000	.01	.0000
%RSD	.7444	.0555	4.149	3.601	.0427	.0317	.0618
#1	.0115	.1073	.0445	.0345	1.047	20.68	.0431
#2	.0114	.1073	.0442	.0343	1.047	20.67	.0430

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2703	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1259	.1092	.1103	.0003	.1013	.0732	.0982
SDev	.0026	.0002	.0004	.0001	.0073	.0062	.0048
%RSD	2.024	1.581	3.570	39.31	7.232	8.410	4.901
#1	.1277	.1093	.1100	.0002	.0962	.0688	.0952
#2	.1241	.1091	.1106	.0004	.1065	.0775	.0948

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0420	.1405	.1098	.1103	.1045	.0994	20.03
SDev	.0002	.0005	.0006	.0003	.0036	.0092	.22
%RSD	4.570	3.799	5.516	2.908	3.432	9.252	1.074

#1	.0421	.1401	.1094	.1101	.1020	.0929	20.19
#2	.0419	.1409	.1102	.1105	.1071	.1059	19.88
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem K_7664
 Units ppm
 Avge 17.92
 SDev .100
 %RSD .0262

#1 17.92
 #2 17.92

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Counts	3711030	--	--	--	--	--	--
StdDev	48810	--	--	--	--	--	--
SDev	29.94708	--	--	--	--	--	--
%RSD	.0613542	--	--	--	--	--	--

#1 48789 -- -- -- -- -- --
 #2 48831 -- -- -- -- -- --

Method: ICP-AES Sample Name: A100546-9-L2 Operator: SD

Run Time: 10/26/00 21:26:55

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Ca3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0428	1.911	1.056	1.024	.0914	.0111	22.17
SDev	.0001	.005	.0078	.001	.0001	.0000	.06
%RSD	.3480	.1448	7.385	.0937	.1242	.3000	.2700

#1 .0427 1.915 1.001 1.025 .0915 .0111 22.12
 #2 .0429 1.909 1.112 1.024 .0913 .0111 22.21

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0114	.1082	.0445	.0346	1.060	20.89	.0432
SDev	.0001	.0007	.0002	.0000	.006	.05	.0001
%RSD	.7574	.6705	.4839	.0049	.5590	.2259	.1128

#1 .0115 .1077 .0443 .0346 1.056 20.86 .0431
 #2 .0114 .1087 .0446 .0346 1.063 20.92 .0432

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.1185	.1096	.1114	.0013	.1033	.0628	.1013
SDev	.0003	.0010	.0006	.0011	.0032	.0015	.0028
%RSD	.2658	.9325	.5418	84.53	3.102	2.369	2.772

#1	.1183	.1089	.1110	.0020	.1010	.0639	.0994
#2	.1188	.1103	.1118	.0005	.1055	.0618	.1033

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zn205/1	Zn203/2	Pb1960/1	Pb1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0421	.1341	.1110	.1113	.1045	.1023	19.85
SDev	.0001	.0001	.0021	.0001	.0008	.0044	.01
%RSD	.3085	.0892	1.855	.0916	.8096	4.282	.0384

#1	.0420	.1341	.1096	.1114	.1039	.0992	19.86
#2	.0421	.1340	.1123	.1113	.1051	.1054	19.85

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	18.09
SDev	.04
%RSD	.2453

#1	18.12
#2	18.06

Errors	LC Pass
High	50.00
Low	-1.5000

IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
WavLen	571.030	---	---	---	---	---	---
#	48906	---	---	---	---	---	---
SDev	88.84656	---	---	---	---	---	---
%RSD	.1816656	---	---	---	---	---	---
#1	48969	---	---	---	---	---	---
#2	48843	---	---	---	---	---	---

Method: ICP4HT Sample Name: A100546-S Operator: SF
 Run Time: 10/26/00 21:31:49
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.562	0.131	1.3161	1.1461	1.0001	22.47
SDev	1.0001	1.0019	1.0037	1.0012	1.0002	1.0000	1.07
RRSD	19.22	1.367	20.74	1.548	1.542	7.840	1.2964
#1	1.0003	1.548	1.0154	1.2169	1.1459	1.0001	22.52
#2	1.0003	1.375	1.0207	2.152	1.1462	1.0002	22.42

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0030	-1.0010	-1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	1.0001	1.0060	1.0018	1.0075	5.314	1.1717
SDev	1.0000	1.0004	1.0003	1.0001	1.0047	1.016	1.0004
RRSD	1.657	260.2	5.215	5.334	62.63	13064	2318
#1	1.0002	1.0004	1.0062	1.0018	1.0109	5.326	1.1720
#2	1.0002	1.0001	1.0057	1.0017	1.0042	5.303	1.1714

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0188	1.0006	1.0001	1.0018	1.0077	40.85	1.0002
SDev	1.0006	1.0005	1.0002	1.0038	1.0001	1.06	1.0022
RRSD	31.058	40.80	402.2	207.4	1.190	1346	1123.
#1	1.0192	1.0004	1.0001	1.0045	1.0076	40.89	1.0017
#2	1.0184	1.0008	1.0002	1.0009	1.0078	40.81	1.0013

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	10.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3502
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.163	1.0119	1.0011	1.0009	1.0086	1.0070	59.76
SDev	0.0002	1.0002	1.0035	1.0014	1.0011	1.0007	1.05
RRSD	1.227	1.954	305.9	146.2	13.05	10.06	0902
#1	0.161	1.0120	1.0036	1.0014	1.0094	1.0065	59.79
#2	0.164	0.117	1.0013	1.0000	1.0078	1.0075	59.72

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

UNITS ppm
 Avge 22.67
 SDev .106
 ARSD .2690

#1 22.67
 #2 22.71

Errors LC Pass
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
waven	571.030	--	--	--	--	--	--
Avge	48680	--	--	--	--	--	--
SDev	327.6749	--	--	--	--	--	--
ARSD	.6731189	--	--	--	--	--	--
#1	48445	--	--	--	--	--	--
#2	48917	--	--	--	--	--	--

Method: ICP481 Sample Name: A100546-9-51 Operator: SD
 Run Time: 10/26/00 21:37:04
 Comments:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0426	1.925	.1258	1.230	.2332	.0111	44.19
SDev	.0002	.003	.0012	.001	.0001	.0000	.104
ARSD	.3645	.1701	.9297	.0845	.0557	.2453	.0963

#1 .0424 1.927 .1266 1.229 .2335 .0111 44.16
 #2 .0428 1.922 .1249 1.230 .2331 .0111 44.22

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 5.000 5.000
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.1083	.0502	.0350	1.074	26.20	.2126
SDev	.0001	.0004	.0005	.0001	.007	.01	.0002
ARSD	1.193	.4070	1.016	.1309	.6743	.0298	.0936

#1 .0111 .1080 .0505 .0350 1.069 26.20 .2124
 #2 .0113 .1086 .0498 .0351 1.079 26.21 .2127

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Sa1960	Si2881	Ti1908
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1158	.1094	.1116	.0007	.1013	40.72	.1015

SDev	.0016	.0003	.0006	.0011	.0013	.003	.0040
%RSD	1.359	.2706	.5793	145.4	1.302	.0729	3.957
#1	.1082	.1096	.1112	-.0000	.1003	40.74	.1043
#2	.1169	.1092	.1121	-.0015	.1022	40.70	.0987

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0578	.1304	.1104	.1120	.1037	.0997	78.42
SDev	.0002	.0001	.0021	.0021	.0001	.0019	.13
%RSD	.3424	.1026	1.923	1.833	.0774	1.944	.1689

#1	.0579	.1303	.1119	.1106	.1037	.0984	78.51
#2	.0577	.1305	.1089	.1135	.1038	.1011	78.32

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7064
Units	ppm
Avg	39.87
SDev	.106
%RSD	.1435

#1	39.91
#2	39.83

Errors	LC Pass
High	50.00
Low	-.5000

Insta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avg	48936	--	--	--	--	--	--
SDev	169.7774	--	--	--	--	--	--
%RSD	.3469381	--	--	--	--	--	--
#1	48816	--	--	--	--	--	--
#2	49056	--	--	--	--	--	--

Method: ICP-AES Sample Name: AL00346-9-S2 Operator: SD

Time: 10/26/00 21:42:12

Comment:

Load: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0431	1.920	.1215	1.242	.2369	.0112	45.20
SDev	.0003	.001	.0015	.001	.0006	.0006	.04

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%RSD	.7652	.0840	1.230	.1153	.0134	.0976	.0823
#1	.0429	1.919	.1205	1.241	.2369	.0112	45.22
#2	.0453	1.921	.1226	1.243	.2369	.0112	45.17
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0112	.1088	.0507	.0353	1.062	26.53	.2183
SDev	.0001	.0001	.0004	.0005	.006	.01	.0000
%RSD	.4916	.0991	.7194	1.382	.5313	.0508	.0010
#1	.0112	.1089	.0510	.0350	1.058	26.34	.2183
#2	.0113	.1087	.0505	.0357	1.066	26.52	.2183
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.1172	.1103	.1123	.0043	.1055	41.97	.1027
SDev	.0001	.0002	.0010	.0011	.0037	.00	.0061
%RSD	.0735	.1954	.8509	25.12	3.498	.0036	5.934
#1	.1173	.1104	.1130	.0050	.1029	41.97	.0984
#2	.1172	.1101	.1116	.0035	.1081	41.97	.1071
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0583	.1414	.1108	.1128	.1058	.1050	79.89
SDev	.0006	.0004	.0036	.0004	.0012	.0061	.06
%RSD	.9838	.3189	3.251	.3265	1.143	5.846	.0791
#1	.0587	.1411	.1133	.1125	.1067	.1007	79.93
#2	.0579	.1417	.1082	.1130	.1050	.1094	79.84
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avge	40.26						
SDev	.01						
%RSD	.0265						
#1	40.30						
#2	40.26						

Errors LC Pass
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Z	--	--	--	--	--	--
Wavelength	371.050	--	--	--	--	--	--
Avgc	49254	--	--	--	--	--	--
SDcv	95.28264	--	--	--	--	--	--
RRSD	.1934532	--	--	--	--	--	--
#1	4918e	--	--	--	--	--	--
#2	49321	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100544-1 Operator: SD
 Run Time: 10/26/00 21:47:35
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0005	.0275	.0196	.4485	.2235	-1.0001	55.95
SDcv	.0004	.0011	.0005	.0003	.0003	.0000	.10
RRSD	153.9	5.982	2.338	.0549	.1510	7.419	.1783
#1	.0000	.0285	.0199	.4487	.2233	-1.0001	56.02
#2	-1.0006	.0267	.0192	.4483	.2237	-1.0001	55.88

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0002	-1.0001	.0024	.0044	-0.0172	16.87	.0016
SDcv	.0001	.0003	.0004	.0001	.0096	.03	.0000
RRSD	26.89	344.1	16.03	3.332	55.87	.1692	2.411
#1	-1.0002	.0001	.0027	.0045	-0.0104	16.89	.0017
#2	-1.0003	-1.0003	.0022	.0043	-0.0240	16.85	.0016

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0109	.0009	.0017	.0026	.0074	53.46	-1.0007
SDcv	.0006	.0002	.0006	.0025	.0015	.19	.0045
RRSD	5.521	27.31	32.31	96.36	19.85	.3523	626.8
#1	.0114	.0007	.0021	.0008	.0085	53.35	-1.0039
#2	.0105	.0010	.0013	.0044	.0064	53.60	.0025

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 5.000 100.0 5.000

Low	- .0050	- .0050	- .0030	- .0100	- .0100	- .000	- .0100
Elem	V_2974	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0415	.0149	.0025	.0012	.0097	.0060	79.48
SDev	.0001	.0006	.0027	.0022	.0000	.0022	.23
%RSD	.3639	4.095	121.0	188.7	.4656	36.35	.2900

#1	.0418	.0154	.0003	.0027	.0097	.0076	79.31
#2	.0414	.0145	.0047	- .0004	.0096	.0045	79.64

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000

Elem	K_7664
Units	ppm
Avgc	5.165
SDev	.009
%RSD	.1771

#1	5.156
#2	5.165

Errors	LC Pass
High	50.00
Low	- .5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavelength	571.030	--	--	--	--	--	--
Avgc	49224	--	--	--	--	--	--
SDev	235.6074	--	--	--	--	--	--
%RSD	.4786400	--	--	--	--	--	--
#1	49058	--	--	--	--	--	--
#2	49391	--	--	--	--	--	--

Method: ICP4RI Sample Name: 0051 Operator: SD
 Run Time: 10/26/00 21:52:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	8_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	- .0002	- .0145	.0019	.0075	- .0001	- .0002	.0099
SDev	.0001	.0003	.0010	.0000	.0000	.0000	.0045
%RSD	74.49	1.807	51.05	.4588	8.078	.6077	45.25
#1	- .0003	- .0147	.0012	.0075	- .0001	- .0002	.0130
#2	- .0001	- .0143	.0026	.0073	- .0001	- .0002	.0067

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	1.000	.0040	1.000	.0050	.0010	.5000
Low	- .0030	- .1000	- .0040	- .1000	- .0050	- .0010	- .5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	-0.0001	0.0002	-0.0030	0.0046	0.0057	-0.0002
SDev	0.0001	0.0001	0.0000	0.0001	0.0004	0.0015	0.0000
%RSD	153.0	74.27	10.46	3.361	7.816	26.30	0.1544

#1	-0.0000	-0.0002	0.0002	-0.0031	0.0043	0.0046	-0.0002
#2	0.0001	-0.0001	0.0002	-0.0030	0.0048	0.0067	-0.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0046	-0.0006	-0.0000	-0.0020	0.0009	0.0651	-0.0017
SDev	0.0001	0.0001	0.0008	0.0026	0.0032	0.0271	0.0067
%RSD	1.336	6.535	4285.	129.3	361.6	41.58	392.2

#1	0.0045	-0.0006	-0.0006	-0.0002	-0.0014	0.0842	0.0030
#2	0.0046	-0.0006	0.0005	-0.0039	0.0031	0.0459	-0.0065

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	1.000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-1.000	-0.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0007	-0.0001	0.0024	-0.0015	0.0041	-0.0011	0.2671
SDev	0.0002	0.0000	0.0009	0.0007	0.0049	0.0023	0.0838
%RSD	113.5	3.961	36.02	47.37	117.9	214.9	31.36

#1	0.0000	-0.0001	0.0018	-0.0020	0.0007	-0.0027	0.2079
#2	0.0003	-0.0001	0.0030	-0.0010	0.0076	0.0006	0.3263

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Elem	K_7664
Units	ppm
Avg	0.0517
SDev	0.0061
%RSD	11.85

#1	0.0560
#2	0.0473

Errors	LC Pass
High	0.5000
Low	-0.5000

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Inst	371 030	--	--	--	--	--	--

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Avg	49900	--	--	--	--	--	--
SDev	108.6945	--	--	--	--	--	--
%RSD	.2182260	--	--	--	--	--	--
#1	49977	--	--	--	--	--	--
#2	49825	--	--	--	--	--	--

Method: ICP4RI Sample Name: COV14 Operator: SQ

Run Time: 10/26/00 21:58:03

Comment:

Mode: CONC Corr. Factor: 1

Item	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5048	-1.0219	H2.705	2.581	L2.279	H2.792	1.0071
SDev	1.0001	1.0031	1.014	1.002	1.003	1.001	1.0007
%RSD	0.103	14.29	1.5038	1.0962	1.1394	1.0178	9.804
#1	1.5049	-1.0241	H2.695	2.579	L2.282	H2.792	1.0076
#2	1.5048	-1.0197	H2.714	2.582	L2.277	H2.792	1.0067

Errors	LC Pass	NOCHECK	LC High	LC Pass	LC Low	LC High	NOCHECK
High	1.3250		2.625	2.750	2.625	2.625	
Low	1.4750		2.375	2.250	2.375	2.375	

Item	Cd2263	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.947	H2.791	H2.839	L2.317	1.6052	-1.0056	H2.732
SDev	1.001	1.001	1.001	1.000	1.0107	1.0036	1.001
%RSD	1.0452	1.0451	1.0335	1.0182	1.775	63.74	1.0329
#1	H2.946	H2.792	H2.839	L2.318	1.5976	-1.0082	H2.733
#2	H2.948	H2.790	H2.840	L2.317	1.6128	-1.0031	H2.731

Errors	LC High	LC High	LC High	LC Low	NOCHECK	NOCHECK	LC High
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Item	Mn2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.738	H2.881	H2.868	2.530	2.624	.2727	H2.699
SDev	1.019	1.003	1.003	1.012	1.028	1.0076	1.004
%RSD	6.930	1.0966	1.0989	1.4840	1.1086	2.806	1.1508
#1	H2.724	H2.883	H2.866	2.539	2.604	.2781	H2.696
#2	H2.751	H2.879	H2.870	2.521	H2.644	.2673	H2.702

Errors	LC High	LC High	LC High	LC Pass	LC Pass	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Item	V_2924	Zn2062	Zr0371	Zr0372	Zr071	Zr072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.655	H3.257	2.798	2.902	2.553	2.639	146.85
SDev	1.000	1.004	1.001	1.004	1.025	1.030	1.07
%RSD	1.0035	1.1110	1.0308	1.1510	1.9939	1.1130	1.1429

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0245	.0035	.0009	.0028	.0332	89.09	-.0015
SDev	.0077	.0007	.0004	.0071	.0139	.05	.0011
%RSD	31.50	20.42	44.81	250.7	41.81	.0572	70.55

#1	.0299	.0030	.0012	-.0022	.0430	89.06	-.0008
#2	.0190	.0040	.0006	.0078	.0234	89.15	-.0022

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0024	.0030	.0225	-.0102	.0406	.0292	.1908
SDev	.0004	.0001	.0011	.0000	.0063	.0177	.0629
%RSD	15.97	1.731	4.854	.4612	15.47	60.56	32.97

#1	.0027	.0030	.0233	-.0102	.0450	.0417	.2353
#2	.0021	.0031	.0217	-.0102	.0361	.0167	.1465

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avgc	.0549
SDev	.0005
%RSD	.9414

#1	.0553
#2	.0546

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Mean	371.050	--	--	--	--	--	--
SDev	48816	--	--	--	--	--	--
%RSD	11.63417	--	--	--	--	--	--
	.0238526	--	--	--	--	--	--

#1	48808	--	--	--	--	--	--
#2	48824	--	--	--	--	--	--

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#1	H2.655	H3.254	2.797	2.900	2.535	2.638	146.89
#2	H2.655	H3.259	2.798	2.905	2.571	2.680	146.80
Errors	LC High	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low
High	2.625	2.625					52.70
Low	2.575	2.575					47.50
Elem	K_7664						
Units	ppm						
Avg	123.23						
SDev	.08						
%RSD	.5537						
#1	123.28						
#2	123.11						

Errors	LC Low
High	26.75
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Time	371.030	--	--	--	--	--	--
Avg	48824	--	--	--	--	--	--
SDev	79.44179	--	--	--	--	--	--
RSD	.1627089	--	--	--	--	--	--
#1	48765	--	--	--	--	--	--
#2	48851	--	--	--	--	--	--

Method: ICP-AES Sample Name: 00V15 Operator: SD
 Run Time: 10/26/00 22:03:19
 Comment:
 Load: 0.0000 Conc. Factor: 1

Elem	Ag3760	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	147.39	.0111	.0136	-.0011	.0002	H59.02
SDev	.0002	.05	.0041	.0005	.0001	.0002	.04
RSD	132.8	.0680	37.31	3.495	9.686	94.68	.0658
#1	-.0003	147.42	.0140	.0140	-.0011	.0003	H59.05
#2	-.0000	147.37	.0082	.0133	-.0012	.0001	H58.99
Errors	NOCHECK	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0006	.0055	-.0026	H55.31	H55.27	.0032
SDev	.0000	.0001	.0003	.0001	.07	.05	.0002
RSD	9.262	14.55	5.272	3.532	1246	6537	5.689
#1	.0001	.0006	.0055	-.0025	H55.36	H55.30	.0033
#2	.0001	.0006	.0053	-.0027	H55.27	H55.24	.0031

Method: ICP461 Sample Name: 008
 Run Time: 10/26/00 22:08:35
 Comment:
 Code: CONC Corr. Factor: 1

Operator: SP

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0085	0.0042	0.0046	0.0000	0.0000	0.0083
SDev	0.0001	0.0038	0.0002	0.0008	0.0000	0.0000	0.0041
RRSD	60.49	44.78	4.316	17.19	289.6	139.0	49.22
#1	0.0001	0.0058	0.0040	0.0051	0.0000	0.0000	0.0110
#2	0.0003	0.0112	0.0043	0.0040	0.0000	0.0001	0.0054
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.0000	0.0040	0.0000	0.0050	0.0010	0.3000
Low	-0.0030	-0.0000	-0.0040	-0.0000	-0.0050	-0.0010	-0.5000
Elem	Cd2265	Co2286	Cr7677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0000	0.0002	0.0030	0.0246	0.0104	0.0001
SDev	0.0000	0.0001	0.0004	0.0001	0.0072	0.0036	0.0000
RRSD	16.95	1615.	185.4	1.978	29.31	34.85	40.56
#1	0.0001	0.0001	0.0005	0.0030	0.0297	0.0129	0.0001
#2	0.0001	0.0001	0.0001	0.0031	0.0195	0.0075	0.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0076	0.0008	0.0006	0.0016	0.0050	0.0343	0.0013
SDev	0.0003	0.0005	0.0004	0.0022	0.0001	0.0216	0.0040
RRSD	3.677	61.10	68.33	142.8	2.664	62.85	307.2
#1	0.0078	0.0011	0.0003	0.0000	0.0051	0.0496	0.0043
#2	0.0074	0.0004	0.0008	0.0031	0.0049	0.0191	0.0016
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	0.0000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.0000	-0.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0001	0.0001	0.0011	0.0016	0.0085	0.0030	0.1910
SDev	0.0003	0.0001	0.0008	0.0002	0.0014	0.0005	0.0942
RRSD	171.4	101.7	70.75	12.12	17.14	17.46	49.30
#1	0.0003	0.0000	0.0016	0.0015	0.0095	0.0026	0.2576
#2	0.0000	0.0002	0.0005	0.0018	0.0075	0.0034	0.1244
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.0000
Low	-0.0020	-0.0200					-0.5000
Elem	Zr20371						

Units ppm
 Avge 0.550
 SDev 1.0177
 RSD 50.58

#1 1.0475
 #2 1.0225

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	49886	--	--	--	--	--	--
SDev	22.02527	--	--	--	--	--	--
RSD	1.0441509	--	--	--	--	--	--
#1	49902	--	--	--	--	--	--
#2	49871	--	--	--	--	--	--

Code: 10RP4HI Sample Name: Al00546-10 Operator: SD
 Run Time: 10/26/00 22:13:50
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3062	As1650	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.0004	1.0070	1.0016	1.3317	1.3532	-1.0001	27.66
SDev	1.0003	1.0023	1.0015	1.0002	1.0003	1.0000	1.02
RSD	81.18	53.16	95.48	1.0610	1.0770	13.20	1.0800
#1	-1.0002	1.0086	1.0027	1.3316	1.3531	-1.0001	27.68
#2	-1.0006	1.0053	1.0005	1.3319	1.3534	-1.0001	27.65

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.0000	1.0001	1.0101	-1.0017	1.0105	1.012	1.0002
SDev	1.0003	1.0002	1.0002	1.0003	1.0053	1.004	1.0000
RSD	433.1	204.5	2.415	20.07	51.16	1.4283	1.017
#1	-1.0001	1.0005	1.0102	-1.0014	1.0143	1.015	1.0002
#2	1.0000	-1.0000	1.0099	-1.0019	1.0067	1.009	1.0002

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

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SDev	1.0002	1.0003	1.0012	1.0017	1.0002	1.01	1.0029
%RSD	1.193	37.06	250.9	84.88	4.864	1.0425	325.6
#1	1.0139	1.0011	1.0014	1.0032	1.0046	22.02	1.0029
#2	1.0156	1.0007	-1.0004	1.0008	1.0043	22.01	1.0011

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0167	1.0427	1.0029	-1.0010	1.0085	1.0021	75.65
SDev	1.0005	1.0000	1.0006	1.0016	1.0008	1.0008	1.04
%RSD	5.193	1.0793	19.47	161.3	9.834	34.96	1.0501

#1	1.0171	1.0428	1.0033	1.0001	1.0080	1.0027	75.67
#2	1.0165	1.0427	1.0025	-1.0021	1.0091	1.0016	75.62

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	19.88
SDev	1.00
%RSD	1.0105

#1	19.88
#2	19.89

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	49959	--	--	--	--	--	--
SDev	224.7191	--	--	--	--	--	--
%RSD	1.4498102	--	--	--	--	--	--
#1	49800	--	--	--	--	--	--
#2	50118	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100546-11 Operator: SD

Run Time: 10/26/00 22:19:05

Comment:

Code: 0000 Corr Factor: 1

Elem	Ag3280	Al3082	As1590	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0005	1.0075	1.0162	21.06	1347	1.0001	10.93
SDev	1.0001	1.0005	1.0028	1.0001	1.0002	1.0000	1.00

%RSD	65.84	12.50	17.49	.0716	.1422	5.213	.2466
#1	- .0003	- .0068	.0182	.2105	.1346	- .0001	10.95
#2	- .0007	- .0082	.0142	.2107	.1349	- .0001	10.91
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	- .0030	- .1000	- .0040	- .1000	- .0050	- .0010	- .5000
Elem	Cd2265	Co2286	Cr2677	Cu5247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avg	- .0002	- .0003	.0059	- .0024	- .0129	9.732	.0033
SDev	.0004	.0002	.0007	.0003	.0047	.019	.0000
%RSD	158.5	58.85	11.59	10.79	36.70	.1977	1.213
#1	.0000	- .0002	.0064	- .0023	- .0095	9.745	.0033
#2	- .0005	- .0004	.0054	- .0026	- .0162	9.718	.0033
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	oem	oem	oem	oem	oem	oem	oem
Avg	.0102	.0005	.0017	.0006	.0042	41.86	- .0001
SDev	.0006	.0001	.0002	.0031	.0042	.003	.0047
%RSD	5.421	24.23	12.56	520.5	100.9	.0766	3503
#1	.0106	.0004	.0015	- .0016	.0012	41.86	- .0034
#2	.0098	.0006	.0018	.0028	.0077	41.90	.0037
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100
Elem	V_2924	Zn2067	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3307
Units	oem	oem	oem	oem	oem	oem	ppm
Avg	.0280	.0119	.0022	.0012	.0086	.0017	75.74
SDev	.0007	.0003	.0021	.0014	.0063	.0032	.019
%RSD	2.647	2.183	97.44	117.1	73.33	190.0	.2446
#1	.0286	.0121	.0037	.0002	.0042	- .0006	75.61
#2	.0275	.0117	.0007	.0022	.0131	- .0039	75.87
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000
Elem	K_7664						
Units	oem						
Avg	18.21						
SDev	.01						
%RSD	.0483						
#1	18.21						
#2	18.21						

Errors LC Pass
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	50002	--	--	--	--	--	--
SDev	147.0064	--	--	--	--	--	--
%RSD	.2940028	--	--	--	--	--	--
#1	49898	--	--	--	--	--	--
#2	50106	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100546-9 XS Operator: SD
 Run Time: 10/26/00 22:24:10
 Comment:
 Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.0007	.0968	.0157	.2237	.1490	-1.0007	23.96
SDev	.0003	.0028	.0078	.0025	.0003	.0001	.06
%RSD	43.95	2.906	50.01	1.112	.1966	7.680	.3205
#1	-1.0009	.0988	.0101	.2220	.1495	-1.0007	23.90
#2	-1.0005	.0948	.0213	.2255	.1488	-1.0006	24.01

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-1.0001	.0002	.0063	-1.0131	.0077	5.620	.1789
SDev	.0003	.0004	.0025	.0008	.0077	.018	.0004
%RSD	267.7	215.1	39.41	6.080	99.91	.3292	.2539
#1	-1.0003	.0005	.0046	-1.0125	.0132	5.607	.1786
#2	.0001	-1.0001	.0081	-1.0137	.0073	5.633	.1792

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0144	.0013	.0028	.0130	-1.0023	42.99	.0003
SDev	.0001	.0066	.0009	.0005	.0045	.04	.0261
%RSD	.7990	531.2	32.07	4.096	190.5	.0829	7560.
#1	.0143	-1.0033	.0022	.0134	.0008	43.07	-1.0181
#2	.0144	.0060	.0034	.0126	-1.0055	42.97	.0188

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0184	.0229	.0113	-1.0028	.0413	-1.0258	63.03
SDev	.0027	.0014	.0209	.0091	.0192	.0163	.26
%RSD	14.51	6.089	184.3	320.6	46.32	63.31	.4164
#1	.0165	.0238	-1.0034	.0036	.0279	-1.0142	62.85
#2	.0203	.0219	.0261	-1.0093	.0551	-1.0373	63.22

Elem X 0000

Units ppm
 Avge 23.24
 SDev 1.06
 %RSD 4.490

#1 23.20
 #2 23.28

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	49035	--	--	--	--	--	--
SDev	246.4985	--	--	--	--	--	--
%RSD	.5026991	--	--	--	--	--	--
#1	49209	--	--	--	--	--	--
#2	48861	--	--	--	--	--	--

Method: ICP4H1 Sample name: A100544-1 X5 Operator: SD
 Run Time: 10/26/00 22:29:29
 Comment:
 Mode: CONC Corr. Factor: 5

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0017	1.0030	0.115	1.4634	1.2255	1.0007	59.50
SDev	1.0016	1.0039	1.0019	1.0027	1.0003	1.0000	1.07
%RSD	94.25	130.7	16.21	1.3748	1.183	6.942	1.0311

#1 1.0006 1.0002 1.0129 1.4653 1.2253 1.0007 59.51
 #2 1.0028 1.0057 0.102 1.4616 1.2256 1.0007 59.48

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0003	1.0007	1.0006	1.0085	1.0490	17.57	1.0009
SDev	1.0001	1.0005	1.0007	1.0007	1.0301	1.01	1.0003
%RSD	44.00	76.83	106.7	7.953	61.39	1.0532	36.56

#1 1.0004 1.0010 1.0002 1.0081 1.0277 17.56 1.0011
 #2 1.0002 1.0003 1.0011 1.0090 1.0703 17.57 1.0006

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0112	1.0001	1.0049	1.0006	1.0074	54.92	1.0091
SDev	1.0015	1.0008	1.0015	1.0000	1.0091	1.19	1.0054
%RSD	15.62	637.5	30.26	3.781	122.0	1.5435	59.84

#1 1.0122 1.0004 1.0039 1.0006 1.0010 54.79 1.0129
 #2 1.0101 1.0007 1.0060 1.0006 1.0139 55.05 1.0052

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0422	1.0205	1.0124	1.0007	1.0539	1.0297	82.43
SDev	1.0001	1.0006	1.0152	1.0053	1.0074	1.0099	1.03
%RSD	1.3216	3.189	122.7	3257.1	21.89	33.37	1.0358

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#1	.0423	.0209	.0016	.0036	.0392	-.0227	82.43
#2	.0421	.0200	.0231	-.0039	.0287	-.0367	82.39

Elem K_7664
 Units ppm
 Avge 4.787
 SDev .136
 %RSD 2.839

#1	4.686
#2	4.878

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	48554	--	--	--	--	--	--
SDev	144.5313	--	--	--	--	--	--
%RSD	.2976690	--	--	--	--	--	--

#1	48452	--	--	--	--	--	--
#2	48657	--	--	--	--	--	--

Method: ICP-AES Sample Name: 0061 Operator: SD
 Run Time: 10/26/00 22:34:47
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sr4934	Se3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	-.0050	.0000	.0024	-.0001	-.0001	-.0007
SDev	.0005	.0005	.0021	.0012	.0000	.0000	.0012
%RSD	354.5	3.802	11980.	49.22	16.32	15.60	185.7

#1	-.0005	-.0085	.0015	.0016	-.0001	-.0002	.0002
#2	.0001	-.0077	-.0015	.0032	-.0001	-.0001	-.0015

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Co3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0000	.0000	-.0002	-.0032	.0015	.0008	-.0003
SDev	.0002	.0002	.0001	.0001	.0019	.0013	.0000
%RSD	497.9	320.9	54.20	2.926	127.1	168.7	.0518

#1	-.0001	-.0001	-.0005	-.0053	.0001	-.0001	-.0005
#2	.0001	.0002	-.0002	-.0032	.0028	.0017	-.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0003	.0004	.0014	.0003	.0384	-.0014

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SDev	.0001	.0006	.0003	.0027	.0001	.0009	.0003
%RSD	39.14	81.71	87.21	169.6	39.52	2.238	21.16
#1	.0003	-.0012	.0001	-.0003	.0002	.0392	-.0012
#2	.0002	-.0005	.0006	.0035	.0004	.0380	-.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0003	.0029	-.0011	.0086	-.0042	.1947
SDev	.0002	.0002	.0026	.0008	.0032	.0014	.1711
%RSD	105.8	76.33	89.40	70.40	37.12	34.11	87.91
#1	.0000	.0001	.0011	-.0005	.0064	-.0052	.0737
#2	.0003	.0004	.0047	-.0016	.0109	-.0052	.3157
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	-.0104						
SDev	.0127						
%RSD	121.4						
#1	-.0194						
#2	-.0015						
Errors	LC Pass						
High	.5000						
Low	-.5000						

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avg	48564	--	--	--	--	--	--
SDev	152.2047	--	--	--	--	--	--
%RSD	.3134124	--	--	--	--	--	--
#1	48671	--	--	--	--	--	--
#2	48456	--	--	--	--	--	--

Method: TOAP4HI Sample Name: A100547-16-50 876101 Operator: SD
 Date Time: 10/26/00 22:39:55
 Comment:
 Code: CONC Corr. Factor: 200

Elem	Ag5260	Al3082	As1690	B_2496	Ba4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0976	-.9053	.2783	.3975	-.0059	-.0273	1.458

%RSD	27.73	9.551	39.66	24.94	32.30	5.549	3.176
#1	-0.0784	-0.5484	0.2002	0.4676	-0.0045	-0.0283	0.425
#2	-0.1167	-0.9682	0.3563	0.3274	-0.0072	-0.0263	0.491
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000	1000.	1000.	1000.	1000.	20000.
Low	-0.000	-20.00	-2.000	-2.000	-6.000	-0.4000	-10.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0191	-0.0704	-0.0405	-0.5919	0.1346	0.4152	-0.0345
SDev	0.0189	0.0366	0.0225	0.0168	0.0008	0.3964	0.0000
%RSD	132.5	52.00	55.85	2.831	223.4	95.47	0.116
#1	-0.0012	-0.0445	-0.0244	-0.6037	0.5473	0.6956	-0.0349
#2	-0.0369	-0.0965	-0.0562	-0.5800	-0.0780	0.1349	-0.0349
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-0.2000	-0.000	-0.6000	-2.000	-0.000	-0.000	-0.6000
Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.5855	-0.0401	0.2445	-0.1577	-0.0077	0.273	-0.1228
SDev	0.2248	0.0313	0.2155	0.2425	0.4350	0.939	0.6918
%RSD	58.61	78.21	87.34	153.8	5680.	73.80	563.4
#1	0.5425	-0.0622	0.0935	0.0138	0.2999	0.937	-0.6120
#2	0.2746	-0.0179	0.3954	-0.3292	-0.3152	0.6087	0.3664
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-0.6000	-0.8000	-0.000	-3.000	-2.000	-0.000	-2.000
Elem	V_2974	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0150	0.2161	0.8215	-0.0934	0.9610	-0.5537	32.22
SDev	0.0314	0.0332	0.0502	0.2952	0.3137	0.3955	0.1915
%RSD	209.4	15.37	6.112	316.2	55.46	71.43	59.44
#1	0.0372	0.1926	0.7859	-0.3021	0.324	-0.2740	45.76
#2	-0.0072	0.2396	0.8570	0.1154	0.5978	-0.8333	0.66
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-0.4000	-4.000					
Elem	K_7664						
Units	ppm						
Avg	2.404						
SDev	3.507						
%RSD	229.3						
#1	-0.490						
#2	6.298						

Errors: NOCHECK
High
Low

Param	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
Avgc	48603	--	--	--	--	--	--
SDev	73.25737	--	--	--	--	--	--
ARSD	.1507268	--	--	--	--	--	--
#1	48551	--	--	--	--	--	--
#2	48655	--	--	--	--	--	--

Method: ICP4HI Sample Name: SI02 ALK X10 3050 Operator: SD
 Run Time: 10/26/00 22:45:05
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag5280	Al5082	As1590	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0516	2.978	.1726	.4233	.0059	-.0273	.2499
SDev	.0351	.276	.7733	.0279	.0055	.0004	.0186
ARSD	68.03	7.254	448.0	6.581	92.51	1.326	7.455
#1	-.0764	3.172	-.3742	.4430	.0021	-.0272	.2631
#2	-.0268	2.783	.7194	.4036	.0098	-.0277	.2367

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0113	-.0412	.0042	-.5928	2.199	.7246	-.0349
SDev	.0049	.0374	.0136	.0057	.492	.4138	.0001
ARSD	42.16	90.70	327.2	.9669	22.36	57.11	.2668
#1	-.0150	-.0677	.0138	-.5968	1.852	.4320	-.0349
#2	-.0061	-.0148	-.0055	-.5887	2.547	1.017	-.0350

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.2585	-.0676	.1843	.6206	.1604	16.16	-.1948
SDev	.0115	.0286	.0735	.3259	.2217	1.55	.1647
ARSD	4.591	42.34	39.89	52.51	158.2	9.567	84.29
#1	.2669	-.0474	.1333	.8511	.0036	17.25	-.3109
#2	.2501	-.0879	.2363	.5902	.3171	15.07	-.0787

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	1000.	1000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

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LOW	-1.0000	-3.0000	-1.0000	-3.0000	-2.0000	-100.0	-2.0000
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0285	1.2033	1.2567	1.0958	1.1141	1.3916	31.56
SDev	1.0510	1.0414	1.2712	1.2504	1.138	1.2635	6.61
%RSD	108.9	20.37	105.7	261.5	12.15	67.28	21.07

#1	-1.0065	1.2326	1.4485	-1.0813	1.043	-1.5779	36.04
#2	-1.0504	1.1741	1.0649	1.2728	1.239	-1.2053	26.69

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
LOW	-1.4000	-4.0000					

Elem	K_7664
Units	ppm
Avgc	1.5976
SDev	1.352
%RSD	259.7

#1	-1.4999
#2	1.695

Errors	NOCHECK
High	
LOW	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavelength	371.050	--	--	--	--	--	--
Avgc	48691	--	--	--	--	--	--
SDev	175.9619	--	--	--	--	--	--
%RSD	1.5613813	--	--	--	--	--	--
#1	48567	--	--	--	--	--	--
#2	48816	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100547-16-L1 X10 Operator: SD
 Run Time: 10/26/00 22:50:27
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	19.05	187.3	20.91	99.20	91.14	22.34	1135.
SDev	1.43	4.5	1.13	1.88	1.91	1.49	24.
%RSD	2.243	2.307	5.385	1.899	2.090	2.203	2.144
#1	19.35	190.3	21.71	100.5	92.49	22.69	1157
#2	18.74	184.2	20.11	97.87	89.79	21.99	1118.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
LOW	-1.0000	-20.00	-2.0000	-2.0000	-6.0000	-4.0000	-10.00

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.92	22.17	23.70	17.61	214.8	1042.	22.2e
SDev	1.24	1.51	1.54	1.39	4.0	72.	48
%RSD	1.975	2.292	2.323	2.740	1.875	2.080	2.163
#1	12.08	22.53	23.58	17.89	217.7	1057.	22.60
#2	11.75	21.81	22.82	17.33	212.0	1027.	21.92
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.79	22.61	114.7	19.65	20.84	76.90	102.6
SDev	1.01	1.24	2.4	1.21	1.49	2.53	2.6
%RSD	6.028	1.067	2.070	6.162	2.369	3.295	2.532
#1	16.07	22.79	116.3	20.51	20.49	78.69	104.4
#2	17.50	22.44	113.0	18.79	21.19	75.11	100.7
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.52	129.8	111.3	116.3	21.74	20.34	990.9
SDev	1.50	2.9	2.6	2.3	1.14	1.17	7.4
%RSD	2.316	2.203	2.346	1.939	5.233	5.8461	7.431
#1	21.88	131.8	113.1	117.9	20.93	20.22	996.1
#2	21.17	127.7	109.4	114.7	22.54	20.46	985.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-1.000					
Elem	K_7664						
Units	ppm						
Avg	918.7						
SDev	19.0						
%RSD	2.067						
#1	932.1						
#2	905.3						
Errors	NOCHECK						
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem		--	--	--	--	--	--

Avg	48330	--	--	--	--	--	--
SDev	251.1997	--	--	--	--	--	--
%RSD	.5176125	--	--	--	--	--	--
#1	48353	--	--	--	--	--	--
#2	48705	--	--	--	--	--	--

Method: ICAP4HT Sample Name: A100547-16-L2 X10 Operator: SJ

Run Time: 10/26/00 22:55:35

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3260	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.77	185.0	20.53	79.62	89.80	21.97	1119.
SDev	.49	4.6	.44	2.35	2.09	.45	24.
%RSD	2.636	2.601	2.164	2.355	2.323	2.056	2.127
#1	19.12	188.5	20.85	101.3	91.28	22.29	1155.
#2	18.42	181.6	20.22	97.96	88.33	21.65	1102.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11.75	21.74	22.60	17.28	215.3	1027.	21.94
SDev	.25	.57	.49	.40	3.6	23.	.48
%RSD	1.916	2.603	2.136	2.335	1.673	2.224	2.193
#1	11.91	22.14	23.14	17.56	215.8	1043.	22.28
#2	11.59	21.34	22.45	16.99	210.8	1011.	21.60

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.89	22.53	115.3	19.00	20.43	74.91	102.3
SDev	.41	.31	3.2	.75	1.15	3.87	4.2
%RSD	2.474	1.369	2.862	3.923	5.635	5.164	4.093
#1	18.56	22.53	115.6	19.33	21.25	77.64	105.3
#2	19.22	22.12	111.0	18.47	19.62	72.17	99.36

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr1960/1	Zr1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	21.17	128.0	109.2	115.2	20.65	20.27	980.8
SDev	.44	2.5	1.4	4.2	.21	1.62	20.2
%RSD	2.087	1.924	1.299	3.605	1.026	7.995	2.060

#1	21.49	129.7	110.2	118.2	20.80	21.42	995.1
#2	20.86	126.2	108.2	112.3	20.50	19.13	966.5

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000	1000.					
Low	-1.0000	-4.0000					

Elem K_7664
 Units ppm
 Avge 908.3
 SDev 25.2
 %RSD 2.778

#1	926.1
#2	890.4

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Avge	571.030	--	--	--	--	--	--
SDev	48519	--	--	--	--	--	--
RSD	175.2413	--	--	--	--	--	--
	1.3570577	--	--	--	--	--	--

#1	48597	--	--	--	--	--	--
#2	48642	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100547-16 X10 Operator: SD
 Run Time: 10/26/00 23:00:48
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0255	6176.	6.339	2.256	92.32	1.3902	3317.
SDev	1.0030	55.	1.408	1.121	1.92	1.0016	26.
RSD	11.59	1.3902	6.410	5.365	1.9919	1.4177	1.7785

#1	1.0275	6215.	6.071	2.341	92.97	1.3891	3335.
#2	1.0234	6137.	6.647	2.170	91.67	1.3914	3299.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	11092	9.400	25.02	20.51	15900.	4418.	171.8
SDev	10273	1070	1.25	1.16	132	36.	1.5
RSD	10.65	7474	1.003	1.7717	8289	1.8240	8761

#1	11935	9.449	25.19	20.62	15990.	4444.	172.9
#2	10550	9.350	24.84	20.40	15810	4363	170.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	1.632	18.35	339.8	15194	1.704	114.1	1.3025
SDev	0.275	0.21	4.0	10231	0.118	1.2	1.4023
%RSD	16.86	1.119	1.177	4.444	6.914	1.040	133.0

#1	1.826	18.50	342.6	15357	1.621	114.9	1.5870
#2	1.437	18.21	337.0	15030	1.788	113.3	1.0180

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	31.25	67.43	332.3	343.5	4.238	13800	4.100
SDev	0.17	0.65	1.9	3.0	0.344	13489	7.503
%RSD	0.5518	0.9632	0.5771	1.468	8.122	91.82	183.0
#1	31.38	67.89	333.7	347.1	4.481	11333	9.406
#2	31.13	66.97	330.9	339.9	3.994	16267	-1.205

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4.000	-4.000					

Elem	K_7664
Units	cpm
Avgc	2281.
SDev	15.
%RSD	0.6415
#1	2291.
#2	2271.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
e	31914	--	--	--	--	--	--
SDev	49.99190	--	--	--	--	--	--
%RSD	0.962980	--	--	--	--	--	--
#1	51878	--	--	--	--	--	--
#2	51949	--	--	--	--	--	--

Method: ICP-AES Sample Name: CCB1
 Run Time: 10/26/00 23:06:01
 Comment:
 Code: CONC Corr. Factor: 1

Operator: SC

Elem	Aq3280	A15082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	-0.0100	0.0017	0.0026	0.0000	-0.0002	0.0011
SDev	0.0001	0.0019	0.0007	0.0001	0.0000	0.0000	0.0013
RRSD	25.38	18.57	11.19	2.073	66.08	7.113	119.2
#1	-0.0003	-0.0087	0.0018	0.0025	0.0001	-0.0002	0.0020
#2	-0.0007	-0.0113	0.0015	0.0026	0.0000	-0.0002	0.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.000	0.0040	0.0000	0.0050	0.0010	0.0000
Low	-0.0030	-0.0000	-0.0040	-0.0000	-0.0050	-0.0010	-0.0000

Elem	Co2263	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0001	0.0000	0.0001	-0.0031	0.0485	0.0069	0.0000
SDev	0.0001	0.0000	0.0001	0.0001	0.0210	0.0005	0.0001
RRSD	54.43	79.48	89.53	2.377	43.41	6.609	489.3
#1	-0.0001	0.0000	0.0000	-0.0031	0.0634	0.0066	0.0001
#2	-0.0002	0.0000	0.0002	-0.0030	0.0336	0.0072	-0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.0000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.0000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0049	-0.0008	0.0010	0.0046	0.0004	-0.0316	-0.0021
SDev	0.0010	0.0012	0.0014	0.0043	0.0006	0.0017	0.0013
RRSD	19.95	211.9	137.0	92.95	157.5	5.308	62.96
#1	0.0056	-0.0014	0.0000	0.0016	-0.0000	-0.0304	-0.0012
#2	0.0042	0.0003	0.0019	0.0076	0.0007	-0.0328	-0.0030

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	0.000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.000	-0.0100

Elem	V_2924	Zn2062	Z20371	Z20372	Z196071	Z196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0001	0.0014	0.0005	0.0036	-0.0016	0.1323
SDev	0.0003	0.0003	0.0032	0.0004	0.0006	0.0011	0.0730
RRSD	153.2	438.6	224.3	82.03	17.59	73.25	55.14
#1	-0.0000	-0.0001	-0.0008	0.0002	0.0040	-0.0024	0.0807
#2	0.0004	0.0002	0.0037	0.0008	0.0031	-0.0008	0.1839

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.0000
Low	-0.0020	-0.0200					-0.0000

Elem V_2924

Analysis Report

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Units ppm
 Avge -1.0044
 SDev .0044
 SRSD 101.5

#1 -1.0075
 #2 -1.0012

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	48705	--	--	--	--	--	--
SDev	42.56728	--	--	--	--	--	--
SRSD	.0873976	--	--	--	--	--	--
#1	48675	--	--	--	--	--	--
#2	48735	--	--	--	--	--	--

Code: (CR46) Sample Name: 00V16 Operator: 50
 Date Time: 10/26/00 23:11:15
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5065	-1.0208	H2.720	2.598	L2.266	H2.818	.0039
SDev	.0005	.0010	.007	.005	.000	.001	.0000
SRSD	.0995	4.787	.2572	.1777	.0007	.0378	1.072
#1	.5066	-1.0200	H2.715	2.602	L2.266	H2.819	.0039
#2	.5059	-1.0215	H2.725	2.595	L2.266	H2.817	.0040

Errors LC Pass NOCHECK LC High LC Pass LC Low LC High NOCHECK
 High 1.3250 2.625 2.750 2.625 2.625 2.625
 Low 4750 2.375 2.250 2.375 2.375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H2.991	H2.820	H2.865	L2.305	.6329	-1.0017	H2.758
SDev	.000	.002	.000	.000	.0000	.0001	.001
SRSD	.0155	.0532	.0047	.0019	.0030	6.856	.0321
#1	H2.991	H2.827	H2.865	L2.305	.6329	-1.0018	H2.758
#2	H2.991	H2.819	H2.865	L2.305	.6330	-1.0016	H2.757

Errors LC High LC High LC High LC Low NOCHECK NOCHECK LC High
 High 2.625 2.625 2.625 2.625
 Low 2.375 2.375 2.375 2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2065	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H2.756	H2.994	H2.903	2.541	H2.657	.7722	H2.697

SDev	.027	.003	.001	.006	.032	.0060	.007
%RSD	.9685	.1158	.0409	.2438	1.198	2.676	.2555

#1	H2.757	H2.927	H2.904	Z.546	Z.614	.2264	H2.692
#2	H2.775	H2.922	H2.902	Z.537	H2.659	.2180	H2.702

Errors	LC High	LC High	LC High	LC Pass	LC High	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.669	H3.315	Z.829	Z.940	Z.575	Z.667	L46.81
SDev	.001	.002	.006	.005	.024	.035	.01
%RSD	.0434	.0666	.2039	.1595	.9266	1.329	.0166

#1	H2.669	H3.317	Z.825	Z.943	Z.558	Z.642	L46.80
#2	H2.668	H3.320	Z.833	Z.936	Z.592	Z.692	L46.81

Errors	LC High	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low
High	2.625	2.625					52.76
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	L23.03
SDev	.02
%RSD	.1075

#1	L23.03
#2	L23.00

Errors	LC Low
High	23.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	48240	--	--	--	--	--	--
SDev	87.56359	--	--	--	--	--	--
%RSD	.1811021	--	--	--	--	--	--
#1	48178	--	--	--	--	--	--
#2	48302	--	--	--	--	--	--

Method: ICP-AES Sample Name: CCV17 Operator: SD
 Run Time: 10/26/00 23:16:25
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	147.26	.0132	.0112	1.0011	.0002	H60.03
SDev	.0001	.05	.0067	.0010	.0002	.0002	.01

%RSD	521.9	11123	51.15	8.567	20.52	94.46	10217
#1	1.0001	147.29	1.0179	1.0118	-1.0010	1.0004	H60.02
#2	-1.0001	147.22	1.0084	1.0105	-1.0013	1.0001	H60.04
Errors	NOCHECK	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0007	1.0053	-1.0027	H55.96	H55.94	1.0033
Stdev	1.0001	1.0006	1.0003	1.0003	01	1.00	1.0003
%RSD	111.0	86.94	6.584	9.825	1.0175	1.0049	8.596
#1	1.0001	1.0011	1.0056	-1.0026	H55.95	H55.94	1.0035
#2	1.0000	1.0003	1.0051	-1.0029	H55.96	H55.95	1.0031
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0262	1.0035	1.0016	1.0000	1.0342	89.12	-1.0039
Stdev	1.0095	1.0001	1.0001	1.0037	1.0113	1.00	1.0016
%RSD	36.44	2.163	4.167	10640.	33.12	1.0020	41.56
#1	1.0329	1.0037	1.0016	1.0026	1.0422	89.12	-1.0051
#2	1.0194	1.0035	1.0017	-1.0026	1.0262	89.12	-1.0026
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3303
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0028	1.0028	1.0232	-1.0094	1.0367	1.0326	1.0961
Stdev	1.0003	1.0005	1.0008	1.0003	1.0062	1.0139	1.0370
%RSD	12.25	18.67	3.271	2.941	16.86	42.60	38.53
#1	1.0030	1.0031	1.0226	-1.0093	1.0411	1.0424	1.0699
#2	1.0026	1.0024	1.0237	-1.0096	1.0324	1.0228	1.1222
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
Units	ppm						
Avg	1.0241						
Stdev	1.0198						
%RSD	82.17						
#1	1.0381						
#2	1.0101						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.050	--	--	--	--	--	--
Avge	48069	--	--	--	--	--	--
SDev	74.9864e	--	--	--	--	--	--
ARSD	.1535981	--	--	--	--	--	--
#1	4801e	--	--	--	--	--	--
#2	48122	--	--	--	--	--	--

Method: ICP4HT Sample Name: CCR1 Operator: SD
 Run Time: 10/26/00 23:21:47
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4954	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0003	1.0086	1.0027	1.0030	1.0000	1.0000	1.0087
SDev	1.0001	1.0046	1.0034	1.0004	1.0001	1.0000	1.0055
ARSD	44.57	55.18	123.12	13.94	750.12	79.02	63.49
#1	1.0002	1.0054	1.0051	1.0035	1.0000	1.0000	1.0126
#2	1.0004	1.0119	1.0004	1.0027	1.0000	1.0001	1.0048

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.000	1.0040	1.0000	1.0050	1.0010	1.5000
Low	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0002	1.0000	1.0001	1.0032	1.0308	1.0106	1.0000
SDev	1.0001	1.0006	1.0001	1.0002	1.0159	1.0054	1.0000
ARSD	58.05	1443.	107.6	3.842	31.57	30.81	106.7
#1	1.0005	1.0004	1.0002	1.0030	1.0420	1.0144	1.0000
#2	1.0001	1.0004	1.0000	1.0033	1.0196	1.0068	1.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0081	1.0007	1.0017	1.0037	1.0057	1.0184	1.0016
SDev	1.0011	1.0002	1.0007	1.0020	1.0039	1.0162	1.0003
ARSD	14.50	31.09	40.33	53.90	68.49	87.89	16.32
#1	1.0089	1.0008	1.0017	1.0051	1.0084	1.0298	1.0018
#2	1.0072	1.0005	1.0021	1.0023	1.0029	1.0070	1.0014

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.5000	1.0100
Low	1.0050	1.0050	1.0030	1.0100	1.0100	1.5000	1.0100

Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	ppm	opm	ppm
Avgc	1.0000	1.0003	1.0017	1.0014	1.0099	1.0033	1.0383
SDev	1.0001	1.0001	1.0011	1.0004	1.0071	1.0023	1.0163
%RSD	388.19	38.66	69.58	30.96	71.34	70.53	42.59

#1	1.0000	1.0004	1.0008	1.0011	1.0149	1.0049	1.0499
#2	-1.0001	1.0002	1.0025	1.0017	1.0049	1.0016	1.0265

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	opm
Avgc	1.0113
SDev	1.0014
%RSD	12.83

#1	1.0103
#2	1.0123

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avgc	49357	--	--	--	--	--	--
SDev	16.58110	--	--	--	--	--	--
%RSD	1.0335941	--	--	--	--	--	--
#1	49345	--	--	--	--	--	--
#2	49369	--	--	--	--	--	--

Method: ICP4HI Sample name: A100547-16-81 X10 Operator: SD

Run Time: 10/26/00 23:26:55

Comment:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	17.48	7172.	24.33	56.46	178.7	19.54	4313.
SDev	1.11	394.	97	4.76	9.9	1.08	234.
%RSD	6.372	5.496	3.978	4.928	5.551	5.586	5.421
#1	18.27	7451.	25.02	89.47	185.7	20.11	4476.
#2	16.69	6893.	23.65	63.45	171.7	18.58	4148.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	10.84	30.40	47.06	36.36	17330.	6085.	216.0
SDev	1.70	1.79	2.52	2.27	529.	346.	11.8
%RSD	6.452	5.872	5.345	5.916	5.359	5.679	5.456
#1	11.53	31.66	48.84	39.96	17990.	6330.	224.6
#2	10.34	29.14	45.28	36.73	16670.	5841.	207.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	13.61	40.45	537.9	3.362	18.33	399.8	91.53
SDev	1.08	2.23	34.4	1.085	1.71	20.7	3.73
%RSD	1.5788	5.505	6.399	2.573	3.898	5.170	6.265
#1	13.67	42.00	562.2	3.302	18.84	414.4	95.59
#2	13.56	38.85	513.5	3.422	17.83	385.2	87.48
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	54.57	188.9	515.6	548.9	19.33	17.80	917.6
SDev	2.86	10.5	18.8	42.2	1.29	1.22	49.4
%RSD	5.261	5.433	3.639	7.694	1.482	6.828	5.387
#1	56.34	196.1	528.9	578.8	19.12	18.66	952.6
#2	52.30	181.6	502.4	519.0	19.53	16.94	882.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4.000	-4.000					
Elem	K_7664						
Units	opm						
Avgc	3567.						
SDev	703.						
%RSD	5.698						
#1	3711.						
#2	3424.						
Errors	NOCHECK						
High							
Low							
InstId	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--

Avg	51819	--	--	--	--	--	--
SDev	123.2493	--	--	--	--	--	--
%RSD	.2378462	--	--	--	--	--	--
#1	51732	--	--	--	--	--	--
#2	51906	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100547-16-S2 X10 Operator: S
 Run Time: 10/26/00 23:32:09
 Comment:
 Mode: CFNO Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.36	7116.	24.07	65.32	162.6	19.52	4482.
SDev	.42	107.	.16	1.60	3.0	.30	69.
%RSD	2.422	1.499	.6820	1.675	1.662	1.558	1.533
#1	17.66	7192.	23.95	66.46	164.7	19.73	4530.
#2	17.07	7041.	24.19	64.19	160.4	19.30	4435.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-16000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.79	30.57	46.94	39.73	17070.	5802.	209.6
SDev	.11	.39	.65	.62	747.	90.	3.3
%RSD	.9923	1.288	1.376	1.573	1.448	1.539	1.562
#1	10.67	30.64	47.40	40.17	17250.	5866.	212.1
#2	10.72	30.09	46.48	39.29	16900.	5738.	207.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000	20000.	1000.
Low	-12000	-1.000	-16000	-2.000	-10.00	-10.00	-16000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13.80	41.03	531.2	3.458	18.01	449.3	92.16
SDev	.06	.51	12.5	.093	.75	6.6	2.39
%RSD	.4683	1.233	2.368	2.682	4.168	1.479	2.589
#1	13.76	41.39	539.9	3.392	18.54	454.0	93.85
#2	13.85	40.67	522.5	3.523	17.48	444.6	90.48

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000	1000.	1000.	1000.	1000.	34200.	1000.
Low	-16000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr2071	Zr2072	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	55.74	187.0	314.4	539.5	20.21	16.87	946.9
SDev	.76	3.3	3.6	16.6	.05	1.11	7.5
%RSD	1.342	1.663	1.034	3.072	2450	6.552	7728

#1	54.28	189.2	517.0	551.3	20.24	17.65	952.1
#2	53.21	184.8	511.9	527.8	20.17	16.09	941.7

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-14000	-4.000					

Elem K_7664
 Units ppm
 Avge 3220.
 SDev 62.
 %RSD 1.936

#1 3264.
 #2 3176.

Errors NOCHECK
 High
 Low

InrStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Units	371.050	--	--	--	--	--	--
Avge	31855	--	--	--	--	--	--
SDev	164.0847	--	--	--	--	--	--
%RSD	.3164512	--	--	--	--	--	--

#1 31739 -- -- -- -- --
 #2 31971 -- -- -- -- --

Method: ICP4HI Sample Name: A100561-1 X10 Operator: SD
 Run Time: 10/26/00 23:57:27
 Comment:
 Load: CONC Corr. Factor: 193

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0289	H76160.	22.52	1.700	110.0	.8476	3668.
SDev	.0157	21.	.59	.024	.0	.0050	1.
%RSD	57.76	.0277	1.746	1.392	.0146	.5944	.0332

#1 .0181 H76150. 22.59 1.717 110.0 .8512 3667.
 #2 .0397 H76160. 22.04 1.683 110.0 .8441 3669.

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-16000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1977	9.755	59.65	37.93	H22410.	6489.	606.7
SDev	.0466	.021	.03	.07	1.	4	.0
%RSD	23.56	.2119	.0665	.1262	.0064	.0571	.0046

#1 .2306 9.739 59.67 37.98 H22410 6486. 606.7
 #2 .2117 9.748 59.47 37.88 H22410 6481 606.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	1.567	60.48	8.834	-1.2692	3.080	173.9	1.7907
SDev	.153	.28	.154	.6482	1.144	1.1	.6397
%RSD	9.762	.4671	1.514	240.7	37.15	.6106	80.90

#1	1.675	60.68	8.739	-1.7776	3.889	174.6	1.243
#2	1.459	60.28	8.929	.1891	2.271	173.1	.3384

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zn203/1	Zn203/2	Pb1960/1	Pb1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	54.26	91.25	45.69	-9.640	5.937	1.605	747.7
SDev	.06	.07	.01	.209	.310	1.561	.64
%RSD	.1055	.0807	.0190	2.168	5.227	97.22	.8546

#1	54.22	91.20	45.70	-9.788	6.156	2.709	752.2
#2	54.30	91.30	45.68	-9.497	5.718	.5017	743.2

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-1.000					

Elem	K_7664
Units	opm
Avgc	1510.
SDev	
%RSD	.0048

#1	1510.
#2	1510.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
Wave	371.050	---	---	---	---	---	---
Energy	50586	---	---	---	---	---	---
SDev	8.90788E	---	---	---	---	---	---
%RSD	.0176094	---	---	---	---	---	---

#1	50591	---	---	---	---	---	---
#2	50580	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100577-1 Operator: SP

Run Time: 10/26/00 23:42:56

Comment:

Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	4.789	0.180	0.0477	1.849	-0.0005	16.26
SDev	0.0001	0.025	0.0045	0.0002	0.004	0.0000	0.05
RRSD	7.674	0.4737	24.96	0.4278	0.2044	0.6196	0.2877
#1	-0.0007	4.805	0.0211	0.0478	1.852	-0.0005	16.25
#2	-0.0007	4.775	0.0148	0.0475	1.847	-0.0005	16.30

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0009	0.062	0.0424	0.8690	19.97	7.874	0.011
SDev	0.0000	0.0000	0.0004	0.0007	0.02	0.024	0.0006
RRSD	3.659	0.755	0.6780	0.0787	0.1104	0.3005	0.1915
#1	0.0008	0.062	0.0427	0.8695	19.95	7.857	0.0007
#2	0.0009	0.062	0.0422	0.8685	19.99	7.891	0.015

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0086	0.930	0.1220	0.0094	0.0068	11.83	0.0101
SDev	0.0010	0.0005	0.0006	0.0012	0.0014	0.08	0.0085
RRSD	11.43	0.2775	0.5067	12.50	21.19	6.418	84.38
#1	0.0095	0.932	0.1215	0.0086	0.0078	11.88	-0.0041
#2	0.0079	0.928	0.1224	0.0102	0.0057	11.78	0.0162

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.000	-0.0100

Elem	V_2924	Zn2062	Zr2037/1	Zr2037/2	Zr2037/1	Zr2037/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0391	0.665	0.1251	0.1201	-0.0003	0.0100	0.137
SDev	0.0001	0.008	0.0005	0.0012	0.0011	0.0027	0.02
RRSD	0.3150	0.663	4.153	9.896	395.1	26.94	0.1889
#1	0.0390	0.659	0.1255	0.1197	-0.0010	0.0119	0.136
#2	0.0392	0.671	0.1245	0.1209	0.0005	0.0081	0.139

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-0.0020	-0.0200					-0.5000

Analysis Report

10/26/00 11:47:43 PM

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UNITS ppm
 Avge 2.175
 SDev .1044
 BRSD 2.018

#1 2.206
 #2 2.144

Errors LC Pass
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avge	47840	--	--	--	--	--	--
SDev	212.839	--	--	--	--	--	--
BRSD	.4448937	--	--	--	--	--	--
#1	47690	--	--	--	--	--	--
#2	47991	--	--	--	--	--	--

Code: (CRP4R) Sample Name: A100577-2 Operator: SD

Run Time: 10/26/00 23:47:44

Comment:

Code: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0007	4.303	1.0125	1.0513	2.689	1.0005	14.65
SDev	1.0002	1.004	1.0002	1.0003	1.004	1.0000	1.04
BRSD	36.23	1.0970	1.941	1.5082	1.1491	1.1837	1.2575
#1	1.0009	4.306	1.0060	1.0512	2.692	1.0005	14.60
#2	1.0005	4.300	1.0127	1.0515	2.686	1.0005	14.66

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.000 -1.0040 -1.000 -1.0050 -1.0010 -1.5000

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0008	1.0080	1.0639	1.8425	28.26	6.600	1.3292
SDev	1.0001	1.0002	1.0000	1.0001	1.04	1.012	1.0006
BRSD	11.96	2.026	1.0469	1.0175	1.1575	1.748	1.1690
#1	1.0007	1.0079	1.0639	1.8423	28.23	6.592	1.3286
#2	1.0008	1.0082	1.0640	1.8476	28.29	6.609	1.3296

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0004	.0011	.0010	.0000	.0007	.015	.0009
%RSD	2.036	.5695	.5070	.4079	6.680	.1975	5.151
#1	.0204	.1951	.1943	.0095	.0108	7.656	L-.0177
#2	.0210	.1966	.1957	.0094	.0098	7.635	L-.0165

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	-1.000	- .0100

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0267	1.029	.1966	.1939	.0028	.0137	12.45
SDev	.0001	.004	.0018	.0006	.0031	.0026	.00
%RSD	.4314	.4158	.8976	.3102	107.3	18.67	.0319

#1	.0266	1.026	.1953	.1935	.0007	.0155	12.44
#2	.0267	1.032	.1978	.1945	.0050	.0119	12.45

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000

Elem	K_7664
Units	ppm
Avg	1.007
SDev	1.425
%RSD	141.4

#1	2.015
#2	.0000

Errors	LC Pass
High	50.00
Low	- .5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavlen	571.050	--	--	--	--	--	--
Avg	48161	--	--	--	--	--	--
SDev	147.7494	--	--	--	--	--	--
%RSD	.3067808	--	--	--	--	--	--
#1	48057	--	--	--	--	--	--
#2	48266	--	--	--	--	--	--

Method: ORP461 Sample Name: 4100577-3 Operator: SD

Time: 10/26/00 23:58:03

Comment:

Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0007	5.335	.0108	.0238	86.233	-.0005	7.521
SDev	.0001	.008	.0051	.0008	.000	.0000	.013

%RSD	14.54	1.853	28.89	2.129	1.0070	1.841	1.1294
#1	-1.0007	3.539	1.0086	1.0234	H6.234	-1.0005	9.812
#2	-1.0008	3.331	1.0130	1.0241	H6.233	-1.0005	9.830
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0005	1.0096	1.0310	1.4428	28.55	4.739	1.3136
SDev	1.0001	1.0005	1.0001	1.0000	1.03	1.004	1.0003
%RSD	18.54	2.968	1.2241	1.0054	1.1191	1.0872	1.1009
#1	1.0005	1.0098	1.0309	1.4428	28.50	4.736	1.3134
#2	1.0004	1.0094	1.0310	1.4428	28.55	4.742	1.3138
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0053	1.0594	1.0546	1.0060	1.0102	8.434	L-1.0120
SDev	1.0002	1.0006	1.0002	1.0010	1.0000	1.007	1.0014
%RSD	5.038	1.9789	1.3609	17.47	1.2965	1.0816	11.37
#1	1.0054	1.0599	1.0544	1.0053	1.0102	8.439	L-1.0130
#2	1.0052	1.0590	1.0547	1.0068	1.0102	8.429	L-1.0110
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0250	1.6095	1.0586	1.0523	1.0004	1.0148	4.030
SDev	1.0001	1.0002	1.0026	1.0010	1.0005	1.0003	1.089
%RSD	1.3185	1.0326	4.389	1.891	1.3116	1.946	2.205
#1	1.0249	1.6094	1.0587	1.0530	1.0000	1.0150	3.967
#2	1.0250	1.6097	1.0604	1.0516	1.0007	1.0146	4.092
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	1.1158						
SDev	1.006						
%RSD	1.4871						
#1	1.1162						
#2	1.1154						

Errors LC Pass
 High 50.00
 Low -1.5000

TrkStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Z	--	--	--	--	--	--
WaveLen	371.050	--	--	--	--	--	--
Avgc	48738	--	--	--	--	--	--
SDev	101.715e	--	--	--	--	--	--
SRSD	2087003	--	--	--	--	--	--
#1	4866e	--	--	--	--	--	--
#2	48810	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100506-1 X10 Operator: SD
 Run Time: 10/26/00 23:58:10
 Comment:
 Index: CONC Corr. Factor: 197

Elem	Ag3260	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	4.612	5555.	2.730	12.36	165.4	-1.0004	8513.
SDev	0.047	5.	1.281	1.11	1.1	1.0003	1.
SRSD	1.029	10517	10.28	16780	10367	53.39	10122
#1	4.579	5551.	2.929	12.28	165.5	-1.0006	8513.
#2	4.646	5555.	2.332	12.43	165.4	-1.0002	8514.

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 200.0 20000. 1000. 1000. 1000. 1000. 20000.
 Low -1.6000 -20.00 -2.000 -2.000 -6.000 -1.4000 -10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	6728	5.263	15.84	111.4	8496.	6925.	243.9
SDev	10064	1.157	1.01	1.1	5.	.	1.0
SRSD	19462	2.897	10974	10548	10397	10006	10075
#1	6685	5.155	15.83	111.3	8498.	6925.	243.9
#2	6773	5.571	15.85	111.4	8493.	6925.	244.0

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1000. 1000. 1000. 1000. 20000. 20000. 1000.
 Low -1.2000 -1.000 -1.6000 -2.000 -10.00 -10.00 -1.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	5.396	15.86	14.53	-1.1622	2.014	225.1	-1.257
SDev	1.100	1.15	1.04	1.5593	1.251	1.7	1.778
SRSD	2.931	1.081	1.2699	344.9	12.45	15051	61.87
#1	5.325	15.75	14.50	1.2333	1.856	225.6	-1.7072
#2	5.466	15.96	14.55	-1.5577	2.191	224.6	-1.807

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1000. 1000. 1000. 1000. 1000. 34200. 1000.

LOW	-1.8000	-1.8000	-1.0000	-3.0000	-2.0000	-100.00	-2.0000
Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.29	208.4	16.47	13.50	3.836	1.044	481.6
SDev	.04	.3	.28	.20	.135	.443	26.0
%RSD	.1981	.1548	1.710	1.475	3.524	42.45	5.401

#1	18.26	208.6	16.67	13.36	3.932	.7305	463.2
#2	18.32	208.1	16.27	13.64	3.740	1.357	500.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.0000					

Elem	K_7664
Units	ppm
Avg	984.9
SDev	7.0
%RSD	.7077

#1	983.4
#2	986.6

Errors	NOCHECK
High	
Low	

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wave	571.050	---	---	---	---	---	---
Avg	50328	---	---	---	---	---	---
SDev	544.2533	---	---	---	---	---	---
%RSD	.6640231	---	---	---	---	---	---
#1	50571	---	---	---	---	---	---
#2	50084	---	---	---	---	---	---

Method: ICP4RI Sample Name: A100506-2 X10 Operator: SD
 Run Time: 10/27/00 00:03:50
 Comment:
 Code: CONC Corr. Factor: 187

Elem	Ag3280	Al3082	As1890	B_2496	Ba4954	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	13662	367.1	13685	2.826	14.31	-1.0319	836.8
SDev	10083	5.7	1185	.033	.16	.0002	9.8
%RSD	2.148	1.417	82.15	1.158	1.127	.5391	1.170
#1	13920	370.8	12847	2.849	14.42	-1.0321	845.7
#2	13503	363.5	4523	2.805	14.19	-1.0318	829.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Analysis Report

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Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0466	1.0059	1.052	9.258	337.9	276.6	4.784
SDev	1.0062	1.0636	1.015	1.163	5.0	3.7	1.070
%RSD	13.24	10.87	1.390	1.764	1.488	1.339	1.461
#1	1.0446	1.0391	1.062	9.373	341.4	279.5	4.834
#2	1.0426	1.0444	1.041	9.142	334.3	274.2	4.735
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000
Elem	Mn2020	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.6011	1.5741	1.7485	1.0206	1.0916	168.4	1.6048
SDev	0.163	0.565	0.305	0.0730	1.0949	3.5	1.0451
%RSD	2.705	9.844	4.087	354.2	103.4	2.075	7.455
#1	1.6126	1.6077	1.7267	1.0310	1.0247	170.9	1.6367
#2	1.5896	1.5342	1.7699	1.0725	1.1590	165.9	1.5729
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.555	17.65	1.467	1.3381	1.879	1.8578	180.4
SDev	1.0383	1.01	1.029	1.0315	1.024	1.1504	2.6
%RSD	4.589	1.770	1.942	9.310	1.269	15.20	1.460
#1	18.626	17.68	1.447	1.3159	1.862	1.9500	182.3
#2	18.084	17.43	1.487	1.3604	1.895	1.7656	178.5
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-1.000					
Elem	K_7664						
Units	ppm						
Avg	247.0						
SDev	1.0						
%RSD	1.6474						
#1	248.1						
#2	245.9						
Errors	NOCHECK						
High							
Low							
Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Rev	001.001						

Avg	49715	--	--	--	--	--	--
SDev	82.41385	--	--	--	--	--	--
%RSD	.165777	--	--	--	--	--	--
#1	49772	--	--	--	--	--	--
#2	49655	--	--	--	--	--	--

Method: JCAP4H1 Sample Name: A100506-5 X10 Operator: SP
 Run Time: 10/27/00 00:08:44
 Comment:
 Mode: CONC Corr. Factor: 192

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2265	227.0	-1308	1.955	9.849	-1.0320	585.5
SDev	.0295	.1	.0005	.002	.025	.0024	.9
%RSD	13.02	.0476	.2053	.0817	.2348	7.625	.1465
#1	.2056	227.1	-1306	1.952	9.866	-1.0358	585.2
#2	.2475	226.9	-1310	1.954	9.833	-1.0303	586.4

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0264	.0383	.7428	6.099	395.1	290.6	3.379
SDev	.0421	.0349	.0354	.015	2.2	.1	.001
%RSD	159.6	91.20	4.762	.2445	.5481	.0466	.0203
#1	.0562	.0629	.7178	6.110	393.6	290.7	3.378
#2	-1.0034	.0136	.7678	6.089	396.7	290.5	3.379

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2066	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.3165	.3985	.6526	.4965	.3624	149.3	-1.724
SDev	.0104	.0286	.2014	.2516	.3579	.2	.4975
%RSD	3.275	7.190	23.62	50.67	98.75	.1453	288.5
#1	.3091	.4187	.7102	.6744	.6155	149.5	-1.5242
#2	.3238	.3782	.9950	.3166	.1094	149.2	.1793

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3502
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9515	15.95	1.289	.5821	1.101	-1.0648	164.9
SDev	.0075	.03	.513	.0456	.033	.5533	.7
%RSD	.7918	.2111	39.78	7.834	2.982	554.5	.419

#1	13569	15.97	19263	13498	11077	13285	165.1
#2	19462	15.92	11651	16079	11124	-14560	164.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-14000	-41000					

Elem K_7664
 Units ppm
 Avge 240.e
 SDev 5.7
 %RSD 2.364

#1 244.6
 #2 236.6

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem							
IntLen	3711030						
Avge	49507						
SDev	92.55917						
%RSD	1.869612						

#1 49575
 #2 49442

Method: (CAP48) Sample Name: A100547-12 X10 Operator: SD

Run Time: 10/27/00 00:13:52

Comment:

Mode: CONC Corr. Factor: 196

Elem	Ag3280	Al3082	As1890	S_2496	Se4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	13245	6166.	3.639	3.663	170.6	114955	11440.
SDev	10765	27.	1128	1169	17	10000	44.
%RSD	73.59	14399	2.260	4.623	14280	8056	15849

#1 13786 6185. 3.749 3.543 171.1 114955 11470.
 #2 12704 6146. 3.368 3.783 170.1 114955 11410.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-16000	-20.00	-2.000	-2.000	-6.000	-14000	-10.00

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	31604	81271	25.71	78.34	16810.	3981.	174.4
SDev	1047	1115	116	153	79.	17.	17
%RSD	1.235	1.388	1.6291	4179	14673	14172	14205

#1 31636 81353 25.83 78.57 16860. 3995.
 #2 31636 81353 25.83 78.57 16860. 3995.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	1.455	17.90	495.3	1.060	1.456	244.3	-1.8703
SDev	.015	.19	5.2	.715	.557	.3	.3892
%RSD	1.021	1.047	1.044	67.45	36.53	.1319	44.72
#1	1.444	16.03	499.0	1.565	1.832	244.5	-1.145
#2	1.465	17.77	491.7	.5542	1.080	244.1	-1.5951

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	29.15	389.3	482.9	501.5	3.829	.2135	56.36
SDev	.06	1.8	1.0	2.3	.020	.7877	4.34
%RSD	.2177	.4615	.1975	1.452	.5315	368.9	7.706
#1	29.20	390.5	483.6	506.7	3.843	.7705	59.43
#2	29.11	388.0	482.2	496.4	3.814	-1.3434	53.29

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-4.000					

Elem	K_7664
Units	oem
Avgc	1960.
SDev	.6.
%RSD	.3237
#1	1970.
#2	1961.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
K1/Elem	371.030	--	--	--	--	--	--
U/Elem	32063	--	--	--	--	--	--
SDev	85.8775e	--	--	--	--	--	--
%RSD	.1649492	--	--	--	--	--	--
#1	52000	--	--	--	--	--	--
#2	37174	--	--	--	--	--	--

Method: ICP4RF Sample Name: 0081
 Run Time: 10/27/00 00:19:11
 Comment:
 Code: CONC Corr. Factor: 1

Operator: SP

Elem	Ag3280	Al3082	As1890	S_2496	Ba4934	Ba3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0062	1.0026	1.0016	1.0001	1.0002	1.0115
SDev	1.0004	1.0056	1.0016	1.0002	1.0001	1.0000	1.0055
SRSD	552.7	57.70	61.42	14.54	57.54	1.825	47.90
#1	1.0002	1.0057	1.0035	1.0018	1.0002	1.0002	1.0154
#2	1.0004	1.0087	1.0015	1.0015	1.0001	1.0002	1.0076
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Low	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0000	1.0000	1.0001	1.0030	H.0598	1.0075	1.0001
SDev	1.0002	1.0001	1.0001	1.0001	1.0336	1.0022	1.0001
SRSD	5587.1	657.1	60.97	21.617	56.28	29.18	93.46
#1	1.0001	1.0000	1.0002	1.0029	H.0836	1.0090	1.0002
#2	1.0001	1.0000	1.0001	1.0030	1.0360	1.0059	1.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0009	1.0005	1.0020	1.0015	1.0009	1.0387	1.0021
SDev	1.0006	1.0001	1.0017	1.0024	1.0011	1.0075	1.0008
SRSD	65.63	22.19	65.57	157.3	121.1	19.28	36.49
#1	1.0005	1.0006	H.0032	1.0032	1.0001	1.0335	1.0027
#2	1.0013	1.0005	1.0008	1.0002	1.0017	1.0440	1.0016
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0050	1.0100	1.0100	1.000	1.0100
Low	1.0050	1.0050	1.0050	1.0100	1.0100	1.000	1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0011	1.0023	1.0016	1.0039	1.0037	1.0742
SDev	1.0002	1.0006	1.0017	1.0017	1.0025	1.0005	1.0788
SRSD	53.65	59.55	74.35	108.3	63.90	12.36	106.2
#1	1.0004	1.0015	1.0035	1.0028	1.0057	1.0034	1.1300
#2	1.0002	1.0006	1.0011	1.0004	1.0022	1.0040	1.0185
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	1.0020	1.0200					1.5000

Units ppm
 Avge -0.0087
 SDev 0.0110
 ARSD 127.3

#1 -0.0009
 #2 -0.0165

Errors LC Pass
 High 0.5000
 Low -0.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avge	49733	--	--	--	--	--	--
SDev	85.65128	--	--	--	--	--	--
ARSD	0.1682023	--	--	--	--	--	--
#1	49673	--	--	--	--	--	--
#2	49792	--	--	--	--	--	--

Code: 10AP481 Sample Name: 00V18 Operator: SD
 Run Time: 10/27/00 00:24:25
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0057	-0.0256	H2.734	2.623	L2.250	H2.836	0.0064
SDev	0.0007	0.0005	0.002	0.000	0.001	0.001	0.0014
ARSD	0.1341	0.846	0.0707	0.163	0.0489	0.0227	21.35

#1 0.0057 -0.0259 H2.733 2.623 L2.250 H2.836 0.0074
 #2 0.0048 -0.0252 H2.736 2.623 L2.249 H2.835 0.0055

Errors LC Pass NOCHECK LC High LC Pass LC Low LC High NOCHECK
 High 0.5750 2.625 2.750 2.625 2.625 2.625
 Low 0.4750 2.375 2.250 2.375 2.375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H3.030	H2.846	H2.885	L2.297	0.6357	-0.0028	H2.774
SDev	0.000	0.001	0.001	0.001	0.0041	0.0002	0.001
ARSD	0.0055	0.177	0.0242	0.0406	0.6491	5.238	0.0390

#1 H3.030 H2.845 H2.885 L2.298 0.6387 -0.0026 H2.775
 #2 H3.030 H2.846 H2.886 L2.297 0.6328 -0.0029 H2.773

Errors LC High LC High LC High LC Low NOCHECK NOCHECK LC High
 High 2.625 2.625 2.625 2.625 2.625 2.625
 Low 2.375 2.375 2.375 2.375 2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.021	.000	.002	.006	.021	.0059	.001
%RSD	.7566	.0085	.0704	.2403	.7897	2.944	.0212
#1	H2.750	H2.973	H2.934	2.542	H2.632	.2058	H2.728
#2	H2.780	H2.973	H2.931	2.534	H2.662	.1974	H2.729

Errors	LC High	LC High	LC High	LC Pass	LC High	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	opm	opm	opm	ppm	opm	opm	opm
Avg	H2.681	H3.361	2.864	2.967	2.591	2.675	L47.17
SDev	.000	.001	.004	.001	.010	.026	.06
%RSD	.0166	.0164	.1546	.0303	.3879	.9843	.1190

#1	H2.681	H3.360	2.867	2.967	2.584	2.656	L47.21
#2	H2.681	H3.361	2.861	2.966	2.598	2.694	L47.15

Errors	LC High	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	L23.03
SDev	.05
%RSD	.2235

#1	L23.06
#2	L22.96

Errors	LC Low
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avg	49014	--	--	--	--	--	--
SDev	151.6627	--	--	--	--	--	--
%RSD	.7686227	--	--	--	--	--	--
#1	48971	--	--	--	--	--	--
#2	49107	--	--	--	--	--	--

Method: ICP460 Sample Name: HCV19 Operator: SO
 Run Time: 10/27/00 00:29:33
 Comment:
 Code: CONC Corr Factor: 1

Elem	Hg5780	As1582	As1890	S_2496	Se4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0003	L47.32	.0155	.0109	.0010	.0003	H60.84
SDev	.0003	.0003	.0003	.0003	.0003	.0003	.0003

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%RSD	55.03	10615	28.02	14.49	20.71	91.91	11958
#1	1.0002	147.54	1.0184	1.0120	-1.0009	1.0005	H60.76
#2	1.0004	147.50	1.0123	1.0098	-1.0012	1.0001	H60.95
Errors High	NOCHECK	LC Low	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
Low		52.50					52.50
		47.50					47.50
Elem Units	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Avg	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SDev	1.0000	1.0008	1.0058	-1.0024	H56.31	H56.49	1.0034
%RSD	1.0004	1.0001	1.0005	1.0001	1.07	1.07	1.0002
#1	2104.	10.05	8.017	5.355	1.1265	1.1163	6.500
#2	1.0003	1.0009	1.0061	-1.0023	H56.26	H56.44	1.0036
#7	-1.0002	1.0008	1.0054	-1.0025	H56.36	H56.53	1.0032
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
Low					52.50	52.50	
					47.50	47.50	
Elem Units	Mo2020	Ni2516	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Avg	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SDev	1.0247	1.0038	1.0011	1.0032	1.0375	89.08	-1.0032
%RSD	1.0097	1.0003	1.0004	1.0038	1.0057	1.04	1.0034
#1	39.98	6.786	34.90	120.7	32.43	1.0419	106.0
#2	1.0310	1.0036	1.0014	1.0058	1.0481	89.06	-1.0008
#7	1.0174	1.0040	1.0008	1.0005	1.0289	89.11	-1.0057
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
Low						94.00	
						77.00	
Elem Units	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3502
Avg	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SDev	1.0053	1.0038	1.0249	-1.0110	1.0395	1.0362	1.1741
%RSD	1.0005	1.0005	1.0002	1.0005	1.0141	1.0112	1.0075
#1	15.38	12.60	1.7145	4.471	55.70	50.91	4.317
#2	1.0034	1.0042	1.0250	-1.0107	1.0495	1.0441	1.1688
#7	1.0028	1.0035	1.0248	-1.0114	1.0295	1.0285	1.1794
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Low							
Elem Units	K_7664						
Avg	ppm						
SDev	1.0104						
%RSD	1.0007						
#1	6.676						
#2	1.0095						
#7	1.0108						

Errors: NOCHECK

High

Low

ChanStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Zr	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avgc	48366	--	--	--	--	--	--
SDev	85.8775e	--	--	--	--	--	--
RRSD	.1775591	--	--	--	--	--	--
#1	48305	--	--	--	--	--	--
#2	48426	--	--	--	--	--	--

Method: ICP-AES

Sample Name: CCB1

Operator: SD

Run Time: 10/27/00 00:34:53

Comment:

Unit: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-0.0003	-0.0139	H.0046	.0030	.0000	-0.0000	.0108
SDev	.0000	.0001	.0015	.0001	.0000	.0000	.0055
RRSD	9.774	36.56	35.22	5.264	205.1	71.44	50.78
#1	-0.0003	-0.0104	H.0057	.0031	.0000	-0.0000	.0147
#2	-0.0003	-0.0175	.0035	.0030	-0.0000	-0.0001	.0069

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0000	.0002	-0.0001	-0.0031	.0362	.0112	-0.0001
SDev	.0001	.0000	.0001	.0001	.0148	.0045	.0001
RRSD	161.9	17.92	60.45	3.603	40.90	40.59	114.9
#1	.0001	.0002	-0.0001	-0.0030	.0467	.0144	-0.0000
#2	-0.0000	.0002	-0.0002	-0.0032	.0257	.0080	-0.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	H.0064	-0.0005	-0.0001	.0018	.0074	.0009	-0.0039
SDev	.0020	.0001	.0014	.0035	.0020	.0148	.0036
RRSD	31.69	28.55	1465.	199.6	27.61	1577.	92.50
#1	H.0075	-0.0006	-0.0011	-0.0007	.0088	.0114	-0.0014
#2	H.0050	-0.0004	.0009	.0045	.0060	-0.0095	-0.0065

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
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Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0001	.0006	.0010	-.0009	.0110	.0055	.0923
SDev	.0002	.0005	.0022	.0009	.0031	.0015	.0416
%RSD	177.6	83.24	212.0	101.2	28.50	28.26	45.07
#1	.0003	.0009	-.0005	-.0016	.0132	.0064	.0629
#2	-.0000	.0002	.0026	-.0003	.0088	.0042	.1217
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avgc	-.0235
SDev	.0174
%RSD	73.85

#1	-.0358
#2	-.0117

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avgc	49876	--	--	--	--	--	--
SDev	39.34939	--	--	--	--	--	--
%RSD	.0788952	--	--	--	--	--	--
#1	49848	--	--	--	--	--	--
#2	49903	--	--	--	--	--	--

Method: ICP481 Sample Name: A100547-15 X10 Operator: SD
 Run Time: 10/27/00 00:40:07
 Comments:
 Load: CONC Conc. Factor: 195

Elem	Hg5280	As15082	As15890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.5280	5280.	207.4	3.666	122.6	1.4040	4987.
SDev	.10645	.1411	6.2	.1154	3.3	.0104	148.
%RSD	12.22	2.667	2.978	3.659	2.651	2.581	2.959
#1	.5736	5379.	211.7	3.761	125.1	1.4114	5091.
#2	.4824	5180.	203.0	3.572	120.5	1.3967	4883.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	2.984	7.691	22.79	69.65	14720.	3746.	125.0
SDev	1.106	1.264	1.72	1.91	417.	110.	5.6
%RSD	3.557	5.427	3.144	2.746	2.833	2.949	2.850
#1	3.059	7.678	23.30	71.00	15020.	3824.	127.5
#2	2.910	7.505	22.29	68.29	14430.	3668.	122.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	1.477	16.80	H13840	371.1	1.703	165.1	15134
SDev	1.070	1.30	577.	12.4	1.652	10.1	16389
%RSD	4.757	2.991	2.725	3.352	38.29	6.016	203.9
#1	1.521	17.15	<i>Pa, Be, Co, Cr, Ni</i>		1.242	175.3	17651
#2	1.422	16.44			2.164	161.0	11384

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1000	1000	1000.	1000	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	27.49	365.2	13320.	14090.	3.476	1.7632	3.087
SDev	1.79	10.7	352.	389.	1.734	1.6150	5.261
%RSD	2.889	2.943	2.644	2.764	21.12	80.58	105.7
#1	28.05	370.8	13570.	14370.	2.957	1.3284	1.7807
#2	26.93	355.7	13070.	13820.	3.995	1.198	5.393

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-1.000					

Elem	K_7664
Units	opm
Avgc	1757.
SDev	130.
%RSD	2.820

#1	1823.
#2	1752.

Errors	NOCHECK
High	
Low	

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	1						

Avg	52271	--	--	--	--	--	--
SD	231.8951	--	--	--	--	--	--
%RSD	.4436375	--	--	--	--	--	--
#1	52107	--	--	--	--	--	--
#2	52435	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100547-14 X10 Operator: SP
 Run Time: 10/27/00 00:45:21
 Comment:
 Mode: CONC Corr. Factor: 197

Elem	Ag3280	Al3082	As1690	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0751	3754.	4.768	2.696	65.42	1.4358	4139.
SD	.0199	304.	.576	.266	4.57	.0052	219.
%RSD	26.53	8.285	12.04	9.174	7.052	1.202	5.291
#1	1.0610	3970.	5.196	3.084	88.65	1.4395	4294.
#2	1.0892	3539.	4.381	2.708	82.19	1.4321	3984.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2263	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0581	7.645	22.175	13.45	12400.	4101.	137.9
SD	1.0320	1.518	1.119	.78	645.	224.	7.5
%RSD	83.96	6.602	5.227	5.802	5.237	5.452	5.321
#1	1.0607	8.214	23.59	14.00	12860.	4259.	143.0
#2	1.0555	7.481	21.91	12.90	11940.	3943.	132.7

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.3900	15.70	141.6	10188	1.076	250.9	1.1595
SD	1.0912	1.83	8.9	10096	1.481	14.3	1.5133
%RSD	23.07	5.271	6.290	50.96	44.74	5.719	521.9
#1	1.4609	16.28	147.9	10256	1.7355	261.0	1.2035
#2	1.3318	15.11	135.3	10120	1.416	240.7	1.5224

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_1974	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.48	46.86	158.4	143.1	5.199	1.0417	6.271
SD	1.57	7.28	5.7	10.3	1.277	1.5836	5.632
%RSD	5.601	15.59	3.590	7.156	24.573	15.99	90.12

#1	35.45	48.47	142.4	150.5	3.005	-1.4544	10.27
#2	26.51	45.25	134.4	135.7	3.393	1.3710	2.275
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4000	-4000					
Elem	K_7664						
Units	ppm						
Avg	2051.						
SDev	110.						
%RSD	5.345						

#1	2150.
#2	1975.
Errors	NOCHECK
High	
Low	

Instd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
Mean	371.030	---	---	---	---	---	---
Avg	37324	---	---	---	---	---	---
SDev	162.1042	---	---	---	---	---	---
ARSD	0.5098057	---	---	---	---	---	---
#1	52210	---	---	---	---	---	---
#2	52439	---	---	---	---	---	---

Method: ICP481 Sample Name: A100547-13 X10 Operator: SD

Run Time: 10/27/00 00:50:55

Comment:

Code: QUNC Corr. Factor: 1.99

Elem	Ag3260	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10101	6546.	4.133	3.078	89.34	1.4330	3973.
SDev	10223	5.	1.082	1.144	1.05	1.0008	5.
ARSD	221.4	1.0811	1.983	4.392	1.0563	1.1816	1.1376
#1	-1.0057	6550.	4.097	3.180	89.38	1.4336	3965.
#2	1.0258	6542.	4.213	2.976	89.31	1.4325	3977.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Low	LC Pass
High	100.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.0000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Co2265	Cr2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4577	7.635	27.35	24.66	15350.	4632.	193.9
SDev	1.0218	1.010	1.02	1.01	19.	6.	1.2
ARSD	4.476	1.066	1.0715	1.0234	1240	1380	1.120
#1	1.5032	9.651	27.34	24.65	15340.	4628.	193.7
#2	1.4122	7.619	27.35	24.67	15360.	4637.	194.1

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000	20000.	1000.
Low	-1.0000	-1.000	-1.0000	-2.000	-10.00	-10.00	-1.0000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	1.2092	19.17	173.8	-1.5544	1.315	136.9	-1.7645
SDev	1.0974	.14	.5	.4671	.229	.14	.0021
%RSD	46.57	.7541	.2666	84.27	17.41	1.036	.2715

#1	1.1403	19.07	173.5	-1.2740	1.477	137.9	-1.7660
#2	1.2781	19.27	174.1	-1.8847	1.153	135.9	-1.7631

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000	1000	1000.	1000.	1000.	34200.	1000.
Low	-1.0000	-1.0000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Z203/1	Z203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avgc	53.29	86.99	173.1	174.1	3.913	-1.0401	3.270
SDev	1.07	.33	.0	.7	.211	.2380	6.938
%RSD	1.2037	.3811	.0110	.3957	5.388	593.9	212.2

#1	53.24	86.75	173.1	173.7	4.062	.1282	-1.636
#2	53.34	87.22	173.1	174.6	3.764	-1.2084	8.176

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.000					

Elem	K_7664
Units	opm
Avgc	2305.
SDev	.4
%RSD	.1530

#1	2308.
#2	2305.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
wavlen	571.036	--	--	--	--	--	--
e	52967	--	--	--	--	--	--
SDev	25.74035	--	--	--	--	--	--
%RSD	.0485974	--	--	--	--	--	--

#1	52945	--	--	--	--	--	--
#2	52985	--	--	--	--	--	--

Isotop: ICAP4h1 Sample Name: A100547-Z1 X10 Operator: SP
 Run Time: 10/27/00 00:55:49
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3260	Al3082	As1690	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	37.38	3228.	184.8	40.70	143.5	48.27	11560.
SDev	1.05	1.	2.5	1.6	1.0	1.06	7.
RRSD	.0691	.0274	1.341	.4013	.0128	.1708	.0635
#1	37.60	3227.	185.1	40.59	143.5	48.31	11560.
#2	37.36	3229.	186.6	40.82	143.5	48.23	11550.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.0000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	72.68	225.8	153.4	76.47	9878.	2520.	375.0
SDev	1.13	1.0	1.	1.01	10.	4.	1.4
RRSD	.1623	.0207	.0325	.0075	.0953	.1740	.1043
#1	72.77	225.8	153.4	76.48	9885.	2523.	375.3
#2	72.39	225.8	153.3	76.47	9871.	2517.	374.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	58.80	80.83	134.1	9.354	147.3	153.7	82.81
SDev	2.00	1.09	1.5	1.142	3.9	1.9	1.21
RRSD	3.436	.1114	.5617	1.519	2.646	.5826	.2577
#1	55.38	80.89	134.4	9.454	144.5	153.1	82.97
#2	58.21	80.76	133.7	9.253	150.0	154.4	82.66

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	54200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	164.2	325.6	133.1	134.5	146.7	147.5	995.5
SDev	1.1	1.1	1.3	1.6	1.8	4.9	2.5
RRSD	.0551	.0261	.0099	.4369	1.241	3.345	.2492
#1	164.2	325.6	133.3	134.9	145.4	144.1	997.3
#2	164.1	325.7	132.9	134.1	148.0	151.0	993.7

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.000					

Elem X 7684

Units ppm
 Avge 2931.
 SDev 5.
 %RSD .1587

#1 2928.
 #2 2934.

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
diam	7	--	--	--	--	--	--
wavlen	371.050	--	--	--	--	--	--
Avge	52834	--	--	--	--	--	--
SDev	107.162e	--	--	--	--	--	--
%RSD	.2028272	--	--	--	--	--	--
#1	52755	--	--	--	--	--	--
#2	52910	--	--	--	--	--	--

Code: 10AP4RT Sample Name: A100554-2 Operator: SD
 Run Time: 10/27/00 01:01:05
 Comment:
 Mode: CONC Corr. Factor: 122

Elem	Ag3280	Al3082	As1890	S_2496	Sa4954	Se3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.1250	1963	55.94	707.5	13.69	-.0257	4672.
SDev	.0085	6.	.42	.15	.05	.0011	15.
%RSD	6.781	.3154	.7501	.0766	.1850	4.243	.3277

#1	-.1171	1967.	55.64	707.1	13.71	-.0249	4661.
#2	-.1289	1955.	56.24	707.9	13.68	-.0264	4683.

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0184	-.0229	.7032	4.050	244.2	3194.	8.598
SDev	.0061	.0126	.0202	.008	1.5	9.	.000
%RSD	50.25	54.92	2.878	.2061	.7458	.2732	.0037

#1	.0160	-.0318	.6889	4.056	245.5	3187	8.598
#2	.0336	-.0140	.7175	4.044	242.9	3200.	8.598

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2581	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.344	.5967	2.546	1.479	1.187	378.8	-.065
SDev	.463	.0117	.218	.502	.592	3.4	.157
%RSD	34.44	1.953	8.554	33.94	49.87	8872	14.73

#1	1.677	.5886	2.700	1.124	1.606	381.2	-.9535
#2	1.017	.6047	2.392	1.853	.784	376.4	-1.176

Elem	V_2924	Zn2062	Zn20571	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avgc	1.667	17.87	4.320	1.625	-1.1746	1.830	152.4
SDev	.034	.04	.034	.309	.2877	.744	.5
%RSD	2.037	.2104	.7961	19.04	164.7	40.64	.2235
#1	1.645	17.84	4.344	1.844	.0288	2.356	152.1
#2	1.691	17.90	4.296	1.342	-1.5780	1.304	152.6

Elem K_7664
 Units ppm
 Avgc 272.4
 SDev 5.8
 %RSD 2.129

#1 276.5
 #2 268.3

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avgc	48919	--	--	--	--	--	--
SDev	102.7075	--	--	--	--	--	--
%RSD	.2099555	--	--	--	--	--	--
#1	48848	--	--	--	--	--	--
#2	48991	--	--	--	--	--	--

Method: ICP-AES Sample Name: C061 Operator: SD
 Run Time: 10/27/00 01:06:17
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1590	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0000	-.0153	.0017	.0084	-.0000	-.0002	.0048
SDev	.0003	.0006	.0008	.0020	.0000	.0000	.0053
%RSD	1036.1	3.731	48.12	23.99	604.4	7.176	111.6
#1	-.0002	-.0157	.0011	.0098	-.0000	-.0002	.0086
#2	.0003	-.0148	.0022	.0070	.0000	-.0002	.0010

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.3000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0001	.0002	.0000	-.0031	.0094	.0060	-.0001
SDev	.0002	.0002	.0004	.0002	.0024	.0019	.0000
%RSD	309.1	113.7	2894	7.377	25.14	30.97	37.31
#1	-.0001	.0000	-.0002	-.0032	.0077	.0074	-.0001
#2	.0002	.0003	.0003	-.0029	.0111	.0047	-.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	-.0010	-.0070	-.0050	-.0050	-.0500	-.3000	-.0050
Low	-.0010	-.0070	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	-1.0008	1.0022	1.0004	-1.0003	1.0117	-1.0014
SDev	1.0004	1.0000	1.0001	1.0017	1.0016	1.0030	1.0074
%RSD	132.15	3.957	5.558	378.4	557.8	26.09	515.3

#1	1.0000	-1.0008	1.0021	-1.0007	-1.0014	1.0138	1.0038
#2	1.0006	-1.0008	1.0025	1.0016	1.0008	1.0095	-1.0067

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.000	1.0100
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0010	1.0042	1.0009	1.0090	-1.0052	1.1259
SDev	1.0001	1.0004	1.0009	1.0003	1.0026	1.0011	1.1419
%RSD	16.76	36.42	21.64	30.29	28.44	21.64	112.7

#1	1.0003	1.0013	1.0036	1.0011	1.0072	-1.0060	1.0256
#2	1.0002	1.0008	1.0049	1.0007	1.0108	-1.0044	1.2263

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	-1.0223
SDev	1.0238
%RSD	107.6

#1	-1.0390
#2	-1.0055

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	50547	--	--	--	--	--	--
SDev	208.1557	--	--	--	--	--	--
%RSD	4117643	--	--	--	--	--	--
#1	50694	--	--	--	--	--	--
#2	50400	--	--	--	--	--	--

Method: ICP4R1 Sample Name: A100287-1-11 3010 Operator: S
 Run Time: 10/27/00 01:16:45
 Comment:
 Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al5082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.529	36.11	2.140	10.06	8.908	2.289	231.7
SDev	1.004	1.03	1.032	1.02	1.002	1.001	1.0
%RSD	10586	10803	11494	12268	10280	10429	10129
#1	9.526	36.09	2.118	10.05	8.907	2.289	231.7
#2	9.531	36.13	2.163	10.08	8.910	2.290	231.7
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.211	2.255	2.331	1.828	44.39	211.9	2.246
SDev	1.003	1.005	1.003	1.002	1.01	1.1	1.000
%RSD	12420	12403	11096	11275	10190	10280	10033
#1	1.208	2.258	2.333	1.830	44.38	211.9	2.246
#2	1.213	2.251	2.329	1.827	44.40	211.9	2.246
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.178	2.299	11.61	9.320	1.925	4.718	10.51
SDev	1.019	1.007	1.07	1.032	1.103	1.004	1.00
%RSD	15626	11047	11507	13427	31336	10938	10080
#1	2.165	2.301	11.62	9.347	1.852	4.721	10.51
#2	2.191	2.298	11.60	9.297	1.998	4.715	10.51
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.170	13.27	11.34	11.74	1.886	1.942	191.8
SDev	1.005	1.00	1.00	1.03	1.066	1.121	1.6
%RSD	12105	10303	10263	12362	31488	61241	18540
#1	2.174	13.27	11.33	11.76	1.840	1.856	193.0
#2	2.167	13.28	11.34	11.72	1.933	2.027	190.6
Elem	K_7664						
Units	ppm						
Avg	173.3						
SDev	1.13						
%RSD	10367						
#1	173.3						
#2	173.2						
Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.050	--	--	--	--	--	--
Avg	30742	--	--	--	--	--	--
SDev	129.9509	--	--	--	--	--	--
%RSD	1500120	--	--	--	--	--	--

#1	30150	--	--	--	--	--	--
#2	30354	--	--	--	--	--	--

Method: JCAP4HJ Sample Name: A100257-1-L2 STLC1 Operator: RL
 Run Time: 10/27/00 01:21:59
 Comment:
 Code: CONC Corr Factor: 10

Elem	Ag3280	Al3087	As1690	S_2496	Sa4954	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9.498	36.41	2.151	9.782	8.982	2.313	234.4
SDev	.012	.01	.016	.015	.002	.001	.0
%RSD	.1301	.0253	.7681	.1498	.0203	.0265	.0112

#1	9.506	36.41	2.120	9.793	8.983	2.314	234.4
#2	9.489	36.40	2.143	9.772	8.981	2.313	234.3

Elem	Cd2765	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.270	2.257	2.354	1.844	44.65	214.2	2.264
SDev	.001	.004	.005	.001	.03	.1	.000
%RSD	.0871	.1590	.2201	.0437	.0696	.0692	.0101

#1	1.271	2.260	2.337	1.843	44.67	214.3	2.264
#2	1.219	2.255	2.350	1.844	44.63	214.1	2.264

Elem	Mo2020	Ni2316	Pb2203	Sb2065	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.215	2.353	11.71	9.208	1.983	4.754	10.51
SDev	.008	.001	.01	.025	.072	.012	.10
%RSD	.3580	.0443	.0490	.2746	3.608	.2618	.9828

#1	2.212	2.352	11.71	9.190	1.933	4.763	10.44
#2	2.223	2.354	11.71	9.226	2.034	4.745	10.58

Elem	V_2924	Zn2062	Zr270371	Zr270372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.193	13.41	11.49	11.82	1.970	1.988	193.0
SDev	.001	.00	.03	.01	.097	.059	.19
%RSD	.0233	.0022	.2856	.0693	4.910	2.937	.4662

#1	2.193	13.41	11.51	11.81	1.902	1.946	193.0
#2	2.192	13.41	11.47	11.82	2.038	2.029	192.4

Elem	K_7664
Units	ppm
Avg	174.3
SDev	.1
%RSD	.0406

#1	174.3
#2	174.4

IntStd	1	2	3	4	5	6	7
mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem		---	---	---	---	---	---
Wavelength	571.030	---	---	---	---	---	---
Avgc	50577	---	---	---	---	---	---
SDev	116.0732	---	---	---	---	---	---
%RSD	.2290625	---	---	---	---	---	---
#1	50591	---	---	---	---	---	---
#2	50735	---	---	---	---	---	---

Method: ICP4RI Sample Name: A100257-1 X10 Operator: SC
 Run Time: 10/27/00 01:27:12
 Comment:
 Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-.0014	.0388	.2636	8.098	.0235	-.0245	.4285
SDev	.0005	.0075	.0584	.008	.0003	.0000	.0014
%RSD	54.09	19.36	21.97	1.038	1.228	.0492	.6374
#1	-.0016	.0355	.2244	8.097	.0235	-.0245	.4296
#2	-.0011	.0441	.3069	8.104	.0237	-.0245	.4275

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0060	.3998	4.672	15.35	82.74	.2248	2.211
SDev	.0002	.0009	.008	.03	.30	.0083	.005
%RSD	2.616	.2155	.1730	.1636	.3582	3.690	.2139
#1	.0058	.3992	4.666	15.35	82.55	.2190	2.208
#2	.0061	.4004	4.677	15.31	82.95	.2307	2.214

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.869	833.3	.1718	-.3660	.3816	11.92	-.3239
SDev	.020	2.7	.0005	.0106	.0246	.18	.0427
%RSD	1.057	.3259	.2825	2.890	4.193	1.496	13.19
#1	1.863	833.4	.1778	-.3735	.6055	11.80	-.2937
#2	1.855	837.2	.1786	-.3585	.3706	12.05	-.3541

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.1690	.3810	.3632	.0826	.8671	.4454	1339.
SDev	.0007	.0022	.0077	.0046	.0049	.0345	.4
%RSD	.4170	.5890	2.133	5.597	.5660	7.751	.3050
#1	.1655	.3794	.3687	.0794	.8706	.4698	1342.
#2	.1695	.3826	.3577	.0859	.8637	.4210	1336.

Elem	K_7664
Units	ppm
Avgc	2.462
SDev	.121
%RSD	4.896
#1	2.577

#2 2.547

InstStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
WavLen	571.050	---	---	---	---	---	---
Avgc	48560	---	---	---	---	---	---
SDev	30.19299	---	---	---	---	---	---
ARSD	0621764	---	---	---	---	---	---
#1	48581	---	---	---	---	---	---
#2	48539	---	---	---	---	---	---

Method: ICP-AES Sample Name: C081 Operator: 50
 Run Time: 10/27/00 01:32:27
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0001	-1.0290	H.0084	1.0057	-1.0001	-1.0002	-1.0020
SDev	1.0003	1.0070	1.0077	1.0005	1.0001	1.0000	1.0003
ARSD	513.9	7.055	31.42	12.86	58.73	14433	16.05
#1	-1.0003	-1.0304	H.0066	1.0040	-1.0001	-1.0002	-1.0017
#2	1.0001	-1.0275	H.0103	1.0033	-1.0000	-1.0002	-1.0022

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0000	1.0040	1.0000	1.0050	1.0010	1.5000
Low	-1.0050	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0001	1.0002	1.0002	-1.0028	1.0130	1.0021	-1.0001
SDev	1.0002	1.0004	1.0001	1.0000	1.0020	1.0038	1.0000
ARSD	282.7	153.5	61.86	16858	15.32	177.2	12169
#1	-1.0001	-1.0000	1.0003	-1.0028	1.0116	-1.0005	-1.0001
#2	1.0002	1.0005	1.0001	-1.0028	1.0144	1.0048	-1.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0026	H.0185	1.0009	-1.0000	1.0052	-1.0299	-1.0021
SDev	1.0006	1.0059	1.0011	1.0031	1.0047	1.0003	1.0003
ARSD	25.00	31.96	123.9	10660.	89.71	9749	12.98
#1	1.0050	H.0227	1.0001	-1.0022	1.0085	-1.0297	-1.0019
#2	1.0021	H.0143	1.0016	1.0021	1.0019	-1.0301	-1.0023

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.0000	1.0100
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100

Elem	V_2974	Zn2062	220371	220372	196071	196072	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0005	.0029	-.0004	.0072	.0039	.2379
SDev	.0001	.0003	.0003	.0014	.0043	.0048	.0390
%RSD	71.80	47.66	10.92	365.1	59.75	124.3	16.39
#1	.0000	.0003	.0027	-.0014	.0103	.0073	.2104
#2	.0001	.0007	.0031	.0006	.0042	.0005	.2655
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	.0216
SDev	.0078
%RSD	36.11
#1	.0161
#2	.0272

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
Wavelength	371.050	---	---	---	---	---	---
Avg	51053	---	---	---	---	---	---
SDev	94.29375	---	---	---	---	---	---
%RSD	1846969	---	---	---	---	---	---
#1	51120	---	---	---	---	---	---
#2	50987	---	---	---	---	---	---

Method: ICP-AES Sample Name: CCV20 Operator: SD
 Run Date: 10/27/00 01:37:41
 Comment:
 Index: 0000 Corr. Factor: 1

Elem	Ag3260	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.5047	-.0337	21.763	2.631	12.231	21.867	.0043
SDev	.0001	.00015	.001	.001	.003	.002	.0001
%RSD	.0335	3.751	.0362	.0463	.1153	.0574	4.946
#1	.5049	-.0345	21.767	2.630	12.233	21.868	.0043
#2	.5046	-.0328	21.763	2.631	12.229	21.870	.0042
Errors	LC Pass	NOCHECK	LC High	LC Pass	LC Low	LC High	NOCHECK
High	3250		21.625	2.750	2.625	21.625	
Low	4750		21.375	2.250	2.375	21.375	

Elem	Co2263	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avgc	H3.094	H2.887	H2.923	L2.276	.6385	-1.0027	H2.804
SDev	.005	.005	.003	.001	.0009	.0018	.001
%RSD	.1514	.1122	.0963	.0642	.1381	65.85	.0496
#1	H3.091	H2.884	H2.921	L2.277	.6391	-1.0040	H2.803
#2	H3.098	H2.889	H2.925	L2.275	.6379	-1.0015	H2.805
Errors	LC High	LC High	LC High	LC Low	NOCHECK	NOCHECK	LC High
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375
Elem	Mn2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Tl1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	H2.791	H3.037	H2.993	2.537	H2.699	.1775	H2.756
SDev	.027	.004	.005	.002	.027	.0028	.001
%RSD	.9706	.1164	.1636	.0968	.9912	1.601	.0485
#1	H2.771	H3.034	H2.992	2.535	H2.680	.1755	H2.755
#2	H2.810	H3.039	H2.999	2.539	H2.718	.1795	H2.757
Errors	LC High	LC High	LC High	LC Pass	LC High	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375
Elem	V_2924	Zn2062	Zn20371	Zn20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	H2.698	H3.459	2.935	3.025	2.642	2.727	L47.20
SDev	.001	.010	.002	.006	.012	.034	.17
%RSD	.0244	.2764	.0810	.2036	.4669	1.245	.3698
#1	H2.698	H3.452	2.933	3.021	2.633	2.703	L47.32
#2	H2.698	H3.465	2.936	3.030	2.651	2.751	L47.08
Errors	LC High	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Low
High	2.625	2.625					52.70
Low	2.375	2.375					47.50
Elem	K_7664						
Units	ppm						
Avgc	L22.73						
SDev	.04						
%RSD	.1901						
#1	L22.75						
#2	L22.69						
Errors	LC Low						
High	26.25						
Low	25.75						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avgc	49960	--	--	--	--	--	--
SDev	55.43607	--	--	--	--	--	--

%RSD	1109600	--	--	--	--	--	--
#1	49921	--	--	--	--	--	--
#2	50000	--	--	--	--	--	--

Method: ICP-AES Sample Name: GCVZ Operator: SL
 Run Time: 10/27/00 01:42:56
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3260	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	47.73	1.0142	1.0109	1.0010	1.0003	860.46
StDev	1.0003	1.05	1.0045	1.0010	1.0002	1.0002	1.02
RSD	595.15	1.086	31.51	3.871	18.40	66.61	1.0348
#1	1.0003	47.76	1.0174	1.0116	1.0009	1.0005	860.48
#2	1.0002	47.69	1.0111	1.0102	1.0012	1.0002	860.45

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0005	1.0053	1.0023	55.98	56.01	1.0034
StDev	1.0003	1.0000	1.0006	1.0003	1.05	1.03	1.0002
RSD	285.7	3.576	11.59	12.23	1.0911	1.0480	7.165
#1	1.0003	1.0006	1.0056	1.0021	56.02	56.03	1.0036
#2	1.0001	1.0005	1.0049	1.0025	55.95	55.99	1.0032

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0253	1.0047	1.0008	1.0026	1.0342	88.65	1.0016
StDev	1.0077	1.0013	1.0008	1.0033	1.0127	1.01	1.0028
RSD	53.06	27.57	89.22	126.0	37.21	1.0093	170.6
#1	1.0268	1.0056	1.0003	1.0049	1.0432	88.66	1.0003
#2	1.0179	1.0038	1.0014	1.0003	1.0252	88.65	1.0036

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2082	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0028	1.0028	1.0242	1.0111	1.0421	1.0500	1.1119
StDev	1.0003	1.0006	1.0031	1.0027	1.0128	1.0127	1.0561
RSD	17.15	21.83	12.91	24.23	30.50	42.29	50.15
#1	1.0032	1.0032	1.0264	1.0130	1.0512	1.0389	1.1515
#2	1.0025	1.0024	1.0220	1.0099	1.0330	1.0210	1.0722

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem K_7664
 Units ppm
 Avge 1.0341
 SDev 1.0087
 ARSD 25.57

#1 1.0403
 #2 1.0280

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
Wavelength	371.050	---	---	---	---	---	---
Avge	50358	---	---	---	---	---	---
SDev	111.6175	---	---	---	---	---	---
ARSD	12216496	---	---	---	---	---	---
#1	50275	---	---	---	---	---	---
#2	50457	---	---	---	---	---	---

Method: ICP-AES Sample Name: 0061 Operator: SD
 Run Time: 10/27/00 01:48:15
 Comment:
 Code: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0001	1.0163	1.0064	1.0033	1.0000	1.0001	1.0128
SDev	1.0004	1.0031	1.0006	1.0008	1.0001	1.0000	1.0038
ARSD	565.7	19.03	9.721	22.95	555.4	60.52	29.41

#1 1.0002 1.0141 1.0065 1.0035 1.0001 1.0000 1.0155
 #2 1.0004 1.0155 1.0060 1.0028 1.0000 1.0001 1.0102

Errors LC Pass LC Pass LC High LC Pass LC Pass LC Pass LC Pass
 High 1.0030 1.1000 1.0040 1.1000 1.0050 1.0010 1.5000
 Low 1.0050 1.1000 1.0040 1.1000 1.0050 1.0010 1.5000

Elem	Cd2765	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0002	1.0001	1.0003	1.0050	1.0362	1.0147	1.0000
SDev	1.0000	1.0004	1.0001	1.0004	1.0150	1.0057	1.0001
ARSD	10.45	595.9	29.65	12.59	41.41	35.57	535.7

#1 1.0002 1.0004 1.0003 1.0027 1.0468 1.0187 1.0001
 #2 1.0002 1.0002 1.0002 1.0032 1.0256 1.0106 1.0001

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni251A	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	H.0064	.0000	.0007	.0015	.0080	.0037	.0000
SDev	.0008	.0001	.0002	.0011	.0025	.0156	.0025
%RSD	11.73	205.8	27.59	88.63	31.26	418.1	15550.
#1	H.0069	-.0000	.0009	.0005	.0097	.0148	.0018
#2	H.0059	.0001	.0006	.0021	.0062	-.0073	-.0017
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	.0002	.0006	.0016	.0000	.0106	.0064	.1024
SDev	.0002	.0000	.0011	.0008	.0003	.0036	.0657
%RSD	81.27	3.260	67.75	19790.	3.231	56.05	64.18
#1	.0004	.0006	.0008	.0006	.0109	.0089	.1489
#2	.0001	.0006	.0024	-.0006	.0104	.0038	.0559
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	cpm						
Avgc	.0488						
SDev	.0147						
%RSD	30.10						
#1	.0592						
#2	.0384						
Errors	LC Pass						
High	.5000						
Low	-.5000						
InstId	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	571.050	--	--	--	--	--	--
Avgc	51946	--	--	--	--	--	--
SDev	155.422e	--	--	--	--	--	--
D	.2991987	--	--	--	--	--	--
#1	5185e	--	--	--	--	--	--
#2	52056	--	--	--	--	--	--

Method: ICP4HT Sample Name: A100267-1-S1 X10 Operator: SP
 Run Time: 10/27/00 01:53:25
 Comment:
 Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	As1690	S_2496	Sa4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	8.074	35.42	2.486	11.64	9.211	2.312	222.1
SDev	.005	.17	.002	.02	.012	.005	.12
%RSD	.1131	.3519	.0959	.1336	.1262	.1968	.0928
#1	8.080	35.50	2.484	11.65	9.219	2.309	222.0
#2	8.067	35.35	2.487	11.62	9.203	2.315	222.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.157	2.302	5.207	6.374	76.04	189.9	3.103
SDev	.000	.002	.001	.014	.11	.12	.002
%RSD	.0235	.0865	.0156	.2182	.1504	.1226	.0777
#1	1.158	2.301	5.208	6.384	75.96	190.1	3.102
#2	1.157	2.304	5.207	6.364	76.12	189.8	3.105

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.136	340.6	10.77	8.607	2.839	9.886	4.855
SDev	.027	.12	.02	.056	.045	.085	.029
%RSD	.8743	.0728	.2094	.6497	1.689	.8606	.5968
#1	3.117	340.6	10.75	8.568	2.806	9.946	4.855
#2	3.156	341.0	10.78	8.647	2.873	9.826	4.815

Elem	V_2924	Zn2062	Zr20371	Zr20372	1960/1	1960/2	Na5307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.194	12.67	10.67	10.81	2.998	2.726	211.3
SDev	.002	.02	.04	.06	.019	.063	.14
%RSD	.1077	.1210	.4172	.5185	.6089	2.296	.6688
#1	2.195	12.66	10.70	10.77	3.049	2.681	212.3
#2	2.192	12.68	10.63	10.85	3.075	2.770	210.3

Elem	K_7664
Units	ppm
Avg	174.4
SDev	.1
%RSD	.4051
#1	174.8
#2	173.9

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avg	31664	--	--	--	--	--	--
SDev	150.4725	--	--	--	--	--	--
%RSD	.4915070	--	--	--	--	--	--

#1 31548 -- -- -- -- --
 #2 31761 -- -- -- -- --

Method: ICP4RI Sample Name: A100267-1-S2 X10 Operator: S

Run Time: 10/27/00 01:58:39

Comment:

Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.785	36.34	2.555	15.67	9.130	2.316	221.2
SDev	.000	.01	.029	.01	.010	.005	.5
%RSD	.0057	.0342	1.133	.0557	.1118	.2147	.2087

#1	7.785	36.55	2.534	15.68	9.137	2.313	220.9
#2	7.785	36.33	2.575	15.66	9.123	2.320	221.5

Elem	Cd2263	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.163	2.485	6.530	14.18	110.9	189.0	3.974
SDev	.001	.006	.009	.02	.0	.2	.005
%RSD	.0852	.2293	.1369	.1147	.0100	.1172	.1172

#1	1.164	2.481	6.524	14.19	110.8	188.8	3.970
#2	1.162	2.489	6.536	14.17	110.9	189.1	3.977

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.381	676.3	10.94	8.701	2.892	13.98	3.212
SDev	.008	1.7	.03	.064	.058	.18	.020
%RSD	.2269	.1719	.2907	.7316	1.995	1.278	.3777

#1	3.376	675.3	10.92	8.656	2.851	13.86	3.198
#2	3.387	677.2	10.96	8.746	2.932	14.11	3.226

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.276	13.00	10.96	10.98	3.084	2.793	1065.
SDev	.001	.05	.02	.04	.026	.074	.1
%RSD	.0239	.3916	.2133	.3274	.8451	2.639	.1121

#1	2.275	12.97	10.89	10.93	3.066	2.741	1066.
#2	2.276	13.04	10.92	10.98	3.103	2.845	1064.

Elem	K_7664
Units	ppm
Avg	217.6
SDev	1.8
%RSD	.3488

#1	218.1
#2	217.1

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Elem		--	--	--	--	--	--
WAVLEN	371.030	--	--	--	--	--	--
Avgc	50970	--	--	--	--	--	--
SDev	55.68466	--	--	--	--	--	--
%RSD	1.092507	--	--	--	--	--	--
#1	50930	--	--	--	--	--	--
#2	51009	--	--	--	--	--	--

Method: ICP-AES Sample Name: 008 Operator: SC
 Run Time: 10/27/00 02:03:53
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	8_2496	Ba4934	Ba3130	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0002	-1.0315	H.0057	1.0049	1.0002	-1.0001	1.0062
SDev	1.0001	1.0031	1.0012	1.0010	1.0001	1.0000	1.0024
%RSD	29.60	9.710	13.58	21.40	51.85	22.17	58.20
#1	-1.0003	-1.0356	H.0095	1.0057	1.0003	-1.0001	1.0078
#2	-1.0002	-1.0295	H.0079	1.0042	1.0002	-1.0001	1.0045

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0001	-1.0001	1.0045	-1.0028	1.0227	1.0057	1.0003
SDev	1.0000	1.0003	1.0002	1.0001	1.0033	1.0018	1.0000
%RSD	6.662	284.1	5.979	5.512	15.36	31.64	9.927
#1	1.0001	-1.0003	1.0046	-1.0028	1.0252	1.0070	1.0003
#2	1.0001	1.0001	1.0044	-1.0027	1.0203	1.0045	1.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0038	H.0301	1.0012	-1.0024	H.0130	-1.0215	1.0011
SDev	1.0012	1.0077	1.0001	1.0034	1.0008	1.0021	1.0010
%RSD	30.22	25.64	12.41	137.9	6.233	9.672	88.12
#1	1.0047	H.0355	1.0013	-1.0001	H.0135	-1.0200	1.0018
#2	1.0030	H.0246	1.0011	-1.0048	H.0060	-1.0229	1.0004

Errors	LC Pass	LC High	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.0000	1.0100
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100

Elem	V_1924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0001	1.0009	1.0028	1.0001	1.0149	1.0117	1.0051
SDev	1.0003	1.0002	1.0032	1.0014	1.0017	1.0004	1.0108

%RSD	294.3	20.71	114.7	958.9	11.20	3.244	96.66
#1	.0001	.0010	.0050	-.0008	.0160	.0120	.1770
#2	-.0003	.0007	.0005	.0011	.0137	.0115	.0335
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem: K_7664
 Units: ppm
 Avge: .0473
 SDev: .0095
 %RSD: 20.02

#1: .0540
 #2: .0406

Errors: LC Pass
 High: .5000
 Low: -.5000

IntStd	1	2	3	4	5	6	7
Counts	---	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Waven	371.030	---	---	---	---	---	---
Avge	52549	---	---	---	---	---	---
SDev	85.84686	---	---	---	---	---	---
%RSD	.1690749	---	---	---	---	---	---
#1	52617	---	---	---	---	---	---
#2	52486	---	---	---	---	---	---

Method: ICP4RI Sample Name: GOV22 Operator: SD
 Run Time: 10/27/00 02:09:01
 Comment:
 Code: QDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Sr3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.5026	-.0320	H2.757	2.632	L2.256	H2.835	.0043
SDev	.0005	.0008	.010	.005	.000	.000	.0005
%RSD	.0993	2.509	.3721	.2054	.0114	.0049	11.74
#1	.5029	-.0315	H2.750	2.628	L2.257	H2.835	.0047
#2	.5022	-.0326	H2.765	2.636	L2.256	H2.835	.0040

Errors: LC Pass NOCHECK LC High LC Pass LC Low LC High NOCHECK
 High: .3250 2.625 2.750 2.625 2.625 2.625
 Low: .4750 2.375 2.250 2.375 2.375

Elem	Co2265	Co2266	Cr2677	Co3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H3.048	H2.856	H2.889	L2.295	.6252	-.0024	H2.779
SDev	.000	.000	.000	.000	.0057	.0018	.000
%RSD	.0067	.0168	.0049	.0059	.9094	72.85	.0048

#1	H3.048	H2.856	H2.889	L2.295	.6292	-.0012	H2.779
#2	H3.049	H2.855	H2.889	L2.295	.6212	-.0037	H2.779

Errors	LC High	LC High	LC High	LC Low	NOCHECK	NOCHECK	LC High
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti190F
Units	o/m	o/m	o/m	o/m	o/m	o/m	o/m
Avgc	H2.768	H3.011	H2.941	2.527	H2.715	.1732	H2.752
SDev	.021	.001	.006	.001	.014	.0000	.009
%RSD	.7675	.0426	.2095	.0303	.4998	.0008	.3224

#1	H2.753	H3.012	H2.936	2.526	H2.705	.1732	H2.726
#2	H2.783	H3.010	H2.945	2.528	H2.724	.1732	H2.739

Errors	LC High	LC High	LC High	LC Pass	LC High	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	o/m	o/m	o/m	o/m	o/m	o/m	o/m
Avgc	H2.684	H3.371	2.878	2.971	2.657	2.744	47.51
SDev	.000	.002	.004	.007	.013	.014	.14
%RSD	.0130	.0452	.1364	.2447	.4736	.5126	.2960

#1	H2.684	H3.372	2.875	2.966	2.648	2.754	47.61
#2	H2.683	H3.370	2.881	2.977	2.666	2.753	L47.41

Errors	LC High	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	o/m
Avgc	L23.04
SDev	.03
%RSD	.1245

#1	L23.06
#2	L23.02

Errors	LC Low
High	23.25
Low	23.75

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Wavelength	571.030	--	--	--	--	--	--
Avgc	51474	--	--	--	--	--	--
SDev	33.90527	--	--	--	--	--	--
%RSD	.0658691	--	--	--	--	--	--

#1	51496	--	--	--	--	--	--
#2	51450	--	--	--	--	--	--

Method: JCAP4H Sample Name: CCV25 Operator: SP
 Run Time: 10/27/00 02:14:22
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Hf3082	As1890	Sr2498	Sr4934	Sr3150	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0006	47.57	1.0299	1.0147	-1.0001	1.0015	461.47
SDev	1.0005	1.06	1.0126	1.0024	1.0004	1.0005	1.04
RRSD	78.64	1543	42.33	16.54	560.7	39.04	0714
#1	1.0010	47.52	1.0388	1.0164	1.0002	1.0017	461.50
#2	1.0003	47.61	1.0209	1.0130	-1.0004	1.0010	461.45
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Co2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0011	1.0022	1.0065	-1.0014	456.62	456.65	1.0045
SDev	1.0005	1.0009	1.0004	1.0006	1.08	1.04	1.0005
RRSD	46.99	59.76	6.512	45.05	1355	1.0671	10.92
#1	1.0014	1.0028	1.0071	-1.0009	456.67	456.66	1.0048
#2	1.0007	1.0016	1.0065	-1.0018	456.57	456.61	1.0041

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0400	1.0065	1.0027	1.0058	1.0640	58.62	-1.0025
SDev	1.0174	1.0008	1.0012	1.0028	1.0297	1.16	1.0038
RRSD	43.45	12.03	42.58	48.14	46.45	1.835	150.1
#1	1.0523	1.0070	1.0036	1.0078	1.0850	58.51	1.0007
#2	1.0277	1.0059	1.0019	1.0039	1.0430	58.74	-1.0052

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						74.00	
Low						77.00	

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0043	1.0046	1.0235	-1.0079	1.0620	1.0648	1.1875
SDev	1.0007	1.0008	1.0016	1.0026	1.0136	1.0378	1.0638
RRSD	16.88	18.33	6.980	32.58	22.00	58.28	34.05
#1	1.0048	1.0057	1.0225	-1.0061	1.0716	1.0915	1.2326
#2	1.0038	1.0040	1.0246	-1.0097	1.0523	1.0381	1.1424

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem K_7664
 Units ppm
 Avge 10614
 SDev 10340
 %RSD 55.47

#1 10855
 #2 10375

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	50989	---	---	---	---	---	---
SDev	48.01144	---	---	---	---	---	---
%RSD	1.0941609	---	---	---	---	---	---
#1	51025	---	---	---	---	---	---
#2	50955	---	---	---	---	---	---

Method: ICP-AES Sample Name: IC5R1 Operator: SD
 Run Time: 10/27/00 02:19:57
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0001	448.6	1.0069	1.0405	1.0046	1.0005	490.7
SDev	1.0003	1.4	1.0069	1.0003	1.0000	1.0001	1.1
%RSD	781.6	1.0797	99.61	1.7074	1.5625	9.545	1.2187
#1	1.0005	448.8	1.0118	1.0407	1.0046	1.0005	489.8
#2	1.0001	448.3	1.0020	1.0403	1.0046	1.0006	491.4
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		600.0					600.0
Low		400.0					400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0021	1.0009	1.0134	1.0047	198.1	541.8	1.0121
SDev	1.0000	1.0000	1.0005	1.0000	1.2	1.9	1.0000
%RSD	1.585	1.1529	5.1615	1.4794	1.0937	1.1658	1.1254
#1	1.0021	1.0009	1.0131	1.0047	198.0	541.1	1.0121
#2	1.0020	1.0009	1.0137	1.0046	198.2	542.4	1.0121
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					140.0	600.0	
Low					160.0	400.0	

Elem	In2020	Ni2516	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0021	1.0009	1.0134	1.0047	198.1	541.8	1.0121
SDev	1.0000	1.0000	1.0005	1.0000	1.2	1.9	1.0000
%RSD	1.585	1.1529	5.1615	1.4794	1.0937	1.1658	1.1254
#1	1.0021	1.0009	1.0131	1.0047	198.0	541.1	1.0121
#2	1.0020	1.0009	1.0137	1.0046	198.2	542.4	1.0121
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					140.0	600.0	
Low					160.0	400.0	

UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0094	0.0566	-0.0025	-0.0036	0.0215	0.0933	-0.0057
SDev	0.0012	0.0005	0.0005	0.0091	0.0006	0.0511	0.0014
%RSD	12.47	1.479	21.93	251.5	2.607	54.70	39.06
#1	0.0103	0.0362	-0.0020	-0.0100	0.0219	0.1294	-0.0047
#2	0.0086	0.0370	-0.0027	-0.0028	0.0211	0.0572	-0.0026
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0025	0.0104	0.2139	-0.1107	0.0445	0.0097	-0.1244
SDev	0.0001	0.0001	0.0021	0.0003	0.0062	0.0022	0.0233
%RSD	6.169	0.8924	0.9723	0.2624	13.63	22.99	18.76
#1	0.0024	0.0105	0.2153	-0.1109	0.0488	0.0081	-0.1079
#2	0.0026	0.0103	0.2124	-0.1105	0.0401	0.0113	-0.1409
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
UNITS	ppm						
Avg	0.0659						
SDev	0.0208						
%RSD	31.31						
#1	0.0521						
#2	0.0816						
Errors	NOCHECK						
High							
Low							
TotStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avg	50469	--	--	--	--	--	--
SDev	180.9144	--	--	--	--	--	--
%RSD	0.3584679	--	--	--	--	--	--
#1	50597	--	--	--	--	--	--
#2	50541	--	--	--	--	--	--

Method: ICP-AES Sample Name: USAB1 Operator: SU
 Run Time: 10/27/00 02:24:50
 Comment:
 Code: 0000 Corr Factor: 1

Elem	Ag3260	Al3082	As1690	S_2496	Sa4934	Se5130	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm

Avg	.0556	467.6	.0579	.5546	.0412	.0550	513.8
SDev	.0001	.1	.0005	.0015	.0000	.0000	.1
%RSD	.2404	.0234	.5081	.2664	.0110	.0321	.0237
#1	.0557	467.7	.0581	.5556	.0412	.0550	513.9
#2	.0555	467.5	.0577	.5556	.0417	.0550	513.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	600.1	.0600	.0600	.0600	.0600	600.1
Low	.0400	400.0	.0400	.0400	.0400	.0400	400.0

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0592	.0539	.0585	.0447	207.2	567.3	H.0637
SDev	.0000	.0001	.0001	.0002	.1	.1	.0000
%RSD	.0115	.1541	.2355	.5385	.0391	.0230	.0460
#1	.0592	.0539	.0586	.0449	207.2	567.2	H.0632
#2	.0592	.0540	.0584	.0445	207.3	567.4	H.0632

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400

Elem	Mo7020	Ni2516	Pb2205	Sr2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0545	.0576	.0553	.0521	H.0627	.5742	.0438
SDev	.0007	.0012	.0000	.0059	.0032	.0043	.0037
%RSD	1.358	2.010	.0589	11.40	5.081	.7399	8.443
#1	.0551	.0567	.0553	.0479	H.0605	.5772	.0412
#2	.0540	.0584	.0555	.0563	H.0650	.5712	.0464

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400

Elem	V_2924	Zn2062	2205/1	2205/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0549	H.0703	.27804	-.0575	.0889	.0494	12.62
SDev	.0003	.0004	.0021	.0010	.0009	.0043	.0005
%RSD	.6586	.6063	.7479	1.775	.9977	8.790	.4320
#1	.0547	H.0704	.2789	-.0568	.0883	.0463	12.66
#2	.0552	H.0698	.2819	-.0582	.0895	.0524	12.58

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					

Elem	K_7664
Units	ppm
Avg	8.512
SDev	.025
%RSD	.2957
#1	8.529

#2 8.494

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Flam	7	---	---	---	---	---	---
Wavlen	571.030	---	---	---	---	---	---
Avgc	48476	---	---	---	---	---	---
SDev	92.06475	---	---	---	---	---	---
BRSD	.1899166	---	---	---	---	---	---
#1	48411	---	---	---	---	---	---
#2	48542	---	---	---	---	---	---

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0003	-.0008	.0022	.0004	-.0003	.0117	-.0014
SDev	.0004	.0000	.0001	.0017	.0016	.0030	.0074
%RSD	132.5	3.957	5.558	378.4	557.8	26.09	515.3

#1	.0000	-.0008	.0021	-.0007	-.0014	.0138	.0038
#2	.0006	-.0008	.0023	.0016	.0008	.0095	-.0067

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Pb1960/1	Pb1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0003	.0010	.0042	.0009	.0090	-.0052	.1259
SDev	.0001	.0004	.0009	.0003	.0026	.0011	.1419
%RSD	16.76	36.42	21.64	30.29	28.44	21.64	112.7

#1	.0003	.0013	.0036	.0011	.0072	-.0060	.0256
#2	.0002	.0008	.0049	.0007	.0108	-.0044	.2263

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avgc	-.0220
SDev	.0238
%RSD	107.6

#1	-.0390
#2	-.0053

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avgc	50547	--	--	--	--	--	--
SDev	205.1557	--	--	--	--	--	--
%RSD	.4117643	--	--	--	--	--	--
Count	50694	--	--	--	--	--	--
Count	50400	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100287-1-50 581ICP1 Operator: SD
 Run Time: 10/27/00 01:11:15
 Comment:
 Mode: CONC Conc. Factor: 10

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0051	1.0530	1.0666	1.0451	1.0152	1.0015	1.6329
SDev	1.0013	1.0061	1.0505	1.0086	1.0002	1.0001	1.0109
%RSD	24.72	11.45	45.85	19.19	1.245	4.604	1.725
#1	1.0060	1.0487	1.0881	1.0512	1.0153	1.0016	1.6406
#2	1.0042	1.0573	1.0450	1.0390	1.0150	1.0015	1.6232

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0000	1.0058	1.0071	1.0217	1.1654	1.1764	1.0005
SDev	1.0018	1.0014	1.0026	1.0009	1.0408	1.0114	1.0000
%RSD	4265.	24.74	55.92	5.928	24.66	6.486	1.829
#1	1.0013	1.0048	1.0090	1.0211	1.1566	1.1685	1.0005
#2	1.0012	1.0069	1.0053	1.0223	1.1942	1.1845	1.0005

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0421	1.0538	1.0218	1.0388	1.0715	1.4177	1.1044
SDev	1.0146	1.0060	1.0015	1.0041	1.0067	1.0169	1.0023
%RSD	34.79	11.05	5.774	10.62	9.537	4.039	2.191
#1	1.0525	1.0580	1.0226	1.0358	1.0668	1.4297	1.1028
#2	1.0317	1.0496	1.0209	1.0417	1.0762	1.4058	1.1061

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0498	1.0552	1.0057	1.0979	1.0552	5538.
SDev	1.0011	1.0010	1.0299	1.0131	1.0042	1.0079	4.
%RSD	582.7	21.001	56.17	412.0	4.284	14.37	1.0655
#1	1.0005	1.0491	1.0744	1.0061	1.0949	1.0496	5540.
#2	1.0010	1.0506	1.0321	1.0124	1.1008	1.0608	5535.

Elem	K_7664
Units	ppm
Avg	5.607
SDev	1.192
%RSD	5.430
#1	5.743
#2	5.473

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
IntLen	571.050	---	---	---	---	---	---
Avg	47256	---	---	---	---	---	---
SDev	135.2495	---	---	---	---	---	---
%RSD	1.7606442	---	---	---	---	---	---
#1	47199	---	---	---	---	---	---
#2	47374	---	---	---	---	---	---

TJA1473

10/31/00

SD

Standardization RPT.

10/31/00 08:45:03 AM

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Method: ICAP4HI Standard: STD1-BLANK
Run Time: 10/31/00 08:39:55

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Avge	-.0081	.0477	-.0001	.0034	.0001	.0012	.0071
SDev	.0009	.0018	.0002	.0001	.0002	.0000	.0030
%RSD	11.59	3.807	283.3	1.643	169.6	1.444	42.89

#1	-.0074	.0464	.0001	.0033	.0002	.0012	.0049
#2	-.0088	.0490	-.0003	.0034	-.0000	.0012	.0092

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Avge	.0001	-.0006	.0002	.0057	-.0005	.0020	.0001
SDev	.0010	.0005	.0002	.0001	.0001	.0015	.0000
%RSD	939.7	80.71	96.84	1.436	13.00	75.57	20.06

#1	-.0006	-.0003	.0003	.0057	-.0005	.0009	.0001
#2	.0008	-.0009	.0001	.0058	-.0004	.0030	.0001

Elem	Mo2020	Ni2316	Sb2068	Si2881	Ti1908	V_2924	Zn2062
Avge	.0004	.0010	.0004	.0211	-.0006	.0000	.0031
SDev	.0003	.0007	.0000	.0007	.0001	.0001	.0001
%RSD	70.82	73.05	4.432	3.156	23.87	282.4	2.283

#1	.0006	.0015	.0004	.0215	-.0005	.0001	.0031
#2	.0002	.0005	.0003	.0206	-.0007	-.0000	.0032

Elem	220371	220372	196071	196072	Na3302	K_7664
Avge	.0033	.0005	-.0026	.0012	.0001	-.0170
SDev	.0007	.0013	.0006	.0001	.0009	.0002
%RSD	21.26	276.0	22.47	7.590	843.4	1.006

#1	.0038	.0014	-.0031	.0013	.0007	-.0169
#2	.0028	-.0004	-.0022	.0012	-.0005	-.0171

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46870	--	--	--	--	--	--
SDev	68.80204	--	--	--	--	--	--
%RSD	.1467948	--	--	--	--	--	--
#1	46821	--	--	--	--	--	--
#2	46918	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#3A
Run Time: 10/31/00 08:45:08

Elem	Ag3280
Avge	.5803
SDev	.0008
%RSD	.1393

#1	.5797
#2	.5809

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46890	--	--	--	--	--	--
SDev	30.93592	--	--	--	--	--	--
%RSD	.0659755	--	--	--	--	--	--
#1	46868	--	--	--	--	--	--
#2	46912	--	--	--	--	--	--

Method: ICAP4H1 Standard: TJA#3B

Run Time: 10/31/00 08:48:45

Elem Ag3280
 Avge 1.164
 SDev .000
 %RSD .0113

#1 1.164
 #2 1.164

Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47252	--	--	--	--	--	--
SDev	120.7744	--	--	--	--	--	--
%RSD	.2555958	--	--	--	--	--	--
#1	47338	--	--	--	--	--	--
#2	47167	--	--	--	--	--	--

Method: ICAP4H1 Standard: TJA#3C

Run Time: 10/31/00 08:52:23

Elem Ag3280
 Avge 2.307
 SDev .002
 %RSD .0962

#1 2.309
 #2 2.306

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47766	--	--	--	--	--	--
SDev	105.4280	--	--	--	--	--	--
%RSD	.2207197	--	--	--	--	--	--
#1	47691	--	--	--	--	--	--
#2	47840	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#2A
 Run Time: 10/31/00 08:56:01

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avge	5.120	4.876	2.258	3.616	4.424
SDev	.015	.014	.006	.009	.002
%RSD	.2832	.2968	.2739	.2527	.0355

#1	5.110	4.886	2.262	3.623	4.423
#2	5.131	4.866	2.254	3.610	4.426

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	46396	--	--	--	--	--	--
SDev	213.8307	--	--	--	--	--	--
%RSD	.4608784	--	--	--	--	--	--

#1	46245	--	--	--	--	--	--
#2	46548	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#2B
 Run Time: 10/31/00 09:00:10

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avge	10.41	9.706	4.501	7.362	8.804
SDev	.01	.008	.003	.004	.005
%RSD	.1023	.0797	.0718	.0553	.0585

#1	10.41	9.701	4.499	7.359	8.801
#2	10.40	9.712	4.503	7.365	8.808

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	46150	--	--	--	--	--	--
SDev	62.36903	--	--	--	--	--	--
%RSD	.1351443	--	--	--	--	--	--

#1	46106	--	--	--	--	--	--
#2	46194	--	--	--	--	--	--

Method: ICAP4HI Standard: TJA#2C
 Run Time: 10/31/00 09:04:20

Elem	Al3082	Ca3179	Fe2714	Mg2790	Si2881
Avge	21.12	19.21	8.930	14.99	17.52
SDev	.04	.07	.020	.04	.01
%RSD	.1815	.3623	.2247	.2662	.0791

#1	21.15	19.16	8.916	14.96	17.51
#2	21.10	19.26	8.944	15.01	17.53

IntStd	1	2	3	4	5	6	7
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Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	45178	--	--	--	--	--	--
SDev	2.474874	--	--	--	--	--	--
%RSD	.0054780	--	--	--	--	--	--
#1	45180	--	--	--	--	--	--
#2	45177	--	--	--	--	--	--

Method: ICAP4HI Standard: IJA#1A
 Run Time: 10/31/00 09:08:29

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	.2174	1.300	3.529	5.371	3.675	1.036	.9443
SDev	.0009	.003	.005	.008	.006	.001	.0019
%RSD	.4353	.2560	.1469	.1547	.1684	.1293	.2058
#1	.2167	1.297	3.525	5.377	3.679	1.037	.9457
#2	.2181	1.302	3.533	5.365	3.670	1.035	.9430

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Pb1908	V_2924
Avge	1.329	.6854	.4158	1.190	.1377	.0743	.3776
SDev	.002	.0011	.0048	.003	.0003	.0000	.0000
%RSD	.1736	.1558	1.150	.2369	.2551	.0317	.0086
#1	1.327	.6862	.4124	1.192	.1380	.0743	.3777
#2	1.330	.6847	.4192	1.188	.1375	.0743	.3776

Elem	Zn2062	220371	220372	196071	196072
Avge	.8785	.9233	1.262	.4164	.2098
SDev	.0014	.0005	.002	.0043	.0032
%RSD	.1642	.0528	.1539	1.032	1.541
#1	.8795	.9237	1.263	.4134	.2075
#2	.8775	.9230	1.260	.4195	.2121

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46722	--	--	--	--	--	--
SDev	108.8945	--	--	--	--	--	--
%RSD	.2330696	--	--	--	--	--	--
#1	46645	--	--	--	--	--	--
#2	46799	--	--	--	--	--	--

Method: ICAP4HI Standard: IJA#1B
 Run Time: 10/31/00 09:13:11

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	.4365	2.629	7.018	10.64	7.343	2.073	1.883
SDev	.0014	.009	.005	.01	.013	.004	.003
%RSD	.3106	.3514	.0645	.1183	.1775	.1889	.1560
#1	.4355	2.622	7.021	10.63	7.334	2.070	1.881

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avge	2.669	1.357	.8479	2.377	.2767	.1500	.7557
SDev	.000	.001	.0052	.004	.0004	.0001	.0009
%RSD	.0089	.1003	.6169	.1815	.1593	.0483	.1237
#1	2.669	1.356	.8442	2.374	.2763	.1499	.7550
#2	2.669	1.358	.8516	2.380	.2770	.1501	.7563

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2
Avge	1.751	1.861	2.546	.8517	.4341
SDev	.004	.004	.010	.0002	.0016
%RSD	.2164	.2082	.3740	.0188	.3759
#1	1.749	1.864	2.552	.8515	.4330
#2	1.754	1.859	2.539	.8518	.4353

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46473	--	--	--	--	--	--
SDev	43.55612	--	--	--	--	--	--
%RSD	.0937228	--	--	--	--	--	--
#1	46443	--	--	--	--	--	--
#2	46504	--	--	--	--	--	--

Method: JCAP4HI Standard: TJA#10

Run Time: 10/31/00 09:17:53

Elem	As1890	B_2496	Ba4934	Be3130	Cd2265	Co2286	Cr2677
Avge	.8773	5.325	13.82	20.73	14.55	4.137	3.750
SDev	.0008	.006	.01	.01	.02	.003	.004
%RSD	.0949	.1085	.0920	.0586	.1258	.0782	.1061
#1	.8768	5.330	13.83	20.72	14.54	4.135	3.748
#2	.8779	5.321	13.82	20.74	14.56	4.139	3.753

Elem	Cu3247	Mn2576	Mo2020	Ni2316	Sb2068	Tl1908	V_2924
Avge	5.362	2.663	1.701	4.771	.5551	.3022	1.508
SDev	.003	.002	.006	.002	.0016	.0001	.001
%RSD	.0597	.0657	.3410	.0463	.2903	.0379	.0409
#1	5.364	2.662	1.697	4.770	.5539	.3021	1.507
#2	5.360	2.665	1.705	4.773	.5562	.3023	1.508

Elem	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302	K_7664
Avge	3.483	3.712	5.115	1.721	.8781	2.050	1.622
SDev	.007	.010	.004	.003	.0042	.006	.005
%RSD	.1875	.2564	.0809	.1972	.4802	.2801	.2859
#1	3.479	3.705	5.112	1.718	.8751	2.054	1.625
#2	3.488	3.719	5.118	1.723	.8811	2.046	1.618

Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46185	--	--	--	--	--	--
SDev	24.50014	--	--	--	--	--	--
%RSD	.0530477	--	--	--	--	--	--
#1	46202	--	--	--	--	--	--
#2	46168	--	--	--	--	--	--

Method: ICAP4H1 Slope = Conc(SIR)/IR

Element	Wavelength	High std	Low std	Slope	Y-intercept	Date Standardized
Ag3280	328.068	Multiple	Standards	.427783	.003449	10/31/00 08:52:23
Al3082	308.215	Multiple	Standards	4.84135	-.227319	10/31/00 09:04:20
As1890	189.042	Multiple	Standards	5.69972	.000525	10/31/00 09:17:53
B_2496	249.678	Multiple	Standards	.949971	-.003081	10/31/00 09:17:53
Ba4934	493.409	Multiple	Standards	.357377	-.000130	10/31/00 09:17:53
Be3130	313.042	Multiple	Standards	.236371	-.000433	10/31/00 09:17:53
Ca3179	317.933	Multiple	Standards	5.16586	-.037847	10/31/00 09:04:20
Ca2265	226.502	Multiple	Standards	.341438	-.000079	10/31/00 09:17:53
Co2286	228.616	Multiple	Standards	1.20800	.000714	10/31/00 09:17:53
Cr_577	267.716	Multiple	Standards	1.32840	-.000302	10/31/00 09:17:53
Cr_47	324.753	Multiple	Standards	.938997	-.005312	10/31/00 09:17:53
Fe2714	271.441	Multiple	standards	11.1252	.004194	10/31/00 09:04:20
Ag2790	279.078	Multiple	Standards	6.79282	-.010057	10/31/00 09:04:20
In2576	257.610	Multiple	Standards	1.84786	-.000269	10/31/00 09:17:53
Mo2020	202.030	Multiple	Standards	2.96574	-.001023	10/31/00 09:17:53
In2316	231.604	Multiple	standards	1.05053	-.001053	10/31/00 09:17:53
Pb2203	220.353	Multiple	Standards	1.00000	.000000	*NOT STANDARDIZED
Sp2068	206.838	Multiple	Standards	8.99121	-.003120	10/31/00 09:17:53
Se1960	196.026	Multiple	Standards	1.00000	.000000	*NOT STANDARDIZED
Si2881	288.158	Multiple	standards	9.74984	-.206349	10/31/00 09:04:20
Sn1908	190.864	Multiple	Standards	16.6029	.009435	10/31/00 09:17:53
Tl_2924	292.402	Multiple	Standards	3.30867	-.000078	10/31/00 09:17:53
U_2062	206.200	Multiple	Standards	1.43153	-.004471	10/31/00 09:17:53
Zn20371	220.351	Multiple	Standards	1.35069	-.004396	10/31/00 09:17:53
Zn20372	220.352	Multiple	Standards	.983189	-.000396	10/31/00 09:17:53
Zn196071	196.021	Multiple	Standards	2.93738	.007876	10/31/00 09:17:53
Zn196072	196.022	Multiple	Standards	5.82146	-.006837	10/31/00 09:17:53
Na3302	330.232	TJA#1C	STD1-BLANK	1.29300	.001178	10/31/00 09:17:53
Ca_7664	766.491	TJA#1C	STD1-BLANK	1.09739	.001504	10/31/00 09:17:53

Method: ICAP4H1

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3280	328.068	STD1-BLANK	.000000	-.000014	.000014
		TJA#3A	.250000	.251684	-.001684
		TJA#3B	.500000	.501384	-.001384
		TJA#3C	1.000000	.990496	.009504

CorrCoef: 0.99997

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Al3082	308.215	STD1-BLANK	.000000	.003589	-.003589
		TJA#2A	25.0000	24.5624	.437595

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As1890	189.042	STD1-BLANK	.000000	.000039	-.000039
		TJA#1A	1.25000	1.23960	.010402
		TJA#1B	2.50000	2.48837	.011626
		TJA#1C	5.00000	5.00111	-.001112

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As2496	249.678	STD1-BLANK	.000000	.000121	-.000121
		TJA#1A	1.25000	1.23154	.018456
		TJA#1B	2.50000	2.49418	.005816
		TJA#1C	5.00000	5.05591	-.055907

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As4934	493.409	STD1-BLANK	.000000	-.000092	.000092
		TJA#1A	1.25000	1.26099	-.010993
		TJA#1B	2.50000	2.50779	-.007789
		TJA#1C	5.00000	4.94045	.059550

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As6130	313.042	STD1-BLANK	.000000	-.000158	.000158
		TJA#1A	1.25000	1.26908	-.019079
		TJA#1B	2.50000	2.51382	-.013758
		TJA#1C	5.00000	4.89889	.101110

CorCoef: 0.99988

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As6179	317.933	STD1-BLANK	.000000	-.001266	.001266
		TJA#2A	25.0000	25.1515	-.151485
		TJA#2B	50.0000	50.1037	-.103745
		TJA#2C	100.000	99.1866	.813431

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Asd2265	226.502	STD1-BLANK	.000000	-.000043	.000043
		TJA#1A	1.25000	1.25455	-.004552
		TJA#1B	2.50000	2.50701	-.007006
		TJA#1C	5.00000	4.96778	.032218

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Asd2286	228.616	STD1-BLANK	.000000	-.000007	.000007
		TJA#1A	1.25000	1.25178	-.001778
		TJA#1B	2.50000	2.50482	-.004817
		TJA#1C	5.00000	4.99825	.001748

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Asr2677	267.716	STD1-BLANK	.000000	-.000032	.000032
		TJA#1A	1.25000	1.25414	-.004135

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		TJA#1C	5.00000	4.98172	.018279
		STD1-BLANK	.000000	.000057	-.000057
		TJA#1A	1.25000	1.24227	.007726
		TJA#1B	2.50000	2.50060	-.000600
		TJA#1C	5.00000	5.02971	-.029706

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD1-BLANK	.000000	-.001028	.001028
		TJA#2A	25.0000	25.1244	-.124386
		TJA#2B	50.0000	50.0764	-.076393
		TJA#2C	100.000	99.3497	.650330

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD1-BLANK	.000000	.003341	-.003341
		TJA#2A	25.0000	24.5548	.445204
		TJA#2B	50.0000	49.9982	.001839
		TJA#2C	100.000	101.784	-1.78448

CorCoef: 0.99993

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD1-BLANK	.000000	-.000131	.000131
		TJA#1A	1.25000	1.26627	-.016268
		TJA#1B	2.50000	2.50684	-.006839
		TJA#1C	5.00000	4.92125	.078749

CorCoef: 0.99998

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD1-BLANK	.000000	.000117	-.000117
		TJA#1A	1.25000	1.23212	.017879
		TJA#1B	2.50000	2.51364	-.013641
		TJA#1C	5.00000	5.04423	-.044234

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD1-BLANK	.000000	.000012	-.000012
		TJA#1A	1.25000	1.24902	.000977
		TJA#1B	2.50000	2.49623	.003772
		TJA#1C	5.00000	5.01146	-.011456

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
		STD1-BLANK	.000000	.000045	-.000045
		TJA#1A	1.25000	1.23505	.014949

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960	196.026	NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000
		NONE	.000000	.000000	.000000

CorCoef: 0.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn2881	288.158	STD1-BLANK	.000000	-.001027	.001027
		TJA#2A	42.8000	42.9311	-.131142
		TJA#2B	85.6000	85.6351	-.035126
		TJA#2C	171.200	170.605	.594818

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Tl1908	190.864	STD1-BLANK	.000000	.000050	-.000050
		TJA#1A	1.25000	1.24341	.006589
		TJA#1B	2.50000	2.49987	.000127
		TJA#1C	5.00000	5.02661	-.026609

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Cr2924	292.402	STD1-BLANK	.000000	-.000007	.000007
		TJA#1A	1.25000	1.24940	.000595
		TJA#1B	2.50000	2.50014	-.000144
		TJA#1C	5.00000	4.98859	.011408

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn2062	206.200	STD1-BLANK	.000000	-.000027	.000027
		TJA#1A	1.25000	1.25315	-.003154
		TJA#1B	2.50000	2.50273	-.002735
		TJA#1C	5.00000	4.98192	.018084

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn2203/1	220.351	STD1-BLANK	.000000	.000042	-.000042
		TJA#1A	1.25000	1.24275	.007250
		TJA#1B	2.50000	2.50972	-.009716
		TJA#1C	5.00000	5.00957	-.009569

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Sn2203/2	220.352	STD1-BLANK	.000000	.000067	-.000067
		TJA#1A	1.25000	1.24006	.009945
		TJA#1B	2.50000	2.50239	-.002393
		TJA#1C	5.00000	5.02899	-.028994

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Se1960/1	196.021	STD1-BLANK	.000000	.000135	-.000135
		TJA#1A	1.25000	1.23105	.018950

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
CorCoef: 0.99997					
		IJA#1C	5.00000	5.06230	-.062304
196072	196.022	STD1-BLANK	.000000	.000243	-.000243
		IJA#1A	1.25000	1.21470	.035299
		IJA#1B	2.50000	2.52049	-.020493
		IJA#1C	5.00000	5.10516	-.105159
CorCoef: 0.99991					
			Known Signal	Measured Signal	Residual Signal
3302	330.232	STD1-BLANK	.001317	.000107	.001210
		IJA#1C	2.65156	2.04979	.601767
			Known Signal	Measured Signal	Residual Signal
7664	766.491	STD1-BLANK	-.017168	-.017015	-.000153
		IJA#1C	1.78117	1.62172	.159444

Method: ICP4Hi Sample Name: ICP Operator: SP
 Run Time: 10751700 09-40:01
 Comment:
 Code: UNCL Corr. Factor: 1

Element	Ag3280	As3087	Ba1890	B_2496	Ca4934	Be3150	Cs3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.001	0.0015	-0.0000	0.0051	0.0004	0.0002	-0.0161
SDev	0.0005	0.0002	0.0027	0.0004	0.0007	0.0007	0.0001
%RSD	565.19	15.55	14180	8.056	30.56	114.0	7152
#1	0.0001	0.0014	0.0019	0.0054	0.0002	0.0000	-0.0162
#2	-0.0005	0.0017	-0.0019	0.0048	0.0005	0.0004	-0.0160

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.0000	0.0040	0.0000	0.0050	0.0010	0.5000
Low	-0.0030	-0.0000	-0.0040	-0.0000	-0.0050	-0.0010	-0.5000

Element	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0005	-0.0003	-0.0001	-0.0041	-0.0115	0.0001
SDev	0.0002	0.0005	0.0002	0.0001	0.0017	0.0010	0.0002
%RSD	96.97	62.29	62.43	116.1	40.65	8.849	154.9
#1	0.0001	0.0005	-0.0004	-0.0001	-0.0029	-0.0108	0.0000
#2	0.0004	0.0007	-0.0002	-0.0000	-0.0052	-0.0122	0.0003

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Element	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0027	-0.0006	-0.0009	-0.0034	0.0021	0.0696	0.0031
SDev	0.0004	0.0009	0.0007	0.0001	0.0005	0.0050	0.0025
%RSD	15.48	145.8	25.77	4.015	24.57	7.250	51.20
#1	0.0030	0.0000	-0.0011	-0.0035	0.0017	0.0752	0.0015
#2	0.0024	-0.0013	-0.0005	-0.0035	0.0025	0.0680	0.0049

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0050	0.0100	0.0100	0.0000	0.0100
Low	-0.0050	-0.0050	-0.0050	-0.0100	-0.0100	-0.0000	-0.0100

Element	V_2924	Zn2062	Zr0371	Zr0372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0008	-0.0032	-0.0001	0.0039	0.0009	0.498
SDev	0.0000	0.0005	0.0000	0.0003	0.0003	0.0009	0.1101
%RSD	0.4214	51.81	1.189	656.9	8.910	106.5	221.5
#1	0.0007	0.0009	-0.0035	-0.0003	0.0043	0.0007	0.1276
#2	0.0002	0.0006	-0.0037	-0.0002	0.0036	0.0016	-0.0261

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Units ppm
 Avge 11502
 SDev 10496
 KRSD 58.09

#1 11652
 #2 10951

Errors LC Pass
 High 15000
 Low 15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Chan	7	---	---	---	---	---	---
WaveLen	571.030	---	---	---	---	---	---
Avge	47082	---	---	---	---	---	---
SDev	86.37475	---	---	---	---	---	---
KRSD	1634555	---	---	---	---	---	---
#1	47071	---	---	---	---	---	---
#2	47143	---	---	---	---	---	---

Code: CAP4RI Sample Name: CRBLI Operator: SD
 Run Time: 10/31/00 09:45:14
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0037	1.0965	1.0040	1.025	1.0059	1.0016	1.881
SDev	1.0004	1.0001	1.0002	1.0000	1.0001	1.0001	1.0004
KRSD	9.989	11.561	4.422	1.0218	2.275	7.009	7288
#1	1.0034	1.0964	1.0038	1.025	1.0060	1.0017	1.878
#2	1.0039	1.0966	1.0041	1.022	1.0058	1.0015	1.884

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass
High	1.0036	1.1200	1.0048	1.1200	1.0060	1.0012	1.2400
Low	1.0024	1.0800	1.0032	1.0800	1.0040	1.0008	1.1600

Elem	Cd2765	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0016	1.0031	1.0058	1.0058	1.0481	1.2764	1.0060
SDev	1.0003	1.0001	1.0000	1.0001	1.0006	1.0020	1.0001
KRSD	16.13	11.539	2549	1.285	1.316	1.7199	1.768
#1	1.0018	1.0030	1.0058	1.0059	1.0485	1.2750	1.0061
#2	1.0015	1.0031	1.0058	1.0058	1.0476	1.2779	1.0059

Errors	LC High	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0012	1.0024	1.0060	1.0060	1.0600	1.3600	1.0060
Low	1.0008	1.0016	1.0040	1.0040	1.0400	1.2400	1.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2851	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0005	.0001	.0008	.0008	.0009	.0007	.0040
%RSD	3.596	.9770	49.05	9.767	7.740	1.1717	30.85
#1	H.0074	.0059	L.0011	.0088	.0109	L.079	H.0155
#2	H.0071	.0058	L.0023	L.0077	H.0121	L.081	.0101

Errors	LC High	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC High
High	.0060	.0060	.0036	.0120	.0120	1.284	.0120
Low	.0040	.0040	.0024	.0080	.0080	.6560	.0080

Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0031	.0189	-1.0009	.0027	.0117	.0111	H.7094
SDev	.0003	.0001	.0004	.0011	.0007	.0010	.1291
%RSD	8.177	.5637	44.79	39.51	5.688	8.879	18.20

#1	H.0029	.0189	-1.0012	.0020	.0113	.0104	H.6181
#2	H.0033	.0190	-1.0006	.0035	.0127	.0118	H.8007

Errors	LC High	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0024	.0240					.6000
Low	.0016	.0160					.4000

Elem	K_7664
Units	ppm
Avg	H.6085
SDev	.0119
%RSD	1.955

#1	H.6172
#2	H.6004

Errors	LC High
High	.6000
Low	.4000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	371.050	--	--	--	--	--	--
Avg	46909	--	--	--	--	--	--
SDev	40.83541	--	--	--	--	--	--
%RSD	.0870519	--	--	--	--	--	--
#1	46938	--	--	--	--	--	--
#2	46880	--	--	--	--	--	--

Method: ICP4HL Standard: STD1-BLANK

Run Time: 10/31/00 09:52:21

Elem	Ag3780	As3130	Cd2265	Cu2286	Mo2020	V_2924	Zn0371
Avgc	-1.0085	1.0018	1.0005	-1.0005	1.0008	1.0001	1.0017
SDev	1.0023	1.0008	1.0003	1.0003	1.0001	1.0001	1.0008
%RSD	27.154	42.129	62.139	66.109	14.138	254.18	43.176

#1	-1.0068	1.0013	1.0007	-1.0003	1.0009	1.0001	1.0012
#2	-1.0101	1.0024	1.0005	-1.0007	1.0007	-1.0000	1.0025

Elem	Zn0372	Na3302	K_7664
Avgc	-1.0036	1.0015	-1.0174
SDev	1.0007	1.0027	1.0001
%RSD	20.132	204.2	1.4706

#1	-1.0041	1.0032	-1.0173
#2	-1.0031	-1.0006	-1.0175

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavelength	571.030	---	---	---	---	---	---
Avgc	46902	---	---	---	---	---	---
SDev	58.15955	---	---	---	---	---	---
%RSD	1.240034	---	---	---	---	---	---
#1	46945	---	---	---	---	---	---
#2	46860	---	---	---	---	---	---

Method: ICP4HL Slope = Conc(STD)/IR

Element	Wavelength	High std	Low std	Slope	Y-Intercept	Date Standardized
Ag3780	378.068	Multiple Standards	Standards	427621	1.003610	10/31/00 09:52:21
As3130	313.042	Multiple Standards	Standards	1236388	-1.000589	10/31/00 09:52:21
Cd2265	226.502	Multiple Standards	Standards	1341457	-1.000199	10/31/00 09:52:21
Cu2286	228.616	Multiple Standards	Standards	1120808	1.000573	10/31/00 09:52:21
Mo2020	202.030	Multiple Standards	Standards	2196758	-1.002346	10/31/00 09:52:21
V_2924	292.402	Multiple Standards	Standards	3130883	-1.000163	10/31/00 09:52:21
Zn0371	220.351	Multiple Standards	Standards	1134937	-1.002295	10/31/00 09:52:21
Zn0372	220.352	Multiple Standards	Standards	1981355	1.003601	10/31/00 09:52:21
As3302	330.252	TJA#10	STD1-BLANK	1129375	-1.000363	10/31/00 09:52:21
K_7664	766.491	TJA#10	STD1-BLANK	1109713	1.001920	10/31/00 09:52:21

Method: ICP4HL

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
Ag3780	378.068	STD1-BLANK	0.00000	-1.000015	1.000015
		TJA#5A	1.25000	1.251751	-1.001751
		TJA#3B	1.50000	1.501356	-1.001356
		TJA#3C	1.00000	1.990283	1.009717

Intercept: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
As3130	313.042	STD1-BLANK	0.00000	-1.000158	1.000158
		TJA#1A	1.25000	1.26902	-1.019016

CorCoef: 0.99986

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
	226.507	STD1-BLANK	0.00000	-0.00043	0.00043
		TJA#1A	1.25000	1.25450	-0.00450
		TJA#1B	2.50000	2.50703	-0.00702
		TJA#1C	5.00000	4.96794	0.03260

CorCoef: 0.99999

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
	228.616	STD1-BLANK	0.00000	-0.00006	0.00006
		TJA#1A	1.25000	1.25172	-0.00172
		TJA#1B	2.50000	2.50484	-0.00484
		TJA#1C	5.00000	4.99844	0.00156

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
	202.030	STD1-BLANK	0.00000	0.00121	-0.00121
		TJA#1A	1.25000	1.23156	0.01844
		TJA#1B	2.50000	2.51387	-0.01387
		TJA#1C	5.00000	5.04603	-0.04602

CorCoef: 0.99996

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
	292.402	STD1-BLANK	0.00000	-0.00007	0.00007
		TJA#1A	1.25000	1.24936	0.00063
		TJA#1B	2.50000	2.50016	-0.00016
		TJA#1C	5.00000	4.98873	0.01126

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
	220.351	STD1-BLANK	0.00000	0.000036	-0.000036
		TJA#1A	1.25000	1.24363	0.00636
		TJA#1B	2.50000	2.50936	-0.00936
		TJA#1C	5.00000	5.00676	-0.00676

CorCoef: 1.00000

Element	Wavelength	Standard	Known Concentration	Measured Concentration	Residual Concentration
	220.352	STD1-BLANK	0.00000	0.000055	-0.000055
		TJA#1A	1.25000	1.24174	0.00826
		TJA#1B	2.50000	2.50172	-0.00172
		TJA#1C	5.00000	5.02361	-0.02360

CorCoef: 0.99999

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
	530.232	STD1-BLANK	0.001317	0.001299	0.000018
		TJA#1C	2.65156	2.04979	0.60176

CorCoef: 0.99999

Element	Wavelength	Standard	Known Signal	Measured Signal	Residual Signal
	766.491	STD1-BLANK	0.017168	0.017398	-0.000230
		TJA#1C	1.78117	1.62172	0.15944

Method: TOC4PHI Sample Name: TOC1

Operator: SIF

Run Time: 10/25/17 09:56:59

Comment:

Code: C0NC Corr. Factor: 1

Elem	Ag5280	Al3082	As1890	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0004	1.0042	1.0003	1.0016	1.0000	1.0002	1.0166
SD	1.0004	1.0020	1.0009	1.0001	1.0000	1.0000	1.0006
%RSD	98.63	45.27	277.7	3.978	144.7	5.141	5.409

#1	1.0001	1.0028	1.0005	1.0016	1.0001	1.0002	1.0162
#2	1.0006	1.0057	1.0010	1.0015	1.0000	1.0002	1.0170

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.000	1.0040	1.000	1.0050	1.0010	1.5000
Low	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	1.0003	1.0007	1.0004	1.0153	1.0124	1.0001
SD	1.0001	1.0002	1.0001	1.0003	1.0048	1.0029	1.0000
%RSD	29.85	57.00	19.72	63.30	31.53	23.10	21.31

#1	1.0002	1.0002	1.0008	1.0002	1.0119	1.0103	1.0001
#2	1.0002	1.0004	1.0006	1.0006	1.0187	1.0144	1.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0008	1.0010	1.0027	1.0016	1.0005	1.0232	1.0017
SD	1.0003	1.0002	1.0003	1.0019	1.0003	1.0008	1.0017
%RSD	32.34	22.75	12.71	118.7	65.49	5.385	103.2

#1	1.0006	1.0012	1.0025	1.0003	1.0007	1.0226	1.0005
#2	1.0010	1.0009	1.0030	1.0029	1.0003	1.0237	1.0029

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.000	1.0100
Low	1.0050	1.0050	1.0030	1.0100	1.0100	1.000	1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0004	1.0006	1.0041	1.0053	1.0022	1.1376
SD	1.0001	1.0001	1.0003	1.0004	1.0027	1.0018	1.0050
%RSD	51.26	19.89	49.35	9.294	51.03	83.80	5.660

#1	1.0002	1.0004	1.0008	1.0039	1.0034	1.0009	1.1341
#2	1.0004	1.0003	1.0004	1.0044	1.0072	1.0035	1.1412

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	1.0020	1.0200					1.5000

Units: dBm
Avge: .1289
SDev: .0054
%RSD: 4.226

#1: .1250
#2: .1327

Errors: LC Pass
High: .5000
Low: -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	47046	---	---	---	---	---	---
SDev	49.49748	---	---	---	---	---	---
%RSD	.1052117	---	---	---	---	---	---
#1	47011	---	---	---	---	---	---
#2	47081	---	---	---	---	---	---

Method: ICP-AES Sample Name: CRDI Operator: SD
 Run Time: 10/31/00 10:09:56
 Comment:
 Load: CONC Corr. Factor: 1

Elem	As3780	As5082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0035	0.0954	0.0057	0.0008	0.0052	0.0008	0.1891
Stdev	0.0002	0.0011	0.0014	0.0003	0.0006	0.0000	0.0004
%RSD	6.251	1.135	24.49	0.652	7.456	4.928	0.1914
#1	H.0040	0.0961	0.0047	0.0008	0.0052	L.0007	0.1889
#2	H.0036	0.0946	H.0066	0.0009	0.0052	L.0008	0.1894

Errors	LC High	LC Pass	LC High	LC Pass	LC Pass	LC Low	LC Pass
High	0.0036	0.1200	0.0048	0.1200	0.0060	0.0012	0.2400
Low	0.0024	0.0800	0.0032	0.0800	0.0040	0.0008	0.1600

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0009	0.0023	0.0051	0.0051	0.0495	0.2768	0.0052
Stdev	0.0006	0.0002	0.0002	0.0000	0.0063	0.0016	0.0000
%RSD	67.98	10.25	3.323	0.7842	12.73	6.494	0.3652
#1	0.0009	H.0025	0.0050	0.0051	0.0540	0.2781	0.0052
#2	0.0009	0.0021	0.0052	0.0051	0.0451	0.2755	0.0052

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0012	0.0024	0.0060	0.0060	0.0600	0.3600	0.0060
Low	0.0008	0.0016	0.0040	0.0040	0.0400	0.2400	0.0040

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0037	0.0052	H.0048	0.0108	H.0123	0.084	H.0133
Stdev	0.0002	0.0005	0.0005	0.0006	0.0015	0.003	0.0005
%RSD	5.142	9.414	6.945	6.050	12.34	0.2579	3.801
#1	L.0035	0.0048	H.0050	0.0113	H.0134	0.086	H.0130
#2	L.0038	0.0055	H.0045	0.0104	0.0112	0.082	H.0137

Errors	LC Low	LC Pass	LC High	LC Pass	LC High	LC Pass	LC High
High	0.0060	0.0060	0.0036	0.0120	0.0120	0.284	0.0120
Low	0.0040	0.0040	0.0024	0.0080	0.0080	0.8560	0.0080

Elem	V_2924	Zn2067	Z20371	Z20372	Z196071	Z196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0022	0.0169	0.0008	0.0064	0.0105	0.0129	0.5965
Stdev	0.0001	0.0001	0.0020	0.0015	0.0003	0.0023	0.0111
%RSD	4.556	0.8266	233.0	22.96	1.297	18.21	0.854
#1	0.0022	0.0170	0.0005	0.0075	0.0104	0.0145	0.5887
#2	0.0023	0.0168	0.0022	0.0054	0.0106	0.0112	H.6043

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0024	0.0240					0.0000
Low	0.0016	0.0160					0.4000

Units ppm
 Avge 11.6029
 SDev 1.0060
 %RSD .9973
 #1 1.5987
 #2 11.6071

Errors LC High
 High 1.6000
 Low 1.4000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	46864	--	--	--	--	--	--
SDev	74.74063	--	--	--	--	--	--
%RSD	.1594855	--	--	--	--	--	--
#1	46916	--	--	--	--	--	--
#2	46811	--	--	--	--	--	--

Code: (CAP48) Sample Name: (JA#) Operator: SD
 Run time: 10/31/00 10:15:10
 Comment:
 Code: (CINC) Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	Au2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0036	1.0008	5.014	5.029	4.926	4.905	1.0129
SDev	1.0007	1.0013	1.006	1.012	1.006	1.008	1.0005
%RSD	2.265	171.2	1.127	1.244	1.124	1.696	5.904
#1	1.0035	1.0007	5.010	5.020	4.930	4.899	1.0125
#2	1.0036	1.0017	5.018	5.037	4.922	4.911	1.0132

Errors NOCHECK NOCHECK LC Pass LC Pass LC Pass LC Pass NOCHECK
 High 5.250 5.250 5.250 5.250 5.250 5.250
 Low 4.750 4.750 4.750 4.750 4.750 4.750

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	4.967	5.001	4.990	5.014	1.3956	1.0188	4.927
SDev	1.011	1.008	1.006	1.002	1.0044	1.0000	1.005
%RSD	1.2222	1.548	1.1109	1.0372	1.110	1.0481	1.0969
#1	4.960	4.995	4.986	5.015	1.3924	1.0188	4.925
#2	4.975	5.006	4.994	5.012	1.3987	1.0188	4.930

Errors LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
 High 5.250 5.250 5.250 5.250
 Low 4.750 4.750 4.750 4.750

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0078	.0111	.007	.012	.020	.0013	.006
%RSD	.5635	.2142	.1477	.2341	.3849	.3320	.1246
#1	5.020	4.976	5.024	5.015	5.058	.3981	5.039
#2	5.061	4.991	5.034	5.032	5.086	.4000	5.046

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	5.250	5.250	5.250	5.250	5.250		5.250
Low	4.750	4.750	4.750	4.750	4.750		4.750

Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ODM	ODM	ODM	ODM	ODM	ODM	ODM
Avg	4.994	5.011	5.019	5.035	5.041	5.088	99.85
SDev	.005	.015	.006	.014	.003	.028	.08
%RSD	.0956	.2984	.1267	.2854	.0590	.5465	.0772
#1	4.991	5.000	5.024	5.023	5.039	5.068	99.90
#2	4.997	5.021	5.015	5.045	5.043	5.107	99.79

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.250	5.250					105.0
Low	4.750	4.750					95.00

Elem	K_7664
Units	ODM
Avg	49.99
SDev	.15
%RSD	.2549

#1	50.08
#2	49.90

Errors	LC Pass
High	52.50
Low	47.50

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	45938	--	--	--	--	--	--
SDev	47.51707	--	--	--	--	--	--
%RSD	.1034376	--	--	--	--	--	--
#1	45904	--	--	--	--	--	--
#2	45971	--	--	--	--	--	--

Method: TOAP4HI Sample Name: TOA#2 Operator: SD
 Date Time: 10/31/00 10:20:24
 Comment:
 Code: GUNC Corr. Factor: 1

Elem	Ag3780	Al3082	As1590	6_2496	6a4934	6a5150	Ca3179
Units	ODM	ODM	ODM	ODM	ODM	ODM	ODM
Avg	.0012	.0117	.0250	.0200	.0024	.0042	99.19

%RSD	2.441	1.0145	29.63	14.18	77.89	42.79	1.0904
#1	10012	101.7	1.0278	1.0220	1.0038	1.0055	99.13
#2	1.0017	101.6	1.0187	1.0180	1.0011	1.0030	99.26
Errors High	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Low		105.0					105.0
		95.00					95.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0048	1.0057	1.0265	1.0055	99.57	101.9	1.0128
SDev	1.0016	1.0016	1.0013	1.0018	1.12	1.1	1.0018
%RSD	35.36	50.22	4.775	32.97	1.184	1.1370	13.75
#1	1.0060	1.0063	1.0272	1.0068	99.44	101.8	1.0141
#2	1.0037	1.0041	1.0254	1.0043	99.61	102.0	1.0116
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
Low					105.0	105.0	
					95.00	95.00	
Elem	Mo2020	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0507	1.0131	1.0067	1.0054	1.0398	170.3	1.0002
SDev	1.0123	1.0019	1.0026	1.0050	1.0152	4	1.0011
%RSD	39.98	14.55	39.26	91.88	38.18	1.2199	468.1
#1	1.0594	1.0145	1.0085	1.0089	1.0505	170.0	1.0005
#2	1.0220	1.0118	1.0048	1.0019	1.0290	170.6	1.0010
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
Low						180.0	
						162.0	
Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0066	1.0065	1.0396	1.0101	1.0467	1.0360	1.1046
SDev	1.0016	1.0022	1.0003	1.0038	1.0133	1.0161	1.0628
%RSD	24.21	33.66	1.7749	37.36	28.46	44.77	60.10
#1	1.0078	1.0081	1.0398	1.0074	1.0562	1.0474	1.0602
#2	1.0055	1.0050	1.0395	1.0128	1.0373	1.0246	1.1490
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
Low							
Elem	K_0664						
Units	ppm						
Avg	1.2250						
SDev	1.0053						
%RSD	3.724						
#1	1.2171						
#2	1.2289						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
Avgc	44824	--	--	--	--	--	--
StDev	40.54100	--	--	--	--	--	--
SRSD	.08999994	--	--	--	--	--	--
#1	44852	--	--	--	--	--	--
#2	44795	--	--	--	--	--	--

Method: ICP-AES Sample Name: TJA#3 Operator: SD
Run Time: 10/31/00 10:25:32
Comment:
Ince: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.9872	.0777	.0048	.0026	.0005	.0003	.0785
StDev	.0006	.0300	.0019	.0004	.0001	.0001	.0371
SRSD	.0569	58.60	58.47	13.80	9.387	17.12	47.31
#1	.9868	.0989	.0035	.0029	.0005	.0005	.1047
#2	.9876	.0565	.0061	.0024	.0006	.0003	.0522

Errors LC Pass NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High 1.050
Low .9500

Elem	Ca2265	Ca2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0004	.0010	.0004	.0011	.1078	.0848	.0005
StDev	.0001	.0001	.0001	.0001	.0312	.0336	.0001
SRSD	41.18	5.369	53.89	11.83	28.98	59.58	28.29
#1	.0005	.0010	.0005	.0010	.1299	.1085	.0004
#2	.0003	.0009	.0003	.0012	.0857	.0610	.0006

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
High
Low

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0060	.0001	.0030	.0003	.0079	.2105	.0051
StDev	.0014	.0001	.0007	.0033	.0026	.0811	.0022
SRSD	22.45	103.16	24.06	974.15	57.61	58.56	42.96
#1	.0070	.0003	.0035	.0020	.0097	.2676	.0067
#2	.0051	.0000	.0024	.0027	.0061	.1529	.0036

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

LOW

Elem	V_2924	Zn2062	770371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0007	-1.0004	-1.0003	1.0043	1.0094	1.0068	1.1971
SDev	1.0007	1.0000	1.0025	1.0002	1.0034	1.0027	1.0722
RRSD	50.18	9.607	831.5	4.052	36.40	31.48	36.64
#1	1.0008	-1.0004	1.0015	1.0042	1.0118	1.0083	1.2482
#2	1.0005	-1.0005	-1.0021	1.0044	1.0070	1.0053	1.1460

Errors NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK
 High
 Low

Elem	K_7664
Units	ppm
Avg	1.1911
SDev	1.0030
RRSD	1.578

#1	1.1933
#2	1.1890

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	571.050	--	--	--	--	--	--
Avg	48066	--	--	--	--	--	--
SDev	11.13693	--	--	--	--	--	--
RRSD	1.0251699	--	--	--	--	--	--
#1	48074	--	--	--	--	--	--
#2	48058	--	--	--	--	--	--

Method: TCAP4HT Sample Name: 1CV1 Operator: SU
 Run Time: 10/31/00 10:50:53
 Comment:
 Code: GUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.496	2.509	2.520	2.543	2.519	2.557	2.546
SDev	1.000	1.001	1.002	1.004	1.000	1.003	1.002
#0	1.0101	0.962	1.0872	1.1618	1.0183	1.0294	1.0779
#1	2.496	2.510	2.518	2.540	2.520	2.555	2.545
#2	2.496	2.508	2.521	2.546	2.519	2.559	2.548

Errors IC High NOCHECK IC Pass IC Pass IC Pass IC Pass NOCHECK
 High 2.525 2.625 2.750 2.625 2.625 2.625
 Low 2.475 2.375 2.250 2.375 2.375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	2.540	2.570	2.591	2.547	2.761	2.419	2.555
SDev	.004	.004	.005	.000	.012	.006	.003
%RSD	.1675	.1726	.1305	.0078	.4256	.2338	.1093
#1	2.557	2.567	2.589	2.547	2.755	2.415	2.551
#2	2.545	2.575	2.594	2.547	2.770	2.423	2.554

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	2.582	2.509	2.548	2.545	2.571	27.56	2.550
SDev	.017	.002	.007	.012	.027	.04	.009
%RSD	.6461	.0626	.2889	.4593	1.043	.1330	.3445
#1	2.570	2.508	2.543	2.537	2.552	27.54	2.543
#2	2.594	2.510	2.553	2.553	2.590	27.59	2.556

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zn2037	Zn2203	Zn1960	Zn1960	Na5302
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	2.563	2.546	2.562	2.541	2.572	2.571	51.35
SDev	.002	.005	.004	.009	.020	.030	.01
%RSD	.0756	.1969	.1457	.3611	.7966	1.166	.0281
#1	2.561	2.545	2.559	2.535	2.558	2.550	51.36
#2	2.564	2.550	2.564	2.548	2.587	2.592	51.34

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	oem
Avgc	26.20
SDev	.09
%RSD	.3274

#1	26.26
#2	26.14

Errors	LC Pass
High	26.25
Low	25.75

IntStd	1	2	5	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--

Avge	47028	--	--	--	--	--	--
SDev	7450146	--	--	--	--	--	--
%RSD	10015799	--	--	--	--	--	--
#1	47028	--	--	--	--	--	--
#2	47027	--	--	--	--	--	--

Method: ICAP4H Sample Name: ICV2 Al CA MG FF SI Operator: SP

Run Time: 10/31/00 10:36:07

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10036	48.03	10113	10207	10018	10024	47.83
SDev	10010	1.02	10036	10013	10009	10010	1.01
%RSD	29.89	1.0486	31.64	6.150	33.37	40.92	1.0246

#1	10043	48.04	10134	10216	10024	10030	47.82
#2	10028	48.01	10088	10198	10111	10017	47.84

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10028	10082	10071	10035	48.50	48.17	10889
SDev	10010	10009	10011	10009	1.02	1.01	10011
%RSD	57.04	8.920	15.12	25.75	1.0460	1.0295	1.194

#1	10035	10057	10078	10041	48.49	48.16	10897
#2	10021	10077	10063	10028	48.52	48.18	10882

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10187	10126	10044	10059	10299	83.36	10008
SDev	10068	10004	10018	10015	10089	1.00	10005
%RSD	36.33	2.842	40.98	25.39	29.60	1.0058	59.81

#1	10236	10129	10057	10048	10362	83.35	10005
#2	10139	10124	10051	10070	10237	83.36	10011

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_1924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10048	10079	10210	10042	10354	10269	13371
SDev	10009	10006	10000	10027	10071	10097	10453
%RSD	20.103	7.706	1.0080	63.68	20.100	35.96	13.44

#1	0054	0053	1.0210	- 0023	1.0404	1.0335	1.5050
#2	1.0041	1.0075	1.0210	-1.0061	1.0304	1.0201	1.3691
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
LOW							

Elem K_7664
 Units ppm
 Avge 1.2504
 SDev 1.0011
 KRSD 1.4233

#1 1.2511
 #2 1.2496

Errors High	NOCHECK
LOW	

IntSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Jan	3711030	--	--	--	--	--	--
Avge	47008	--	--	--	--	--	--
SDev	70.2853	--	--	--	--	--	--
KRSD	11495162	--	--	--	--	--	--
#1	47037	--	--	--	--	--	--
#2	46959	--	--	--	--	--	--

Method: ICP-AES Sample Name: 10VS BGL Operator: SD
 Run Time: 10/31/00 10:41:22
 Comment:
 Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4847	1.0331	1.0024	1.0055	1.0003	1.0000	1.0349
SDev	1.0004	1.0215	1.0002	1.0001	1.0002	1.0002	1.0230
KRSD	1.0921	64.95	61.760	2.050	52.62	542.1	65.83
#1	1.4844	1.0484	1.0025	1.0054	1.0004	1.0007	1.0311
#2	1.4850	1.0179	1.0025	1.0055	1.0002	1.0001	1.0187

Errors High	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
LOW	14750						

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0002	1.0003	1.0004	1.0007	1.0626	1.0413	1.0003
SDev	1.0002	1.0003	1.0000	1.0002	1.0298	1.0221	1.0007
KRSD	106.10	94.88	131.54	37.51	47.56	53.41	59.12
#1	1.0003	1.0003	1.0004	1.0009	1.0857	1.0569	1.0003

Errors High Low NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

Table with 8 columns: Elem, Units, Avge, SDev, KRSD, #1, #2. Rows include Mo2020, Ni2316, Pb2203, Sb2068, Se1960, Si2881, Tl1908.

Errors High Low NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

Table with 8 columns: Elem, Units, Avge, SDev, KRSD, #1, #2. Rows include V_2924, Zn2062, Zr20371, Zr20372, Y196071, Y196072, Na3302.

Errors High Low NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK NOCHECK

Table with 2 columns: Elem, Units, Avge, SDev, KRSD, #1, #2. Row includes K_7664.

Errors High Low NOCHECK

Table with 8 columns: IntStd, Mode, Elem, Avge, SDev, KRSD, #1, #2. Rows include Counts, NOTUSED, Y, 371.030, 48767, 86.12610, 1.1766268, 48701, 48823.

Method: ICP-AES Sample Name: ICSA1

Operator: SP

Run Time: 10/31/00 10:46:57

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.015	473.2	0.023	-0.0452	-0.0039	-0.0008	410.9
SDev	0.0001	1.5	0.0021	0.0004	0.0001	0.0000	0.1
%RSD	5.410	0.557	92.99	0.9772	1.526	2.782	0.245

#1	0.014	473.0	0.0038	-0.0449	-0.0039	-0.0008	411.0
#2	0.015	473.4	0.008	-0.0455	-0.0038	-0.0008	410.8

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		600.0					600.0
Low		400.0					400.0

Elem	Cd2265	Co2286	Cr 2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.044	0.010	0.026	-0.0016	177.6	486.5	0.088
SDev	0.0001	0.0000	0.0003	0.0003	0.1	0.1	0.0001
%RSD	2.155	0.818	11.23	20.73	0.300	0.279	0.6743

#1	0.043	0.011	0.028	-0.0019	177.6	486.4	0.089
#2	0.045	0.010	0.024	-0.0014	177.7	486.6	0.088

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					740.0	600.0	
Low					160.0	400.0	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.011	0.017	-0.0016	-0.0058	0.0085	0.0579	-0.0007
SDev	0.0007	0.0004	0.0014	0.0035	0.0010	0.0007	0.0031
%RSD	16.42	23.42	84.25	60.42	11.86	1.222	474.6

#1	0.010	0.020	-0.0026	-0.0085	0.0092	0.0574	0.0015
#2	0.015	0.014	-0.0007	-0.0033	0.0078	0.0584	-0.0028

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0007	0.0041	0.1887	-0.0971	0.396	-0.0074	-0.1337
SDev	0.0000	0.0000	0.0024	0.0032	0.0017	0.0023	0.0044
%RSD	5.828	0.4755	1.261	3.329	4.191	31.70	3.257

#1	-0.0006	0.0047	0.1904	-0.0994	0.384	-0.0057	-0.1307
#2	-0.0007	0.0041	0.1870	-0.0948	0.408	-0.0090	-0.1368

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Units ppm
 Avge 11784
 SDev 10304
 KRSD 17.05

#1 11569
 #2 12000

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wav Len	371.030	---	---	---	---	---	---
Avge	45332	---	---	---	---	---	---
SDev	9.159245	---	---	---	---	---	---
KRSD	.0202049	---	---	---	---	---	---
#1	45325	---	---	---	---	---	---
#2	45338	---	---	---	---	---	---

Method: CAP481 Sample Name: TCSAB1 Operator: SD

Run Time: 10/31/00 10:51:52

Command:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Re3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0542	492.5	.0503	.5033	.0478	.0487	427.4
SDev	.0007	.1	.0041	.0007	.0000	.0001	1.0
KRSD	.5207	.0153	8.096	.0446	.0502	.1311	.2386
#1	.0543	492.6	.0532	.5035	.0478	.0488	428.1
#2	.0541	492.4	.0475	.5032	.0478	.0487	426.7

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	600.1	.0600	.6000	.0600	.0600	600.1
Low	.0400	400.0	.0400	.4400	.0400	.0400	400.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0513	.0479	.0516	.0530	185.0	506.7	.0577
SDev	.0001	.0008	.0005	.0004	.5	.9	.0001
KRSD	.1263	1.632	.9096	.8393	.1604	.1865	.1603
#1	.0514	.0485	.0520	.0533	185.2	507.4	.0577
#2	.0513	.0473	.0513	.0527	184.8	506.1	.0576

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	240.1	600.1	.0600
Low	.0400	.0400	.0400	.0400	160.0	400.0	.0400

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0001	.0002	.0004	.0017	.0018	.0035	.0063
%RSD	.1278	.3291	.8287	3.560	3.234	.5867	14.04
#1	.0477	.0473	.0464	.0473	.0556	.5971	.0495
#2	.0476	.0475	.0469	.0498	.0582	.5922	.0405
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400
Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0479	.0511	.2482	-.0544	.0867	.0417	13.62
SDev	.0002	.0008	.0039	.0013	.0006	.0031	.00
%RSD	.4765	1.506	1.588	2.419	.7267	7.374	.0235
#1	.0481	.0517	.2454	-.0555	.0871	.0395	13.62
#2	.0477	.0506	.2509	-.0555	.0862	.0439	13.62
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					
Elem	K_7664						
Units	ppm						
Avg	9.352						
SDev	.002						
%RSD	.0203						
#1	9.350						
#2	9.350						
Errors	NOCHECK						
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avg	43223	--	--	--	--	--	--
SDev	136.6125	--	--	--	--	--	--
%RSD	.3160676	--	--	--	--	--	--
#1	43178	--	--	--	--	--	--
#2	43319	--	--	--	--	--	--

Code: ICAP4H1 Sample Name: C051

Operator: SD

Run Time: 10/31/00 10:57:00

Comment:

Code: CONC Conc. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	0.5361	.0017	.0023	.0001	0.0002	0.5991

%RSD	66.87	49.08	10.19	30.88	53.33	19.30	49.30
#1	.0005	H.7491	.0015	.0028	.0001	-.0002	H.8080
#2	.0002	H.5631	.0016	.0018	.0003	-.0003	.3903
Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	.0030	-.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2765	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0000	-.0005	.0005	H.2540	H.5713	-.0001
SDev	.0001	.0002	.0004	.0002	.1209	.2767	.0000
%RSD	45.91	2560.	77.94	45.75	47.60	48.43	29.75
#1	-.0001	.0001	-.0002	.0003	H.3395	H.7669	-.0001
#2	-.0002	-.0002	-.0008	.0006	H.1685	.3756	-.0001
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0005	.0020	-.0004	.0044	.0413	.0020
SDev	.0006	.0005	.0000	.0044	.0010	.0006	.0002
%RSD	76.06	95.39	.5434	1062.	22.64	1.566	11.62
#1	.0013	-.0002	.0020	-.0035	.0051	.0408	.0021
#2	.0004	-.0009	.0023	.0027	.0037	.0417	.0018
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	.1000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1000	-.0100
Elem	V_2924	Zn2067	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0000	.0007	-.0010	.0033	.0056	.0035	.0173
SDev	.0007	.0002	.0037	.0019	.0041	.0005	.2516
%RSD	56750.	25.55	382.7	57.12	72.99	14.93	1458.
#1	.0005	.0006	.0016	.0019	.0084	.0032	.1952
#2	-.0005	.0009	-.0036	.0046	.0027	.0039	-.1607
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_2664						
Units	ppm						
Avg	.1763						
SDev	.0494						
%RSD	27.94						
#1	.2118						
#2	.1419						

Errors: LC Pass
High: 1.5000
Low: -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avgc	47740	---	---	---	---	---	---
SDev	181.6574	---	---	---	---	---	---
%RSD	3805112	---	---	---	---	---	---
#1	47617	---	---	---	---	---	---
#2	47869	---	---	---	---	---	---

Method: ICP4HI Sample Name: CGB1 Operator: SD
 Run Time: 10/31/00 11:02:24
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Ba3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0005	1.0450	1.0034	1.0015	1.0000	-1.0003	1.0439
SDev	1.0004	1.0150	1.0005	1.0001	1.0001	1.0000	1.0175
%RSD	67.32	55.29	15.14	6.304	154.2	9795	59.89

#1	1.0008	1.0556	1.0037	1.0015	1.0001	-1.0003	1.0562
#2	1.0003	1.0344	1.0030	1.0014	-1.0000	-1.0003	1.0315

Errors: LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High: 1.0030 1.1000 1.0040 1.1000 1.0050 1.0010 1.5000
 Low: -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0003	1.0002	-1.0004	1.0008	1.0255	1.0457	-1.0002
SDev	1.0000	1.0002	1.0002	1.0000	1.0157	1.0187	1.0001
%RSD	15.07	77.13	44.53	5.051	62.02	40.90	55.96

#1	-1.0002	1.0003	-1.0003	1.0008	1.0363	1.0589	-1.0001
#2	-1.0003	1.0001	-1.0006	1.0008	1.0142	1.0325	-1.0002

Errors: LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High: 1.0010 1.0020 1.0050 1.0050 1.0500 1.5000 1.0050
 Low: -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0008	-1.0006	1.0022	-1.0036	1.0025	1.0272	1.0008
SDev	1.0007	1.0004	1.0005	1.0012	1.0015	1.0016	1.0015
%RSD	95.66	61.67	20.59	55.29	61.77	5.979	196.1

#1	1.0013	-1.0003	1.0019	-1.0027	1.0014	1.0284	-1.0003
#2	1.0003	-1.0008	1.0025	-1.0044	1.0036	1.0261	1.0018

Errors: LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

LOW	- .0050	- .0050	- .0030	- .0100	- .0100	- .0000	- .0100
ELEM	V_2974	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	.0010	-.0019	.0040	.0051	.0009	.0474
SDev	.0001	.0001	.0015	.0001	.0010	.0018	.0629
%RSD	321.9	5.238	80.86	1.836	20.67	199.3	132.7
#1	.0001	.0011	-.0029	.0040	.0043	-.0004	.0919
#2	-.0000	.0010	-.0008	.0039	.0058	.0022	.0029
Errors	IC Pass	IC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	IC Pass
High	.0020	.0200					.5000
LOW	-.0020	-.0200					-.5000
ELEM	K_7664						
Units	ppm						
Avg	.1511						
SDev	.0027						
%RSD	1.746						
#1	.1556						
#2	.1498						
Errors	IC Pass						
High	.5000						
LOW	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
ELEM	Y	--	--	--	--	--	--
Waven	571.050	--	--	--	--	--	--
Avg	47857	--	--	--	--	--	--
SDev	97.26309	--	--	--	--	--	--
%RSD	.2033228	--	--	--	--	--	--
#1	47768	--	--	--	--	--	--
#2	47906	--	--	--	--	--	--

Method: ICP4HT Sample Name: A100546-9-50 882ICP1 Operator: SD
 Run Time: 10/31/00 11:07:32
 Comment:
 Mode: CONC Corr. Factor: 1

ELEM	Ag3780	Al3082	As1890	S_2496	Ba4954	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0006	.0016	.0007	.0001	-.0003	.0339
SDev	.0005	.0075	.0002	.0002	.0000	.0000	.0066
%RSD	144.4	1333.	10.55	52.10	56.43	61.935	19.33
#1	-.0000	-.0047	.0015	.0005	.0001	-.0003	.0295
#2	.0003	.0059	.0017	.0008	.0001	-.0003	.0385
Errors	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
LOW	-.0050	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	-1.0002	-1.0000	-1.0000	1.0017	1.0018	1.0106	-1.0001
SDev	1.0000	1.0002	1.0000	1.0001	1.0066	1.0056	1.0001
%RSD	4.698	1030.	1567.	6.211	365.7	53.04	45.75

#1	-1.0002	-1.0002	-1.0000	1.0015	-1.0029	1.0066	-1.0002
#2	-1.0002	1.0001	1.0000	1.0017	1.0065	1.0146	-1.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	1.0001	-1.0003	1.0010	1.0015	-1.0001	1.0175	1.0054
SDev	1.0005	1.0010	1.0004	1.0003	1.0009	1.0011	1.0005
%RSD	414.3	288.3	39.02	20.29	1197.	6.397	8.929

#1	1.0004	-1.0010	1.0013	1.0011	1.0006	1.0183	1.0050
#2	-1.0002	1.0003	1.0007	1.0015	-1.0007	1.0167	1.0057

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.1000	-1.0100

Elem	V_2974	Zn2062	Zn2203/1	Zn2203/2	Zn1960/1	Zn1960/2	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	1.0002	1.0018	-1.0002	1.0014	1.0062	-1.0020	1.3230
SDev	1.0001	1.0001	1.0001	1.0007	1.0046	1.0036	1.0464
%RSD	45.74	2.557	57.97	48.46	144.0	179.9	14.37

#1	1.0002	1.0018	-1.0003	1.0019	-1.0001	1.0005	1.2902
#2	1.0003	1.0018	-1.0001	1.0009	1.0064	-1.0046	1.3558

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	oem
Avgc	1.2227
SDev	1.0221
%RSD	9.943

#1	1.2071
#2	1.2384

Errors	LC Pass
High	50.00
Low	-1.5000

UnitStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--

Avg	48857	---	---	---	---	---	---
SDev	53.16497	---	---	---	---	---	---
%RSD	1.067889%	---	---	---	---	---	---
#1	48875	---	---	---	---	---	---
#2	48878	---	---	---	---	---	---

Method: ICP4Hi Sample Name: A100546-9-LJ 3005 Operator: S
 Run Time: 10/31/00 11:12:51
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0428	1.970	1.0983	1.9324	1.0984	1.0098	18.71
SDev	1.0007	1.009	1.0040	1.0028	1.0001	1.0000	1.02
%RSD	1.4551	1.4763	4.071	5.012	1.1539	1.2178	1.133
#1	1.0429	1.963	1.0955	1.9304	1.0985	1.0098	18.73
#2	1.0426	1.976	1.1012	1.9343	1.0985	1.0098	18.70

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2263	Co2286	Cr2677	Cu3747	Fe7714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0095	1.0972	1.0389	1.0402	1.9382	18.74	1.0396
SDev	1.0001	1.0003	1.0004	1.0003	1.0050	1.02	1.0000
%RSD	1.350	1.2527	1.9765	1.6863	1.527	1.065	1.0689
#1	1.0096	1.0974	1.0392	1.0404	1.9417	18.75	1.0397
#2	1.0094	1.0971	1.0387	1.0400	1.9347	18.73	1.0396

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0908	1.0944	1.0976	1.0013	1.0914	1.0860	1.0973
SDev	1.0025	1.0008	1.0003	1.0007	1.0044	1.0014	1.0061
%RSD	2.1795	1.8645	1.245	51.06	4.853	1.1593	6.261
#1	1.0890	1.0949	1.0978	1.0008	1.0882	1.0869	1.0916
#2	1.0926	1.0938	1.0974	1.0018	1.0945	1.0850	1.0930

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr20371	Zr20372	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0590	1.051	1.0948	1.0987	1.0950	1.0895	21.17
SDev	1.0001	1.0001	1.0003	1.0003	1.0004	1.0068	1.02
%RSD	1.763	1.160	1.3624	1.5065	1.5868	7.637	1.0895

#1	.0391	.1050	.0950	.0989	.0952	.0844	21.18
#2	.0390	.1057	.0945	.0985	.0947	.0941	21.15
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem K_7664
 Units ppm
 Avge 19.22
 SDev .02
 %RSD .1049

#1	19.21
#2	19.25

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Len	571.030	---	---	---	---	---	---
StDev	481.28	---	---	---	---	---	---
SDev	131.1685	---	---	---	---	---	---
%RSD	.2725397	---	---	---	---	---	---

#1	48035	---	---	---	---	---	---
#2	48221	---	---	---	---	---	---

Method: [CAP4H] Sample Name: A100546-9-12 Operator: SD
 Run Time: 10/31/00 11:18:04
 Comment:
 Code: CDNC Corr. Factor: 1

Elem	Ag5280	Al5082	As1890	R_2496	Ba4934	Ba3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0436	1.999	.1016	.9350	.0990	.0098	18.96
SDev	.0000	.0007	.0014	.0000	.0000	.0000	.01
%RSD	.0507	.0885	1.331	.0024	.0301	.2870	.0318

#1	.0436	1.998	.1007	.9349	.0989	.0098	18.96
#2	.0435	2.001	.1026	.9350	.0990	.0098	18.95

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0096	.0981	.0394	.0407	.9617	18.98	.0399
SDev	.0001	.0001	.0005	.0001	.0036	.101	.0001
%RSD	1.129	.0748	.6667	1516	.5721	.0453	.1333

#1	.0095	.0981	.0395	.0408	.9597	18.97	.0399
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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0951	.0942	.0995	.0016	.0945	.0881	.0931
SDev	.0010	.0004	.0008	.0040	.0028	.0008	.0003
%RSD	1.075	.3829	.7971	249.0	3.002	.9030	.3257

#1	.0943	.0944	.1001	.0044	.0966	.0876	.0933
#2	.0958	.0939	.0990	-1.0012	.0925	.0887	.0929

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100

Elem	V_2974	Zn2067	Z20371	Z20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0395	.1016	.0962	.1009	.0971	.0929	21.37
SDev	.0001	.0003	.0024	.0000	.0020	.0013	.03
%RSD	.1912	.2994	2.526	.0034	6.156	1.364	.1562

#1	.0396	.1014	.0980	.1009	.1014	.0938	21.34
#2	.0395	.1019	.0945	.1009	.0929	.0920	21.39

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7604
Units	ppm
Avg	19.32
SDev	.01
%RSD	.0399

#1	19.32
#2	19.33

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wt/Fien	371.030	---	---	---	---	---	---
Area	48089	---	---	---	---	---	---
SDev	53.90527	---	---	---	---	---	---
%RSD	.0705044	---	---	---	---	---	---
#1	48066	---	---	---	---	---	---
#2	48113	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100546-9 Operator: SP
 Run Time: 10/31/00 11:23:15
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.1428	0.167	1.1894	1.1580	1.0003	19.23
SDev	1.0007	1.0029	1.0013	1.0008	1.0001	1.0000	1.02
RRSD	85.97	7.046	7.722	1.4003	1.0414	6.259	1.258
#1	1.0004	1.1448	0.176	1.1895	1.1580	1.0003	19.25
#2	1.0001	1.1407	0.158	1.1888	1.1581	1.0003	19.22
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0003	1.0052	1.0019	1.0032	4.837	1.1590
SDev	1.0001	1.0003	1.0001	1.0004	1.0058	1.027	1.0001
RRSD	44.36	113.4	2.444	19.77	183.0	4548	1.0843
#1	1.0007	1.0005	1.0053	1.0021	1.0077	4.835	1.1591
#2	1.0003	1.0001	1.0051	1.0016	1.0009	4.821	1.1589
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mg2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0077	1.0005	1.0015	1.0002	1.0073	39.43	1.0049
SDev	1.0016	1.0001	1.0002	1.0025	1.0035	1.01	1.0007
RRSD	21.34	20.54	13.12	1194.	47.71	1.0135	15.08
#1	1.0089	1.0006	1.0014	1.0020	1.0098	39.43	1.0044
#2	1.0065	1.0005	1.0017	1.0016	1.0049	39.43	1.0055
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr20371	Zr20372	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0148	1.0066	1.0035	1.0037	1.0060	1.0077	64.68
SDev	1.0000	1.0002	1.0013	1.0003	1.0037	1.0034	1.02
RRSD	1.633	5.133	37.53	9.313	61.95	44.07	1.0249
#1	1.0148	1.0068	1.0044	1.0040	1.0087	1.0101	64.69
#2	1.0148	1.0065	1.0025	1.0035	1.0034	1.0053	64.67
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Units DDM
 Avge 24.15
 SDev .103
 %RSD .1300

#1 24.17
 #2 24.13

Errors LC Pass
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Node	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47746	--	--	--	--	--	--
SDev	73.00877	--	--	--	--	--	--
%RSD	.1529104	--	--	--	--	--	--
#1	47694	--	--	--	--	--	--
#2	47795	--	--	--	--	--	--

Code: ICAP4HI Sample Name: A100546-9-81 Operator: SD
 Run time: 10/31/00 11:28:57
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	S_2496	Sa4934	Se3130	Ca3179
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avge	.0425	2.012	1.171	1.128	.2544	.0098	37.49
SDev	.0006	.006	.0017	.001	.0001	.0000	.109
%RSD	1.376	.5059	1.464	1.0504	1.0252	.2356	.2315

#1 .0424 2.006 1.183 1.128 .2544 .0098 37.42
 #2 .0432 2.017 1.159 1.129 .2543 .0098 37.55

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avge	.0092	.0975	.0446	.0413	.9655	23.68	.1958
SDev	.0002	.0001	.0001	.0002	.0042	.06	.0003
%RSD	1.927	.1454	.2310	.4664	.4301	.2444	.1382

#1 .0091 .0974 .0445 .0411 .9626 23.64 .1956
 #2 .0093 .0976 .0447 .0414 .9685 23.72 .1959

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM

SDev	.0039	.0008	.0016	.0015	.0047	.02	.0004
%RSD	3.978	.5888	1.675	167.4	4.829	.0580	.4677
#1	.0961	.0930	.0970	.0002	.0934	39.33	.0956
#2	.1016	.0938	.0994	-.0019	.1000	39.36	.0950

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.0000	-.0100

Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0539	.0980	.0979	.0981	.1005	.0945	85.11
SDev	.0003	.0005	.0008	.0021	.0021	.0059	.23
%RSD	.5116	.5555	.7917	2.117	2.132	6.280	.2720

#1	.0558	.0976	.0973	.0966	.0990	.0903	84.94
#2	.0541	.0984	.0984	.0995	.1021	.0987	85.27

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	43.21
SDev	.04
%RSD	.0811

#1	43.23
#2	43.18

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Film	Y	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
Avg	47655	--	--	--	--	--	--
SDev	25.74055	--	--	--	--	--	--
%RSD	.0540394	--	--	--	--	--	--
#1	47651	--	--	--	--	--	--
#2	47614	--	--	--	--	--	--

Method: CAP4HT Sample Name: A100546-9-82 Operator: SD

Run Time: 10/31/00 11:33:45

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	6_2496	6a4954	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0451	2.015	1.167	1.145	.2594	.0098	58.07

%RSD	.6968	.6690	3.401	.3266	.1163	.2479	.1197
#1	.0453	2.016	.1195	1.141	.2596	.0098	38.04
#2	.0479	2.014	.1139	1.146	.2592	.0098	38.11
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0094	.0976	.0449	.0417	.9438	23.84	.2003
SDev	.0000	.0002	.0001	.0002	.0004	.01	.0001
%RSD	.4552	.2507	.3228	.3965	.0416	.0476	.0244
#1	.0094	.0977	.0450	.0418	.9441	23.83	.2003
#2	.0095	.0974	.0448	.0416	.9436	23.85	.2003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.1017	.0945	.0980	-.0015	.1015	40.57	.0978
SDev	.0027	.0001	.0006	.0029	.0004	.00	.0047
%RSD	2.615	.1050	.6248	189.7	.4196	.0025	4.795
#1	.0993	.0944	.0984	.0005	.1018	40.57	.0945
#2	.1031	.0945	.0976	-.0036	.1017	40.56	.1011
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1000	-.0100
Elem	V_2924	Zn2062	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0547	.1058	.0961	.0987	.1035	.1003	87.13
SDev	.0001	.0004	.0003	.0011	.0003	.0008	.16
%RSD	.1445	.3632	.2988	1.075	.2451	.7626	.1871
#1	.0547	.1061	.0959	.0994	.1032	.1008	87.24
#2	.0546	.1055	.0963	.0979	.1035	.0998	87.01
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	45.94						
SDev	.108						
%RSD	.1856						
#1	44.00						
#2	45.88						

Errors LC Pass
High 50.00
Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
WaveLen	571.050	---	---	---	---	---	---
Avgc	47968	---	---	---	---	---	---
SDev	112.1123	---	---	---	---	---	---
%RSD	2337214	---	---	---	---	---	---
#1	47889	---	---	---	---	---	---
#2	48048	---	---	---	---	---	---

Method: ICP4HI Sample Name: A100546-10 Operator: SD
 Run Time: 10/31/00 11:39:00
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Bc3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0003	1.0193	1.0011	1.3077	1.3838	1.0003	23.43
SDev	1.0004	1.0024	1.0004	1.0010	1.0007	1.0000	1.04
%RSD	117.0	12.50	55.05	13416	1901	61.238	11900
#1	1.0001	1.0176	1.0014	1.3069	1.3843	1.0003	23.40
#2	1.0006	1.0210	1.0008	1.3084	1.3833	1.0003	23.46

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0030 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0002	1.0004	1.0090	1.0022	1.0038	1.9272	1.0005
SDev	1.0001	1.0001	1.0003	1.0002	1.0064	1.0052	1.0000
%RSD	27.40	27.71	5.315	7.225	165.5	15589	11017
#1	1.0002	1.0003	1.0088	1.0021	1.0007	1.9309	1.0005
#2	1.0002	1.0005	1.0092	1.0023	1.0084	1.9235	1.0005

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0103	1.0006	1.0018	1.0005	1.0053	21.22	1.0019
SDev	1.0005	1.0002	1.0005	1.0020	1.0024	1.00	1.0002
%RSD	5.005	52.175	27.21	567.2	45.56	1.0210	12.52
#1	1.0106	1.0005	1.0014	1.0009	1.0069	21.22	1.0017
#2	1.0099	1.0008	1.0021	1.0019	1.0036	21.23	1.0021

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0156	1.0307	-1.0003	1.0025	1.0085	1.0033	81.58
SDev	1.0004	1.0002	1.0007	1.0004	1.0041	1.0015	1.13
%RSD	2.566	1.5533	257.2	14.69	48.09	46.17	1.610

#1	1.0153	1.0306	-1.0008	1.0023	1.0114	1.0044	81.29
#2	1.0159	1.0309	1.0002	1.0028	1.0056	1.0022	81.48

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	21.06
SDev	1.02
%RSD	1.080

#1	21.07
#2	21.04

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Waven	371.050	---	---	---	---	---	---
Avg	48160	---	---	---	---	---	---
SDev	30.93597	---	---	---	---	---	---
%RSD	1.0642355	---	---	---	---	---	---
#1	48187	---	---	---	---	---	---
#2	48138	---	---	---	---	---	---

Method: ICP4HL Sample Name: A100546-11 Operator: SU
 Run Time: 10/31/00 11:44:14
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4954	Ba5130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0003	1.0053	1.0118	1.1945	1.1469	-1.0003	9.216
SDev	1.0007	1.0055	1.0026	1.0004	1.0002	1.0000	1.014
%RSD	218.8	169.0	21.93	1.917	1.372	7.290	1.494
#1	-1.0008	-1.0006	1.0100	1.1942	1.1470	-1.0003	9.206
#2	1.0002	1.0072	1.0136	1.1947	1.1467	-1.0003	9.226

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avg	-0.0004	-0.0003	0.0053	0.0008	-0.0217	8.726	0.0030
SDev	0.0001	0.0003	0.0002	0.0004	0.0093	0.023	0.0001
%RSD	16.55	95.06	2.985	53.60	42.70	0.2643	2.785
#1	-0.0005	-0.0005	0.0052	0.0005	-0.0283	8.710	0.0029
#2	-0.0004	-0.0001	0.0054	0.0011	-0.0151	8.742	0.0030

Errors	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	oem	oem	oem	oem	oem	oem	oem
Avg	0.0071	0.0003	0.0011	-0.0004	0.0022	40.31	0.0004
SDev	0.0005	0.0001	0.0006	0.0030	0.0012	0.05	0.0032
%RSD	6.692	22.35	50.57	788.2	55.31	0.1180	746.8
#1	0.0074	0.0003	0.0007	-0.0025	0.0031	40.28	-0.0018
#2	0.0067	0.0002	0.0015	0.0018	0.0014	40.34	0.0027

Errors	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.000	-0.0100

Elem	V_2924	Zn2067	Zn270371	Zn220372	Zn196071	Zn196072	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avg	0.0264	0.0058	0.0000	0.0014	0.0060	0.0001	81.17
SDev	0.0003	0.0001	0.0003	0.0010	0.0039	0.0001	0.14
%RSD	0.9688	2.451	2725.	71.72	65.66	110.0	0.1692
#1	0.0262	0.0059	0.0002	0.0007	0.0087	0.000	81.07
#2	0.0266	0.0057	-0.0002	0.0021	0.0032	0.0001	81.26

Errors	IC Pass	IC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	IC Pass
High	5.000	5.000					100.0
Low	-0.0020	-0.0200					-0.5000

Elem	K_7664
Units	oem
Avg	19.34
SDev	0.04
%RSD	0.1981
#1	19.42
#2	19.36

Errors	IC Pass
High	50.00
Low	-0.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--

Avg	48324	---	---	---	---	---	---
SDev	19.79899	---	---	---	---	---	---
%RSD	.0409717	---	---	---	---	---	---
#1	48338	---	---	---	---	---	---
#2	48310	---	---	---	---	---	---

Method: ICAP4Hi Sample Name: COB1 Operator: Si
 Run Time: 10/31/00 11:49:29
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0008	-.0018	.0005	.0024	.0003	-.0003	.0024
SDev	.0001	.0003	.0003	.0001	.0001	.0000	.0000
%RSD	13.70	14.50	95.97	2.975	53.73	8.629	254.8
#1	.0009	-.0020	.0009	.0025	.0004	-.0003	.0006
#2	.0007	-.0016	.0002	.0024	.0002	-.0003	-.0019

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2263	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0001	.0000	.0003	.0014	.0066	-.0002
SDev	.0000	.0000	.0001	.0001	.0016	.0037	.0000
%RSD	46.45	53.73	221.9	17.73	116.1	56.77	.2067
#1	-.0001	.0001	.0001	.0003	.0026	.0093	-.0002
#2	-.0001	.0000	-.0000	.0004	.0003	.0040	-.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0003	-.0006	.0018	-.0027	.0027	.0784	.0046
SDev	.0004	.0005	.0007	.0029	.0008	.0256	.0029
%RSD	142.7	74.01	40.10	106.1	50.33	52.63	63.50
#1	-.0006	-.0010	.0013	-.0046	.0033	.0965	.0025
#2	.0000	-.0003	.0024	-.0007	.0021	.0603	.0067

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr20371	Zr20372	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0012	.0002	.0024	.0076	-.0001	.4743
SDev	.0001	.0001	.0033	.0006	.0004	.0010	.0065
%RSD	26.65	7.482	2322.1	26.41	5.720	1702.1	1.318

#1	.0003	.0015	-.0023	.0029	.0079	.0007	.4699
#2	.0004	.0011	.0026	.0020	.0075	-.0008	.4787
Errors High	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
Errors Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge .2205
 SDev .0384
 %RSD 17.45

#1 .1951
 #2 .2474

Errors High	LC Pass
Errors Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Len	371.050	--	--	--	--	--	--
Avge	48094	--	--	--	--	--	--
SDev	132.1572	--	--	--	--	--	--
%RSD	.2747921	--	--	--	--	--	--

#1 48187
 #2 48000

Method: ICP481 Sample Name: A100655-10-50 887IC1 Operator: SD
 Run Time: 10/31/00 11:54:45
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0042	-.0005	.0024	-.0001	-.0003	.0038
SDev	.0000	.0008	.0004	.0005	.0000	.0000	.0004
%RSD	120.5	17.79	88.37	22.02	14.42	3.584	9.387

#1 -.0000
 #2 -.0000

Errors High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
Errors Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0005	-.0002	-.0005	.0009	-.0020	-.0036	-.0001
SDev	.0000	.0001	.0001	.0001	.0008	-.0005	.0000
%RSD	17.61	34.92	50.38	9.582	11.16	7.843	19.33

#1 -.0005
 #2 -.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	- .0010	- .0020	- .0050	- .0050	- .0500	- .5000	- .0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1906
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	- .0001	- .0002	.0015	.0006	- .0002	.0477	.0023
SDev	.0005	.0001	.0003	.0017	.0017	.0043	.0005
%RSD	476.3	51.06	19.49	266.0	1000.0	8.922	20.06
#1	- .0005	- .0003	.0014	- .0006	- .0014	.0507	.0020
#2	.0005	- .0002	.0011	.0018	.0010	.0447	.0027

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	- .0050	- .0050	- .0030	- .0100	- .0100	- 1.000	- .0100
Elem	V_2974	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	- .0002	.0163	- .0007	.0020	.0029	- .0020	.1007
SDev	.0000	.0006	.0004	.0002	.0006	.0023	.0224
%RSD	31.74	3.348	49.36	9.355	21.37	111.8	22.26
#1	- .0002	.0160	- .0005	.0021	.0025	- .0036	.0849
#2	- .0001	.0167	- .0010	.0019	.0034	- .0004	.1166

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	- .0020	- .0200					- .5000
Elem	K_7664						
Units	cpm						
Avgc	.2155						
SDev	.0091						
%RSD	4.244						
#1	.2090						
#2	.2219						

Errors	LC Pass						
High	50.00						
Low	- .5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Chan	371.050	--	--	--	--	--	--
Gain	49071	--	--	--	--	--	--
SDev	73.99762	--	--	--	--	--	--
%RSD	150.7974	--	--	--	--	--	--
#1	49125	--	--	--	--	--	--
#2	49019	--	--	--	--	--	--

Method: ICP-AES Sample Name: CCR1 Operator: SP
 Run Time: 10/31/00 12:00:00
 Comment:
 Code: C0NC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0069	1.0011	1.0002	1.0000	1.0003	1.0153
SDev	1.0006	1.0001	1.0012	1.0005	1.0001	1.0000	1.0000
%RSD	750.8	11.72	103.1	223.2	129.5	1.269	1.2409
#1	1.0003	1.0069	1.0003	1.0001	1.0000	1.0003	1.0154
#2	1.0005	1.0070	1.0020	1.0006	1.0001	1.0003	1.0153
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Low	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	1.0001	1.0007	1.0002	1.0074	1.0108	1.0002
SDev	1.0001	1.0004	1.0003	1.0001	1.0088	1.0020	1.0001
%RSD	64.58	535.7	47.23	79.65	119.6	18.56	38.74
#1	1.0001	1.0002	1.0005	1.0003	1.0011	1.0095	1.0002
#2	1.0003	1.0004	1.0009	1.0001	1.0136	1.0122	1.0003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0015	1.0001	1.0021	1.0021	1.0000	1.0199	1.0029
SDev	1.0000	1.0001	1.0003	1.0009	1.0002	1.0028	1.0010
%RSD	5.115	69.79	16.18	44.38	7333.	14.21	53.63
#1	1.0014	1.0001	1.0018	1.0014	1.0002	1.0219	1.0036
#2	1.0015	1.0002	1.0023	1.0028	1.0002	1.0179	1.0022
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.1000	1.0100
Low	1.0050	1.0050	1.0030	1.0100	1.0100	1.1000	1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0004	1.0009	1.0020	1.0038	1.0025	1.0016	1.0425
SDev	1.0000	1.0006	1.0008	1.0001	1.0008	1.0008	1.1049
%RSD	12.87	69.67	58.90	2.640	52.17	48.31	246.5
#1	1.0004	1.0013	1.0026	1.0037	1.0031	1.0021	1.0316
#2	1.0003	1.0004	1.0015	1.0039	1.0020	1.0010	1.1167
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	1.0020	1.0200					1.5000

Units: DPM
Avg: 1485
SDev: 10189
%RSD: 12.70

#1: 11618
#2: 11552

Errors: LC Pass
High: 15000
Low: -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
WavLen	371.030	---	---	---	---	---	---
Avg	48066	---	---	---	---	---	---
SDev	83.40269	---	---	---	---	---	---
%RSD	1.735182	---	---	---	---	---	---
#1	48007	---	---	---	---	---	---
#2	48125	---	---	---	---	---	---

Code: CAP4H1 Sample Name: CCV4 Operator: SD
Run Time: 10/31/00 12:05:16
Comment:
Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1590	B_2496	Ba4934	Be3130	Ca3179
Units	DPM	DPM	DPM	DPM	DPM	DPM	DPM
Avg	14944	-10056	21492	21366	21470	21506	-10141
SDev	10006	10018	1010	1005	1001	1003	10002
%RSD	11174	51.61	4.035	1.211	0.232	1.144	1.175
#1	14940	-10068	21485	21364	21470	21504	-10142
#2	14948	-10045	21500	21368	21471	21508	-10140

Errors: LC Pass NOCHECK LC Pass LC Pass LC Pass LC Pass LC Pass NOCHECK
High: 15250 21625 21750 21625 21625 21625
Low: 14750 21375 21250 21375 21375 21375

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	DPM	DPM	DPM	DPM	DPM	DPM	DPM
Avg	21472	21498	21502	21458	12001	-10111	21495
SDev	1004	1003	1004	1001	10075	10007	1002
%RSD	11812	11257	11626	0511	5.764	6.341	10961
#1	21469	21496	21499	21457	11948	-10116	21495
#2	21475	21500	21505	21458	12054	-10106	21496

Errors: LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
High: 21625 21625 21625 21625
Low: 21375 21375 21375 21375

Elem	Mg2020	N17316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	DPM	DPM	DPM	DPM	DPM	DPM	DPM

SDev	.021	.002	.007	.022	.034	.0016	.003
%RSD	.8407	.0994	.2786	.9047	1.354	.9315	1.087
#1	2.487	2.596	2.479	2.505	2.466	1.1747	2.492
#2	2.517	2.399	2.489	2.475	2.513	1.1771	2.488

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.486	2.531	2.487	2.485	2.469	2.500	50.19
SDev	.004	.004	.004	.009	.017	.042	.02
%RSD	.1509	.1600	.1435	.3460	.7034	1.675	.0406

#1	2.483	2.528	2.479	2.479	2.457	2.470	50.21
#2	2.489	2.534	2.484	2.491	2.481	2.529	50.18

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	24.69
SDev	.03
%RSD	.1094

#1	24.71
#2	24.68

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	47621	--	--	--	--	--	--
SDev	23.75713	--	--	--	--	--	--
%RSD	.0498876	--	--	--	--	--	--
#1	47632	--	--	--	--	--	--
#2	47605	--	--	--	--	--	--

Method: ICP-AES Sample Name: CCV5 Operator: SD
 Run Time: 10/31/00 12:10:51
 Comment:
 Mode: CONC Corr Factor: 1

Elem	As5750	As1582	As1890	As_2496	As4954	As3130	As3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0013	49.65	.0141	.0107	.0020	.0028	50.40

%RSD	21.26	1819	56.76	25.06	75.93	50.55	10069
#1	10017	49.57	10198	10125	10030	10039	50.40
#2	10015	49.70	10085	10088	10009	10018	50.40
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10030	10034	10144	10039	50.34	50.37	10072
SDev	10014	10015	10020	10014	1.00	1.02	10014
%RSD	45.09	44.29	15.85	36.74	10082	10321	20.06
#1	10040	10045	10158	10049	50.34	50.36	10082
#2	10021	10025	10130	10029	50.35	50.38	10062
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10216	10070	10035	10056	10303	85.77	10052
SDev	10077	10010	10008	10034	10105	1.16	10068
%RSD	35.81	14.69	21.95	60.55	34.59	11880	130.5
#1	10271	10077	10041	10032	6377	85.66	10101
#2	10162	10063	10030	10081	10229	85.89	10004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	Zr20571	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10047	10041	10210	-10055	10331	10287	1110e
SDev	10017	10019	10037	10006	10113	10100	12743
%RSD	35.54	46.19	17.41	10116	34.13	35.01	248.0
#1	10059	10055	10235	-10059	10411	10358	13046
#2	10035	10028	10184	-10051	10251	10216	-10835
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
Units	ppm						
Avg	12122						
SDev	1040e						
%RSD	19.12						
#1	12409						
#2	1835						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WavLen	371.050	--	--	--	--	--	--
AvgE	46330	--	--	--	--	--	--
SDev	9.650903	--	--	--	--	--	--
%RSD	.0208506	--	--	--	--	--	--
#1	46324	--	--	--	--	--	--
#2	46337	--	--	--	--	--	--

Method: ICP-AES Sample Name: C001 Operator: SD
 Run Time: 10/31/00 12:15:44
 Comment:
 Load: C000 Conn. Factor: 1

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AvgE	-0.000	0.028	0.021	0.021	0.003	0.000	0.018
SDev	0.0006	0.010	0.014	0.005	0.002	0.001	0.0298
%RSD	59180.	58.66	67.52	25.23	68.97	1254.	57.42
#1	0.0004	0.0747	0.0032	0.0025	0.0004	0.0001	0.0729
#2	-0.0004	0.0309	0.0011	0.0017	0.0001	-0.0001	0.0308

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.1000	0.0040	0.1000	0.0050	0.0010	0.5000
Low	-0.0050	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Cd2286	Cd2677	Cu3247	Fe2714	Hg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AvgE	0.0001	0.0001	-0.0000	0.0005	0.0706	0.0530	0.0001
SDev	0.0001	0.0004	0.0004	0.0004	0.0394	0.0324	0.0001
%RSD	55.82	344.8	2014.	84.43	55.91	61.19	137.9
#1	0.0002	0.0004	0.0003	0.0008	0.0984	0.0760	0.0002
#2	0.0001	-0.0002	-0.0003	0.0002	0.0427	0.0301	0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2065	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
AvgE	0.0045	-0.0004	0.0027	0.0002	0.0050	0.1421	0.0035
SDev	0.0016	0.0006	0.0006	0.0020	0.0047	0.0591	0.0024
%RSD	35.02	152.6	21.91	1075.	94.36	41.56	69.63
#1	0.0056	0.0000	0.0031	0.0016	0.0085	0.1838	0.0052
#2	0.0034	-0.0008	0.0023	-0.0012	0.0017	0.1003	0.0018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	Z70371	Z70372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0004	1.0010	1.0025	1.0026	1.0116	1.0014	1.1359
SDev	1.0003	1.0005	1.0007	1.0012	1.0057	1.0042	1.1261
%RSD	78.29	50.15	29.86	47.46	49.60	302.11	94.17
#1	1.0006	1.0014	1.0018	1.0034	1.0156	1.0044	1.2231
#2	1.0002	1.0007	1.0028	1.0017	1.0075	1.0016	1.0447
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	1.1565
SDev	1.0200
%RSD	12.78

#1	1.1706
#2	1.1425

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wavelength	371.030	---	---	---	---	---	---
Avg	47585	---	---	---	---	---	---
SDev	190.3167	---	---	---	---	---	---
%RSD	1.3999500	---	---	---	---	---	---
#1	47451	---	---	---	---	---	---
#2	47720	---	---	---	---	---	---

Method: CAP4H1 Sample Name: A100655-10-11 5005 Operator: SD

Run Time: 10/31/00 12:20:52

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag5280	Al3082	As1690	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0454	1.994	1.001	1.9057	1.0984	1.0098	18.81
SDev	1.0005	1.005	1.0007	1.0007	1.0001	1.0000	1.04
%RSD	1.071	1.502	1.047	1.0765	1.0904	1.2754	1.1968
#1	1.0450	1.992	1.003	1.9057	1.0985	1.0098	18.79
#2	1.0457	1.995	1.000	1.9047	1.0985	1.0098	18.84

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	.0096	.0972	.0394	.0403	.9571	18.89	.0401
SDev	.0002	.0002	.0005	.0003	.0092	.03	.0002
%RSD	2.375	.2357	1.217	.6911	.9617	.1568	.3987
#1	.0094	.0971	.0390	.0401	.9506	18.87	.0400
#2	.0097	.0974	.0397	.0405	.9636	18.91	.0402

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	.0949	.0927	.0981	.0996	.0962	.1130	.0950
SDev	.0032	.0000	.0005	.0014	.0023	.0043	.0030
%RSD	3.339	.0203	.4667	1.453	2.368	3.775	3.188
#1	.0926	.0927	.0978	.1006	.0946	.1100	.0929
#2	.0971	.0927	.0984	.0986	.0978	.1160	.0972

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1.000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	.0396	.1029	.0965	.0986	.0990	.0946	21.34
SDev	.0005	.0000	.0001	.0006	.0016	.0026	.021
%RSD	1.361	.0317	.0684	.6624	1.641	2.755	.9746
#1	.0392	.1029	.0964	.0982	.0979	.0927	21.20
#2	.0399	.1029	.0965	.0991	.1002	.0964	21.49

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	oem
Avgc	19.41
SDev	.01
%RSD	.0415

#1	19.42
#2	19.41

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--

Avg	48257	---	---	---	---	---	---
SDev	61.62325	---	---	---	---	---	---
%RSD	.1276957	---	---	---	---	---	---
#1	48300	---	---	---	---	---	---
#2	48215	---	---	---	---	---	---

Method: ICP4HT Sample Name: A100655-10-12 Operator: SP
 Run Time: 10/31/00 12:26:11
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0430	1.994	.1003	.9109	.0983	.0098	18.89
SDev	.0001	.0007	.0022	.0005	.0001	.0000	.00
%RSD	.1144	.3364	2.217	.0500	.0570	.1880	.0070
#1	.0430	1.989	.1019	.9112	.0985	.0098	18.90
#2	.0430	1.998	.0987	.9106	.0984	.0098	18.89

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	5.000	5.000
Low	-1.0050	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Cb2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.0972	.0390	.0403	.9556	18.94	.0397
SDev	.0001	.0002	.0001	.0002	.0016	.00	.0000
%RSD	1.551	.2053	.2751	.4162	.1645	.0131	.0117
#1	.0096	.0971	.0390	.0404	.9543	18.94	.0397
#2	.0094	.0974	.0391	.0402	.9568	18.94	.0397

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0965	.0970	.0980	.0992	.0946	.0984	.0983
SDev	.0008	.0005	.0006	.0007	.0019	.0005	.0004
%RSD	.7787	.5131	.6467	.6734	1.974	.4895	.3856
#1	.0959	.0924	.0984	.0987	.0935	.0981	.0980
#2	.0970	.0917	.0975	.0997	.0961	.0987	.0985

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0394	.1117	.0954	.0990	.0976	.0931	21.33
SDev	.0001	.0001	.0005	.0011	.0014	.0021	.00
%RSD	.1249	.0969	.2888	1.099	1.438	2.261	.2547

#1	.0393	.1116	.0957	.0998	.0966	.0917	21.31
#2	.0394	.1118	.0956	.0982	.0986	.0946	21.39
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge 19.37
 SDev .01
 %RSD .0638

#1	19.36
#2	19.38

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Units	371.050	--	--	--	--	--	--
Avge	47991	--	--	--	--	--	--
SDev	59.89415	--	--	--	--	--	--
%RSD	.1248030	--	--	--	--	--	--

#1	47945	--	--	--	--	--	--
#2	48033	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100655-10 Operator: SD

Run Time: 10/31/00 12:31:25

Comments:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0137	.0193	.4116	.2655	-.0003	48.14
SDev	.0006	.0057	.0000	.0005	.0000	.0000	.08
%RSD	111.6	25.32	.0203	.1109	.0045	2.725	.1559

#1	.0009	.0160	.0195	.4113	.2654	-.0003	48.09
#2	.0001	.0115	.0193	.4119	.2655	-.0003	48.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0005	.0006	.0057	-.0130	15.33	.1046
SDev	.0000	.0004	.0007	.0007	.0029	-.000	.0003
%RSD	16.55	86.39	57.88	5.429	22.72	.0064	.0789

#1	-.0002	.0008	.0004	.0059	-.0109	15.33	.1045
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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	o/m	o/m	o/m	o/m	o/m	o/m	o/m
Avg	1.0069	1.0003	1.0037	1.0027	1.0115	46.51	1.0033
SDev	1.0001	1.0003	1.0002	1.0022	1.0029	1.50	1.0002
%RSD	1.295	102.9	5.914	101.1	25.51	1.082	6.917
#1	1.0070	1.0005	1.0031	1.0038	1.0135	46.16	1.0037
#2	1.0069	1.0001	1.0035	1.0006	1.0094	46.87	1.0035

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0050	-0.0100	-1.0100	-1.000	-0.100

Elem	V_2924	Zn2067	Zr20371	Zr20372	196071	196072	Na3302
Units	o/m	o/m	o/m	o/m	o/m	o/m	o/m
Avg	1.0358	1.0051	-1.0031	1.0061	1.0075	1.0132	92.11
SDev	1.0002	1.0000	1.0025	1.0010	1.0007	1.0047	1.01
%RSD	1.5185	1.3615	80.65	15.99	9.513	35.76	1.0102
#1	1.0356	1.0051	-1.0049	1.0065	1.0068	1.0166	92.12
#2	1.0359	1.0051	-1.0013	1.0054	1.0078	1.0099	92.10

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-5.000

Elem	K_7664
Units	o/m
Avg	5.652
SDev	1.028
%RSD	1.4909
#1	5.632
#2	5.671

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Count	1	--	--	--	--	--	--
Mean	371.030	--	--	--	--	--	--
StDev	479.57	--	--	--	--	--	--
SDev	12.1257e	--	--	--	--	--	--
%RSD	0252955	--	--	--	--	--	--
#1	47928	--	--	--	--	--	--
#2	47945	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100655-10-S1 Operator: S1

Run Time: 10/31/00 12:36:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3760	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.433	2.029	0.1168	1.315	0.3600	0.0098	66.04
SDev	0.0004	0.001	0.0017	0.001	0.0003	0.0000	0.04
%RSD	0.015	0.0429	0.491	0.0708	0.0233	0.365	0.0551
#1	0.436	2.030	0.1156	1.316	0.3599	0.0098	66.06
#2	0.430	2.029	0.1180	1.314	0.3600	0.0098	66.01

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.090	0.964	0.596	0.0460	0.9335	34.41	0.1427
SDev	0.0007	0.0005	0.0000	0.0004	0.0088	0.07	0.0000
%RSD	2.517	0.4830	0.0250	0.925	0.9419	0.0521	0.0141
#1	0.091	0.968	0.596	0.0464	0.9397	34.43	0.1428
#2	0.088	0.961	0.596	0.0457	0.9275	34.40	0.1427

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0968	0.0920	0.0967	0.1015	0.0971	49.10	0.0978
SDev	0.0021	0.0001	0.0015	0.0009	0.0001	0.13	0.0027
%RSD	2.189	0.0951	0.547	0.9075	0.0855	0.2562	2.785
#1	0.0955	0.0921	0.0957	0.1019	0.0970	49.01	0.0997
#2	0.0983	0.0919	0.0978	0.1006	0.0971	49.19	0.0959

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0751	0.0006	0.0963	0.0966	0.0995	0.0956	H112.1
SDev	0.0005	0.0001	0.0018	0.0014	0.0009	0.0003	0.0
%RSD	0.4421	0.456	0.858	0.597	0.9083	0.3420	0.0079
#1	0.0755	0.0007	0.0950	0.0957	0.0988	0.0959	H112.1
#2	0.0748	0.0005	0.0975	0.0976	0.0901	0.0954	H112.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Units ppm
 Avge 28.56
 SDev .03
 %RSD .0513

#1 28.55
 #2 28.57

Errors LC Pass
 High 50.00
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Waven	371.030	---	---	---	---	---	---
Avge	47083	---	---	---	---	---	---
SDev	11.63135	---	---	---	---	---	---
%RSD	.0247042	---	---	---	---	---	---
#1	47091	---	---	---	---	---	---
#2	47074	---	---	---	---	---	---

Code: ICAP4HI Sample Name: A100653-10-52 Operator: SD
 Run Time: 10/31/00 12:41:54
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0439	2.029	.1165	1.318	.3614	.0097	66.21
SDev	.0001	.003	.0024	.003	.0001	.0000	.05
%RSD	.1828	.0718	2.042	1.106	.0402	.2077	.0484
#1	.0439	2.028	.1149	1.317	.3613	.0097	66.23
#2	.0440	2.030	.1182	1.319	.3615	.0097	66.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	.0966	.0397	.0459	.9379	34.48	.1436
SDev	.0003	.0003	.0002	.0003	.0017	.02	.0001
%RSD	.6919	.1016	.5851	.1277	.1767	.0570	.0352
#1	.0091	.0966	.0398	.0459	.9390	34.49	.1436
#2	.0092	.0967	.0395	.0459	.9367	34.46	.1436

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Ni2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0010	.0012	.0008	.0004	.0014	.05	.0001
%RSD	1.033	1.314	.8620	.3477	1.393	.1053	.0629
#1	.0975	.0922	.0965	.1044	.0985	49.93	.0975
#2	.0996	.0905	.0977	.1050	.1005	50.01	.0974

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-0.100	-0.100	-1.000	-0.100

Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0751	.1009	.0928	.0996	.1009	.0985	H113.1
SDev	.0002	.0001	.0012	.0019	.0028	.0007	.0
%RSD	.3145	.0520	1.282	1.868	2.811	.6706	.0570

#1	.0757	.1009	.0936	.0977	.0989	.0981	H113.1
#2	.0749	.1008	.0919	.1005	.1029	.0990	H113.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-0.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	28.54
SDev	.105
%RSD	.1850

#1	28.50
#2	28.58

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	3711.650	--	--	--	--	--	--
Avg	47257	--	--	--	--	--	--
SDev	101.4692	--	--	--	--	--	--
%RSD	.2147207	--	--	--	--	--	--
#1	47322	--	--	--	--	--	--
#2	47185	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100631-1 Operator: SD
 Date Time: 10/31/00 12:47:05
 Comment:
 Mode: CONC Conc. Factor: 1

Elem	Ag5280	Al5082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0989	.0090	.1537	.1132	.0003	60.04

%RSD	46.57	1.3387	2.760	1.2735	1.2199	3.890	1.1201
#1	1.0006	1.0992	1.0089	1.1540	1.1134	-1.0003	59.99
#2	1.0003	1.0957	1.0097	1.1534	1.1130	-1.0003	60.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0009	1.0007	1.0035	1.0968	21.14	1.0084
SDev	1.0000	1.0002	1.0001	1.0000	1.0014	1.00	1.0000
%RSD	34.50	23.09	29.27	1.9976	1.477	1.0035	1.4111
#1	-1.0001	1.0010	1.0002	1.0035	1.0958	21.14	1.0084
#2	-1.0001	1.0007	1.0007	1.0035	1.0976	21.14	1.0083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mg2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0056	1.0031	1.0026	-1.0005	1.0031	33.75	1.0028
SDev	1.0015	1.0001	1.0003	1.0020	1.0009	1.02	1.0002
%RSD	41.77	4.642	13.35	370.1	28.32	1.0501	8.597
#1	1.0047	1.0032	1.0023	1.0009	1.0025	33.72	1.0030
#2	1.0026	1.0030	1.0028	-1.0020	1.0037	33.74	1.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0284	1.0106	-1.0019	1.0045	1.0056	1.0015	52.45
SDev	1.0002	1.0003	1.0006	1.0008	1.0002	1.0014	1.0022
%RSD	1.7955	2.542	29.81	17.67	3.085	95.15	1.4220
#1	1.0283	1.0108	-1.0015	1.0039	1.0058	1.0005	52.61
#2	1.0286	1.0104	-1.0023	1.0051	1.0055	1.0024	52.30
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	4.179						
SDev	1.011						
%RSD	1.2734						
#1	4.187						
#2	4.171						

Errors LC Pass
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avgc	47146	--	--	--	--	--	--
SDev	36.62868	--	--	--	--	--	--
%RSD	.0776919	--	--	--	--	--	--
#1	47120	--	--	--	--	--	--
#2	47172	--	--	--	--	--	--

Method: TCAP4HI Sample Name: A100651-2 Operator: SD
 Run Time: 10/31/00 12:52:24
 Comment:
 Mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Value	-1.0001	.0550	.0066	.1515	.1121	-1.0003	59.69
SDev	.0001	.0005	.0032	.0005	.0002	.0000	.19
%RSD	55.15	.8503	48.03	.621	.1867	.5925	.5178
#1	-1.0001	.0555	.0088	.1516	.1120	-1.0003	59.82
#2	-1.0002	.0546	.0044	.1515	.1123	-1.0003	59.56

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0050 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cu2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avgc	-1.0004	.0004	-1.0001	.0027	.0262	20.96	.0070
SDev	.0001	.0004	.0004	.0002	.0012	.07	.0000
%RSD	14.31	91.15	392.0	8.382	4.722	.5292	.4116
#1	-1.0005	.0006	.0002	.0029	.0255	21.01	.0071
#2	-1.0004	.0001	-1.0003	.0026	.0271	20.91	.0070

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Sa1960	Si2881	Ti1908
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Value	.0018	.0035	.0022	-1.0012	.0007	33.35	.0034
SDev	.0007	.0010	.0005	.0030	.0005	.05	.0074
%RSD	40.66	29.48	24.92	241.6	74.91	.0959	220.2
#1	.0025	.0040	.0018	.0009	.0005	33.55	-1.0019
#2	.0013	.0026	.0025	-1.0033	.0010	33.57	.0086

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

LOW	- .0050	- .0050	- .0030	- .0100	- .0100	- .0100	- .0100
Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0279	.0159	-.0026	.0042	.0008	.0003	51.95
SDev	.0004	.0004	.0014	.0015	.0026	.0021	.01
%RSD	1.283	2.753	53.54	35.27	311.6	750.7	.0101
#1	.0281	.0162	-.0016	.0032	.0027	-.0012	51.95
#2	.0276	.0156	-.0035	.0053	-.0010	.0017	51.95
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	4.126
SDev	.032
%RSD	.7653
#1	4.150
#2	4.106
Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	571.050	--	--	--	--	--	--
Avg	47497	--	--	--	--	--	--
SDev	188.3562	--	--	--	--	--	--
%RSD	.5965250	--	--	--	--	--	--
#1	47364	--	--	--	--	--	--
#2	47630	--	--	--	--	--	--

Method: ICP-AES Sample Name: CC61 Operator: SD

Run Time: 10/31/00 12:57:39

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1690	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	-.0006	.0018	.0012	.0002	-.0003	.0820
SDev	.0000	.0029	.0012	.0003	.0001	.0000	.0372
Low	.5335	463.3	64.79	12.45	54.05	4.090	45.40
#1	.0004	.0014	.0010	.0011	.0005	-.0005	.1085
#2	.0004	-.0027	.0027	.0013	.0002	-.0003	.0557
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	-1.0001	1.0002	-1.0006	1.0001	1.0009	1.0251	-1.0002
SDev	1.0000	1.0000	1.0005	1.0000	1.0050	1.0118	1.0000
%RSD	44.55	1.9315	79.129	28.66	538.4	47.03	1.2705
#1	-1.0001	1.0002	-1.0010	1.0002	-1.0026	1.0335	-1.0002
#2	-1.0001	1.0002	-1.0005	1.0001	1.0044	1.0165	-1.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	-1.0010	-1.0005	1.0022	-1.0018	1.0030	1.1889	1.0024
SDev	1.0009	1.0001	1.0002	1.0027	1.0032	1.0383	1.0010
%RSD	90.45	15.55	7.122	149.8	105.7	20.26	39.50
#1	-1.0004	-1.0005	1.0023	-1.0037	1.0053	1.2160	1.0018
#2	-1.0016	-1.0004	1.0021	1.0001	1.0008	1.1618	1.0031

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.1000	1.0100
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.1000	-1.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	-1.0003	1.0009	-1.0041	1.0050	1.0037	1.0024	1.0707
SDev	1.0004	1.0002	1.0002	1.0003	1.0013	1.0041	1.0009
%RSD	155.7	25.52	4.789	6.602	35.59	175.3	142.8
#1	-1.0006	1.0011	-1.0042	1.0053	1.0047	1.0053	-1.0007
#2	1.0000	1.0008	-1.0039	1.0048	1.0028	-1.0006	1.1421

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	cpm
Avgc	1.1585
SDev	1.0161
%RSD	10.15

#1	1.1471
#2	1.1694

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED	NOT USED
Elem	K	--	--	--	--	--	--

Avg	4746e	--	--	--	--	--	--
SDev	166.8054	--	--	--	--	--	--
%RSD	3.514341	--	--	--	--	--	--
#1	47582	--	--	--	--	--	--
#2	47346	--	--	--	--	--	--

Method: JCAP4H1 Sample Name: A100267-1-S0 8811CP1 Operator: SP
 Run Time: 10/31/00 13:02:54
 Comment:
 Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0982	1.0347	1.0108	1.0174	1.0029	1.4438
SDev	1.0001	1.0097	1.0109	1.0041	1.0002	1.0000	1.0185
%RSD	18.50	9.173	31.44	38.39	1.368	1.2718	4.125
#1	1.0005	1.0915	1.0424	1.0078	1.0175	1.0029	1.4568
#2	1.0003	1.1050	1.0270	1.0137	1.0176	1.0029	1.4309

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0019	1.0011	1.0043	1.0209	1.1106	1.0895	1.0006
SDev	1.0005	1.0027	1.0027	1.0019	1.0546	1.0157	1.0006
%RSD	17.15	256.6	63.54	9.177	49.57	17.65	91.49
#1	1.0017	1.0030	1.0024	1.0195	1.0720	1.0781	1.0002
#2	1.0022	1.0009	1.0062	1.0222	1.1492	1.1004	1.0010

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0062	1.0588	1.0205	1.0513	1.0495	2.1881	1.0397
SDev	1.0013	1.0017	1.0000	1.0085	1.0122	1.220	1.1051
%RSD	21.75	3.148	1.858	16.55	24.67	8.203	264.8
#1	1.0052	1.0379	1.0205	1.0453	1.0409	2.1857	1.0346
#2	1.0071	1.0596	1.0205	1.0574	1.0582	2.1526	1.1140

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0017	1.0017	1.0020	1.0268	1.0550	1.0434	5828.1
SDev	1.0032	1.0031	1.0076	1.0038	1.0131	1.0118	1.1
%RSD	268.7	175.9	370.5	14.06	23.85	27.13	1.0096
#1	1.0011	1.0039	1.0074	1.0241	1.0457	1.0351	5828.1
#2	1.0034	1.0004	1.0035	1.0294	1.0643	1.0517	5829.1

Elem	K_7664
Units	ppm
Avg	7.557
SDev	1.090
%RSD	1.217

#1	7.421
#2	7.794

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
WaveLen	371.050	---	---	---	---	---	---
Avgc	44543	---	---	---	---	---	---
SDev	163.2017	---	---	---	---	---	---
%RSD	.2316964	---	---	---	---	---	---
#1	44470	---	---	---	---	---	---
#2	44616	---	---	---	---	---	---

Method: ICP-AES Sample Name: AJ00287-1-L1 3010 Operator: S
 Run Time: 10/31/00 13:08:10
 Comment:
 Code: 0000 Corr. Factor: 10

Elem	Ag5280	Al5082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	9.438	37.84	1.932	8.821	9.846	2.017	188.8
SDev	.006	.10	.035	.032	.007	.005	.6
%RSD	.0671	.2746	1.816	.3588	.0698	.2504	.5014
#1	9.433	37.91	1.908	8.799	9.851	2.014	188.4
#2	9.442	37.76	1.957	8.843	9.841	2.021	189.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.9676	1.954	2.035	2.010	39.09	187.1	2.022
SDev	.0063	.009	.010	.002	.22	.3	.005
%RSD	.6522	.4597	.4718	.1204	.5601	.2847	.2658
#1	1.9631	1.948	2.028	2.011	38.94	186.7	2.019
#2	1.9726	1.961	2.042	2.008	39.25	187.4	2.026

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.944	1.835	9.698	9.105	1.817	6.243	9.406
SDev	.024	.003	.027	.062	.036	.139	.010
%RSD	1.232	.1381	.2742	.6826	1.963	2.227	.1038
#1	1.927	1.834	9.679	9.149	1.792	6.342	9.399
#2	1.961	1.837	9.716	9.061	1.842	6.145	9.413

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na5302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.012	9.876	9.742	9.672	1.814	1.816	215.2
SDev	.005	.058	.014	.033	.006	.051	4.3
%RSD	.2676	.5848	.1391	.3422	.3281	2.781	1.975
#1	2.008	9.829	9.733	9.649	1.810	1.780	218.2
#2	2.016	9.911	9.752	9.696	1.818	1.852	212.2

Elem	X_7664
Units	ppm
Avgc	188.3

%RSD 1.4117

#1 188.8
#2 187.7

ConcStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avgc	47077	--	--	--	--	--	--
SDcv	124.9833	--	--	--	--	--	--
%RSD	0.2654827	--	--	--	--	--	--
#1	47167	--	--	--	--	--	--
#2	46989	--	--	--	--	--	--

Method: ICP4HI Sample Name: C081 Operator: SD

Run Time: 10/31/00 13:13:24

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0016	0.0004	0.0005	0.0024	0.0013	0.0000	0.0103
SDcv	0.0001	0.0011	0.0018	0.0003	0.0005	0.0001	0.0100
%RSD	6.126	264.5	385.0	12.48	37.16	416.9	97.77
#1	0.0017	0.0017	0.0017	0.0026	0.0016	0.0001	0.0174
#2	0.0015	0.0004	0.0008	0.0027	0.0009	0.0001	0.0032

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.000	0.0040	0.000	0.0050	0.0010	0.5000
Low	-0.0030	-0.000	-0.0040	-0.000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0001	0.0004	0.0002	0.0007	0.0024	0.0165	0.0001
SDcv	0.0001	0.0006	0.0002	0.0001	0.0005	0.0090	0.0001
%RSD	96.28	1744	96.27	14.60	19.87	55.41	136.9
#1	0.0006	0.0004	0.0001	0.0007	0.0021	0.0277	0.0002
#2	0.0002	0.0004	0.0003	0.0006	0.0028	0.0099	0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0006	0.0001	0.0041	0.0015	0.0051	0.0550	0.0027
SDcv	0.0007	0.0006	0.0007	0.0009	0.0017	0.0012	0.0022
%RSD	121.6	605.5	17.26	70.20	34.45	2.116	84.58
#1	0.0011	0.0005	0.0046	0.0019	0.0065	0.0541	0.0042
#2	0.0001	0.0005	0.0036	0.0007	0.0038	0.0558	0.0011

High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0021	-.0012	.0065	.0061	.0042	.1415
SDev	.0001	.0003	.0016	.0003	.0062	.0005	.0907
%RSD	102.1	15.05	130.2	4.030	100.7	11.45	63.98
#1	.0002	.0023	-.0001	.0067	.0105	.0039	.0777
#2	.0000	.0018	-.0024	.0065	.0018	.0045	.2060

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	.1790
SDev	.0151
%RSD	8.420

#1	.1683
#2	.1896

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	47760	--	--	--	--	--	--
SDev	212.5906	--	--	--	--	--	--
%RSD	.4451247	--	--	--	--	--	--
#1	47910	--	--	--	--	--	--
#2	47609	--	--	--	--	--	--

Method: ICP4HI Sample Name: UCV6 Operator: SD
 Run Time: 10/31/00 13:18:37
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3250	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4956	-.0083	2.494	2.300	2.447	2.513	-.0120
SDev	.0003	.0030	.010	.006	.006	.005	.0002
%RSD	.0654	35.65	.4116	.2735	.2375	.2015	1.947
#1	.4959	-.0062	2.487	2.304	2.451	2.507	-.0122
#2	.4954	-.0104	2.502	2.295	2.443	2.518	-.0118

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK
High	.6250		2.625	2.750	2.625	2.625	
Low	-.6250		-.625	-.750	-.625	-.625	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.457	2.501	2.512	2.441	.2001	-.0106	2.496
SDev	.009	.008	.008	.007	.0089	.0010	.006
%RSD	.3595	.3347	.3029	.2785	4.427	9.601	.2265

#1	2.450	2.495	2.506	2.445	.2064	-.0099	2.492
#2	2.463	2.507	2.517	2.436	.1939	-.0114	2.500

Errors	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.503	L2.341	2.481	2.478	2.481	.2395	2.495
SDev	.025	.002	.013	.003	.029	.0053	.019
%RSD	1.008	.0940	.5129	.1401	1.159	2.202	.7418

#1	2.485	L2.539	2.472	2.475	2.461	.2430	2.482
#2	2.521	L2.342	2.490	2.480	2.502	.2355	2.508

Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	1960/1	1960/2	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.482	2.559	2.485	2.479	2.456	2.494	50.25
SDev	.003	.016	.011	.014	.015	.035	.02
%RSD	.1060	.6256	.4329	.5521	.6234	1.423	.0404

#1	2.480	2.547	2.475	2.469	2.445	2.469	50.24
#2	2.484	2.570	2.490	2.489	2.467	2.519	50.27

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	24.56
SDev	.04
%RSD	.1677

#1	24.59
#2	24.53

Errors	LC Pass
High	26.25
Low	23.75

Int.Sta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Wavelength	371.030	--	--	--	--	--	--
Avg	47042	--	--	--	--	--	--
SDev	.7430146	--	--	--	--	--	--
%RSD	.0015795	--	--	--	--	--	--
#1	47042	--	--	--	--	--	--
#2	47042	--	--	--	--	--	--

Method: ICP4Hi Sample Name: CCV7 Operator: SD
 Run Time: 10/31/00 13:23:51
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0017	49.49	.0137	.0104	.0016	.0025	50.83
SDev	.0002	.02	.0034	.0021	.0014	.0013	.03
%RSD	13.45	.0534	25.06	19.80	82.26	52.82	.0687
#1	.0018	49.51	.0162	.0118	.0026	.0034	50.81
#2	.0015	49.48	.0115	.0089	.0007	.0016	50.86

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0031	.0032	.0143	.0038	50.81	50.90	.0069
SDev	.0013	.0014	.0013	.0017	.05	.03	.0013
%RSD	40.37	42.25	9.072	32.36	1010	10680	19.08
#1	.0040	.0047	.0152	.0046	50.77	50.87	.0078
#2	.0022	.0023	.0133	.0029	50.84	50.92	.0060

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0224	.0068	.0037	.0057	.0297	86.37	-.0032
SDev	.0077	.0019	.0009	.0047	.0061	.09	.0044
%RSD	34.28	27.49	23.13	83.20	20.87	10992	156.3
#1	.0278	.0081	.0044	.0023	.0340	86.31	-.0001
#2	.0169	.0055	.0031	.0090	.0253	86.43	-.0063

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr20371	Zr20372	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0044	.0037	.0183	-.0038	.0328	.0279	1.588
SDev	.0014	.0009	.0034	.0004	.0033	.0076	.0336

#1	.0054	.0044	.0206	-.0041	.0351	.0332	.1840
#2	.0034	.0031	.0159	-.0036	.0305	.0226	.1336
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem K_7664
 Units ppm
 Avge .1855
 SDev .0057
 %RSD 1.980

#1	.1829
#2	.1881

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Min	---	---	---	---	---	---	---
Max	371.030	---	---	---	---	---	---
Avge	45693	---	---	---	---	---	---
SDev	3.712537	---	---	---	---	---	---
%RSD	.0081244	---	---	---	---	---	---
#1	45690	---	---	---	---	---	---
#2	45691	---	---	---	---	---	---

Method: ICP-AES Sample Name: C051

Operator: SD

Run Time: 10/31/00 13:35:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0003	-0.0029	0.0002	0.0013	0.0000	-0.0002	-0.0094
Stdev	0.0006	0.0010	0.0004	0.0002	0.0003	0.0000	0.0011
%RSD	195.5	36.21	194.5	14.49	145.2	5.969	11.16
#1	-0.0001	-0.0036	-0.0001	0.0015	-0.0000	-0.0007	-0.0087
#2	0.0007	-0.0021	0.0005	0.0012	0.0001	-0.0002	-0.0102

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.1000	0.0040	0.1000	0.0050	0.0010	0.5000
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0002	-0.0003	0.0004	0.0030	-0.0031	-0.0001
Stdev	0.0000	0.0004	0.0004	0.0007	0.0097	0.0020	0.0001
%RSD	12.11	167.6	121.1	166.9	321.0	65.46	49.96
#1	-0.0002	-0.0000	-0.0006	-0.0001	-0.0038	-0.0046	-0.0002
#2	-0.0002	0.0005	-0.0000	0.0009	0.0099	-0.0017	-0.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0012	-0.0004	0.0019	-0.0020	0.0010	0.0457	0.0026
Stdev	0.0003	0.0008	0.0008	0.0008	0.0012	0.0017	0.0012
%RSD	6.802	200.9	44.27	41.20	121.3	3.817	48.41
#1	0.0015	-0.0010	0.0015	-0.0026	0.0018	0.0469	0.0017
#2	0.0012	0.0002	0.0025	-0.0014	0.0001	0.0445	0.0034

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	0.1000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.1000	-0.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0002	0.0009	0.0010	0.0020	0.0035	-0.0006	0.1617
Stdev	0.0003	0.0003	0.0002	0.0013	0.0034	0.0001	0.2245
%RSD	175.1	33.22	21.65	56.46	97.84	13.01	138.8
#1	-0.0000	0.0008	0.0009	0.0012	0.0059	-0.0005	0.0030
#2	0.0004	0.0009	0.0012	0.0028	0.0011	-0.0006	0.3205

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Units ppm
 Avge 11498
 SDev 10427
 %RSD 28.51

#1 11196
 #2 1800

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	---	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	47078	---	---	---	---	---	---
SDev	57.17069	---	---	---	---	---	---
%RSD	1214574	---	---	---	---	---	---
#1	47119	---	---	---	---	---	---
#2	47038	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100287-1-12 SILIC Operator: SD
 Run Time: 10/31/00 13:40:49
 Comment:
 Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	9.406	58.03	1.956	8.622	9.910	2.034	190.6
SDev	1.002	1.01	1.044	1.035	1.026	1.005	1.6
%RSD	10.75	1.085	2.239	1.4089	1.2610	1.2686	1.3045

#1 9.408 38.03 1.925 8.597 9.891 2.038 191.0
 #2 9.405 58.02 1.987 8.647 9.928 2.031 190.2

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.9787	1.974	2.054	2.026	39.130	188.9	2.039
SDev	0.049	0.007	0.006	0.000	0.25	0.6	0.003
%RSD	1.4955	1.5475	1.2877	1.0037	1.6291	1.3050	1.1650

#1 1.9821 1.979 2.058 2.026 39.48 189.3 2.041
 #2 1.9752 1.969 2.049 2.026 39.13 188.5 2.037

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si7881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.987	1.840	9.782	9.062	1.557	5.659	9.533
SDev	0.023	0.021	0.042	0.034	0.034	0.152	0.012
%RSD	1.162	1.125	1.4255	1.3784	1.632	2.690	1.293

#1 1.971 1.855 9.812 9.038 1.633 5.766 9.524
 #2 2.004 1.825 9.755 9.086 1.681 5.551 9.342

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr196071	Zr196072	Na3307
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Avge	2.050	10.00	9.781	9.780	1.836	1.866	207.8
SDev	1.005	1.06	1.025	1.050	1.049	1.027	1.16
%RSD	12578	16446	2557	15091	21659	1429	14019
#1	2.054	10.05	9.799	9.816	1.801	1.847	207.3
#2	2.026	9.957	9.765	9.745	1.870	1.884	208.4

Elem K_7664
Units ppm
Avge 189.0
SDev 1.1
%RSD 1.0591

#1 188.9
#2 189.0

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.050	--	--	--	--	--	--
Avge	47260	--	--	--	--	--	--
SDev	199.4753	--	--	--	--	--	--
%RSD	14220779	--	--	--	--	--	--
#1	47115	--	--	--	--	--	--
#2	47401	--	--	--	--	--	--

Method: CAP481 Sample name: A100287-1 X200 Operator: SD
Run Time: 10/31/00 15:46:05
Comment:
Mode: CONC Corr. Factor: 200

Elem	Ag3780	Al3082	As1690	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.5781	1.616	1.4442	1.188	1.2669	1.0036	2.236
SDev	1.2229	1.011	1.4436	1.231	1.1279	1.0251	2.259
%RSD	58.96	62.58	99.88	19.47	47.92	697.0	101.0
#1	1.5357	2.331	1.7579	1.357	1.3574	1.0147	3.833
#2	1.2205	1.9007	1.1305	1.025	1.1765	1.0214	1.6590

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0159	1.1682	1.4417	1.513	9.195	3.780	1.2113
SDev	1.0142	1.0902	1.1090	1.120	2.754	2.981	1.0452
%RSD	89.02	55.59	24.71	7.924	29.96	78.86	21.38
#1	1.0059	1.2320	1.5182	1.598	11.14	3.887	1.2432
#2	1.0259	1.1045	1.5641	1.428	7.246	1.672	1.1793

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4883	68.11	1.8220	1.4979	1.9495	9.087	1.6292
SDev	1.2429	7.12	1.0988	1.4610	1.9963	1.489	1.7868
%RSD	49.73	5.117	12.02	92.58	104.9	16.38	125.1

Analysis Report

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#2	.3166	66.61	.8919	.1720	.2450	8.034	.0728
Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.063	.5521	1.2075	1.283	.5571	1.092	701.0
SDev	.1002	.1982	.3572	.026	.2589	1.365	54.1
%RSD	94.20	35.90	172.2	2.006	48.20	124.9	26.92

#1	.1771	.6923	1.4601	1.301	.7201	2.057	239.3
#2	.0355	.4120	.0451	1.265	.3540	.1275	162.8

Elem	K_7664
Units	ppm
Avg	38.91
SDev	6.22
%RSD	15.97

#1	43.57
#2	34.57

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Gen	371.030	--	--	--	--	--	--
Avg	47439	--	--	--	--	--	--
SDev	197.7413	--	--	--	--	--	--
%RSD	.4168343	--	--	--	--	--	--
#1	47299	--	--	--	--	--	--
#2	47579	--	--	--	--	--	--

Method: ICP4HT Sample Name: A100287-(1-5) X200 Operator: SD
 Run Time: 10/31/00 13:51:17
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.9315	4.196	1.123	1.373	1.055	.1571	17.64
SDev	.0145	.319	.310	.069	.007	.0024	.05
%RSD	1.555	7.602	27.60	5.048	.6286	1.500	.2574

#1	.9213	4.422	.9038	1.324	1.060	.1588	17.61
#2	.9418	3.971	1.342	1.422	1.050	.1554	17.67

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0656	.2349	.4386	.6271	6.457	18.18	.2639
SDev	.0494	.0470	.0527	.0026	.010	.38	.0061
%RSD	75.28	20.00	12.02	.4129	.1567	2.106	2.318

#1	.0507	.2681	.4013	.6289	6.450	17.91	.2596
#2	.1005	.2017	.4759	.6253	6.464	18.45	.2687

Elem	Mo2020	Ni2316	Pb2205	Se2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	1.0876	1.11	1.221	1.5808	1.0664	1.519	1.5463
%RSD	26.02	1.3584	15.92	42.07	11.53	3.445	67.37
#1	1.5985	50.45	1.546	1.6360	1.5388	9.473	1.2691
#2	1.2747	30.29	1.233	1.175	1.6327	9.023	1.7586
Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.1694	1.299	1.7375	1.661	1.8036	1.4132	54.14
SDev	1.0699	1.015	1.3666	1.511	1.1925	1.0032	30.93
%RSD	41.26	1.019	49.70	50.75	23.96	1.7757	90.61
#1	1.1200	1.508	1.4783	2.022	1.6675	1.4109	12.27
#2	1.2189	1.290	1.5967	1.500	1.9397	1.4154	56.101

Elem	K_7664
Units	ppm
Avg	49.21
SDev	5.15
%RSD	16.56

#1	54.97
#2	43.44

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.050	--	--	--	--	--	--
Avg	47130	--	--	--	--	--	--
SDev	84.88872	--	--	--	--	--	--
%RSD	1.801170	--	--	--	--	--	--
#1	47190	--	--	--	--	--	--
#2	47070	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100287-1-52 X200 Operator: SD
 Run Time: 10/31/00 13:56:57
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	9696	5.174	3504	1.563	1.044	1.566	17.44
SDev	10975	1.331	1.1715	1.014	1.011	1.0050	1.05
%RSD	10.09	10.59	49.02	19194	1.024	3.193	1.2722
#1	1.9004	2.890	1.2289	1.573	1.036	1.1601	17.47
#2	1.039	5.355	1.4718	1.553	1.051	1.1530	17.41

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0823	1.3202	1.6213	1.633	11.34	18.66	1.3556
SDev	1.0071	1.0800	1.0200	1.051	1.24	1.51	1.0000
%RSD	8.636	24.99	3.213	3.111	10.93	1.641	1.0036
#1	1.0773	1.2636	1.6074	1.597	10.46	15.45	1.3556

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0806	60.31	1.527	1.105	1.4085	8.172	1.463
SDev	1.0626	1.26	1.006	1.704	1.5729	1.204	1.400
%RSD	77.67	1.4334	1.3897	63.82	140.2	2.496	27.33

#1	1.1248	60.49	1.523	1.6054	1.0034	8.028	1.746
#2	1.0363	60.17	1.531	1.601	1.8136	8.316	1.181

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.2775	1.541	1.7268	1.876	1.7263	1.1857	175.8
SDev	1.0203	1.022	1.1180	1.068	1.0705	1.8946	26.6
%RSD	7.520	1.607	16.24	3.621	9.711	481.7	15.14

#1	1.2631	1.326	1.8103	1.828	1.7762	1.4468	156.9
#2	1.2918	1.556	1.6434	1.924	1.6764	1.8183	194.6

Elem	K_7664
Units	ppm
Avg	58.03
SDev	3.06
%RSD	5.280

#1	55.86
#2	60.20

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	571.050	--	--	--	--	--	--
Avg	46953	--	--	--	--	--	--
SDev	1.463267	--	--	--	--	--	--
%RSD	1.0031591	--	--	--	--	--	--
#1	46957	--	--	--	--	--	--
#2	46954	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100287-1 x10 Operator: SD

Run Time: 10/31/00 14:01:46

Comment:

Mode: CONC Corr. Factor: 10

Elem	Ag3280	Al3082	As1890	h_2496	ba4934	be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0039	1.2581	1.3274	6.978	1.0257	1.0199	1845
SDev	1.0037	1.0135	1.0176	1.012	1.0001	1.0000	1.0022
%RSD	96.23	3.214	3.566	1.777	1.2898	1.0814	1.207

#1	1.0065	1.2486	1.3398	6.969	1.0257	1.0199	1.630
#2	1.0012	1.2677	1.3150	6.987	1.0258	1.0199	1.861

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2376
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0054	1.3401	4.061	16.33	72.33	1.0592	1.979

%RSD	6.212	1.601	1.4210	1.2688	1.5474	58.129	1.2096
#1	1.0057	1.3397	4.1049	16.138	72.107	1.0431	1.1976
#2	1.0052	1.5405	4.1073	16.137	72.163	1.0752	1.1982
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.635	654.0	1.1748	1.4948	1.5486	11.22	1.2709
SDev	0.027	5.15	1.0103	1.0061	1.0277	1.38	1.0239
%RSD	1.674	1.5001	5.910	1.230	5.056	3.384	8.830

#1	1.616	651.6	1.1675	1.4905	1.5290	10.96	1.2540
#2	1.634	656.3	1.1821	1.4991	1.5682	11.49	1.2879

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.530	1.2563	1.5188	1.1002	8.580	1.5906	1.3981
SDev	1.0018	1.0044	1.0107	1.0101	1.0042	1.0437	1.5
%RSD	1.201	1.716	3.372	10.10	1.4902	11.19	1.6624

#1	1.1517	1.2537	1.3117	1.0930	1.8610	1.3597	1.4021
#2	1.1543	1.2594	1.3264	1.1073	1.8550	1.4215	1.5951

Elem	K_7664
Units	ppm
Avg	5.787
SDev	1.334
%RSD	8.827

#1	5.550
#2	4.023

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avg	44869	--	--	--	--	--	--
SDev	47.76567	--	--	--	--	--	--
%RSD	1.064563	--	--	--	--	--	--
#1	44905	--	--	--	--	--	--
#2	44835	--	--	--	--	--	--

Method: ICP4RI Sample Name: A100287-1-S1 x10 Operator: SD
 Run Time: 10/31/00 14:07:02
 Comment:
 Mode: CONC Corr. Factor: 10

Elem	Ag5280	Al3082	As1890	K_2496	Ka4934	Ka3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	7.952	56.17	2.425	10.25	10.01	2.098	184.3
SDev	1.007	1.12	1.011	1.01	1.03	1.008	1.7
%RSD	0.127	3.212	44.55	0.685	1.2920	1.3810	1.5930
#1	7.953	56.25	2.417	10.24	10.05	2.097	183.8

YSIS Report

10/31/00 02:12:10 PM

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Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.9458	2.034	4.629	6.772	67.78	168.2	2.824
SDev	1.0046	1.007	1.015	1.018	1.25	1.4	1.005
%RSD	1.4811	1.5587	1.5288	1.2732	1.3322	1.2442	1.1790
#1	1.9426	2.030	4.618	6.785	67.62	167.9	2.820
#2	1.9490	2.039	4.640	6.759	67.93	168.5	2.827

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Sr2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.841	274.8	9.143	8.303	2.790	9.857	4.521
SDev	0.023	1.3	1.034	1.037	1.049	1.051	1.067
%RSD	1.8230	1.4570	1.5711	1.4492	1.749	1.5139	1.484
#1	2.824	275.9	9.119	8.277	2.755	9.893	4.474
#2	2.857	275.7	9.167	8.330	2.824	9.821	4.568

Elem	V_2924	Zn2062	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.046	9.835	9.224	9.099	3.068	2.648	222.3
SDev	1.010	1.082	1.030	1.036	1.016	1.065	1.5
%RSD	1.4890	1.571	1.5260	1.5940	1.5075	2.470	1.2381
#1	2.039	9.777	9.202	9.074	3.057	2.602	221.9
#2	2.053	9.893	9.245	9.124	3.079	2.694	222.7

Elem	K_7664
Units	ppm
Avgc	180.3
SDev	1.7
%RSD	1.5869
#1	180.8
#2	179.8

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavelength	371.050	--	--	--	--	--	--
Avgc	46752	--	--	--	--	--	--
SDev	125.2270	--	--	--	--	--	--
%RSD	1.2678520	--	--	--	--	--	--
#1	46841	--	--	--	--	--	--
#2	46664	--	--	--	--	--	--

Mode: CAP481 Sample Name: A100287-1-82 X10 Operator: SD
 Run Time: 10/31/00 14:12:11
 Comments:
 Mode: FUNC Conc. Factor: 10

Elem	As3280	As3082	As1890	As_2498	As4954	As3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	1.000	1.007	1.063	1.103	1.003	1.002	1.011
%RSD	1.0026	1.1760	2.546	1.2254	1.0308	1.0895	1.0621
#1	7.646	37.12	2.426	13.75	9.949	2.089	182.5
#2	7.645	37.03	2.515	13.71	9.945	2.092	182.6
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.9396	2.179	5.777	15.03	98.37	167.2	3.602
SDev	1.0019	1.005	1.005	1.101	1.127	1.110	1.003
%RSD	1.1999	1.2197	1.0808	1.0495	1.2270	1.0263	1.0714

#1	1.9355	2.182	5.774	15.04	98.21	167.2	3.600
#2	1.9410	2.176	5.781	15.03	98.52	167.2	3.604

Elem	Mo2070	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	5.257	540.4	9.245	8.374	2.822	13.31	4.885
SDev	0.012	1.110	0.007	0.019	0.075	0.118	0.041
%RSD	1.5817	1.1774	1.0777	1.2244	2.767	1.322	1.8365

#1	5.229	541.1	9.248	8.387	2.767	13.19	4.914
#2	5.246	539.7	9.238	8.360	2.877	13.44	4.856

Elem	V_2924	Zn2062	Zn20571	Zn20572	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.114	9.982	9.410	9.157	3.131	2.665	1105.
SDev	1.003	1.001	1.010	1.005	1.062	1.086	1.111
%RSD	1.1524	1.0133	1.1013	1.0598	1.1966	3.241	1.0869

#1	2.116	9.981	9.417	9.161	3.088	2.604	1106.
#2	2.111	9.983	9.404	9.153	3.175	2.726	1105.

Elem	K_7664
Units	ppm
Avg	224.6
SDev	0.15
%RSD	1.2398

#1	225.2
#2	224.4

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	5711.050	--	--	--	--	--	--
Avg	46118	--	--	--	--	--	--
SDev	50.48902	--	--	--	--	--	--
%RSD	1.094778	--	--	--	--	--	--
#1	46083	--	--	--	--	--	--
#2	46154	--	--	--	--	--	--

Method: ICP-AES Sample Name: CUBA Operator: SP
 Run Time: 10/31/00 14:17:32
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3750	Al3082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0009	-1.0058	H.0072	0.0050	1.0012	-1.0000	1.0106
Stdev	1.0007	1.0012	1.0005	1.0012	1.0004	1.0001	1.0092
%RSD	22.36	21.52	7.274	23.58	31.68	252.7	86.98
#1	1.0008	-1.0067	H.0069	1.0058	1.0015	1.0000	1.0171
#2	1.0011	-1.0049	H.0076	1.0041	1.0010	-1.0001	1.0041
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	-1.0000	1.0040	1.0000	1.0050	1.0010	1.5000
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0001	1.0002	1.0004	1.0023	1.0109	1.0122	1.0002
Stdev	1.0001	1.0002	1.0005	1.0007	1.0007	1.0057	1.0001
%RSD	75.93	88.52	112.6	7.056	1.669	46.94	45.94
#1	-1.0001	1.0001	1.0001	1.0024	1.0107	1.0162	1.0005
#2	-1.0000	1.0004	1.0008	1.0022	1.0110	1.0081	1.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0020	H.0705	H.0043	-1.0053	H.0118	1.0472	1.0012
Stdev	1.0003	1.0280	1.0009	1.0031	1.0035	1.0008	1.0022
%RSD	17.49	39.77	21.25	38.13	29.55	1.796	183.1
#1	1.0022	H.0903	H.0049	-1.0075	H.0143	1.0478	1.0028
#2	1.0017	H.0506	H.0036	-1.0031	1.0093	1.0466	-1.0004
Errors	LC Pass	LC High	LC High	LC Pass	LC High	LC Pass	LC Pass
High	1.0050	1.0050	1.0050	1.0100	1.0100	1.1000	1.0100
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.1000	-1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20377	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	1.0022	1.0009	1.0057	1.0145	1.0101	1.5737
Stdev	1.0003	1.0003	1.0037	1.0007	1.0041	1.0032	1.0665
%RSD	121.3	14.87	357.9	4.198	78.49	31.25	17.78
#1	1.0000	1.0024	1.0037	1.0055	1.0174	1.0174	1.3268
#2	1.0004	1.0020	-1.0013	1.0059	1.0116	1.0079	1.4207
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Units ppm
 Avge 11995
 SDev 10096
 %RSD 4.795

#1 11927
 #2 12065

Errors LC Pass
 High 15000
 Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47534	--	--	--	--	--	--
SDev	115.1012	--	--	--	--	--	--
%RSD	.2379356	--	--	--	--	--	--
#1	47614	--	--	--	--	--	--
#2	47454	--	--	--	--	--	--

Code: ICAP4HI Sample Name: CCV8 Operator: SD
 Run Time: 10/31/00 14:22:41
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	14926	-10093	2.495	2.251	2.456	2.505	-1.0118
SDev	10001	10011	1005	1010	1005	1004	10009
%RSD	0197	11.71	1.948	4.503	1.868	1.681	7.645
#1	14926	-10101	2.492	2.244	2.455	2.508	-1.0112
#2	14927	-10085	2.498	2.258	2.459	2.502	-1.0125

Errors LC Pass NUCHECK LC Pass LC Pass LC Pass LC Pass LC Pass NOCHECK
 High 15250 2.625 2.750 2.625 2.675
 Low 14750 2.375 2.250 2.375 2.575

Elem	cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.418	2.485	2.504	2.450	1.955	-1.0098	2.487
SDev	1002	1004	1004	1005	10029	10015	1005
%RSD	1027	1.666	1.567	1.2036	1.465	13.57	1.120
#1	2.420	2.485	2.507	2.447	1.975	-1.0089	2.489
#2	2.416	2.482	2.501	2.454	1.955	-1.0108	2.485

Errors LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
 High 2.625 2.625 2.625 2.625 2.625 2.625
 Low 2.375 2.375 2.375 2.375 2.375 2.375

Elem	Mo2070	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.016	.000	.003	.007	.021	.0003	.001
%RSD	.6487	.0120	.1211	.2870	.8217	.1415	.0450
#1	2.490	2.293	2.452	2.477	2.523	2.2022	2.461
#2	2.515	2.294	2.448	2.487	2.552	2.2018	2.459

Errors	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2703/1	2703/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.475	2.524	2.454	2.448	2.501	2.556	50.50
SDev	.002	.008	.006	.001	.003	.030	.12
%RSD	.0692	.3089	.2433	.0599	.1365	1.157	.2331

#1	2.476	2.530	2.458	2.449	2.498	2.535	50.42
#2	2.473	2.519	2.450	2.447	2.503	2.577	50.59

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	24.63
SDev	.04
%RSD	.1592

#1	24.61
#2	24.66

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	46783	--	--	--	--	--	--
SDev	83.40546	--	--	--	--	--	--
%RSD	.1782832	--	--	--	--	--	--
#1	46724	--	--	--	--	--	--
#2	46542	--	--	--	--	--	--

Operator: SD

Time: 10/31/00 14:28:00

Comment: Code: CUNC Corr Factor: 1

Elem	Ag5780	As15082	As1890	Bi_2496	Bi4934	Bi3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0012	49.36	.0178	.0110	.0022	.0031	50.28

%RSD	62.13	.0854	44.87	25.49	74.01	49.86	.1165
#1	.0018	49.53	.0234	.0150	.0034	.0042	50.32
#2	.0007	49.39	.0121	.0090	.0011	.0020	50.24
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2765	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0036	.0038	.0144	.0038	50.35	50.29	.0075
SDev	.0014	.0015	.0021	.0018	.05	.04	.0016
%RSD	39.49	40.81	14.52	47.03	.0989	.0848	20.75
#1	.0046	.0048	.0159	.0050	50.39	50.32	.0086
#2	.0026	.0027	.0129	.0025	50.32	50.26	.0064
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0215	.0081	.0034	.0048	.0285	85.78	.0010
SDev	.0084	.0022	.0006	.0021	.0117	.13	.0041
%RSD	38.78	26.63	16.82	44.29	40.95	.1521	427.1
#1	.0275	.0096	.0038	.0063	.0368	85.69	.0020
#2	.0136	.0066	.0030	.0033	.0203	85.87	.0039
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						47.00	
Elem	V_2924	Zn2062	Zn2037	Zn2037	Zn1960	Zn1960	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0046	.0041	.0208	.0057	.0360	.0246	.1225
SDev	.0022	.0010	.0017	.0000	.0115	.0117	.5131
%RSD	47.88	25.64	8.352	.3804	32.01	47.83	255.6
#1	.0061	.0048	.0220	.0057	.0442	.0329	.3438
#2	.0030	.0034	.0195	.0057	.0279	.0165	.0989
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
Units	ppm						
Avg	.2083						
SDev	.0496						
%RSD	23.83						
#1	.2434						
#2	.1737						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avgc	45785	--	--	--	--	--	--
SDev	118.5451	--	--	--	--	--	--
%RSD	.2589211	--	--	--	--	--	--
#1	45707	--	--	--	--	--	--
#2	45869	--	--	--	--	--	--

ANALYSIS REPORT

10/31/00 02:54:08 PM

page

Method: ICP4RI Sample Name: CCB1

Operator: SD

Run Time: 10/31/00 14:48:59

Comment:

Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0060	.0004	.0005	.0000	.0003	.0142
Stdev	.0003	.0005	.0013	.0015	.0000	.0000	.0006
%RSD	124.8	8.765	330.4	267.6	53.44	3.189	4.503
#1	.0005	.0057	.0013	.0014	.0000	.0003	.0137
#2	.0000	.0064	.0005	.0004	.0000	.0003	.0146

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0002	.0007	.0003	.0023	.0077	.0002
Stdev	.0001	.0001	.0006	.0002	.0005	.0014	.0001
%RSD	85.08	51.04	94.54	56.42	22.83	18.58	29.43
#1	.0000	.0002	.0002	.0002	.0027	.0067	.0002
#2	.0002	.0003	.0011	.0004	.0019	.0085	.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0005	.0007	.0019	.0016	.0024	.0327	.0003
Stdev	.0005	.0000	.0008	.0070	.0002	.0033	.0030
%RSD	53.28	1.988	42.11	445.2	7.474	10.11	1124.
#1	.0003	.0007	.0025	.0034	.0023	.0350	.0024
#2	.0007	.0007	.0014	.0068	.0025	.0303	.0018

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0050	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Z20371	Z20372	1960/1	1960/2	Na3502
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0001	.0010	.0017	.0035	.0043	.0011	.0756
Stdev	.0003	.0000	.0017	.0006	.0027	.0016	.2462
%RSD	235.4	4.253	89.20	17.82	63.94	142.8	325.9
#1	.0001	.0011	.0009	.0039	.0062	.0000	.2497
#2	.0004	.0010	.0026	.0030	.0023	.0023	.0986

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Units ppm
 Avge 11353
 SDev 10427
 %RSD 51.21

#1 11652
 #2 11055

Errors LC Pass
 High 15000
 Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47035	--	--	--	--	--	--
SDev	185.3390	--	--	--	--	--	--
%RSD	.4004208	--	--	--	--	--	--
#1	46902	--	--	--	--	--	--
#2	47168	--	--	--	--	--	--

Method: ICP-AES Sample Name: RLK A0008851CP1 Operator: SD

Run Time: 10/31/00 14:54:15

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B12496	Ba4954	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0005	1.0010	1.0007	1.0005	1.0000	1.0003	1.0047
SDev	1.0000	1.0015	1.0004	1.0005	1.0000	1.0000	1.0000
%RSD	9.221	131.7	58.89	111.2	136.6	2.658	12993
#1	1.0005	1.0018	1.0010	1.0001	1.0000	1.0005	1.0047
#2	1.0005	1.0001	1.0004	1.0005	1.0000	1.0003	1.0046

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0050	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0002	1.0001	1.0002	1.0001	1.0037	1.0029	1.0001
SDev	1.0001	1.0005	1.0002	1.0000	1.0019	1.0019	1.0000
%RSD	55.86	213.5	137.5	25.86	51.40	63.43	10418
#1	1.0001	1.0005	1.0000	1.0001	1.0024	1.0016	1.0001
#2	1.0005	1.0001	1.0003	1.0001	1.0051	1.0042	1.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mn2020	Ni2316	Pb2205	Sb2068	Se1960	Si2581	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	1.0001	1.0000	1.0007	1.0014	1.0007	1.0029	1.0031
%RSD	8.886	1.2260	10.73	81.60	31.69	21.76	1554
#1	-1.0010	-1.0001	1.0021	-1.0007	1.0028	1.0153	1.0020
#2	-1.0009	-1.0001	1.0018	-1.0028	1.0018	1.0112	-1.0024

Errors	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0050	-0.0100	-0.0100	-1.0000	-1.0100

Elem	V_2974	Zn2067	220371	220372	196073	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0006	1.0005	1.0025	1.0053	1.0005	1.1890
SDev	1.0002	1.0001	1.0004	1.0001	1.0015	1.0003	1.0338
%RSD	222.0	25.58	72.69	4.857	28.70	66.11	17.90

#1	-1.0000	1.0005	1.0008	1.0024	1.0064	1.0008	1.1651
#2	1.0002	1.0007	1.0003	1.0022	1.0047	1.0003	1.2129

Errors	IC Pass	IC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	IC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0000					-1.5000

Elem	K_7664
Units	ppm
Avg	1.2015
SDev	1.0078
%RSD	3.891

#1	1.1959
#2	1.2070

Errors	IC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Waven	571.03v	---	---	---	---	---	---
Avg	49109	---	---	---	---	---	---
SDev	16.0866E	---	---	---	---	---	---
%RSD	1.0327571	---	---	---	---	---	---
#1	4909E	---	---	---	---	---	---
#2	49120	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100223-5 Operator: SD

Acq Time: 10/31/00 14:59:25

Comment:

Mode: CONC Conc. Factor: 1

Elem	Ag5280	Al3082	As1690	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0085	2.975	1.0905	444.05	1.0441	1.0031	4499.5

%RSD	19.56	1.688	1.9915	1.3854	1.2955	2.116	1.091
#1	L-1.0094	2.969	L-1.0899	H43.91	1.0440	1.0030	H495.4
#2	L-1.0071	2.976	L-1.0912	H44.15	1.0442	1.0031	H503.1
Errors	LC Low	LC Pass	LC Low	LC High	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0035	-1.0018	1.2860	1.1752	3.789	9.165	1.4104
SDev	1.0003	1.0011	1.0015	1.0000	1.065	1.106	1.0026
%RSD	10.26	62.25	1.4456	1.0000	1.651	1.156	1.6367
#1	1.0031	L-1.0026	1.2851	1.1752	3.745	9.088	1.4085
#2	1.0036	-1.0010	1.2869	1.1752	3.833	9.238	1.4122
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H27.36	1.2081	L-1.0067	1.2735	1.3316	21.72	L-1.0535
SDev	1.121	1.0026	1.0014	1.0023	1.0085	1.101	1.0031
%RSD	1.7635	1.228	21.32	1.8380	2.559	1.0507	5.782
#1	H27.21	1.2063	L-1.0077	1.2719	1.3258	21.72	L-1.0555
#2	H27.51	1.2099	L-1.0057	1.2751	1.3378	21.73	L-1.0511
Errors	LC High	LC Pass	LC Low	LC Pass	LC Pass	LC Pass	LC Low
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0090	1.0534	-1.0004	-1.0101	1.3390	1.3278	H2320.
SDev	1.0004	1.0015	1.0106	1.0074	1.0032	1.0143	1.0000
%RSD	4.917	2.451	2500.	75.34	1.9278	4.366	1.2692
#1	1.0093	1.0525	1.0071	-1.0154	1.3412	1.3177	H2325.
#2	1.0067	1.0545	-1.0079	-1.0049	1.3368	1.3380	H2316.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	H438.1						
SDev	4.15						
%RSD	1.9901						
#1	H441.1						
#2	H435.0						

Errors LC High
High 50.00
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	571.030	--	--	--	--	--	--
Avgc	39967	--	--	--	--	--	--
SDcv	569.9640	--	--	--	--	--	--
%RSD	1.426098	--	--	--	--	--	--
#1	39564	--	--	--	--	--	--
#2	40370	--	--	--	--	--	--

Method: ICP4HT Sample Name: A100223-6 Operator: SD
 Run Time: 10/31/00 15:04:43
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag5250	Al3082	As1690	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	10608	10.90	1-0585	H47.78	15754	10082	H541.3
SDcv	10011	1.09	10013	1.05	10003	10001	81.0
%RSD	1.873	1.8609	21.147	1.109	0.592	1.7726	1.472
#1	10616	10.97	1-10576	H47.75	15893	10082	H535.7
#2	10600	10.84	1-10594	H47.82	15752	10083	H546.9

Errors LC Pass LC Pass LC Low LC High LC Pass LC Pass LC High
 High 1.000 100.0 3.000 3.000 3.000 3.000 100.0
 Low -1.0050 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cu2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	10179	10506	H5.169	4.349	51.21	67.67	H28.10
SDcv	10002	10002	1048	1041	1.48	1.87	1.24
%RSD	1.216	1.5112	1.9314	1.9477	1.9470	1.284	1.8571
#1	10178	10505	H5.135	4.378	50.87	67.06	H27.95
#2	10181	10508	H5.203	4.319	51.56	68.29	H28.27

Errors LC Pass LC Pass LC High LC Pass LC Pass LC Pass LC High
 High 3.000 3.000 3.000 3.000 100.0 100.0 3.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	H19.63	3.348	1.4422	1.5188	H6.646	71.75	-10049
SDcv	1.16	1.044	10016	10062	1.060	1.07	1.0058
%RSD	1.8400	1.305	1.734	1.191	1.9020	1.0926	1.19.4
#1	H19.52	3.317	1.4411	1.5232	H6.604	71.80	-10090
#2	H19.75	3.379	1.4434	1.5144	H6.688	71.71	-10008

Errors LC High LC Pass LC Pass LC Pass LC High LC Pass LC Pass

LOW	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2974	Zn2062	Z20371	Z20372	196071	196072	Na5302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.0260	4.525	1.4658	1.4301	6.605	6.666	H2764
SDev	0.014	0.088	0.0152	0.0050	0.039	0.070	12
%RSD	5.350	1.957	3.258	1.175	1.5928	1.053	1.4448

#1	1.0251	4.465	1.4551	1.4357	6.578	6.616	H2773
#2	1.0270	4.587	1.4765	1.4265	6.633	6.716	H2756

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avgc	H588.2
SDev	4.2
%RSD	1.7085

#1	H591.1
#2	H585.2

Errors	LC High
High	50.00
Low	-1.5000

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wav Len	371.030	--	--	--	--	--	--
Avgc	38859	--	--	--	--	--	--
SDev	5.960903	--	--	--	--	--	--
%RSD	10.101929	--	--	--	--	--	--
#1	38862	--	--	--	--	--	--
#2	38857	--	--	--	--	--	--

Method: ICP-AES Sample Name: BIK A0008736CP1 Operator: SD
 Run Time: 10/31/00 15:09:58
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag5280	Al3082	As1890	B_2496	Ba4934	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0002	1.0019	-1.0009	1.0744	0.0006	-1.0003	1.4682
SDev	1.0017	1.0011	1.0037	1.0196	1.0000	1.0000	1.2199
Z	384.0	37.22	395.2	26.54	2.823	7.138	46.96
#1	-1.0011	1.0011	-1.0035	1.0885	1.0006	-1.0003	1.6257
#2	1.0006	1.0026	1.0017	1.0605	0.0006	-1.0003	1.3127

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0050	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avg	.0003	.0001	.0030	.0028	.0607	.0387	.0199
SDev	.0001	.0006	.0012	.0006	.0060	.0138	.0100
%RSD	43.81	541.9	40.20	22.96	9.904	35.63	50.40
#1	.0002	-.0003	.0039	.0032	.0650	.0484	.0270
#2	.0004	.0005	.0027	.0025	.0565	.0289	.0128

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	oem	oem	oem	oem	oem	oem	oem
Avg	.1400	.0028	.0054	-.0022	.0417	.1268	.0008
SDev	.0453	.0004	.0001	.0038	.0127	.0163	.0024
%RSD	32.36	15.81	2.714	173.9	30.46	12.83	299.4
#1	.1720	.0024	.0053	-.0049	.0507	.1383	.0025
#2	.1079	.0051	.0055	.0005	.0327	.1153	-.0009

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2067	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avg	-.0001	1.067	.0050	.0053	.0412	.0417	7.219
SDev	.0005	.009	.0004	.0004	.0125	.0128	3.167
%RSD	402.0	.8780	8.852	8.245	30.35	30.61	43.88
#1	-.0005	1.060	.0053	.0050	.0500	.0507	9.458
#2	.0002	1.073	.0047	.0056	.0324	.0327	4.979

Errors	LC Pass	LC Pass	NUCHECK	NUCHECK	NUCHECK	NUCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	oem
Avg	.7376
SDev	.2355
%RSD	31.93
#1	.9042
#2	.5711

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem		--	--	--	--	--	--

Avge	49982	--	--	--	--	--	--
SDev	249.9623	--	--	--	--	--	--
%RSD	1.5001000	--	--	--	--	--	--
#1	50159	--	--	--	--	--	--
#2	49806	--	--	--	--	--	--

Method: JCAP4HJ Sample Name: A100441-3 X2 GAI Operator: SP
 Run Time: 10/31/00 15:15:13
 Comment:
 Code: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0016	1.022	1.0113	1.282	1.0821	1.0005	190.4
SDev	1.0003	1.0064	1.0014	1.005	1.0003	1.0000	1.6
%RSD	18.76	6.227	12.69	1.5824	1.5646	5.514	1.5220
#1	1.0018	1.067	1.0107	1.285	1.0823	1.0005	190.0
#2	1.0014	1.0977	1.0123	1.278	1.0819	1.0005	190.8

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0003	1.0058	1.0037	1.0020	1.8107	130.1	2.396
SDev	1.0001	1.0001	1.0019	1.0009	1.0188	1.5	1.003
%RSD	40.60	3.757	51.10	43.16	2.314	1.6480	1.1191
#1	1.0002	1.0039	1.0024	1.0027	1.8240	129.8	2.396
#2	1.0004	1.0037	1.0051	1.0014	1.7974	130.4	2.400

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0899	1.0117	1.0061	1.0039	1.0227	35.14	1.0052
SDev	1.0107	1.0007	1.0021	1.0083	1.0064	1.03	1.0036
%RSD	11.85	1.813	54.31	209.6	28.27	1.0810	69.80
#1	1.0974	1.0113	1.0076	1.0098	1.0273	35.17	1.0078
#2	1.0824	1.0118	1.0046	1.0019	1.0182	35.12	1.0026

Elem	V_2924	Zn2067	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0039	1.0190	1.0077	1.0100	1.0263	1.0205	343.2
SDev	1.0013	1.0010	1.0107	1.0085	1.0020	1.0087	1.0
%RSD	40.00	5.514	400.4	85.27	7.451	42.47	1.2918
#1	1.0028	1.0198	1.0103	1.0160	1.0277	1.0266	343.9
#2	1.0049	1.0183	1.0049	1.0040	1.0249	1.0145	342.4

Elem	K_7664
Units	ppm
Avge	13.65
SDev	1.15
%RSD	1.123
#1	13.75
#2	13.57

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem		--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--
Avgc	45795	--	--	--	--	--	--
SDcv	164.5791	--	--	--	--	--	--
%RSD	0.3593503	--	--	--	--	--	--
#1	45915	--	--	--	--	--	--
#2	45653	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100441-4 X2 Operator: SP
 Run Time: 10/31/00 15:20:28
 Comment:
 Mode: CONC Corr. Factor: 2

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0018	0.1959	0.0139	1.311	0.0786	-0.0006	166.8
SDcv	0.0007	0.0057	0.0047	0.002	0.0001	0.0000	0.1
%RSD	3.947	2.652	33.86	0.1763	0.0741	6.096	0.0842

	0.0019	0.1927	0.0106	1.309	0.0786	-0.0006	166.9
#2	0.0017	0.1996	0.0172	1.312	0.0786	-0.0005	166.7

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-0.0001	0.0027	0.0025	0.0025	0.8960	117.6	2.035
SDcv	0.0000	0.0001	0.0002	0.0004	0.0053	0.2	0.001
%RSD	22.47	3.972	8.785	17.62	0.5934	0.1441	0.0323

#1	-0.0002	0.0026	0.0027	0.0028	0.8998	117.7	2.036
#2	-0.0001	0.0027	0.0024	0.0027	0.8927	117.4	2.035

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0497	0.0088	0.0070	0.0028	0.0100	33.93	0.0144
SDcv	0.0016	0.0011	0.0050	0.0039	0.0010	0.02	0.0015
%RSD	3.631	12.43	71.55	140.1	9.924	0.0566	10.54

#1	0.0446	0.0080	0.0105	0.0056	0.0107	33.94	0.0155
#2	0.0484	0.0095	0.0035	0.0000	0.0093	33.91	0.0133

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr196071	Zr196072	Na3307
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0046	0.0228	0.0005	0.0099	0.0143	0.0074	346.4
SDcv	0.0003	0.0003	0.0005	0.0073	0.0024	0.0026	0.1
%RSD	6.168	1.179	185.1	74.07	16.62	35.65	0.0237

#1	0.0044	0.0226	0.0006	0.0150	0.0126	0.0092	346.3
#2	0.0048	0.0230	-0.0001	0.0047	0.0159	0.0055	346.3

Elem	K_7664
Units	ppm
Avgc	11.81

%RSD 1.4703

#1 11.85

#2 11.77

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avge	45648	--	--	--	--	--	--
SDev	205.434	--	--	--	--	--	--
%RSD	1.4456543	--	--	--	--	--	--
#1	45505	--	--	--	--	--	--
#2	45792	--	--	--	--	--	--

Method: ICP4HJ Sample Name: CCB1

Operator: SD

Run Time: 10/31/00 15:25:43

Comment:

Code: DDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0001	-0.0099	-0.0005	0.0245	0.0000	-0.0003	0.0366
SDev	0.0007	0.0061	0.0030	0.0015	0.0001	0.0000	0.0159
%RSD	0.3341	61.64	1186.1	5.277	309.1	11.69	43.40

#1	-0.0004	-0.0145	-0.0024	0.0236	-0.0000	-0.0005	0.0478
#2	0.0005	-0.0056	0.0019	0.0255	0.0001	-0.0003	0.0254

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0000	0.0040	0.0000	0.0050	0.0010	0.5000
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-0.0000	0.0003	-0.0002	-0.0009	0.0046	0.0223	0.0005
SDev	0.0007	0.0005	0.0005	0.0006	0.0108	0.0057	0.0001
%RSD	1521.1	175.0	246.5	63.54	236.4	23.29	20.68

#1	-0.0002	-0.0001	-0.0006	-0.0015	-0.0031	0.0260	0.0006
#2	0.0001	0.0006	0.0001	-0.0005	0.0127	0.0187	0.0004

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	0.0132	-0.0001	0.0037	-0.0015	0.0027	0.0224	0.0012
SDev	0.0007	0.0000	0.0012	0.0026	0.0024	0.0007	0.0007
%RSD	5.400	70.26	33.34	196.6	89.40	3.221	59.07

#1	0.0132	-0.0001	0.0046	-0.0051	0.0045	0.0219	0.0007
#2	0.0127	-0.0000	0.0028	0.0005	0.0010	0.0229	0.0017

Analysis Report

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High	1.0050	1.0050	1.0030	1.0100	1.0100	1.000	1.0100
Low	- 0.0050	- 0.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0000	1.0024	1.0011	1.0047	1.0085	-1.0004	H.7743
SDev	0.0005	1.0001	1.0011	1.0013	1.0018	1.0046	1.0539
%RSD	1675.	2.553	102.2	27.57	21.18	1197.	6.959

#1	- 0.0003	1.0074	1.0019	1.0056	0.0073	1.0029	H.7362
#2	1.0004	1.0025	1.0005	1.0038	1.0098	-1.0036	H.8124

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	1.0020	1.0200					1.5000
Low	- 1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	-1.0447
SDev	0.0148
%RSD	35.45

#1	- 0.0546
#2	-1.0337

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	3711.050	--	--	--	--	--	--
Avg	47264	--	--	--	--	--	--
SDev	269.7612	--	--	--	--	--	--
%RSD	0.5707584	--	--	--	--	--	--
#1	47454	--	--	--	--	--	--
#2	47075	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100547-16-50 876101 Operator: SD

Run Time: 10/31/00 15:30:59

Comments:

Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0581	- 2260	1.2720	3.761	1.0222	- 0.0562	1.7985
SDev	1.1257	1.1727	1.3522	1.468	1.0028	1.0016	1.9175
%RSD	525.1	78.47	124.0	12.45	12.45	2.888	114.9

#1	-1.0494	-1.3422	1.5105	4.092	1.0202	-1.0574	1.447
#2	1.1256	-1.0980	1.0336	3.430	1.0241	-1.0551	1.1496

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0066	0.0692	-0.0821	-0.1441	2.412	-0.2891	0.0040
SDev	0.0208	0.0574	0.0937	0.0480	0.381	0.5862	0.0059
%RSD	313.1	82.85	114.1	33.33	15.78	202.7	147.3
#1	-0.0214	0.0287	-0.0158	-0.1781	2.143	-0.7036	0.0082
#2	0.0081	0.1098	-0.1485	-0.1102	2.681	0.1254	-0.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-0.2000	-1.000	-0.6000	-2.000	-10.00	-10.00	-0.6000
Elem	Mn2070	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.712	-0.1578	0.5116	0.8337	0.1567	1.683	-0.0440
SDev	0.305	0.0870	0.0537	0.4112	0.0272	0.436	0.9621
%RSD	17.84	55.12	10.49	49.36	17.37	25.92	2187
#1	1.928	-0.0963	0.4736	0.5424	0.1375	1.374	0.6363
#2	1.496	-0.2193	0.5495	1.124	0.1759	1.991	-0.7243
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-0.6000	-0.8000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2067	Zn2037/1	Zn2037/2	Zn1960/1	Zn1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0497	0.5425	-0.3929	0.9015	0.4791	-0.0482	67.19
SDev	0.1167	0.1630	0.1522	0.6570	0.9595	0.3209	88.90
%RSD	237.7	30.04	293.3	72.90	200.5	1081.	132.5
#1	0.0333	0.6577	0.4218	0.4367	0.1158	-0.4165	130.1
#2	-0.1317	0.4275	-0.208	1.366	-0.1994	0.3201	4.324
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000	1000.					
Low	-4000	-4.000					
Elem	K_7664						
Units	ppm						
Avg	-6.676						
SDev	9.862						
%RSD	147.7						
#1	0.2969						
#2	-13.65						
Errors	NOCHECK						
High							
Low							
UnitSta	1	2	3	4	5	6	7
mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

Wavelength	371.050	--	--	--	--	--	--
Avg	48052	--	--	--	--	--	--
SDev	578.6557	--	--	--	--	--	--
%RSD	.7880148	--	--	--	--	--	--
#1	47784	--	--	--	--	--	--
#2	48320	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100547-18-11 3050 Operator: S
 Run Time: 10/31/00 15:36:15
 Comment:
 Code: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	18.29	186.9	20.58	93.24	91.95	21.63	1044.
SDev	.30	2.5	.17	.92	.91	.22	10.
%RSD	1.638	1.209	.8458	.9887	.9856	1.021	.9784
#1	18.50	188.5	20.70	93.89	92.59	21.79	1051.
#2	18.08	185.3	20.46	92.59	91.31	21.47	1037.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Co2265	Co2286	Cr2677	Co3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.87	21.09	21.92	18.40	207.6	1029.	21.30
SDev	.10	.74	.23	.31	5.1	10.	.23
%RSD	.9371	3.50	1.041	1.670	2.447	.9694	1.040
#1	10.94	21.26	22.08	18.62	211.2	1036.	21.45
#2	10.80	20.92	21.76	18.18	204.0	1022.	21.14

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.74	20.34	109.1	18.65	20.27	76.08	100.7
SDev	.08	.20	1.1	.24	.58	1.87	2.1
%RSD	.3959	.9904	1.037	1.272	2.850	2.457	2.063
#1	20.68	20.48	109.9	18.48	20.68	77.40	102.2
#2	20.80	20.20	108.3	18.82	19.87	74.76	99.25

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	v_2924	Zn2062	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	20.70	118.2	107.5	109.9	19.87	20.43	1041.
SDev	.24	1.5	1.0	1.2	.28	.75	25.

#1	20.87	119.1	108.2	110.7	20.07	20.94	1058.
#2	20.55	117.3	106.7	109.0	19.68	19.91	1025.
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.0000					

Elem K_7664
 Units ppm
 Avge 856.6
 SDev 15.6
 %RSD 1.85

#1 866.2
 #2 847.0

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
m	7	--	--	--	--	--	--
Wavien	371.030	--	--	--	--	--	--
Avge	48074	--	--	--	--	--	--
SDev	131.4141	--	--	--	--	--	--
%RSD	.2733596	--	--	--	--	--	--
#1	47987	--	--	--	--	--	--
#2	48167	--	--	--	--	--	--

Method: ICAP4HI Sample Name: A100547-16-12 X10 Operator: SD
 Run Time: 10/31/00 15:41:50
 Comment:
 Code: CONC Corr. Factor: 200

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	17.69	179.3	20.03	89.92	88.23	20.93	1011.
SDev	1.37	3.9	1.19	1.53	1.60	1.45	21.
%RSD	2.118	2.155	5.924	1.699	1.809	2.163	2.109
#1	17.95	182.0	20.87	91.00	89.36	21.25	1026.
#2	17.42	176.5	19.19	88.64	87.10	20.61	995.7

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 200.0 20000. 1000. 1000. 1000. 1000. 20000.
 Low -1.6000 -20.00 -2.000 -2.000 -6.000 -1.4000 -10.00

Elem	Co2265	Co2286	Cr2677	Cr3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10.55	20.60	21.16	17.67	203.2	999.5	20.60
SDev	1.73	1.41	1.49	1.39	4.5	24.0	1.44
%RSD	2.268	1.978	2.357	2.228	2.196	2.407	2.119

#2	10.57	20.31	20.81	17.39	200.0	982.5	20.29
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-2000	-1000	-10000	-2000	-10.00	-10.00	-10000
Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	opm	opm	opm	opm	opm	opm	opm
Avg	20.57	19.45	106.7	18.14	20.19	74.15	98.80
SDev	1.55	1.55	3.1	1.87	1.15	1.41	3.60
%RSD	1.707	2.815	2.929	4.789	1.7246	1.897	3.659
#1	20.77	19.53	108.4	18.76	20.09	75.15	101.5
#2	20.25	19.06	104.0	17.53	20.29	73.16	96.26
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-10000	-10000	-10000	-3000	-2000	-100.0	-2000
Elem	V_2974	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avg	19.86	114.8	103.7	107.7	19.86	20.30	993.0
SDev	1.54	2.8	1.9	3.7	1.15	1.30	15.3
%RSD	1.707	2.447	1.797	3.473	1.7803	1.463	1.544
#1	20.10	116.8	104.5	110.4	19.97	20.09	1004.
#2	19.67	112.8	101.9	105.1	19.75	20.51	982.8
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-14000	-4000					
Elem	K_7664						
Units	opm						
Avg	818.1						
SDev	11.8						
%RSD	1.437						
#1	826.4						
#2	809.7						
Errors	NOCHECK						
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Sum	Y	--	--	--	--	--	--
Mean	371.030	--	--	--	--	--	--
Avg	47850	--	--	--	--	--	--
SDev	177.202	--	--	--	--	--	--
%RSD	1.3700962	--	--	--	--	--	--
#1	47755	--	--	--	--	--	--
#2	48005	--	--	--	--	--	--

Method: ICP-AES Sample Name: CONC

Operator: SP

Run Time: 10/31/00 15:46:43

Comment:

Code: CONC Corr. Factor: 1

Elem	Hg3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	1.0155	1.0010	1.0112	1.0002	1.0002	1.0080
Stdev	1.0000	1.0015	1.0012	1.0015	1.0001	1.0000	1.0011
RRSD	11.04	9.729	115.0	13.27	46.67	13.79	13.91
#1	1.0002	1.0145	1.0019	1.0122	1.0005	1.0002	1.0072
#2	1.0002	1.0164	1.0002	1.0101	1.0002	1.0003	1.0088
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Low	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	1.0000	1.0006	1.0008	1.0006	1.0069	1.0002
Stdev	1.0000	1.0005	1.0005	1.0007	1.0007	1.0005	1.0000
RRSD	15.75	650.8	93.62	20.42	50.74	4.293	11262
#1	1.0002	1.0002	1.0002	1.0007	1.0007	1.0071	1.0002
#2	1.0002	1.0002	1.0009	1.0010	1.0004	1.0067	1.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Elem	Mo2020	Ni2316	Pb2205	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0054	1.0005	1.0023	1.0040	1.0003	1.0020	1.0022
Stdev	1.0007	1.0005	1.0001	1.0005	1.0008	1.0019	1.0015
RRSD	12.49	92.08	2.864	19.50	222.3	94.84	67.12
#1	1.0058	1.0002	1.0022	1.0034	1.0009	1.0007	1.0032
#2	1.0049	1.0008	1.0023	1.0045	1.0002	1.0034	1.0011
Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0050	1.0030	1.0100	1.0100	1.1000	1.0100
Low	1.0050	1.0050	1.0030	1.0100	1.0100	1.1000	1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na5502
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0022	1.0009	1.0035	1.0042	1.0028	1.171
Stdev	1.0002	1.0002	1.0014	1.0008	1.0025	1.0024	1.1490
RRSD	164.2	9.055	162.2	22.54	59.56	54.50	127.3
#1	1.0000	1.0021	1.0001	1.0030	1.0060	1.0045	1.2225
#2	1.0005	1.0024	1.0018	1.0041	1.0024	1.0011	1.0117
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	1.0020	1.0200					1.5000

Units ppm
 Avge -1.0699
 SDev .10089
 %RSD 12.77

#1 -1.0767
 #2 -1.0656

Errors LC Pass
 High 1.5000
 Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--
Avge	47981	--	--	--	--	--	--
SDev	80.18757	--	--	--	--	--	--
%RSD	1.671243	--	--	--	--	--	--
#1	47924	--	--	--	--	--	--
#2	48038	--	--	--	--	--	--

Code: 10AP4HI Sample Name: COV10 Operator: SD
 Run Time: 10/31/00 13:51:57
 Comment:
 Code: 0000 Corr. Factor: 1

Elem	Ag3750	Al3082	As1890	S_2496	Ba4934	Be5130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4889	-1.0231	H2.629	2.438	L2.290	H2.687	-1.0113
SDev	1.0005	1.0055	1.010	1.007	1.002	1.005	1.0009
%RSD	0607	14.26	15954	1.2759	0884	1.0953	5.041
#1	1.4887	-1.0254	2.622	2.433	L2.291	H2.685	-1.0107
#2	1.4891	-1.0208	H2.637	2.442	L2.288	H2.689	-1.0120

Errors LC Pass NOCHECK LC High LC Pass LC Low LC High NOCHECK
 High 1.5250 2.625 2.750 2.625 2.625 2.625
 Low 1.4750 2.575 2.250 2.575 2.575

Elem	Co2265	Co2286	Cr2677	Co3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	H2.789	H2.699	H2.706	L2.525	1.1997	-1.0169	H2.626
SDev	1.006	1.005	1.003	1.001	1.0071	1.0014	1.002
%RSD	1.2007	1.1857	1.0939	1.0329	5.536	5.459	1.0622
#1	H2.785	H2.695	H2.705	L2.324	1.1947	-1.0179	2.625
#2	H2.792	H2.702	H2.708	L2.525	2.047	-1.0159	H2.627

Errors LC High LC High LC High LC Low NOCHECK NOCHECK LC High
 High 2.625 2.625 2.625 2.625
 Low 2.575 2.575 2.575 2.575

Elem	Ni2070	Ni2316	Pb2703	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.025	.010	.001	.004	.022	.0075	.025
%RSD	.9520	.3716	.0232	.1625	.8496	4.402	.9518

#1	H2.632	H2.626	H2.781	2.506	2.571	.1750	H2.638
#2	H2.668	H2.640	H2.781	2.500	2.602	.1644	H2.674

Errors	LC High	LC High	LC High	LC Pass	LC Pass	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.575	H3.037	2.730	2.806	2.519	2.620	48.95
SDev	.000	.010	.006	.004	.010	.028	.22
%RSD	.0158	.3354	.2051	.1327	.4114	1.060	.4431

#1	2.575	H3.029	2.734	2.804	2.512	2.600	49.10
#2	2.575	H3.044	2.726	2.809	2.526	2.639	48.79

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avg	L23.42
SDev	.08
%RSD	.3417

#1	L23.47
#2	L23.56

Errors	LC Low
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	571.050	--	--	--	--	--	--
Avg	47799	--	--	--	--	--	--
SDev	124.4659	--	--	--	--	--	--
%RSD	.2604503	--	--	--	--	--	--
#1	47710	--	--	--	--	--	--
#2	47687	--	--	--	--	--	--

Code: (CAP4HT) Sample Name: (CV11) Operator: SD
 Date Time: 10/31/00 15:57:11
 Comment:
 Code: (CNC) Corr. Factor: 1

Elem	Ag3280	Al3082	As1690	B_2496	Ba4954	Be3150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0006	47.91	0121	0145	0003	0009	456.23

%RSD	54.37	.0254	15.27	1.495	143.1	56.24	.1757
#1	.0004	47.97	.0155	.0146	.0000	.0013	H56.16
#2	.0008	47.91	.0108	.0143	-.0006	.0005	H56.30
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0009	.0014	.0154	.0000	H54.27	H56.20	.0055
SDev	.0003	.0001	.0001	.0000	.10	.12	.0004
%RSD	34.05	4.840	.6731	5.689	.1932	.2154	7.211
#1	.0011	.0015	.0155	.0000	H54.20	H56.12	.0057
#2	.0007	.0014	.0154	.0001	H54.35	H56.29	.0052
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0237	.0059	.0030	.0039	.0288	86.81	.0025
SDev	.0079	.0001	.0004	.0039	.0066	.01	.0003
%RSD	33.29	1.978	14.11	100.0	22.99	.0122	11.91
#1	.0293	.0058	.0033	.0067	.0334	86.80	.0028
#2	.0181	.0060	.0027	.0012	.0241	86.82	.0025
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2974	Zn2067	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0038	.0038	.0277	-.0097	.0354	.0252	.2199
SDev	.0001	.0000	.0000	.0006	.0042	.0078	.1921
%RSD	2.199	.2970	.0515	6.407	11.99	30.94	87.35
#1	.0038	.0038	.0277	-.0092	.0384	.0307	.0841
#2	.0037	.0038	.0277	-.0101	.0324	.0197	.3557
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
Units	ppm						
Avg	-.0153						
SDev	.0305						
%RSD	166.8						
#1	-.0399						
#2	.0053						

Errors: NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wave	571.030	--	--	--	--	--	--
Avg	46307	--	--	--	--	--	--
SDev	240.8058	--	--	--	--	--	--
RRSD	.5200211	--	--	--	--	--	--
#1	46477	--	--	--	--	--	--
#2	46137	--	--	--	--	--	--

Method: ICP4HT Sample Name: CCB1 Operator: SD
Run Time: 10/31/00 16:02:25
Comment:
Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	0.108	1.0009	1.0054	1.0002	-1.0001	1.0173
SDev	1.0000	1.0092	1.0017	1.0010	1.0000	1.0000	1.0115
RRSD	18.52	64.68	191.9	19.52	16.83	80.48	66.45
#1	1.0002	1.0173	1.0023	1.0061	1.0002	-1.0000	1.0254
#2	1.0002	1.0044	-1.0003	1.0046	1.0002	-1.0001	1.0091

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.1000	1.0040	1.1000	1.0050	1.0010	1.5000
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0006	1.0001	-1.0006	1.0426	1.0220	1.0001
SDev	1.0001	1.0000	1.0003	1.0003	1.0159	1.0113	1.0001
RRSD	88.88	6.051	268.2	32.17	37.52	51.55	67.36
#1	1.0002	1.0006	1.0003	-1.0004	1.0539	1.0300	1.0001
#2	1.0001	1.0006	-1.0001	-1.0008	1.0314	1.0140	1.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0010	1.0020	1.0050	1.0050	1.0500	1.5000	1.0050
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0069	-1.0004	1.0053	1.0016	1.0076	1.0747	1.0016
SDev	1.0008	1.0008	1.0002	1.0037	1.0026	1.0261	1.0062
RRSD	11.52	205.2	6.977	232.6	33.76	54.96	393.3
#1	1.0075	1.0002	1.0034	1.0043	1.0058	1.0932	-1.0028
#2	1.0063	-1.0010	1.0031	-1.0010	1.0094	1.0562	1.0059

Errors	LC High	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
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LOW	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	220373	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0003	1.0022	-1.0007	1.0050	1.0115	1.0054	1.1516
SDev	1.0003	1.0002	1.0038	1.0016	1.0013	1.0045	1.0752
%RSD	339.17	10.59	561.6	31.57	11.46	82.86	49.54

#1	1.0003	1.0020	1.0020	1.0038	1.0124	1.0023	1.2050
#2	-1.0001	1.0024	-1.0034	1.0061	1.0105	1.0086	1.0986

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	-1.0412
SDev	1.0514
%RSD	124.9

#1	-1.0776
#2	-1.0048

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	47489	--	--	--	--	--	--
SDev	112374.57	--	--	--	--	--	--
%RSD	1.0026057	--	--	--	--	--	--
#1	47490	--	--	--	--	--	--
#2	47488	--	--	--	--	--	--

Method: ICP481 Sample Name: A100547-16 X10 Operator: SD
 Run Time: 10/31/00 16:07:59
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	n_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0592	6097.	6.784	2.461	92.61	-1.2925	3046.
SDev	1.0530	1.192	1.151	1.020	2.87	1.0051	90.
U	140.1	5.152	1.926	8211	3.104	1.753	2.966
#1	1.0006	6233.	6.876	2.447	94.64	-1.2889	3110.
#2	1.1179	5961.	6.691	2.476	90.58	-1.2961	2982.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.00	20000.	1000.	1000.	1000.	1000.	20000.
Low	-200.00	-20000.	-1.000	-1.000	-1.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avg	11382	8.905	23.68	21.00	15120.	4345.	163.4
SDev	10062	1.256	1.77	1.61	463.	134.	5.0
%RSD	4.514	2.645	3.264	2.892	3.062	3.078	3.076

#1	1426	9.072	24.22	21.45	15450.	4438.	166.9
#2	11557	8.759	23.15	20.58	14790.	4249.	159.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1000	-1000	-1000	-1000	-10.00	-10.00	-1000

Elem	Mn2020	Ni2516	Pb2205	Sb2068	Se1960	Si2881	Tl1908
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avg	16488	16.57	323.2	14649	1.550	140.6	13067
SDev	10166	1.62	12.6	12902	1.223	4.7	1188
%RSD	2.553	3.744	3.891	62.42	14.36	3.316	387.2

#1	16605	17.01	332.1	12597	1.393	143.9	1146
#2	16371	16.13	314.5	16702	1.708	137.5	15330

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-10000	-10000	-1000	-5000	-2000	-100.0	-2000

Elem	V_2924	Zn2067	Zn2203/1	Zn2203/2	Zn1960/1	Zn1960/2	Na3302
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avg	29.95	61.51	316.4	326.6	3.037	1.7599	115.72
SDev	1.95	1.01	6.9	15.4	1.539	1.6136	40.17
%RSD	3.166	3.268	2.194	4.714	18.42	80.74	255.5

#1	30.63	62.93	321.3	337.5	3.432	1.5261	12.68
#2	29.28	60.09	311.5	315.7	2.641	1.194	44.15

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000	1000.					
Low	-10000	-10000					

Elem	K_7664
Units	cpm
Avg	2117
SDev	173.
%RSD	3.439

#1	2169.
#2	2066.

Errors	NOCHECK
High	
Low	

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem							

Avg	50479	--	---	--	--	--	--
SDev	5.712311	--	--	--	--	--	--
%RSD	.0075614	--	---	--	--	--	--
#1	50432	--	---	--	--	--	--
#2	50427	--	---	--	--	--	--

Method: ICP481 Sample Name: A100547-16-S1 X10 Operator: S
 Run Time: 10/31/00 16:12:53
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag5280	Al3082	As1890	B_2496	Ba4934	Bc3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16.84	7158.	23.88	79.44	181.1	19.11	4004.
SDev	1.96	867.	2.64	8.66	21.7	2.26	464.
%RSD	11.66	12.12	11.06	10.90	11.99	11.84	11.58
#1	18.25	7772.	25.75	85.57	196.5	20.71	4331.
#2	15.46	6545.	22.02	75.32	165.8	17.51	3676.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.8000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.01	29.34	45.16	59.22	16720.	6064.	208.3
SDev	1.17	3.45	5.27	4.78	1962.	729.	24.4
%RSD	11.72	11.77	11.67	12.20	11.75	12.03	11.72
#1	10.84	31.78	48.88	47.60	18110.	6580.	225.5
#2	9.177	26.90	41.43	55.84	15340.	5548.	191.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	15.27	56.79	519.5	5.453	18.15	469.6	92.12
SDev	1.51	4.72	65.3	1.04	1.85	53.4	10.15
%RSD	9.948	12.83	12.56	2.970	10.19	11.57	11.02
#1	16.29	40.13	563.7	3.566	19.43	507.3	99.29
#2	14.15	53.45	473.4	5.420	16.82	431.8	84.94

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr96071	Zr96072	Na5502
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.53	174.1	488.7	534.9	17.89	18.20	942.7
SDev	6.13	20.2	48.7	73.5	1.69	2.42	110.0
%RSD	11.68	11.63	9.968	13.75	9.570	13.52	11.67

#1	36.57	188.4	323.2	556.9	18.37	19.91	1020.
#2	48.19	159.7	454.3	482.9	17.40	16.49	865.0
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-1.000					
Elem	K_7664						
Units	ppm						
Avg	3358.						
SDev	398.						
%RSD	11.85						

#1	3639.
#2	3077.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Len	371.050	--	--	--	--	--	--
Avg	50191	--	--	--	--	--	--
SDev	371.4765	--	--	--	--	--	--
%RSD	7401252	--	--	--	--	--	--
#1	50454	--	--	--	--	--	--
#2	49929	--	--	--	--	--	--

Method: GAP4H1 Sample Name: A100547-16-52 X10 Operator: SD
 Run Time: 10/31/00 16:18:08
 Comment:
 Mode: CONC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.33	7477.	24.36	81.25	193.6	19.98	4313.
SDev	5.11	1324.	4.70	13.27	33.6	3.49	744.
%RSD	17.73	17.53	19.14	16.34	17.35	17.46	17.25
#1	19.73	8364.	27.88	90.63	217.3	22.45	4839.
#2	15.33	6491.	21.24	71.56	169.8	17.52	3787.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.000	-20.00	-2.000	-2.000	-1.000	-1.4000	-10.00

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
UNITS	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	10.43	50.47	46.38	42.58	17080.	6012.	209.9
SDev	1.81	5.26	8.05	7.67	2959.	1070.	36.2
%RSD	17.52	17.27	17.34	18.00	17.32	17.80	17.23
#1	11.71	34.19	52.29	48.00	19180.	6768.	233.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-12000	-11000	-16000	-21000	-10.00	-10.00	-16000

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	o/m	o/m	o/m	o/m	o/m	o/m	o/m
Avg	14.90	38.51	537.2	3.465	18.75	549.1	96.71
SDev	2.39	6.66	95.1	1.276	2.65	92.8	16.25
%RSD	16.06	17.31	17.71	36.86	13.23	16.90	16.80

#1	16.39	45.22	604.5	4.365	20.74	614.7	108.2
#2	13.21	33.80	470.0	2.560	16.71	483.5	85.27

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-16000	-18000	-11000	-31000	-21000	-100.0	-21000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	o/m	o/m	o/m	o/m	o/m	o/m	o/m
Avg	54.02	177.9	499.1	556.2	17.36	19.36	1013.
SDev	9.39	51.0	78.8	103.3	2.60	3.28	206.
%RSD	17.39	17.40	15.79	18.57	11.54	16.95	20.34

#1	60.66	199.8	534.8	629.3	18.78	21.68	1159.
#2	47.38	156.0	443.4	483.2	15.95	17.04	867.5

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-14000	-41000					

Elem	K_7664
Units	o/m
Avg	5178.
SDev	365.
%RSD	17.71

#1	5578.
#2	2779.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Mean	5711036	---	---	---	---	---	---
Avg	50231	---	---	---	---	---	---
SDev	54110564	---	---	---	---	---	---
%RSD	16789548	---	---	---	---	---	---
#1	50471	---	---	---	---	---	---
#2	49990	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100561-1 X10 Operator: SP
 Run Time: 10/31/00 16:23:23
 Comment:
 Mode: CONC Corr. Factor: 1.95

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1416	876930.	22.92	1.558	111.5	5264	5384.
SDev	10778	4444.	1.97	.113	6.7	10534	184.
%RSD	19.60	5.776	8.567	8.531	5.983	6.468	5.441
#1	1220	H80070.	24.27	1.278	116.2	18642	3514.
#2	1612	H73780.	21.56	1.458	106.8	17886	3254.

Errors	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11736	9.410	38.04	38.76	H21600.	6487.	585.6
SDev	10251	1.575	2.12	3.50	1239.	370.	32.6
%RSD	14.43	6.110	5.580	8.957	5.737	5.708	5.562
#1	1914	9.817	39.54	61.24	H22470.	6748.	608.6
#2	1559	9.004	36.54	36.29	H20720.	6725.	562.6

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16646	55.69	9.142	9477	21154	182.5	2.735
SDev	10937	2.81	1.134	1.108	1813	9.7	1.517
%RSD	14.10	5.039	12.40	116.9	57.73	5.292	18.90
#1	15984	57.67	9.944	11731	21729	189.3	3.101
#2	7309	53.70	8.340	11647	11579	175.7	2.370

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	52.85	84.40	48.98	-10.83	1.922	2.216	780.5
SDev	2.88	4.76	.11	1.65	2.656	2.547	55.6
%RSD	5.458	5.645	1.2216	15.20	138.2	114.9	7.129
#1	54.89	87.77	49.05	-9.668	1.0440	4.017	819.9
#2	50.81	81.03	48.90	-12.00	3.800	4155	741.2

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.000					

Units ppm
 Avge 1377.
 SDev 85.
 %RSD 6.418

#1 1439.
 #2 1314.

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavelength	571.050	--	--	--	--	--	--
Avge	48456	--	--	--	--	--	--
SDev	74.49480	--	--	--	--	--	--
%RSD	.1537995	--	--	--	--	--	--
#1	48489	--	--	--	--	--	--
#2	48384	--	--	--	--	--	--

Sample Name: A100561-1 X50 Operator: SD

Run Time: 10/31/00 16:28:55

Comment:

Mode: CONC Corr. Factor: 965

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	12091	50350.	25.04	4.197	117.0	.6364	3641.
SDev	17548	50.	1.91	.652	.0	.0190	9.
%RSD	360.9	.0571	7.647	15.52	.0335	2.991	.2602
#1	17479	80400.	26.40	4.657	117.0	.6499	3648
#2	15246	80360.	23.69	3.736	117.0	.6230	3635.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0773	9.938	40.44	58.69	23120.	6858.	631.6
SDev	.1981	.111	.52	.43	.58	.23	.15
%RSD	256.7	1.115	1.294	.7366	.2524	.3417	.2334
#1	1.2174	10.02	40.81	59.00	23160.	6874.	632.7
#2	1.0627	9.860	40.07	58.39	23080.	6841.	630.6

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.815	59.98	11.74	-2.250	3.599	212.5	5.757
SDev	.317	.64	.68	.138	1.256	3.6	1.696
%RSD	17.46	1.405	5.831	6.147	34.89	1.710	29.45
#1	2.037	60.58	12.25	-2.155	2.711	215.1	4.558
#2	1.589	59.39	11.26	-2.348	4.487	209.9	6.956

Elem	V_2974	Zn2062	Zr20571	Zr20572	196071	196072	Na3302
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Avg	56.63	97.25	57.85	-11.61	12.66	-1.172	943.9
SDev	1.24	1.88	1.77	1.64	4.13	1.179	134.3
%RSD	4.185	1.916	3.051	5.520	32.62	15.25	14.22
#1	56.80	97.87	58.39	-11.16	9.737	-1.046	1039.
#2	56.46	96.63	57.30	-12.06	15.57	-1.299	849.0

Elem	K_7664
Units	ppm
Avg	1268.
SDev	38.
%RSD	2.972
#1	1295.
#2	1247.

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avg	47417	--	--	--	--	--	--
SDev	208.5866	--	--	--	--	--	--
%RSD	4394770	--	--	--	--	--	--
#1	47271	--	--	--	--	--	--
#2	47564	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100506-L X10 Operator: SD
 Run Time: 10/31/00 16:53:54
 Comment:
 Mode: CONC Corr. Factor: 197

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Ba5150	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	4.489	5225.	3.313	11.26	165.2	-1.0154	7747.
SDev	1.217	177.	1.259	1.33	5.6	1.0049	255.
%RSD	4.835	3.392	7.824	3.084	3.371	31.67	3.267
#1	4.642	5350.	3.496	11.50	169.1	-1.0119	7926.
#2	4.335	5099.	3.130	11.01	161.2	-1.0188	7568.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000	1000.	1000.	1000.	1000.	20000.
Low	-1.000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	16314	5.115	14.95	111.5	8049.	6759.	231.0
SDev	10487	1.180	1.53	3.8	274.	233.	7.8
%RSD	7.655	3.521	3.521	3.413	3.409	3.443	3.366
#1	16655	5.245	15.57	114.2	8245.	6924.	236.5
#2	15975	4.988	14.37	108.8	7855.	6595.	225.5

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.

Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.415	12.51	13.95	11316	2.394	252.9	-1.1758
SDev	1.095	1.65	1.61	4679	1.507	11.7	1.0792
%RSD	2.795	5.040	4.390	355.6	12.84	4.609	613.7

#1	3.347	12.95	14.58	14624	2.177	261.2	1.5872
#2	3.487	12.06	13.51	-11993	2.611	244.7	-1.9389

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-5.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	17.41	189.2	15.45	13.14	3.127	1.978	506.0
SDev	1.64	6.5	1.28	1.07	1.133	1.595	36.3
%RSD	3.668	3.435	1.814	8.123	4.264	19.95	7.179

#1	17.86	183.7	15.25	13.89	3.033	1.699	531.7
#2	16.96	184.6	15.65	12.38	3.221	2.257	480.3

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.000	-1.000					

Elem	K_7664
Units	ppm
Avg	900.0
SDev	29.7
%RSD	3.303

#1	921.0
#2	879.0

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	571.036	--	--	--	--	--	--
Avg	47651	--	--	--	--	--	--
SDev	106.419e	--	--	--	--	--	--
%RSD	1.2235508	--	--	--	--	--	--
#1	4757e	--	--	--	--	--	--
#2	4772e	--	--	--	--	--	--

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4429	362.7	1.6825	2.557	14.27	-1.0565	754.6
SDev	1.0288	25.7	1.0025	1.103	1.96	1.0012	30.4
%RSD	6.507	7.096	1.3629	4.045	6.722	2.140	6.680
#1	4655	550.9	1.6842	2.609	14.95	-1.0574	790.5
#2	1.4225	344.5	1.6807	2.464	13.59	-1.0557	719.0

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.0000	-20.00	-2.000	-2.000	-6.000	-4000	-10.00

Elem	Gd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0243	1.0309	1.9110	9.615	320.0	269.6	4.557
SDev	1.0024	1.0532	1.253	1.675	24.0	20.0	1.348
%RSD	10.11	172.4	14.05	7.016	7.485	7.410	7.636

#1	1.0260	1.0685	1.002	10.10	337.0	283.8	4.803
#2	1.0225	-1.0068	1.8203	9.141	303.1	255.5	4.311

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.0000	-2.000	-10.00	-10.00	-1.0000

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.5902	1.4471	1.065	-1.8017	1.1720	172.3	1.5229
SDev	1.2753	1.0458	1.252	1.2482	1.0786	12.0	1.6000
%RSD	38.15	10.24	21.84	30.96	45.68	6.973	114.7

#1	1.7496	1.4794	1.225	-1.6262	1.2276	180.5	1.0986
#2	1.4309	1.4147	1.8992	-1.9772	1.1165	163.8	1.9472

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.0000	-1.0000	-1.000	-3.000	-2.000	-100.0	-2.000

Elem	V_2924	Zn2067	Zn20371	Zn20372	Zn196071	Zn196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.7172	16.16	1.7767	1.1360	1.4521	-1.0091	185.0
SDev	1.0553	1.13	1.1175	1.289	1.5282	1.5818	41.6
%RSD	7.711	6.981	15.17	24.94	116.8	41.92.	22.49

#1	1.7565	16.96	1.8601	1.364	1.0787	1.2609	214.4
#2	1.6717	15.36	1.6934	1.9552	1.8256	-1.2791	155.6

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000	1000					
Low	-4000	-4.000					

Elem	K_7664
Units	ppm
Avg	219.9
SDev	15.1
%RSD	6.87

#1 230.5
#2 209.2

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--
Avgc	47744	--	--	--	--	--	--
SDev	158.8863	--	--	--	--	--	--
%RSD	.3327891	--	--	--	--	--	--
#1	47632	--	--	--	--	--	--
#2	47856	--	--	--	--	--	--

Period: 10AP48i Sample Name: AL00506-5 x10 Operator: SD
 Run Time: 10731700 16:44:25
 Comment:
 Date: CUNC Corr. Factor: 192

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	13153	224.7	3536	1.682	9.796	-1.0577	530.9
SDev	11032	7.1	11624	1.110	1.313	1.0007	14.3
%RSD	82.71	3.163	45.66	6.537	5.192	1.189	2.700

#1 13882 229.7 14704 1.605 10.02 -1.0582 541.1
 #2 12424 219.7 2408 1.760 9.575 -1.0572 520.8

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-1.0126	10948	15989	6.461	576.4	283.7	3.197
SDev	10458	11099	10155	1.234	17.9	9.0	1.097
%RSD	563.7	116.0	2.589	5.626	5.425	3.189	3.022

#1 10198 11725 16098 6.627 385.5 290.1 3.265
 #2 -0450 10170 5879 6.296 367.3 277.3 3.129

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Md2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	12778	13472	18753	13667	-1.0354	151.3	15673
SDev	12875	10185	10880	1.0002	1.2343	5.4	11889
%RSD	105.3	5.262	10.102	1.0538	661.1	3.598	53.30

#2	.0745	.3543	.9406	.3665	.1307	147.4	.7009
Errors	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.6000	-1.8000	-1.0000	-5.0000	-2.0000	-100.0	-2.0000
Elem	V_2974	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.7777	14.72	.2267	1.162	.2907	-.2407	140.0
SDev	10514	.47	.7109	.223	.1155	.2937	12.8
%RSD	6.610	3.168	315.5	19.25	39.73	122.0	9.120

#1	.8135	15.05	-.2759	1.320	.2090	-.4484	149.1
#2	.7409	14.39	.7294	1.004	.3724	-.0331	131.0
Errors	IC Pass	IC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4000	-4000					

Elem	K_7664
Units	ppm
Avg	208.5
SDev	5.9
%RSD	2.828

#1	212.7
#2	204.5

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Wavlen	571.030	---	---	---	---	---	---
Avg	47727	---	---	---	---	---	---
SDev	29.44989	---	---	---	---	---	---
%RSD	.0617055	---	---	---	---	---	---
#1	47706	---	---	---	---	---	---
#2	47747	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100547-12 X10 Operator: SD
 Run Time: 10/31/00 16:49:39
 Comment:
 Code: 0000 Corr Factor: 156

Elem	Ag3280	Al3087	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.2796	6165.	5.799	5.377	175.2	-.3858	10750.
SDev	10441	650.	1.431	1.357	18.0	1.0149	1064.
%RSD	15.77	10.55	2.425	10.44	10.28	5.857	9.921
#1	.3107	6625.	5.495	5.626	187.9	-.3963	11480

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

ELEM	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	3.469	8.003	25.00	80.84	16320.	3985.	169.6
SDev	1.579	1.624	2.51	8.66	1661.	411.	17.2
%RSD	10.92	10.50	10.05	10.71	10.18	10.32	10.14

#1	3.737	8.586	26.77	86.96	17500.	4276.	181.7
#2	3.201	7.421	23.22	74.72	15150.	3694.	157.4

errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.000	-1.000	-1.000	-2.000	-10.00	-10.00	-1.000

ELEM	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.704	16.82	485.8	13920	1.142	289.8	1.5799
SDev	1.178	1.72	48.0	5738	1.208	31.5	1.5661
%RSD	10.47	10.24	9.914	146.4	18.21	10.80	63.15

#1	1.578	18.04	517.8	17978	9950	312.0	1.5209
#2	1.830	15.61	449.9	-10137	1.289	267.7	1.8388

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-5.000	-2.000	-100.0	-2.000

ELEM	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	28.57	362.2	462.9	494.5	3.421	-1.0444	47.15
SDev	2.97	36.4	40.4	51.7	1.138	1.2430	10.95
%RSD	10.40	10.04	8.733	10.47	4.023	547.2	23.19

#1	30.67	387.9	491.5	550.8	5.324	-1.2163	59.40
#2	26.47	336.5	434.5	457.7	3.519	1.1274	54.85

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.4000	-4.000					

ELEM	K_7664
Units	ppm
Avg	1861.
SDev	195.
%RSD	10.50

#1	1999.
#2	1727.

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	1	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avgc	49865	--	--	--	--	--	--
SDcv	120.7716	--	--	--	--	--	--
%RSD	.2421962	--	--	--	--	--	--
#1	49951	--	--	--	--	--	--
#2	49780	--	--	--	--	--	--

Method: ICP-AES Sample name: A100547-15 X10 Operator: SP

Run time: 10/31/00 16:54:55

Comment:

Mode: CONC Corr. Factor: 195

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	17265	5550.	208.5	5.142	127.9	-.5119	4680.
SDcv	11064	965.	34.8	.462	22.6	.0356	815.
%RSD	14.64	18.08	16.71	14.69	17.67	11.42	17.38
#1	18017	6016.	233.1	5.469	143.8	-.3370	5255.
#2	16513	4634.	183.8	2.816	111.9	-.2867	4105.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-.6000	-20.00	-2.000	-2.000	-6.000	-.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.732	7.664	27.16	73.42	14560.	3774.	122.3
SDcv	.521	1.291	3.88	13.47	2500.	662.	21.2
%RSD	19.09	16.84	17.49	18.28	17.42	17.55	17.36
#1	3.100	8.577	24.90	82.91	16120.	4243.	137.3
#2	2.363	6.751	19.41	63.93	12590.	3306.	107.3

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-.2000	-1.000	-.6000	-2.000	-10.00	-10.00	-.6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.8701	15.79	H15820.	374.3	1.609	194.8	1.652
SDcv	.1391	2.81	2347.	67.8	.370	32.4	.329
%RSD	15.99	17.82	16.98	18.12	20.42	16.62	17.74
#1	.9685	17.78	H15480.	422.3	2.071	217.7	1.620
#2	.7718	13.50	H12160.	326.3	1.548	171.9	2.084

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-.6000	-.8000	-1.000	-3.000	-2.000	-100.0	-2.000

Units	oem	oem	oem	oem	oem	oem	oem
Avg	27.15	337.0	12620.	14420.	2.204	1.553	33.07
SDev	4.81	58.3	7038.	2501.	1.059	0.025	17.68
%RSD	17.73	17.29	16.16	17.35	48.07	1.637	53.46

#1	30.54	378.2	14060.	16180.	2.953	1.571	45.57
#2	23.73	295.8	11170.	12650.	1.456	1.535	20.57

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-1.0000	-1.0000					

Elem	K_7664
Units	oem
Avg	1717.
SDev	309.
%RSD	17.99

#1	1935.
#2	1499

Errors	NOCHECK
High	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	49669	--	--	--	--	--	--
SDev	343.758e	--	--	--	--	--	--
%RSD	.6920942	--	--	--	--	--	--
#1	49913	--	--	--	--	--	--
#2	49426	--	--	--	--	--	--

Method: GCAP4HT Sample Name: CCR1 Operator: SD
 Run Time: 10/31/00 17:00:07
 Comment:
 Mode: CGNC Corr. Factor: 1

Elem	Ag5280	Al5082	As1590	R_2496	Ra4934	Ra3130	Ca3179
Units	oem	oem	oem	oem	oem	oem	oem
Avg	1.0006	1.0083	H.0055	1.0016	1.0005	-1.0003	1.0062
SDev	1.0000	1.0049	1.0014	1.0015	1.0002	1.0000	1.0077
%RSD	6.055	58.47	26.32	92.89	30.57	3.469	123.9

#1	1.0005	1.0117	H.0065	1.0026	1.0006	-1.0003	1.0117
#2	1.0006	1.0049	H.0045	1.0005	1.0004	-1.0003	1.0008

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0030	1.000	1.0040	1.0000	1.0050	1.0010	1.5000
Low	-1.0030	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr7677	Cu3247	Fe2714	Hg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem

SDev	.0001	.0003	.0009	.0000	.0159	.0033	.0001
%RSD	60.72	58.34	15250.	1.609	25.55	47.75	46.74
#1	-.0001	.0003	.0006	-.0007	H.0788	.0094	.0004
#2	-.0003	.0008	-.0006	-.0007	H.0563	.0046	.0002
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0004	-.0003	H.0450	.0013	.0001	.0001	-.0009
SDev	.0004	.0007	.0156	.0004	.0003	.0013	.0027
%RSD	103.3	230.3	34.60	31.06	284.3	1167.	318.4
#1	-.0007	.0002	H.0560	.0016	-.0001	-.0008	.0011
#2	-.0001	-.0008	H.0340	.0010	.0003	.0010	-.0028
Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0004	.0034	.0344	.0500	.0039	-.0020	.2840
SDev	.0006	.0003	.0184	.0142	.0044	.0026	.2386
%RSD	179.6	10.06	53.46	28.33	110.7	126.3	84.00
#1	.0008	.0037	.0474	.0600	.0070	-.0039	.4527
#2	-.0001	.0037	.0214	.0400	.0009	-.0002	.1153
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	-.0517						
SDev	.0194						
%RSD	37.52						
#1	-.0380						
#2	-.0654						
Errors	LC Pass						
High	.5000						
Low	-.5000						
Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
waven	571.030	--	--	--	--	--	--
Avg	47501	--	--	--	--	--	--
SDev	30.44150	--	--	--	--	--	--

#1	47580	---	---	---	---	---	---
#2	47625	---	---	---	---	---	---

Method: ICAP4HI Sample Name: CCV12 Operator: S
 Run Time: 10/31/00 17:05:22
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Se3130	Ca3179
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avg	1.4901	-0.0179	2.625	2.446	L2.285	H2.685	-0.0045
SDev	0.0001	0.0004	0.005	0.007	0.005	0.004	0.0004
%RSD	0.0184	2.056	0.1056	0.2855	0.238	0.1471	8.072
#1	1.4901	-0.0176	2.621	2.441	L2.283	H2.687	-0.0046
#2	1.4902	-0.0182	H2.625	2.451	L2.287	H2.682	-0.0045

Errors	LC Pass	NOCHECK	LC Pass	LC Pass	LC Low	LC High	NOCHECK
High	1.5250		2.625	2.750	2.625	2.625	
Low	1.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avg	H2.781	H2.696	H2.701	L2.331	0.2237	-0.0127	2.623
SDev	0.005	0.005	0.004	0.002	0.0085	0.0037	0.002
%RSD	0.1818	0.965	0.406	0.0815	5.781	13.62	0.0845
#1	H2.785	H2.698	H2.704	L2.330	0.2296	-0.0115	2.625
#2	H2.778	H2.694	H2.699	L2.335	0.2177	-0.0139	2.622

Errors	LC High	LC High	LC High	LC Low	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avg	H2.657	H2.659	H2.787	2.498	2.580	0.1707	H2.650
SDev	0.021	0.002	0.008	0.008	0.028	0.0020	0.008
%RSD	0.6105	0.0632	0.2891	0.3374	1.079	0.1172	0.5131
#1	2.627	H2.640	H2.793	2.504	2.560	0.1721	H2.656
#2	H2.652	H2.638	H2.781	2.492	2.600	0.1693	H2.644

Errors	LC High	LC High	LC High	LC Pass	LC Pass	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	DDM	DDM	DDM	DDM	DDM	DDM	DDM
Avg	2.569	H5.015	2.734	2.815	2.325	2.608	49.14
SDev	0.001	0.010	0.015	0.004	0.009	0.057	0.02
%RSD	0.0565	0.5429	0.542	0.595	0.3445	1.455	0.0365
#1	2.570	H5.022	2.745	2.816	2.518	2.581	49.15
#2	2.568	H5.007	2.724	2.810	2.531	2.634	49.13

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem K_7664
 Units oom
 Avge L23.46
 SDev .03
 %RSD .1591

#1 L23.49
 #2 L23.44

Errors	LC Low
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avge	47268	---	---	---	---	---	---
SDev	78.20712	---	---	---	---	---	---
%RSD	.1654564	---	---	---	---	---	---
#1	47375	---	---	---	---	---	---
#2	47212	---	---	---	---	---	---

Method: CAP4HI Sample Name: LCV13 Operator: SD
 Run Time: 10/31/00 17:10:30
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0013	48.05	.0189	.0111	.0002	.0014	H56.09
SDev	.0004	.02	.0033	.0007	.0008	.0008	.08
%RSD	32.35	.0518	16.51	6.687	378.2	56.19	.1414
#1	.0016	48.04	.0213	.0116	.0008	.0019	H56.04
#2	.0010	48.06	.0167	.0105	.0003	.0008	H56.15

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0011	.0024	.0139	.0007	H53.98	H55.85	.0060
SDev	.0007	.0009	.0004	.0008	.06	.05	.0008
%RSD	63.72	55.51	2.863	115.3	11054	9856	13.64
#1	.0016	.0030	.0147	.0013	H53.94	H55.82	.0066
#2	.0006	.0018	.0136	.0001	H54.02	H55.89	.0054

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
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LOW					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0211	.0061	.0055	.0006	.0273	87.33	.0072
SDev	.0070	.0004	.0016	.0000	.0079	.12	.0053
%RSD	33.10	7.249	30.00	4.499	28.75	.1420	73.89
#1	.0261	.0058	.0067	.0006	.0329	87.25	.0110
#2	.0162	.0064	.0043	.0006	.0218	87.42	.0034
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	IC Pass	NOCHECK
High						94.00	
LOW						77.00	

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0042	.0033	.0271	-.0056	.0293	.0261	.1717
SDev	.0003	.0008	.0044	.0047	.0002	.0119	.1225
%RSD	6.975	24.27	16.37	84.35	.8114	45.63	71.35
#1	.0044	.0041	.0240	-.0022	.0291	.0345	.0851
#2	.0040	.0029	.0302	-.0089	.0295	.0177	.2585
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
LOW							

Elem	K_7664
Units	ppm
Avgc	-.0233
SDev	.0205
%RSD	88.21
#1	-.0378
#2	-.0088
Errors	NOCHECK
High	
LOW	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	571.050	--	--	--	--	--	--
Avgc	46171	--	--	--	--	--	--
SDev	167.7970	--	--	--	--	--	--
%RSD	.3634227	--	--	--	--	--	--
#1	46053	--	--	--	--	--	--
#2	46290	--	--	--	--	--	--

mode: CUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	n_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.001	0.293	0.0059	0.0072	0.0002	0.0000	0.0219
SDev	0.0005	0.0107	0.0036	0.0003	0.0000	0.0003	0.0155
KRSD	560.0	36.61	61.97	2.502	5.649	115.7	70.13

#1	-0.0005	0.0368	0.0084	0.0022	0.0002	-0.0000	0.0327
#2	0.0005	0.0217	0.0033	0.0021	0.0002	-0.0001	0.0110

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0030	0.1000	0.0040	0.1000	0.0050	0.0010	0.5000
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu5247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0005	0.0005	0.0014	0.0494	0.0285	0.0000
SDev	0.0001	0.0005	0.0004	0.0003	0.0119	0.0132	0.0000
KRSD	304.9	106.4	159.2	7.758	24.15	46.39	2.231

#1	-0.0003	0.0001	-0.0006	-0.0015	0.0579	0.0378	0.0000
#2	0.0000	0.0008	0.0000	-0.0015	0.0410	0.0191	0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0045	0.0008	0.0029	0.0012	0.0051	0.0703	0.0025
SDev	0.0002	0.0002	0.0006	0.0019	0.0025	0.0261	0.0005
KRSD	5.400	24.34	19.95	150.6	48.23	57.14	20.99

#1	0.0047	-0.0006	0.0035	0.0003	0.0069	0.0888	0.0028
#2	0.0043	-0.0009	0.0025	-0.0026	0.0054	0.0519	0.0021

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	0.1000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.1000	-0.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0000	0.0021	0.0008	0.0044	0.0104	0.0022	0.0279
SDev	0.0001	0.0001	0.0020	0.0001	0.0035	0.0020	0.0486
KRSD	250.0	6.049	235.3	5.052	55.50	30.62	174.3

#1	0.0001	0.0020	0.0006	0.0045	0.0129	0.0036	0.0625
#2	-0.0000	0.0022	-0.0022	0.0045	0.0079	0.0008	-0.0065

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Elem	K_7664
Units	ppm
Avg	0.0318

%RSD 145.1
#1 -0645
#2 10009

Errors: IC Pass
High 15000
Low -15000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avgc	47567	--	--	--	--	--	--
SDcv	144.2857	--	--	--	--	--	--
%RSD	15033320	--	--	--	--	--	--
#1	47669	--	--	--	--	--	--
#2	47465	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100547-15 X200 Operator: SD
 Run Time: 10/31/00 17:21:06
 Element: Y
 IC: CONC Corr Factor: 3906

Elem	Ag3280	Al3082	As1890	R_2496	Se4934	Se3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	1.245	5482.	224.3	15.50	134.2	-1.097	4914.
SDcv	1.895	5.	19	2.63	1	1.060	6.
%RSD	151.8	10866	4056	19.51	0906	5.438	11200

#1	-1.0919	5479.	225.6	15.36	134.1	-1.139	4910.
#2	2.588	5486.	224.9	11.63	134.3	-1.055	4918.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	2.042	9.154	22.69	67.97	15080.	3866.	127.9
SDcv	1.703	1.041	1.59	2.37	30.	1.	1.
%RSD	84.41	14443	2.605	3.483	12018	10198	10809

#1	1.545	9.182	23.11	66.50	15060.	3865.	127.8
#2	2.539	9.125	22.28	69.64	15100.	3867.	128.0

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	11.51	18.58	14160.	397.5	10.41	288.2	7.156
SDcv	4.19	1.03	37	4.0	2.44	5.1	1.081
%RSD	36.41	1502	2647	1.012	23.40	1.756	15.10

#1	14.48	18.60	14130.	400.4	8.686	291.8	7.921
#2	8.549	18.56	14190	394.7	12.13	284.6	6.392

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr20373	Zr20374	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	29.58	362.7	15780.	14350.	11.85	8.647	386.1
SDcv	1.46	1.0	34.	59.	11.60	9.533	171.6

#1	29.97	362.0	13760.	14320.	20.05	1.906	284.7
#2	29.27	363.4	13800.	14380.	5.651	15.39	507.4

Elem k_7664
 Units ppm
 Avge 1716.
 SDev 15.
 %RSD .9010

#1	1727.
#2	1705.

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WavLen	371.030	--	--	--	--	--	--
Avge	47908	--	--	--	--	--	--
SDev	196.7525	--	--	--	--	--	--
%RSD	.4106866	--	--	--	--	--	--

#1	48047	--	--	--	--	--	--
#2	47769	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100547-14 X10 Operator: SD
 Run Time: 10/31/00 17:26:20
 Comment:
 Mode: CONC Corr. Factor: 197

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.921	5840.	3.722	2.485	88.94	1.5576	3836.
SDev	.0956	37.	1.149	1.161	1.70	1.0049	23.
%RSD	49.76	.6281	4.005	6.477	1.7905	1.373	1.6028

#1	1.1245	5865.	3.827	2.372	89.44	1.3611	3852.
#2	1.2596	5814.	3.617	2.599	88.44	1.3541	3820.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0250	7.754	22.07	14.52	11990.	4075.	133.7
SDev	.0179	.098	.04	.09	67.	21.	.9
%RSD	71.47	1.268	1.799	5907	1.5560	1.5060	1.6562

#1	1.0060	7.684	22.10	14.58	12040.	4090.	134.5
#2	1.0577	7.823	22.04	14.46	11940.	4061.	133.1

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mg2020	Ni2516	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
------	--------	--------	--------	--------	--------	--------	--------

Avg	.2965	14.98	132.3	.0635	.9541	297.0	.0255
SDev	.0725	.07	1.2	.4087	.1882	1.1	.1284
%RSD	24.47	.4346	.9183	644.2	19.72	.3764	503.9
#1	.5477	15.02	133.1	-.2256	.8210	297.8	-.0653
#2	.2452	14.95	131.4	.3525	1.087	296.2	.1165
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.0000	-1.0000	-1.0000	-3.0000	-2.0000	-100.0	-2.0000
Elem	V_2924	Zn2067	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	27.11	42.85	130.8	133.0	2.507	.1302	20.27
SDev	.14	.10	.8	.4	.559	.5614	59.32
%RSD	.5249	.2221	.6490	1.051	22.29	431.0	292.7
#1	27.21	42.90	131.4	133.9	2.902	-.2667	-21.68
#2	27.01	42.77	130.2	132.0	2.112	.5272	62.22
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4.0000	-4.0000					
Elem	K_7664						
Units	ppm						
Avg	1989.						
SDev	.11						
%RSD	.5616						
#1	1997.						
#2	1981.						
Errors	NOCHECK						
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	7	---	---	---	---	---	---
Wavlen	371.030	---	---	---	---	---	---
Avg	49692	---	---	---	---	---	---
SDev	153.1963	---	---	---	---	---	---
%RSD	.3082888	---	---	---	---	---	---
#1	49801	---	---	---	---	---	---
#2	49584	---	---	---	---	---	---

Method: ICP4H; Sample Name: A100547-15 X10 Operator: SP
Run Time: 10/31/00 17:51:56
Comment:
log: CONC Corr. Factor: 199

Elem	Ag3280	Al5082	As1690	B_2496	Ca4934	Fe3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.722	6552.	5.586	2.589	91.91	3026	3542.

SDev	.1259	.677	.452	.220	9.67	.0075	.347
%RSD	171.7	10.36	12.62	9.221	10.52	2.481	9.797
#1	-.1598	7010.	3.906	2.544	98.75	-.5080	3788.
#2	.0154	6055.	3.266	2.233	85.07	-.2973	3297.
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-6000	-20.00	-2.000	-2.000	-6.000	-4.000	-10.00
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4087	8.990	25.37	25.76	14410.	4463.	182.6
SDev	.0572	.805	2.55	2.66	1450.	445.	18.2
%RSD	13.99	8.959	9.963	10.34	9.977	9.970	9.966
#1	.4491	9.560	27.16	27.65	13420.	4778.	195.7
#2	.3683	8.421	23.58	23.88	13400.	4149.	169.9
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-2000	-1.000	-6000	-2.000	-10.00	-10.00	-6000
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0589	16.67	162.6	-.2186	1.790	146.9	.8938
SDev	.1192	1.56	18.1	.0782	.758	14.6	.1370
%RSD	207.2	9.388	11.10	35.76	41.26	9.918	15.32
#1	-.1432	17.77	175.3	-.1633	2.312	157.2	.9907
#2	.0253	15.56	149.6	-.2739	1.267	136.6	.7970
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-6000	-8000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2062	Zn2037	Zn2037	Zn2037	Zn2037	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	31.55	75.96	155.8	165.9	2.389	1.440	-31.06
SDev	6.17	7.17	11.4	21.4	0.204	.502	27.77
%RSD	10.05	9.443	7.317	12.89	50.40	34.85	89.39
#1	33.79	81.04	165.8	181.1	3.241	1.795	-50.70
#2	29.31	70.89	147.7	150.8	1.538	1.085	-11.43
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4000	-4.000					
Elem	K_7664						
Units	ppm						
Avg	2205.						
SDev	234.						
%RSD	10.62						
#1	2368						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	571.030	--	--	--	--	--	--
Avgc	50731	--	--	--	--	--	--
SDev	490.5194	--	--	--	--	--	--
%RSD	0.9669075	--	--	--	--	--	--
#1	5107F	--	--	--	--	--	--
#2	50384	--	--	--	--	--	--

Method: FCAP4HI Sample Name: A100547-21 X10 Operator: SD
 Run Time: 10/31/00 17:56:53
 Comment:
 Code: CDNC Corr. Factor: 200

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	55.59	5114.	175.1	54.61	144.6	45.27	10080.
SDev	2.55	548.	12.0	1.78	9.9	2.90	625.
%RSD	6.555	6.513	6.850	5.149	6.829	6.404	6.171
#1	37.24	5360.	185.6	35.87	151.5	47.32	10520
#2	55.95	4867.	166.6	55.55	137.6	45.22	9640.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	200.0	20000.	1000.	1000.	1000.	1000.	20000.
Low	-1.6000	-20.00	-2.000	-2.000	-6.000	-1.4000	-10.00

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	65.24	207.5	141.8	77.15	9119.	2380.	547.0
SDev	4.06	13.4	8.9	5.35	584.	154.	22.5
%RSD	6.445	6.466	6.298	6.932	6.407	6.467	6.427
#1	66.12	217.0	148.1	80.95	9532.	2488.	362.7
#2	60.56	198.0	135.5	75.37	8706.	2271.	531.2

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-1.2000	-1.000	-1.6000	-2.000	-10.00	-10.00	-1.6000

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	58.02	67.70	122.3	8.241	145.6	160.1	78.49
SDev	2.75	4.05	9.6	0.395	10.9	12.9	4.25
%RSD	5.923	5.989	7.819	4.767	7.500	7.146	5.416
#1	39.62	70.57	129.0	8.518	153.4	189.2	81.49
#2	56.45	64.84	115.5	7.965	137.9	171.0	75.48

High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-1.000	-1.000	-1.000	-3.000	-2.000	-100.0	-2.000
Elem	V_2924	Zn2062	220371	220372	196073	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	152.9	277.5	120.0	125.4	139.5	148.6	1015.
SDev	9.8	17.1	5.4	11.0	5.8	13.5	44.
%RSD	6.392	6.165	4.492	9.441	4.125	9.086	4.326
#1	159.8	289.4	123.8	131.6	145.6	158.2	1046.
#2	146.0	265.2	116.2	115.1	135.5	139.1	984.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4000	-4000					

Elem	K_7664
Units	ppm
Avg	2750.
SDev	195.
%RSD	7.107

#	2888.
	2611.

Errors	NOCHECK
High	
Low	

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	371.050	--	--	--	--	--	--
Avg	49919	--	--	--	--	--	--
SDev	12.57457	--	--	--	--	--	--
%RSD	0.247890	--	--	--	--	--	--
#1	49928	--	--	--	--	--	--
#2	49910	--	--	--	--	--	--

Method: ICP-AES Sample Name: AL00534-z Operator: SD
 Run Time: 10/31/00 05:42:02
 Comment:
 Gage: GONG Corr. Factor: 122

Elem	Ag5780	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	11065	2023.	55.50	640.2	14.24	1.0265	4216.
SDev	10222	1165.	1.15	14	1.03	1.0020	15.
%RSD	20.86	11.568	2.2727	2.0696	7.2217	7.599	1.5644
#1	11219	2025.	55.40	639.9	14.26	1.0251	4205.
#2	10906	2021.	55.61	640.5	14.22	1.0280	4227.

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	20000	20000.	1000.	1000	1000	1000.	20000.

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0010	0.0906	0.6419	4.590	231.5	3176.	8.227
SDev	0.0049	0.0270	0.0236	0.042	0.5	0.12.	0.014
%RSD	495.9	29.80	3.681	0.9068	0.2115	0.3866	0.1675

#1	-0.0044	0.0715	0.6586	4.561	231.2	3168.	8.218
#2	0.0025	0.1097	0.6257	4.620	231.9	3185.	8.237

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	20000.	20000.	1000.
Low	-2000	-1000	-6000	-2000	-10.00	-10.00	-6000

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.6243	0.5799	2.400	0.8530	0.9341	388.8	-0.5548
SDev	0.1159	0.0235	0.003	0.1107	0.2365	0.29	0.7972
%RSD	18.57	4.052	0.1227	12.98	25.29	0.7344	143.7

#1	0.6063	0.5965	2.402	0.7747	0.9101	390.8	0.0089
#2	0.5423	0.5633	2.398	0.9313	0.7670	386.8	-1.119

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1000.	1000.	1000.	1000.	1000.	34200.	1000.
Low	-6000	-6000	-1000	-3000	-2000	-100.0	-2000

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.605	15.30	3.851	1.635	0.2554	0.242	151.0
SDev	0.021	0.28	0.030	0.019	0.5780	0.065	4.9
%RSD	3.291	1.815	0.7895	1.186	226.3	5.253	3.242

#1	0.620	15.11	3.829	1.649	0.6642	0.288	147.6
#2	0.591	15.50	3.877	1.621	-0.1533	0.196	154.5

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	1000.	1000.					
Low	-4000	-4000					

Elem	K_7664
Units	ppm
Avg	275.3
SDev	0.21
%RSD	0.7752

#1	275.3
#2	272.3

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED

MaxLen	571.050	--	--	--	--	--	--
Avge	46158	--	--	--	--	--	--
SDev	251.1997	--	--	--	--	--	--
%RSD	.5444503	--	--	--	--	--	--
#1	45961	--	--	--	--	--	--
#2	46316	--	--	--	--	--	--

Method: ICAP4H1 Sample Name: CCB3 Operator: SP
 Run Time: 10/31/00 17:47:23
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	-.0093	H.0058	.0096	.0002	-.0003	.0147
SDev	.0004	.0027	.0013	.0029	.0000	.0000	.0125
%RSD	66.46	28.81	22.16	29.85	3.145	3.344	85.56
#1	.0004	-.0074	H.0049	.0116	.0002	-.0003	.0235
#2	.0010	-.0112	H.0067	.0076	.0002	-.0003	.0058

Errors	LC Pass	LC Pass	LC High	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Cs2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0006	.0001	.0005	.0107	.0144	.0001
SDev	.0000	.0002	.0001	.0007	.0056	.0069	.0000
%RSD	72.79	56.27	61.48	161.5	52.56	48.25	26.18
#1	-.0000	.0005	.0001	-.0001	.0067	.0193	.0001
#2	-.0001	.0008	.0001	.0010	.0146	.0095	.0001

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mg2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0008	.0004	.0014	-.0003	.0013	.0045	.0051
SDev	.0008	.0008	.0007	.0011	.0007	.0009	.0041
%RSD	107.4	203.6	49.40	340.9	54.62	18.98	80.30
#1	.0014	-.0002	.0009	-.0011	.0008	.0039	.0022
#2	.0002	.0009	.0018	.0004	.0018	.0051	.0081

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr19671	Zr19672	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0004	.0024	-.0026	.0051	.0041	-.0004	.5060
SDev	.0005	.0007	.0003	.0011	.0043	.0011	.0168

#1	.0002	.0023	-.0024	.0022	.0011	.0004	.3179
#2	.0006	.0024	-.0028	.0039	.0071	-.0011	.2877
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

Elem K_7664
 Units ppm
 Avge -.0022
 SDev .0491
 %RSD 1834.

#1 .0320
 #2 -.0374

Errors	LC Pass
High	.5000
Low	-.5000

IntStd	1	2	3	4	5	6	7
Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.036	--	--	--	--	--	--
Avge	48131	--	--	--	--	--	--
SDev	261.5956	--	--	--	--	--	--
%RSD	.5435059	--	--	--	--	--	--

#1 48516
 #2 47946

Method: TOAP4H1 Sample Name: A100489-2-80 89110P1 Operator: SD

Run Time: 10/31/00 05:52:57

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0002	.0349	.0012	.0057	.0001	-.0003	.1339
SDev	.0004	.0002	.0030	.0004	.0001	.0000	.0009
%RSD	258.8	.4591	260.5	7.638	76.41	.9225	.6792

#1 .0005 .0350 .0033 .0054 .0001 -.0003 .1345
 #2 -.0001 .0348 -.0010 .0060 .0000 -.0003 .1337

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0050	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0001	-.0005	.0007	.0087	.0003	.0001
SDev	.0002	.0000	.0004	.0004	.0042	.0047	.0001
%RSD	59.27	25.95	85.55	55.31	47.71	1665.	100.1

#2	.0004	.0001	-.0007	.0005	.0058	-.0030	.0000
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	N12316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	-.0001	.0001	.0071	-.0016	.0028	.0846	.0017
SDev	.0008	.0005	.0001	.0001	.0010	.0013	.0024
%RSD	710.6	430.5	.7555	8.253	36.61	1.477	141.7

#1	-.0007	.0005	.0070	-.0017	.0021	.0855	-.0000
#2	.0005	-.0007	.0071	-.0015	.0035	.0837	.0054
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100

Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	-.0002	.6351	.0010	.0098	.0044	.0017	.1021
SDev	.0003	.0019	.0036	.0017	.0054	.0012	.1554
%RSD	157.1	.3070	370.7	17.27	122.5	70.79	152.2

#1	-.0004	.6365	-.0016	.0110	.0006	.0025	-.0077
#2	.0000	.6337	.0035	.0086	.0085	.0008	.2120

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	oem
Avgc	-.0179
SDev	.0213
%RSD	119.0

#1	-.0379
#2	-.0028

Errors	LC Pass
High	50.00
Low	-.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
n	7	---	---	---	---	---	---
AcqLen	371.050	---	---	---	---	---	---
Avgc	49290	---	---	---	---	---	---
SDev	69.5450e	---	---	---	---	---	---
%RSD	.1410947	---	---	---	---	---	---

#1	49240
#2	49539

Method: ICP4HI Sample Name: A100489-2-L1 200.2 Operator: SF
 Run Time: 10/31/00 17:57:52
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3780	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0421	2.067	0.1033	0.9305	0.0919	0.0103	21.09
SDev	0.0001	0.005	0.0003	0.0005	0.0001	0.0000	0.03
%RSD	0.1575	0.2232	0.2533	0.0272	0.0892	0.2108	0.1253
#1	0.0420	2.064	0.1031	0.9303	0.0916	0.0103	21.07
#2	0.0421	2.071	0.1035	0.9306	0.0919	0.0104	21.11
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-0.0050	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0107	0.1049	0.0427	0.0381	1.024	21.08	0.0421
SDev	0.0001	0.0002	0.0003	0.0002	0.000	0.03	0.0000
%RSD	0.031	0.1938	0.6944	0.4598	0.0227	0.1345	0.0737
#1	0.0106	0.1050	0.0425	0.0382	1.024	21.06	0.0421
#2	0.0107	0.1048	0.0429	0.0380	1.024	21.10	0.0421
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0838	0.0992	0.1108	0.0986	0.0830	0.1749	0.1000
SDev	0.0065	0.0001	0.0001	0.0047	0.0045	0.0006	0.0003
%RSD	7.766	0.1504	0.0730	4.292	4.986	0.3472	0.4959
#1	0.0790	0.0993	0.1108	0.0956	0.0862	0.1745	0.0996
#2	0.0882	0.0991	0.109	0.1016	0.0925	0.1754	0.003
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-1.000	-0.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0407	1.043	0.1089	0.1115	0.0920	0.0878	21.18
SDev	0.0001	0.003	0.0007	0.0002	0.0022	0.0056	0.17
%RSD	0.1290	0.2409	0.6274	0.1574	2.445	6.329	0.8168
#1	0.0407	1.041	0.1084	0.1117	0.0904	0.0839	21.06
#2	0.0407	1.044	0.1094	0.1114	0.0936	0.0915	21.30
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-0.0070	-0.0200					-0.5000

Units ppm
 Avge 19.40
 SDev .101
 %RSD .0632

#1 19.41
 #2 19.39

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
WavLen	371.030	---	---	---	---	---	---
Avge	48200	---	---	---	---	---	---
SDev	4.455325	---	---	---	---	---	---
%RSD	.0092434	---	---	---	---	---	---
#1	48205	---	---	---	---	---	---
#2	48197	---	---	---	---	---	---

Code: 04P481 Sample Name: A100489-2-12 Operator: SD
 Run Time: 10/31/00 18:03:06
 Comment:
 Mode: CONC. Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0418	1.976	.0982	.6765	.0907	.0102	20.65
SDev	.0001	.0001	.0003	.0020	.0000	.0000	.00
%RSD	.3196	.0294	.2778	.2291	.0116	.1267	.0015
#1	.0417	1.977	.0984	.6750	.0907	.0102	20.65
#2	.0419	1.976	.0980	.6779	.0907	.0102	20.65

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0030 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fa7714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0104	.1037	.0419	.0371	.9979	20.74	.0413
SDev	.0000	.0003	.0007	.0001	.0020	.00	.0001
%RSD	.1781	.2656	1.718	.2294	.2026	.0211	.2026
#1	.0105	.1039	.0414	.0371	.9995	20.74	.0414
#2	.0104	.1035	.0424	.0370	.9964	20.73	.0413

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	1.0632	1.0004	1.0001	1.0016	1.0052	1.0006	1.0049
%RSD	3.506	1.4630	1.0636	1.691	5.674	1.3857	4.838
#1	1.0879	1.0977	1.1086	1.0980	1.0883	1.1597	1.0974
#2	1.0924	1.0983	1.1087	1.0957	1.0937	1.1632	1.1043
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2067	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0402	1.6029	1.1052	1.1102	1.0948	1.0903	20.85
SDev	1.0005	1.0000	1.0048	1.0023	1.0003	1.0077	1.09
%RSD	1.255	1.0047	4.572	2.068	1.2772	8.497	1.4242
#1	1.0595	1.6029	1.1015	1.1118	1.0946	1.0849	20.82
#2	1.0405	1.6029	1.1086	1.1086	1.0949	1.0957	20.95
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	19.01						
SDev	0.1						
%RSD	1.0269						
#1	19.01						
#2	19.00						
Errors	LC Pass						
High	50.00						
Low	-1.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avg	48624	--	--	--	--	--	--
SDev	27.71805	--	--	--	--	--	--
%RSD	1.0570047	--	--	--	--	--	--
#1	48644	--	--	--	--	--	--
#2	48604	--	--	--	--	--	--

Run by: JCAR481 Sample Name: A100459-2 Operator: SD
 Run Time: 10/31/00 18:08:20
 Comment:
 Code: 0000 Corr Factor: 1

Elem	Ag3250	As15082	As1890	As_2496	As4934	As6150	As3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0005	1.874	0.225	1.7701	1.884	1.0003	1.77715

%RSD	42.00	1.2134	14.45	1.1338	1.0785	6.541	1.1875
#1	1.0004	1.571	1.0200	1.7694	1.1884	-1.0003	H778.5
#2	1.0007	1.577	1.0246	1.7709	1.1884	-1.0003	H778.5
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	5.000	5.000	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000
Elem	Co2285	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0001	1.0037	1.0052	1.0686	10.04	H1592.	H8.255
SDev	1.0002	1.0000	1.0003	1.0003	1.04	4.	1.007
%RSD	236.19	1.6480	9.545	1.4921	1.3584	1.2578	1.0848
#1	-1.0001	1.0037	1.0030	1.0684	10.01	H1589.	H8.250
#2	1.0005	1.0037	1.0034	1.0689	10.06	H1595.	H8.260
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mn2070	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Tl1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0105	1.0139	1.0110	1.0112	1.0054	20.84	1.0178
SDev	1.0009	1.0014	1.0011	1.0021	1.0009	1.01	1.0003
%RSD	8.871	10.23	10.15	18.74	16.51	1.0540	1.439
#1	1.0109	1.0129	1.0102	1.0097	1.0060	20.84	1.0180
#2	1.0096	1.0149	1.0116	1.0126	1.0048	20.85	1.0177
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	Zr20371	Zr20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0045	1.3855	1.0077	1.0123	1.0118	1.0019	H726.2
SDev	1.0002	1.0003	1.0019	1.0007	1.0040	1.0007	1.5
%RSD	5.376	1.0839	24.79	5.860	34.44	36.08	1.1048
#1	1.0041	1.3831	1.0065	1.0118	1.0146	1.0014	H726.7
#2	1.0045	1.3856	1.0090	1.0128	1.0089	1.0024	H725.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000
Elem	K_7664						
Units	ppm						
Avg	5.827						
SDev	1.035						
%RSD	1.064						
#1	5.802						
#2	5.853						

Errors LC Pass
 High 50.00
 Low -1.5000

Int.Sta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	571.030	--	--	--	--	--	--
Avg	42989	--	--	--	--	--	--
SDev	61.62602	--	--	--	--	--	--
%RSD	.1435532	--	--	--	--	--	--
#1	43037	--	--	--	--	--	--
#2	42945	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB1 Operator: SD
 Run Time: 10/31/00 18:13:35
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3780	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
High	-1.0001	-0.131	0.013	0.0031	0.001	-1.0003	H.6008
Low	-1.0005	-1.0038	0.011	0.0005	0.0000	-1.0000	0.2757
%RSD	319.1	29.26	84.64	10.77	7.946	3.990	45.88
#1	-1.0005	-0.156	0.0021	0.0034	0.0001	-1.0003	H.7958
#2	0.002	-0.104	0.0005	0.0029	0.0001	-1.0003	0.4059

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
 High 0.0050 0.1000 0.0040 0.1000 0.0050 0.0010 5.000
 Low -1.0050 -1.1000 -1.0040 -1.1000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0001	0.0001	-1.0001	-1.0003	0.160	d.8514	H.0054
SDev	-1.0001	0.0004	-1.0002	-1.0001	0.0057	0.3807	0.0024
%RSD	82.01	285.1	118.5	22.01	22.58	44.71	44.66
#1	-1.0001	-1.0001	-1.0002	-1.0003	0.0134	H1.121	H.0071
#2	-1.0002	0.0004	-1.0000	-0.0007	0.185	d.5822	0.0037

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC High LC High
 High 0.0010 0.0020 0.0050 0.0050 0.0500 0.5000 0.0050
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
High	0.0023	-0.0005	0.0025	-0.0021	0.0025	0.0166	0.0029
Low	0.0000	-1.0003	0.0006	0.0050	0.0016	0.0042	0.0013
%RSD	1502	67.60	26.38	239.8	64.89	25.30	42.32
#1	0.0023	-1.0003	0.0023	-1.0036	0.0014	0.0196	0.0038
#2	0.0023	-1.0007	0.0020	0.014	0.0037	0.136	0.0021

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

Low	- .0050	- .0050	- .0030	- .0100	- .0100	- .0000	- .0100
ELEM	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0007	.0024	.0010	.0029	.0045	.0015	H.9485
SDev	.0000	.0000	.0016	.0002	.0014	.0018	.3568
%RSD	.8762	.2186	151.1	6.677	31.57	136.0	37.62
#1	.0002	.0024	.0022	.0030	.0033	.0001	H1.201
#2	.0002	.0024	-.0001	.0027	.0053	.0026	H.6962
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000

ELEM	K_7664
Units	ppm
Avg	-.0456
SDev	.0497
%RSD	108.6

#1	-.0105
#2	-.0808

Errors	LC Pass
High	.5000
Low	-.5000

UnStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
ELEM	Y	---	---	---	---	---	---
WaveLen	571.030	---	---	---	---	---	---
Avg	47312	---	---	---	---	---	---
SDev	35.14265	---	---	---	---	---	---
%RSD	.0742781	---	---	---	---	---	---
#1	47337	---	---	---	---	---	---
#2	47287	---	---	---	---	---	---

Method: ICP4HT Sample Name: CCV14 Operator: SD
 Run Time: 10/31/00 18:18:43
 Comment:
 Mode: CONC Corr. Factor: 1

ELEM	Ag3280	Al5082	As1890	B_2496	Ba4934	Ba5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.4945	-.0178	H2.630	2.410	L2.292	H2.670	.0541
SDev	.0002	.0030	.020	.008	.000	.000	.0090
%RSD	.0386	17.05	.7465	.3399	.0147	.0127	16.70
#1	.4944	-.0200	2.616	2.404	L2.297	H2.670	.0477
#2	.4947	-.0157	H2.644	2.413	L2.292	H2.670	.0605

Errors	LC Pass	NOCHECK	LC High	LC Pass	LC Low	LC High	NOCHECK
High	.5250		2.625	2.750	2.625	2.625	
Low	.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	H2.747	H2.670	H2.677	L2.330	.2183	.0811	2.601
SDev	.002	.001	.001	.000	.0050	.0140	.001
%RSD	.0616	.0466	.0515	.0135	2.285	17.21	.0215

#1	H2.745	H2.670	H2.676	L2.330	.2147	.0712	2.601
#2	H2.748	H2.671	H2.678	L2.330	.2218	.0909	2.602

Errors	LC High	LC High	LC High	LC Low	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	H2.629	2.585	H2.744	2.491	2.571	.1791	2.624
SDev	.024	.007	.006	.012	.028	.0023	.005
%RSD	.9175	.2686	.2100	.4623	1.087	1.299	.1881

#1	2.612	2.580	H2.748	2.483	2.552	.1808	H2.628
#2	H2.646	2.590	H2.739	2.499	2.591	.1775	2.621

Errors	LC High	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2067	Zn20371	Zn220372	Zn196071	Zn196072	Na3302
Units	oem	oem	oem	oem	oem	oem	oem
Avgc	2.551	H2.975	2.696	2.767	2.515	2.599	49.08
SDev	.002	.001	.004	.007	.011	.036	.11
%RSD	.0774	.0355	.1466	.2409	.4208	1.401	.2207

#1	2.550	H2.974	2.698	2.772	2.507	2.574	49.16
#2	2.552	H2.975	2.693	2.763	2.522	2.625	49.00

Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	oem
Avgc	L23.36
SDev	.00
%RSD	.0035

#1	L23.36
#2	L23.36

Errors	LC Low
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--

Avge	47576	--	--	--	--	--	--
SDev	251.4483	--	--	--	--	--	--
%RSD	.5285247	--	--	--	--	--	--
#1	47398	--	--	--	--	--	--
#2	47755	--	--	--	--	--	--

Method: ICP4HT Sample Name: GCV15 Operator: SD
 Run Time: 10/31/00 18:24:04
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0008	48.65	1.0122	1.0109	1.0002	1.0013	H55.93
SDev	1.0000	1.05	1.0035	1.0014	1.0007	1.0008	1.04
%RSD	1.925	1.094	28.86	12.58	475.5	58.10	1.0710
#1	1.0008	48.66	1.0147	1.0118	1.0007	1.0019	H55.90
#2	1.0008	48.59	1.0097	1.0099	1.0004	1.0008	H55.95

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High		52.50					52.50
Low		47.50					47.50

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0016	1.0024	1.0139	1.0012	H54.19	H56.07	1.0060
SDev	1.0007	1.0007	1.0007	1.0007	1.04	1.05	1.0008
%RSD	45.41	29.10	5.255	61.10	0721	1.0828	13.43
#1	1.0021	1.0029	1.0145	1.0017	H54.16	H56.04	1.0066
#2	1.0011	1.0019	1.0134	1.0007	H54.22	H56.10	1.0054

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0219	1.0063	1.0031	1.0012	1.0315	87.62	1.0016
SDev	1.0069	1.0016	1.0001	1.0048	1.0098	1.01	1.0003
%RSD	51.47	25.65	5.487	405.1	31.29	1.0161	16.49
#1	1.0268	1.0074	1.0032	1.0045	1.0384	87.61	1.0018
#2	1.0170	1.0052	1.0031	1.0022	1.0245	87.63	1.0014

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr20371	Zr20372	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.0042	1.0041	1.0282	1.0097	1.0574	1.0282	1.2484
SDev	1.0012	1.0015	1.0014	1.0005	1.0088	1.0104	1.1181
%RSD	28.73	36.11	4.976	5.364	13.30	56.74	47.56

#1	.0050	.0051	.0292	-.0101	.0456	.0356	.3319
#2	.0055	.0050	.0272	-.0093	.0312	.0209	.1648
Errors High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
LOW							

Elem K_7664
 Units ppm
 Avge -.0012
 SDev .0097
 %RSD 795.1

#1	-.0051
#2	.0056

Errors High
 LOW

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Units	371.030	--	--	--	--	--	--
Avge	46694	--	--	--	--	--	--
SDev	39.59796	--	--	--	--	--	--
%RSD	.0848028	--	--	--	--	--	--

#1	46722	--	--	--	--	--	--
#2	46666	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCB1 Operator: SD

Run Time: 10/31/00 18:29:20

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	.0151	.0058	.0024	.0002	-.0000	.0315
SDev	.0001	.0086	.0016	.0008	.0000	.0000	.0139
%RSD	100.8	56.65	41.99	36.21	11.99	96.50	44.07

#1	-.0002	.0212	H.0049	.0030	.0002	-.0000	.0414
#2	-.0000	.0091	.0027	.0018	.0002	-.0001	.0217

Errors High	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass	IC Pass
LOW	-.0050	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Cu2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0000	-.0000	-.0002	-.0009	.0427	.0340	.0001
SDev	.0000	.0003	.0004	.0000	.0211	.0090	.0001
%RSD	265.8	650.4	173.6	5.895	49.51	26.47	70.11

#1	.0000	-.0002	.0001	-.0008	H.0577	.0405	.0000
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Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1905
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H.0050	-.0010	.0017	-.0001	.0052	.0705	.0006
SDev	.0011	.0001	.0007	.0005	.0000	.0326	.0024
%RSD	22.20	13.60	43.90	377.5	.6016	46.22	297.7
#1	H.0058	-.0011	.0012	.0002	.0052	.0935	.0026
#2	.0042	-.0009	.0022	-.0005	.0052	.0474	-.0009

Errors	LC High	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0050	.0050	.0030	.0100	.0100	1.000	.0100
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn20371	Zn20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0002	.0020	-.0006	.0025	.0067	.0042	.0057
SDev	.0001	.0002	.0002	.0012	.0037	.0017	.0528
%RSD	52.52	10.00	35.15	48.28	54.82	41.28	1421.
#1	.0001	.0019	-.0005	.0016	.0093	.0030	.0411
#2	.0002	.0021	-.0008	.0034	.0041	.0054	-.0536

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	.0020	.0200					.5000
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	-.0651						
SDev	.0392						
%RSD	60.18						
#1	-.0928						
#2	-.0574						

Errors	LC Pass						
High	.5000						
Low	-.5000						
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Count	571.030	---	---	---	---	---	---
Sum	48198	---	---	---	---	---	---
SDev	85.65128	---	---	---	---	---	---
%RSD	.1735583	---	---	---	---	---	---
#1	48257	---	---	---	---	---	---
#2	48139	---	---	---	---	---	---

Method: ICP4HT Sample Name: A100489-2-S; Operator: SF
 Run Time: 10/31/00 18:34:35
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3780	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0484	4.013	1.1241	1.1754	1.2776	1.0098	8802.8
SDev	1.0006	1.005	1.0016	1.004	1.0001	1.0000	1.9
%RSD	1.166	1.0694	1.1265	1.2422	1.0478	1.0317	1.2399
#1	1.0488	4.012	1.1230	1.1751	1.2777	1.0098	8801.5
#2	1.0480	4.015	1.1252	1.1757	1.2775	1.0098	8804.2
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.000	-1.0040	-1.000	-1.0050	-1.0010	-1.5000
Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0103	1.1022	1.0432	1.1082	10.94	11624.	88.315
SDev	1.0001	1.0001	1.0002	1.0004	1.05	7.	1.012
%RSD	1.348	0.935	3.820	4.105	5.140	4.283	1.424
#1	1.0104	1.1022	1.0431	1.1085	10.92	11619.	88.307
#2	1.0102	1.1025	1.0435	1.1079	10.97	11629.	88.324
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC High
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0959	1.1082	1.1139	1.1167	1.015	20.66	1.1113
SDev	1.0037	1.0002	1.0001	1.0005	1.0050	1.05	1.0059
%RSD	5.592	1.1593	1.1228	1.4334	4.887	1.527	5.262
#1	1.0937	1.1083	1.1138	1.1171	1.0980	20.64	1.1155
#2	1.0985	1.1081	1.1140	1.1163	1.1051	20.68	1.1072
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100
Elem	V_2924	Zn2062	Z20371	Z20372	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0443	1.4012	1.1117	1.1147	1.1123	1.0959	8730.1
SDev	1.0001	1.0008	1.0034	1.0015	1.0063	1.0043	1.6
%RSD	1.2320	1.1997	3.086	1.319	3.566	4.532	1.0857
#1	1.0447	1.4007	1.1097	1.1157	1.1078	1.0928	8730.6
#2	1.0443	1.4018	1.1141	1.1136	1.1167	1.0990	8729.7
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Units ppm
 Avge 45.45
 SDev .109
 %RSD .2078

#1 45.57
 #2 45.58

Errors LC Pass
 High 50.00
 Low -.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Z	--	--	--	--	--	--
Wavelength	371.030	--	--	--	--	--	--
Avge	42242	--	--	--	--	--	--
SDev	19.05598	--	--	--	--	--	--
%RSD	.0451110	--	--	--	--	--	--
#1	42279	--	--	--	--	--	--
#2	42256	--	--	--	--	--	--

Method: CAP4M1 Sample Name: A100489-2-52 Operator: SD
 Run Time: 10/31/00 18:39:54
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0472	3.966	.1262	1.738	.2765	.0097	H804.1
SDev	.0002	.0006	.0012	.0004	.0008	.0000	5.9
%RSD	.4456	.1577	.9502	.2297	.2899	.4324	7305

#1 .0470 3.970 .1254 1.741 .2771 .0096 H799.9
 #2 .0475 3.961 .1271 1.735 .2759 .0097 H808.2

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC High
 High 5.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0050 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0100	.1015	.0426	.1076	10.93	H1619.	H8.295
SDev	.0002	.0001	.0002	.0001	.05	9.	.027
%RSD	1.685	.1575	.4835	.0812	.4900	.5487	.3197

#1 .0099 .1012 .0424 .1077 10.89 H1612. H8.276
 #2 .0101 .1014 .0427 .1076 10.97 H1625. H8.314

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC High LC High
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0045	.0011	.0023	.0062	.0012	.00	.0024
%RSD	4.512	1.067	2.030	5.594	1.217	.0171	2.166
#1	.0964	.1060	.1117	.1070	.1023	20.62	.1070
#2	.1028	.1076	.1149	.1158	.1006	20.62	.1105

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2062	220371	220572	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0436	.3798	.1104	.1144	.1104	.0967	H726.4
SDev	.0004	.0023	.0045	.0012	.0032	.0003	.11
%RSD	.9255	.6168	4.077	1.048	2.861	.2845	.1467
#1	.0435	.3781	.1072	.1136	.1126	.0969	H727.1
#2	.0439	.3814	.1136	.1155	.1081	.0965	H725.6

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	44.85
SDev	.25
%RSD	.5665
#1	45.03
#2	44.67

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	41955	--	--	--	--	--	--
SDev	284.8591	--	--	--	--	--	--
%RSD	.6789629	--	--	--	--	--	--
#1	42158	--	--	--	--	--	--
#2	41754	--	--	--	--	--	--

Operator: CAP4HT Sample Name: A100489-1 Operator: SD
 Run Time: 10/31/00 18:45:07
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3780	Al13082	As1690	B_2496	Ba4934	Ca5130	Ca5179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.022	47.75	0.555	1.248	3.805	1.0002	44.21

%RSD	1.137	.7705	3.015	2.145	.9216	8.396	1.157
#1	.0022	46.01	.0545	.1625	.5828	-.0002	45.85
#2	.0022	47.49	.0567	.1675	.5778	-.0002	44.57
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0024	.0153	.0939	.7007	40.68	8.795	.6123
SDev	.0000	.0001	.0031	.0080	.54	.276	.0031
%RSD	1.624	.7116	3.295	1.145	1.330	3.135	.5064

#1	.0024	.0153	.0917	.7058	40.50	8.990	.6101
#2	.0023	.0152	.0961	.6945	41.07	8.600	.6145

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0095	.1353	.1140	.0167	.0083	58.77	.0014
SDev	.0003	.0044	.0007	.0003	.0033	.39	.0021
%RSD	3.670	3.187	.5875	1.806	39.67	.6694	150.6

#1	.0093	.1352	.1145	.0169	.0107	58.49	-.0001
#2	.0097	.1415	.1136	.0165	.0060	59.05	.0028

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0050	-.0100	-.0100	-.1.000	-.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0280	1.440	.1394	.1010	.0247	-.0001	H1729.
SDev	.0023	.038	.0181	.0100	.0083	.0091	.7.
%RSD	8.177	2.657	12.95	9.927	33.77	7862.	.3774

#1	.0264	1.413	.1266	.1081	.0188	.0063	H1734.
#2	.0296	1.467	.1571	.0939	.0306	-.0066	H1725.

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	ppm
Avg	H65.1e
SDev	.99
%RSD	1.455

#1	H65.54
#2	H67.45

Errors: LC High
 High: 50.00
 Low: -1.5000

Int.Sta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	371.050	--	--	--	--	--	--
Avg	44856	--	--	--	--	--	--
SDev	256.8925	--	--	--	--	--	--
%RSD	.5727092	--	--	--	--	--	--
#1	45037	--	--	--	--	--	--
#2	44674	--	--	--	--	--	--

Method: ICP-AES Sample Name: A100477-1 Operator: SD
 Run Time: 10/31/00 18:50:27
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0004	.0199	.0009	.0019	.0003	-1.0003	.1287
SDev	.0007	.0129	.0007	.0004	.0001	.0000	.0485
%RSD	60.99	64.76	16.25	21.65	43.75	6.041	57.68
#1	-1.0002	.0289	.0010	.0016	.0004	-1.0005	.1630
#2	-1.0005	.0108	.0007	.0027	.0002	-1.0003	.0944

Errors: LC Pass
 High: 100.0
 Low: -1.0030

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0004	-1.0001	-1.0004	-1.0006	.0424	.1194	.0010
SDev	.0001	.0004	.0006	.0005	.0235	.0550	.0005
%RSD	28.18	267.2	154.1	50.30	55.38	46.03	51.64
#1	-1.0003	.0001	-1.0009	-1.0002	.0589	.1583	.0014
#2	-1.0004	-1.0004	.0000	-1.0009	.0258	.0806	.0006

Errors: LC Pass
 High: 5.000
 Low: -1.0010

Elem	Mo2020	Ni2516	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0026	-1.0009	.0031	.0008	.0005	.2853	.0026
SDev	.0005	.0005	.0005	.0006	.0010	.0705	.0004
%RSD	10.55	54.47	11.51	74.51	216.5	24.68	16.95
#1	.0024	-1.0013	.0033	.0013	-1.0003	.3332	.0029
#2	.0028	-1.0006	.0028	.0004	.0012	.2555	.0023

Errors: LC Pass

Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2067	Z20371	Z20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-1.0004	.0264	-1.0008	.0048	.0031	-1.0011	2.877
SDev	.0005	.0002	.0017	.0014	.0058	.0013	1.180
%RSD	125.9	.7891	209.2	29.28	188.1	119.3	41.01

#1	-1.0007	.0265	-1.0021	.0057	-1.0010	-1.0002	3.712
#2	-1.0000	.0267	.0004	.0038	.0072	-1.0020	2.045

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0070	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	-1.0054
SDev	.0235
%RSD	430.9

#1	-1.0220
#2	.0111

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Waven	371.030	--	--	--	--	--	--
Avg	50924	--	--	--	--	--	--
SDev	177.4475	--	--	--	--	--	--
%RSD	.3484531	--	--	--	--	--	--

#1	50799	--	--	--	--	--	--
#2	51050	--	--	--	--	--	--

Method: CAP4HI Sample Name: 0061 Operator: SD

Run Time: 10/31/00 18:55:35

Comment:

Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0000	-1.0082	-1.0007	.0008	.0000	-1.0003	.0030
SDev	.0001	.0005	.0005	.0002	.0000	.0000	.0011
%RSD	152.8	5.451	44.45	24.77	167.7	3.254	36.87
#1	.0001	-1.0080	-1.0005	.0006	.0000	-1.0005	.0038
#2	.0000	-1.0084	-1.0010	.0009	-1.0000	-1.0003	.0022

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0050	1.0000	.0040	1.0000	.0050	.0010	1.5000
Low	-1.0050	-1.0000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2786	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0000	-0.0007	-0.0012	0.0127	0.0133	-0.0000
SDev	0.0000	0.0001	0.0000	0.0000	0.0017	0.0013	0.0000
%RSD	19.16	560.0	0.635	2.677	13.46	9.845	0.5317

#1	-0.0002	0.0001	-0.0007	-0.0012	0.0159	0.0142	-0.0000
#2	-0.0002	-0.0001	-0.0007	-0.0011	0.0115	0.0124	-0.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0010	0.0020	0.0050	0.0050	0.0500	0.5000	0.0050
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0016	-0.0009	0.0025	-0.0028	0.0002	0.0407	0.0012
SDev	0.0006	0.0005	0.0001	0.0015	0.0031	0.0055	0.0014
%RSD	39.41	36.99	4.770	54.83	1351.	15.11	119.1

#1	0.0020	-0.0007	0.0023	-0.0038	0.0024	0.0444	0.0022
#2	0.0011	-0.0012	0.0024	-0.0017	-0.0019	0.0369	0.0002

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	0.0050	0.0050	0.0030	0.0100	0.0100	1.000	0.0100
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-1.000	-0.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-0.0002	0.0020	-0.0030	0.0047	0.0017	-0.0008	H.5036
SDev	0.0001	0.0005	0.0002	0.0003	0.0046	0.0023	0.1685
%RSD	65.92	22.75	8.221	6.163	267.6	279.7	33.45

#1	-0.0001	0.0023	-0.0028	0.0045	0.0050	0.0008	H.6226
#2	-0.0003	0.0017	-0.0032	0.0049	-0.0015	-0.0024	0.3845

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	0.0020	0.0200					0.5000
Low	-0.0020	-0.0200					-0.5000

Elem	K_7664
Units	ppm
Avg	0.0390
SDev	0.0164
%RSD	42.02

#1	0.0505
#2	0.0274

Errors	LC Pass
High	0.5000
Low	-0.5000

IncSta	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--

Avg	50308	--	--	--	--	--	--
SDev	58.40813	--	--	--	--	--	--
%RSD	1.161052	--	--	--	--	--	--
#1	50348	--	--	--	--	--	--
#2	50268	--	--	--	--	--	--

Method: ICP4HJ Sample Name: COV16 Operator: SP
 Run Time: 10/31/00 19:00:48
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.4914	-0.0178	H2.645	2.443	L2.303	H2.680	-0.0078
SDev	0.0001	0.0014	0.017	0.002	0.005	0.005	0.0044
%RSD	0.0159	7.765	0.6486	0.617	0.966	0.1851	56.46
#1	1.4914	-0.0188	H2.655	2.447	L2.306	H2.676	-0.0110
#2	1.4913	-0.0168	H2.657	2.444	L2.299	H2.683	-0.0047

Errors	LC Pass	NOCHECK	LC High	LC Pass	LC Low	LC High	NOCHECK
High	1.5250		2.625	2.750	2.625	2.625	
Low	1.4750		2.375	2.250	2.375	2.375	

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.774	H2.685	H2.691	L2.346	0.2159	-0.0080	2.611
SDev	0.008	0.006	0.006	0.007	0.0073	0.0054	0.004
%RSD	0.2837	0.2230	0.2090	0.0804	3.363	67.78	0.1681
#1	H2.769	H2.680	H2.687	L2.347	0.2107	-0.0118	2.607
#2	H2.780	H2.689	H2.695	L2.345	0.2210	-0.0042	2.614

Errors	LC High	LC High	LC High	LC Low	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625			2.625
Low	2.375	2.375	2.375	2.375			2.375

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	H2.656	2.621	H2.763	2.503	2.614	2.185	H2.642
SDev	0.024	0.009	0.018	0.016	0.039	0.0020	0.007
%RSD	0.9139	0.3379	0.6675	0.649	1.481	0.9030	0.2502
#1	2.619	2.615	H2.750	2.491	2.587	0.2199	H2.657
#2	H2.655	H2.627	H2.776	2.514	H2.647	0.2171	H2.646

Errors	LC High	LC Pass	LC High	LC Pass	LC Pass	NOCHECK	LC High
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	Zr0371	Zr0372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	2.367	H3.000	2.716	2.786	2.362	2.640	49.27
SDev	0.005	0.014	0.004	0.025	0.014	0.051	0.157
%RSD	0.1145	4.661	0.647	0.929	0.576	1.939	0.7429

#1	2.565	H2.990	2.713	2.768	2.552	2.604	49.01
#2	2.569	H3.009	2.719	2.804	2.571	2.676	49.52

Errors	IC Pass	IC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	IC Pass
High	2.675	2.675					52.70
Low	2.375	2.375					47.50

Elem K_7664
 Units ppm
 Avge L23.57
 SDev .00
 %RSD .0055

#1	L23.57
#2	L23.57

Errors	IC Low
High	26.75
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
W Len	371.030	--	--	--	--	--	--
Avge	49673	--	--	--	--	--	--
SDev	142.5558	--	--	--	--	--	--
%RSD	.2869622	--	--	--	--	--	--

#1	49774	--	--	--	--	--	--
#2	49573	--	--	--	--	--	--

Method: ICP4HT Sample Name: GCV17 Operator: SD
 Run Time: 10/31/00 19:06:01
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3260	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0001	48.61	.0103	.0092	-.0004	.0009	H56.55
SDev	.00007	.05	.0042	.0014	.00007	.0006	.09
%RSD	818.13	.1068	40.44	15.23	197.4	68.52	.1644

#1	.0004	48.57	.0133	.0102	.0001	.0014	H56.61
#2	-.0006	48.65	.0074	.0082	-.0008	.0005	H56.48

Errors	NOCHECK	IC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	IC High
High		52.50					52.50
Low		47.50					47.50

Elem	Co2263	Co2286	Cr2677	Cu3247	Fa2714	Hg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0007	.0013	.0150	-.0002	H54.43	H56.53	.0053
SDev	.00008	.00007	.00006	.00009	.09	.12	.0007
%RSD	114.77	52.86	3.749	396.19	1658	12075	12.04

#1	.0012	.0011	.0134	.0004	H54.40	H56.41	.0060
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Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High	LC High	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0220	.0057	.0031	.0005	.0316	88.44	-.0024
SDev	.0074	.0001	.0012	.0005	.0078	.05	.0036
%RSD	33.57	1.640	39.54	110.0	24.81	.0618	148.1

#1	.0272	.0057	.0040	.0001	.0372	88.41	.0001
#2	.0168	.0056	.0022	.0005	.0261	88.48	-.0050

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0032	.0038	.0278	-.0095	.0360	.0292	.1002
SDev	.0006	.0011	.0021	.0029	.0030	.0103	.0164
%RSD	19.77	29.88	7.372	30.35	8.378	35.15	16.36

#1	.0036	.0046	.0264	-.0074	.0381	.0365	.1117
#2	.0027	.0030	.0293	-.0115	.0339	.0219	.0886

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Elem	K_7664
Units	ppm
Avg	-.0045
SDev	.0299
%RSD	672.8

#1	.0167
#2	-.0256

Errors	NOCHECK
High	
Low	

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
Len	571.050	---	---	---	---	---	---
Avg	48475	---	---	---	---	---	---
SDev	116.5677	---	---	---	---	---	---
%RSD	.2404705	---	---	---	---	---	---

#1	48397	---	---	---	---	---	---
#2	48557	---	---	---	---	---	---

Method: TCAP4HT Sample Name: JCSA

Operator: S

Run Time: 10751700 19:11:14

Comment:

Mode: CONC. Corr. Factor: 1

Element	Ag3280	Al3082	As1590	R_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0002	458.1	1.0005	-0.0417	-0.0044	-0.0007	461.9
Stdev	1.0001	1.8	1.0015	1.0007	1.0000	1.0000	1.9
%RSD	59.77	11855	250.1	1.650	1.7908	4.387	1.2024
#1	1.0003	458.7	1.0015	-0.0417	-0.0044	-0.0007	461.5
#2	1.0002	457.5	-0.0004	-0.0422	-0.0044	-0.0007	462.6

Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		600.0					600.0
Low		400.0					400.0

Element	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0013	1.0006	1.0029	-0.0041	190.9	542.0	1.0093
Stdev	1.0000	1.0004	1.0000	1.0005	1.0	1.4	1.0001
%RSD	1.875	72.93	1.8550	12.98	1.0170	1.0773	1.009
#1	1.0015	1.0009	1.0028	-0.0037	190.9	541.7	1.0094
#2	1.0014	1.0003	1.0029	-0.0045	191.0	542.3	1.0092

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					240.0	600.0	
Low					160.0	400.0	

Element	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0042	1.0012	-0.0036	-0.0000	1.0130	1.1284	1.0019
Stdev	1.0007	1.0001	1.0015	1.0027	1.0016	1.0321	1.0004
%RSD	17.32	12.02	45.105	7455	12.54	25.04	23.38
#1	1.0047	1.0011	-0.0025	1.0015	1.0118	1.1511	1.0016
#2	1.0037	1.0013	-0.0047	-0.0016	1.0141	1.057	1.0022

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

Element	V_2924	Zn2062	Zr20571	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0025	1.0050	1.2449	-0.1281	1.0392	-0.0004	-0.1004
Stdev	1.0002	1.0003	1.0026	1.0036	1.0051	1.0002	1.0627
%RSD	8.976	5.406	1.060	2.824	13.00	55.10	62.45
#1	1.0026	1.0052	1.2430	-0.1255	1.0356	-0.0003	-0.0561
#2	1.0023	1.0048	1.2467	-0.1306	1.0428	-0.0005	-0.1447

Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							

YSIS Report

10/31/00 07:16:22 PM

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Units ppm
 Avge 10061
 SDev 10266
 SRSD 438.6
 #1 10249
 #2 90127

Errors NOCHECK
 High
 Low

IntStd	1	2	3	4	5	6	7
Node	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
Wavelength	371.030	---	---	---	---	---	---
Avge	48113	---	---	---	---	---	---
SDev	74.49480	---	---	---	---	---	---
SRSD	11548321	---	---	---	---	---	---
#1	48166	---	---	---	---	---	---
#2	48061	---	---	---	---	---	---

Method: ICP-AES Sample Name: (CSA8) Operator: SD
 Run Time: 10/31/00 19:16:28
 Comment:
 Mode: CONC Corr Factor: 1

Elem	Hg3280	Pb3082	As1690	Bi2496	Ba4934	Se5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10555	476.7	10558	15289	10435	10529	482.7
SDev	10006	1.4	10055	10038	10000	10000	1.8
SRSD	1.174	0821	9.785	17225	10377	10682	11594

#1	10530	476.4	10501	15316	10435	10529	482.1
#2	10559	476.9	10576	15267	10435	10529	483.2

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	10600	600.1	10600	16600	10600	10600	600.1
Low	10400	400.0	10400	14400	10400	10400	400.0

Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	10542	10513	10560	10476	199.1	565.5	H.0608
SDev	10000	10004	10006	10001	1.3	1.4	10001
SRSD	10588	17041	11148	1587	11539	7523	17103

#1	10542	10511	10556	10475	198.9	564.5	H.0607
#2	10542	10516	10565	10476	199.3	566.5	H.0609

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC High
High	10600	10600	10600	10600	740.1	600.1	10600
Low	10400	10400	10400	10400	160.0	400.0	10400

Elem	Mn2020	Ni2316	Pb2203	Sr2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0001	.0001	.0010	.0028	.0051	.0000	.0011
%RSD	.2607	.1182	2.050	6.332	9.097	.0072	1.870
#1	.0505	.0513	.0487	.0466	H.0601	.5976	.0577
#2	.0507	.0512	.0501	.0426	.0529	.5975	.0593
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0600	.0600	.0600	.0600	.0600	.6480	.0600
Low	.0400	.0400	.0400	.0400	.0400	.4320	.0400
Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	opm	opm	opm	opm	opm	opm	opm
Avge	.0535	H.0615	.3067	-.0796	.0878	.0405	13.06
SDev	.0003	.0003	.0026	.0002	.0046	.0054	.19
%RSD	.6305	.4251	.8409	.2295	5.265	13.32	1.470
#1	.0533	H.0611	.3049	-.0797	.0911	.0443	12.92
#2	.0538	H.0615	.3085	-.0794	.0845	.0367	13.19
Errors	LC Pass	LC High	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High	.0600	.0600					
Low	.0400	.0400					
Elem	K_7664						
Units	opm						
Avge	8.668						
SDev	.014						
%RSD	.1567						
#1	8.678						
#2	8.658						
Errors	NOCHECK						
High							
Low							
IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	---	---	---	---	---	---
WaveLen	371.030	---	---	---	---	---	---
Avge	45911	---	---	---	---	---	---
SDev	74.74068	---	---	---	---	---	---
%RSD	.1627962	---	---	---	---	---	---
#1	45965	---	---	---	---	---	---
#2	45858	---	---	---	---	---	---

Units ppm
Avge 1485
SDev 1.0189
%RSD 12.70

#1 1.1618
#2 1.1552

Errors LC Pass
High 1.5000
Low -1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	48066	--	--	--	--	--	--
SDev	83.40269	--	--	--	--	--	--
%RSD	1.735182	--	--	--	--	--	--
#1	48007	--	--	--	--	--	--
#2	48125	--	--	--	--	--	--

Mode: GCAP4H1 Sample Name: CCV4 Operator: SD

Run Time: 10/31/00 12:05:16

Comment:

Mode: GUNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	1.4944	-1.0056	2.492	2.366	2.470	2.506	-1.0141
SDev	1.0006	1.0018	1.010	1.005	1.001	1.003	1.0002
%RSD	1.174	31.61	1.4035	1.211	0.232	1.144	1.175

#1 1.4940 -1.0068 2.485 2.364 2.470 2.504 -1.0142
#2 1.4948 -1.0043 2.500 2.368 2.471 2.508 -1.0140

Errors LC Pass NOCHECK LC Pass LC Pass LC Pass LC Pass NOCHECK
High 1.5250 2.625 2.750 2.625 2.625 2.625
Low 1.4750 2.375 2.250 2.375 2.375 2.375

Elem	Cd2265	Co2286	Cc2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.472	2.498	2.502	2.458	1.2001	-1.0111	2.495
SDev	1.004	1.003	1.004	1.001	1.0075	1.0007	1.002
%RSD	1.1812	1.237	1.626	1.0511	3.764	6.341	1.0961

#1 2.469 2.496 2.499 2.457 1.1948 -1.0116 2.495
#2 2.475 2.500 2.505 2.458 1.2054 -1.0106 2.496

Errors LC Pass LC Pass LC Pass LC Pass NOCHECK NOCHECK LC Pass
High 2.625 2.625 2.625 2.625
Low 2.375 2.375 2.375 2.375 2.375 2.375

Elem	Mo2020	Ni2316	Pb2205	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	.0021	.0022	.007	.022	.034	.0016	.003
%RSD	.8407	.0994	.2786	.9042	1.354	.9315	.1087

#1	2.487	2.396	2.479	2.505	2.466	.1747	2.492
#2	2.517	2.399	2.489	2.473	2.513	.1771	2.488

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	NOCHECK	LC Pass
High	2.625	2.625	2.625	2.625	2.625		2.625
Low	2.375	2.375	2.375	2.375	2.375		2.375

Elem	V_2924	Zn2062	2203/1	2203/2	1960/1	1960/2	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	2.486	2.531	2.487	2.485	2.469	2.500	50.19
SDev	.004	.004	.004	.009	.017	.042	.02
%RSD	.1509	.1600	.1435	.3460	.7034	1.675	.0406

#1	2.483	2.528	2.479	2.479	2.457	2.470	50.21
#2	2.489	2.534	2.484	2.491	2.481	2.529	50.16

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	2.625	2.625					52.70
Low	2.375	2.375					47.50

Elem	K_7664
Units	ppm
Avge	24.69
SDev	.03
%RSD	.1094

#1	24.71
#2	24.68

Errors	LC Pass
High	26.25
Low	23.75

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Wavlen	371.030	--	--	--	--	--	--
Avge	47621	--	--	--	--	--	--
SDev	23.75713	--	--	--	--	--	--
%RSD	.0498876	--	--	--	--	--	--
#1	47638	--	--	--	--	--	--
#2	47605	--	--	--	--	--	--

Method: ICP-AES Sample Name: CCV5 Operator: SD
 Run Time: 10/31/00 12:10:51
 Comment:
 Code: 0000 Corr Factor: 1

Elem	Hd3750	As15052	As1690	B_2496	Na4934	Re3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

%RSD	21.26	.1819	56.76	25.06	75.93	50.55	.0069
#1	.0017	49.57	.0198	.0125	.0030	.0039	50.40
#2	.0015	49.70	.0085	.0088	.0009	.0018	50.40
Errors	NOCHECK	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High		52.50					52.50
Low		47.50					47.50
Elem	Co2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0030	.0034	.0144	.0039	50.34	50.37	.0072
SDev	.0014	.0015	.0020	.0014	.00	.02	.0014
%RSD	45.09	44.29	13.85	36.74	.0082	.0321	20.06
#1	.0040	.0045	.0158	.0049	50.34	50.36	.0082
#2	.0021	.0025	.0130	.0029	50.35	50.38	.0062
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	LC Pass	NOCHECK
High					52.50	52.50	
Low					47.50	47.50	
Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0216	.0070	.0035	.0056	.0303	85.77	.0052
SDev	.0077	.0010	.0008	.0034	.0105	.16	.0068
%RSD	35.81	14.69	21.95	60.55	34.59	.1880	130.5
#1	.0271	.0077	.0041	.0032	0577	85.66	.0101
#2	.0162	.0063	.0030	.0081	.0229	85.89	.0004
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass	NOCHECK
High						94.00	
Low						77.00	
Elem	V_2924	Zn2062	Zn20571	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0047	.0041	.0210	-.0055	.0331	.0267	.1106
SDev	.0017	.0019	.0037	.0006	.0113	.0100	.2743
%RSD	35.54	46.19	17.41	10.16	34.15	35.01	248.0
#1	.0059	.0055	.0235	-.0059	.0411	.0358	.3046
#2	.0035	.0026	.0184	-.0051	.0251	.0216	-.0833
Errors	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK	NOCHECK
High							
Low							
Elem	K_7664						
Units	ppm						
Avg	.2122						
SDev	.0406						
%RSD	19.12						
#1	.2409						
#2	.1835						

Errors NOCHECK
High
Low

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
WaveLen	371.050	--	--	--	--	--	--
Avgc	46530	--	--	--	--	--	--
SDev	9.650903	--	--	--	--	--	--
%RSD	.0208306	--	--	--	--	--	--
#1	46524	--	--	--	--	--	--
#2	46537	--	--	--	--	--	--

Method: ICP4HI Sample Name: CCL Operator: SD
 Run Time: 10/31/00 12:15:44
 Comment:
 Mode: CDNC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	R_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	-.0000	.0578	.0021	.0021	.0003	.0000	.0518
SDev	.00006	.0310	.0014	.0005	.0002	.0001	.0298
%RSD	59180.	58.66	67.52	25.23	68.97	1254.	57.42
#1	.0004	.0747	.0032	.0025	.0004	.0001	.0729
#2	-.0004	.0309	.0011	.0017	.0001	-.0001	.0308

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	.0030	.1000	.0040	.1000	.0050	.0010	.5000
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Pb2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	.0001	.0001	-.0000	.0005	H.0706	.0530	.0001
SDev	.0001	.0004	.0004	.0004	.0394	.0324	.0001
%RSD	55.82	544.8	2014.	84.43	55.91	61.19	137.9
#1	.0002	.0004	.0003	.0008	H.0984	.0760	.0002
#2	.0001	-.0002	-.0003	.0002	.0427	.0301	.0000

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC High	LC Pass	LC Pass
High	.0010	.0020	.0050	.0050	.0500	.5000	.0050
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2070	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Value	.0045	-.0004	.0027	.0002	.0050	.1421	.0035
SDev	.0016	.0006	.0006	.0020	.0047	.0591	.0024
%RSD	35.02	152.6	21.91	1075.	94.36	41.56	69.65
#1	H.0056	.0000	H.0031	.0016	.0085	.1838	.0052
#2	.0034	-.0008	.0023	-.0012	.0017	.1003	.0018

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass

Low	-1.0050	-1.0050	-1.0050	-1.0100	-1.0100	-1.0000	-1.0100
Elem	V_2924	Zn2062	Zr0371	Zr0372	Yb0171	Yb0172	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0004	1.0010	1.0025	1.0026	1.0116	1.0014	1.1359
SDev	1.0003	1.0005	1.0007	1.0012	1.0057	1.0042	1.1261
%RSD	78.29	50.13	29.80	47.46	49.60	302.1	94.17
#1	1.0006	1.0014	1.0018	1.0034	1.0156	1.0044	1.2231
#2	1.0002	1.0007	1.0028	1.0017	1.0075	1.0016	1.0447
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	1.0020	1.0200					1.5000
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	1.1565
SDev	1.0200
%RSD	12.78

#1	1.706
#2	1.1425

Errors	LC Pass
High	1.5000
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
Wavlen	371.1030	--	--	--	--	--	--
Avg	47585	--	--	--	--	--	--
SDev	190.3167	--	--	--	--	--	--
%RSD	1.3999500	--	--	--	--	--	--
#1	47451	--	--	--	--	--	--
#2	47720	--	--	--	--	--	--

Method: ICP4RH1 Sample Name: A100655-10-11 5005 Operator: SD

Run Time: 10/31/00 12:20:52

Comment:

Unit: CONC Corr. Factor: 1

Elem	Ag5280	Al3082	As1890	B_2496	Ba4934	Be5130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0454	1.994	1.001	1.9052	1.0984	1.0098	18.81
SDev	1.0005	1.005	1.0002	1.0007	1.0001	1.0000	1.04
%RSD	1.071	1.502	1.047	1.0763	1.0904	1.2754	1.968
#1	1.0450	1.992	1.003	1.9057	1.0983	1.0098	18.79
#2	1.0457	1.995	1.000	1.9047	1.0985	1.0098	18.84

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.0000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0000	-100.0	-5.000	-5.000	-5.000	-5.000	-100.0

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	.0096	.0977	.0394	.0403	.9571	18.89	.0401
SDev	.0002	.0002	.0005	.0003	.0092	.03	.0002
%RSD	2.375	.2357	1.217	.6911	.9617	.1566	.3987

#1	.0094	.0971	.0390	.0401	.9506	18.87	.0400
#2	.0097	.0974	.0397	.0405	.9636	18.91	.0402

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	.0949	.0927	.0981	.0996	.0962	.1130	.0950
SDev	.0032	.0000	.0005	.0014	.0023	.0043	.0030
%RSD	3.339	.0203	.4667	1.455	2.368	3.775	3.186

#1	.0926	.0927	.0978	.1006	.0946	.1100	.0929
#2	.0971	.0927	.0984	.0986	.0978	.1160	.0972

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-.1000	-.0100

Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	cpm	cpm	cpm	cpm	cpm	cpm	cpm
Avgc	.0396	.1029	.0965	.0986	.0990	.0946	21.34
SDev	.0005	.0000	.0001	.0006	.0016	.0026	.021
%RSD	1.361	.0317	.0684	.6674	1.641	2.755	.9746

#1	.0392	.1029	.0964	.0982	.0979	.0927	21.20
#2	.0399	.1029	.0965	.0991	.1002	.0964	21.49

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000

Elem	K_7664
Units	cpm
Avgc	19.43
SDev	.01
%RSD	.0415

#1	19.42
#2	19.43

Errors	LC Pass
High	50.00
Low	-.5000

Int.Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Flow	---	---	---	---	---	---	---

Avge	48257	--	--	--	--	--	--
SDev	61.62325	--	--	--	--	--	--
%RSD	.1276957	--	--	--	--	--	--
#1	48300	--	--	--	--	--	--
#2	48213	--	--	--	--	--	--

Method: ICP4H1 Sample Name: A100655-10-L2 Operator: Sfr
 Run Time: 10/31/00 12:26:11
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3760	Al5082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0430	1.994	.1003	.9109	.0983	.0098	18.89
SDev	.0001	.007	.0022	.0005	.0001	.0000	.00
%RSD	.1144	.3364	2.217	.0500	.0570	.1880	.0070
#1	.0430	1.989	.1019	.9112	.0985	.0098	18.90
#2	.0430	1.998	.0987	.9106	.0984	.0098	18.89

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0050	-1.000	-1.0040	-1.0000	-1.0050	-1.0010	-1.5000

Elem	Cd2765	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0095	.0972	.0390	.0403	.9556	18.94	.0397
SDev	.0001	.0002	.0001	.0002	.0018	.00	.0000
%RSD	1.351	.2053	.2751	.4162	.1845	.0131	.0117
#1	.0096	.0971	.0390	.0404	.9543	18.94	.0397
#2	.0094	.0974	.0391	.0402	.9568	18.94	.0397

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0965	.0920	.0950	.0992	.0948	.0984	.0983
SDev	.0008	.0005	.0006	.0007	.0019	.0005	.0004
%RSD	.7787	.5131	.6467	.6734	1.974	.4895	.3856
#1	.0959	.0924	.0984	.0987	.0935	.0981	.0980
#2	.0970	.0917	.0975	.0997	.0961	.0987	.0985

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0030	-1.0100	-1.0100	-1.000	-1.0100

Elem	V_2924	Zn2067	Zr20371	Zr20372	Zr6071	Zr6072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0594	.1117	.0954	.0990	.0976	.0931	21.35
SDev	.0001	.0001	.0005	.0011	.0014	.0021	.05
%RSD	.1700	.0717	.5222	.1102	.1433	.2255	.2317

Analysis Report

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#1	.0393	.1116	.0957	.0998	.0966	.0917	21.31
#2	.0394	.1118	.0956	.0987	.0986	.0946	21.39
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem K_7664
 Units ppm
 Avge 19.37
 SDev .01
 %RSD .0638

#1	19.36
#2	19.38

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	K	---	---	---	---	---	---
Units	ppm	---	---	---	---	---	---
Avge	371.030	---	---	---	---	---	---
SDev	47991	---	---	---	---	---	---
%RSD	59.89415	---	---	---	---	---	---
	.1248030	---	---	---	---	---	---
#1	47949	---	---	---	---	---	---
#2	48033	---	---	---	---	---	---

Method: ICP-AES Sample Name: A100655-10 Operator: SD
 Run Time: 10/31/00 12:31:25
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1890	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0005	.0137	.0193	.4116	.2635	-.0003	48.14
SDev	.0006	.0037	.0000	.0005	.0000	.0000	.08
%RSD	111.6	23.32	.0203	.1109	.0045	2.725	.1559
#1	.0009	.0160	.0195	.4113	.2654	-.0003	48.09
#2	.0001	.0115	.0193	.4119	.2635	-.0003	48.19

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-1.0030	-1.1000	-1.0040	-1.1000	-1.0050	-1.0010	-1.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	-.0003	.0005	.0006	.0057	-.0130	15.33	.1046
SDev	.0000	.0004	.0007	.0007	.0029	.00	.0003
%RSD	16.53	86.59	57.88	5.429	22.72	.0064	.0789

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-1.0010	-1.0020	-1.0050	-1.0050	-1.0500	-1.5000	-1.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sa1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0069	1.0005	1.0037	1.0027	1.0115	46.51	1.0035
SDev	1.0001	1.0003	1.0002	1.0022	1.0029	1.50	1.0002
%RSD	1.295	102.9	5.914	101.1	25.51	1.082	6.917

#1	1.0070	1.0005	1.0031	1.0038	1.0135	46.16	1.0037
#2	1.0069	1.0003	1.0035	1.0006	1.0094	46.87	1.0035

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-1.0050	-1.0050	-1.0050	-0.0100	-1.0100	-1.0000	-0.0100

Elem	V_2924	Zn2067	Z20371	Z20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	1.0358	1.0051	1.0051	1.0061	1.0075	1.0137	92.11
SDev	1.0007	1.0000	1.0025	1.0010	1.0007	1.0047	1.01
%RSD	1.5185	1.5615	80.65	15.99	9.515	35.76	1.0102

#1	1.0356	1.0051	1.0049	1.0068	1.0068	1.0166	92.12
#2	1.0359	1.0051	1.0013	1.0054	1.0078	1.0099	92.10

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-1.0020	-1.0200					-1.5000

Elem	K_7664
Units	ppm
Avg	5.652
SDev	1.028
%RSD	1.4909

#1	5.632
#2	5.671

Errors	LC Pass
High	50.00
Low	-1.5000

IntStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	Y	--	--	--	--	--	--
Len	371.050	--	--	--	--	--	--
Avg	47937	--	--	--	--	--	--
SDev	12.1257E	--	--	--	--	--	--
%RSD	0.252955	--	--	--	--	--	--

#1	47928	--	--	--	--	--	--
#2	47945	--	--	--	--	--	--

Method: ICP4HF Sample Name: A100653-10-S1 Operator: S1
 Run Time: 10/31/00 12:36:39
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1590	R_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0455	2.029	0.1168	1.315	0.3600	0.0098	66.04
SDev	0.0004	0.001	0.0017	0.001	0.0003	0.0000	0.04
%RSD	1.015	0.0429	1.491	0.0708	0.0233	0.0363	0.0551
#1	0.0436	2.030	0.1156	1.316	0.3599	0.0098	66.06
#2	0.0450	2.029	0.1180	1.314	0.3600	0.0098	66.01

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-0.0030	-0.1000	-0.0040	-0.1000	-0.0050	-0.0010	-0.5000

Elem	Cd2265	Co2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0090	0.0964	0.0396	0.0460	0.9335	34.41	0.1427
SDev	0.0002	0.0005	0.0000	0.0004	0.0088	0.02	0.0000
%RSD	2.317	0.4830	0.0250	0.9525	0.9419	0.0521	0.0141
#1	0.0091	0.0968	0.0396	0.0464	0.9397	34.43	0.1428
#2	0.0088	0.0961	0.0396	0.0457	0.9275	34.40	0.1427

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-0.0010	-0.0020	-0.0050	-0.0050	-0.0500	-0.5000	-0.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Sr1960	Si2881	Ti1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0968	0.0920	0.0967	0.1013	0.0971	49.10	0.0978
SDev	0.0021	0.0001	0.0015	0.0009	0.0001	0.15	0.0027
%RSD	2.189	0.0951	1.547	0.9075	0.0855	0.2562	2.783
#1	0.0955	0.0921	0.0957	0.1019	0.0970	49.01	0.0997
#2	0.0983	0.0919	0.0978	0.1006	0.0971	49.19	0.0959

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.1000	-0.0100

Elem	V_2924	Zn2062	Zr20371	Zr20372	Zr196071	Zr196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0751	0.1006	0.0963	0.0966	0.0995	0.0956	H112.1
SDev	0.0005	0.0001	0.0018	0.0014	0.0009	0.0005	0.0
%RSD	0.4421	0.0456	1.858	1.397	0.9083	0.5420	0.0079
#1	0.0755	0.1007	0.0950	0.0957	0.0988	0.0959	H112.1
#2	0.0748	0.1005	0.0975	0.0976	0.1001	0.0954	H112.1

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-0.0020	-0.0200					-0.5000

Units ppm
 Avge 28.56
 SDev .01
 %RSD .0513

#1 28.55
 #2 28.57

Errors LC Pass
 High 50.00
 Low -1.5000

Int.Std	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	---	---	---	---	---	---
WavLen	371.030	---	---	---	---	---	---
Avge	47083	---	---	---	---	---	---
SDev	11.63155	---	---	---	---	---	---
%RSD	.0247042	---	---	---	---	---	---
#1	47091	---	---	---	---	---	---
#2	47074	---	---	---	---	---	---

Method: TOAP4HI Sample Name: A100655-10-52 Operator: SD
 Run time: 10/31/00 12:41:54
 Comment:
 Code: CONC Corr. Factor: 1

Elem	Ag3280	Al3082	As1590	B_2496	Ba4934	Ba3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0439	2.029	.1165	1.318	.3614	.0097	66.21
SDev	.0001	.001	.0024	.001	.0001	.0000	.105
%RSD	.1828	.0718	2.042	.1106	.0402	.2077	.0484

#1 .0439 2.028 .1149 1.317 .3613 .0097 66.23
 #2 .0440 2.030 .1182 1.319 .3615 .0097 66.19

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -.0050 -.1000 -.0040 -.1000 -.0050 -.0010 -.5000

Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avge	.0092	.0966	.0397	.0459	.9379	34.48	.1436
SDev	.0001	.0001	.0002	.0001	.0017	.02	.0001
%RSD	.8919	.1016	.5851	.1277	.1767	.0570	.0352

#1 .0091 .0966 .0398 .0459 .9390 34.49 .1436
 #2 .0092 .0967 .0395 .0459 .9367 34.46 .1436

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -.0010 -.0020 -.0050 -.0050 -.0500 -.5000 -.0050

Elem	Mo2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

SDev	0010	0012	0008	0004	0014	005	0001
%RSD	1.033	1.314	0.8620	0.3477	1.393	0.1053	0.0629
#1	0.0975	0.0922	0.0965	0.1044	0.0985	49.93	0.0975
#2	0.0990	0.0905	0.0977	0.1050	0.1005	50.01	0.0974

Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-0.0050	-0.0050	-0.0030	-0.0100	-0.0100	-0.000	-0.0100

Elem	V_2924	Zn2067	220371	220372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	0.0751	0.1009	0.0928	0.0990	0.1009	0.0985	1113.0
SDev	0.0002	0.0001	0.0012	0.0019	0.0028	0.0007	0.0001
%RSD	0.3145	0.0520	1.282	1.868	2.811	0.6706	0.0570

#1	0.0752	0.1009	0.0936	0.0977	0.0989	0.0981	1115.1
#2	0.0749	0.1008	0.0919	0.1005	0.1029	0.0990	1113.0

Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC High
High	5.000	5.000					100.0
Low	-0.0020	-0.0200					-5000

Elem	K_7664
Units	ppm
Avg	28.54
SDev	0.05
%RSD	0.1850

#1	28.50
#2	28.58

Errors	LC Pass
High	50.00
Low	-0.5000

Inst	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Flam	Y	--	--	--	--	--	--
WaveLen	371.050	--	--	--	--	--	--
Avg	47257	--	--	--	--	--	--
SDev	101.4698	--	--	--	--	--	--
%RSD	0.2147207	--	--	--	--	--	--
#1	47328	--	--	--	--	--	--
#2	47185	--	--	--	--	--	--

Operator: SD
 Sample Name: A100651-1
 Run Time: 10/31/00 12:47:05
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Ag3280	Al5082	As1890	B_2496	Ba4934	Re3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm

%RSD	46.57	.3387	2.760	.2735	.2199	3.890	.1201
#1	.0006	.0992	.0089	.1540	.1134	-.0003	59.99
#2	.0003	.0957	.0092	.1534	.1130	-.0003	60.09
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	1.000	100.0	5.000	5.000	5.000	5.000	100.0
Low	-.0030	-.1000	-.0040	-.1000	-.0050	-.0010	-.5000
Elem	Cd2265	Cd2286	Cr2677	Cu3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	-.0001	.0009	.0002	.0035	.0958	21.14	.0084
SDev	.0000	.0002	.0001	.0000	.0014	.00	.0000
%RSD	34.50	23.09	29.27	.9976	1.477	.0035	.4111
#1	-.0001	.0010	.0002	.0035	.0958	21.14	.0084
#2	-.0001	.0007	.0002	.0035	.0976	21.14	.0083
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	100.0	100.0	5.000
Low	-.0010	-.0020	-.0050	-.0050	-.0500	-.5000	-.0050
Elem	Mn2020	Ni2316	Pb2203	Sb2068	Se1960	Si2881	Ti1906
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0056	.0031	.0026	-.0005	.0031	33.75	.0026
SDev	.0015	.0001	.0003	.0020	.0009	.02	.0002
%RSD	41.77	4.642	13.33	370.1	28.32	.0501	8.597
#1	.0047	.0032	.0023	.0009	.0025	33.72	.0030
#2	.0026	.0030	.0028	-.0020	.0037	33.74	.0027
Errors	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass	LC Pass
High	5.000	5.000	5.000	5.000	5.000	171.0	5.000
Low	-.0050	-.0050	-.0030	-.0100	-.0100	-1.000	-.0100
Elem	V_2924	Zn2062	Zn20371	Zn20372	196071	196072	Na3302
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avg	.0284	.0106	-.0019	.0045	.0056	.0015	52.45
SDev	.0002	.0003	.0006	.0008	.0002	.0014	.22
%RSD	.7955	2.542	29.81	17.67	3.085	95.15	.4220
#1	.0283	.0106	-.0015	.0039	.0058	.0005	52.61
#2	.0286	.0104	-.0023	.0051	.0055	.0024	52.30
Errors	LC Pass	LC Pass	NOCHECK	NOCHECK	NOCHECK	NOCHECK	LC Pass
High	5.000	5.000					100.0
Low	-.0020	-.0200					-.5000
Elem	K_7664						
Units	ppm						
Avg	4.179						
SDev	.011						
%RSD	.2734						
#1	4.187						

Errors LC Pass
High 50.00
Low -15000

intStd	1	2	3	4	5	6	7
Mode	Counts	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED	NOTUSED
Elem	r	--	--	--	--	--	--
WaveLen	371.030	--	--	--	--	--	--
Avgc	47146	--	--	--	--	--	--
SDev	36.62868	--	--	--	--	--	--
%RSD	.0776919	--	--	--	--	--	--
#1	47170	--	--	--	--	--	--
#2	47172	--	--	--	--	--	--

Method: ICP4HI Sample Name: A100651-2 Operator: SD
 Run Time: 10/31/00 12:52:24
 Comment:
 Mode: CONC Corr. Factor: 1

Elem	Aq3280	Al3082	As1890	B_2496	Ba4934	Be3130	Ca3179
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-0.001	0.0550	0.0066	0.1515	0.1121	-0.0003	59.69
SDev	0.0001	0.0005	0.0032	0.0005	0.0002	0.0000	0.19
%RSD	55.15	0.8503	48.03	0.621	0.1867	0.3925	0.178
#1	-0.001	0.0555	0.0088	0.1516	0.1120	-0.0003	59.82
#2	-0.002	0.0546	0.0044	0.1513	0.1123	-0.0003	59.56

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 1.000 100.0 5.000 5.000 5.000 5.000 100.0
 Low -1.0050 -1.0000 -1.0040 -1.0000 -1.0050 -1.0010 -1.5000

Elem	Cd2265	Cu2286	Cr2677	Co3247	Fe2714	Mg2790	Mn2576
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	-0.0004	0.0004	-0.0001	0.0027	0.0262	20.96	0.0070
SDev	0.0001	0.0004	0.0004	0.0002	0.0012	0.07	0.0000
%RSD	14.31	91.15	392.0	6.382	4.722	0.3292	0.4116
#1	-0.0005	0.0006	0.0002	0.0029	0.0255	21.01	0.0071
#2	-0.0004	0.0001	-0.0003	0.0026	0.0271	20.91	0.0070

Errors LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass LC Pass
 High 5.000 5.000 5.000 5.000 100.0 100.0 5.000
 Low -1.0010 -1.0020 -1.0050 -1.0050 -1.0500 -1.5000 -1.0050

Elem	Mo2020	Ni2316	Pb2205	Sb2065	Se1960	Si2881	Tl1908
Units	ppm	ppm	ppm	ppm	ppm	ppm	ppm
Avgc	0.0018	0.0035	0.0072	-0.0012	0.0007	33.35	0.0034
SDev	0.0007	0.0010	0.0005	0.0030	0.0005	0.05	0.0074
%RSD	40.66	29.48	24.92	241.6	74.91	0.0959	220.2
#1	0.0025	0.0040	0.0018	0.0009	0.0005	33.55	-0.0019
#2	0.0013	0.0026	0.0025	-0.0033	0.0010	33.57	0.0086

