0047820

9106L922-WES
1100-EM-1

ISOTOPES

WESTON / WESTONHOUSE/HANDFORD

Case Narrative/Cover Sheet for Reports of Analysis and Lab Data

Date 11/14/91 West

TI #'s 44109 - 44112 9106L922

WO #'s 4-2593 I Sub

Comments:

None

Contents;

Reports of Analysis	1	Pages
Gross Alpha	2	Pages
Gross Beta	-	Pages
Sr-90	4	Pages
Radium 228	4	Pages
Radium 226	4	Pages
Tritium	1	Pages
C-O-C	1	Pages
Other	-	Pages

TELEDYNE ISOTOPES

REPORT OF ANALYSIS

RUN DATE 11/12/91

WORK ORDER NUMBER	CUSTOMER P.O. NUMBER	DATE RECEIVED	DELIVERY DATE	PAGE 1
4-2593	LL-0850-F4	07/02/91	08/04/91	

MS JOSIE KING
WESTON/WESTINGHOUSE/HANFORD
208 WELSH POOL ROAD
PICKERING CREEK INDUSTRIAL PARK
LIONVILLE PA 19341-1313

W A T E R

TELEDYNE SAMPLE NUMBER	CUSTOMER'S IDENTIFICATION	STA NUM	COLLECTION-DATE START DATE	START TIME	STOP DATE	STOP TIME	NUCLIDE	ACTIVITY (PCI/LITER)	NUCL-UNIT-% U/M *	MID-COUNT TIME DATE	MID-COUNT TIME TIME	VOLUME - UNITS ASH-WGHT-% *	LAB.
44109	9106L922-001	B00ZG3	06/17				RA-226	L.T. 5. E-01		08/05			2
							GR-A	L.T. 3. E 00		08/07			3
							GR-B	9.7 +-2.9 E 00		08/07			3
							SR-90	L.T. 4. E-01		08/13			3
							RA-228	L.T. 2. E 00		08/27			3
							H-3	L.T. 1. E 02		09/14			5
44110	9106L922-002	B00ZHI	06/17				RA-226	L.T. 2. E-01		08/02			2
							GR-A	4.1 +-3.3 E 00		08/07			3
							GR-B	6.5 +-0.6 E 01		08/07			3
							SR-90	L.T. 3. E-01		08/13			3
							RA-228	L.T. 2. E 00		08/27			3
							H-3	L.T. 1. E 02		09/14			5
44111	9106L922-003	B00Z86	06/18				RA-226	L.T. 6. E-01		08/02			2
							GR-A	L.T. 2. E 00		08/08			3
							GR-B	L.T. 3. E 00		08/08			3
							SR-90	L.T. 4. E-01		08/13			3
							RA-228	L.T. 2. E 00		08/27			3
							H-3	L.T. 1. E 02		09/14			5
44112	9106L922-004	B00ZF9	06/17				RA-226	L.T. 9. E-01		08/05			2
							GR-A	L.T. 4. E 00		08/09			3
							GR-B	5.0 +-0.5 E 01		08/08			3
							SR-90	L.T. 3. E-01		08/13			3
							RA-228	L.T. 6. E-01		08/27			3
							H-3	L.T. 1. E 02		09/14			5

LAST PAGE OF REPORT

APPROVED BY J. GUENTHER 11/12/91

SEND 1 COPIES TO WE884S MS JOSIE KING

2 - GAS LAB. 3 - RADIO CHEMISTRY LAB. 4 - GE(LI) GAMMA SPEC LAB. 5 - TRITIUM GAS/L.S. LAB. 6 - ALPHA SPEC LAB.

RADIOCHEMICAL WORK SHEET - GROSS BETA/GROSS ALPHA

CUSTOMER Weston/Weight/Hawk. COLLECTION DATE 6/12 SAMPLE TYPE WS

ANALYST JC PREPARATION DATE 8/7/91 ALIQUOT None UNITS

COUNTER A- G1 COUNT DATE: START 8/7 STOP

SAMPLE NUMBER	ANALYSIS	WEIGHT OF MOUNT (grams)	Sequence Number	N (counts)	ΔT (min)	Bkg. (cpm)	E	VOLUME OR WEIGHT (gms) WET ASH 1 %	ACTIVITY
44109	α-β	.0513	2	187	100	.78	.336		9.7 ± 2.9 E 00
									L.T 4. E 00
	-α			14		.06	.113		L.T 3. E 00
									2.1 ± 2.4 E 00
									. E
44100	-β	.1019	3	747		.78	.311		6.5 ± 0.6 E 01
									L.T 4. E 00
	-α			18		.06	.088		4.1 ± 3.3 E 00
									L.T 4. E 00
									. E

UNITS CODE A

CALC. BY SH DATE AUG 13 1991

CHECKED BY [illegible] DATE 8/13/91

DATE ENTERED AUG 13 1991

FORM INL-3B
Revised 06/15/81

RADIOCHEMICAL WORK SHEET - GROSS BETA/GROSS ALPHA

CUSTOMER Weston/Cosbat/Idaho F. COLLECTION DATE ~~8/12~~ #11 - 6/18 - 6/17 SAMPLE TYPE WO

ANALYST JC PREPARATION DATE 8/4/91 ALIQUOT 150 ml UNITS

COUNTER A- 3 COUNT DATE: START 8/8 STOP

SAMPLE NUMBER	ANALYSIS	WEIGHT OF MOUNT (grams)	Sequence Number	N (counts)	ΔT (min)	Bkg. (cpm)	E	VOLUME OR WEIGHT (gms) WET ASH	ACTIVITY
44111	Gr-β	.0237	2	93	100	.92	.358		L.T 3. E00
									7.7 ± 210.5 E-02
	-α			8		.08	.161		L.T 2. E00
									0.0 ± 1.5 E00
									. E
44112	-β	.1208	3	626		.92	.323		5.0 ± 0.5 E01
									L.T 4. E00
	-α			29					. E
									. E
									. E

44117 8/9 G.-1 6/100 (.06) L.T. 4. E00 (.081) ✓
0.0 ± 2.6 E00

UNITS CODE A

CALC. BY SH DATE AUG 12 1991

CHECKED BY [illegible] DATE 8/13/91

DATE ENTERED AUG 13 1991

FORM IWL-3B
Revised 06/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER	NUCLIDE
44109	Ra-228

CUSTOMER Weston-Westinghouse-Hanford COLLECTION DATE 6/17

MOUNTING DATE 8/1/91 SAMPLE TYPE WS

VOLUME _____ UNITS _____ ALIQUOT 500ml

SCAVENGE DATE _____ TIME _____ YIELD 94.38 NUCLIDE _____ ASH WT. _____ gms

MILKING DATE _____ TIME _____ YIELD .0588 NUCLIDE _____ WET WT. _____ gms

ANALYST TG/AWA INGROWTH FACTOR _____ DECAY FACTOR (MILK TO COUNT) _____, ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8-27	0505	PR	11	6+75 105	0.105	0.145	-.05	0.085	LT 2.E 00

	Decay Factor	INTERVAL Collm to Ct	Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL
L.T. 2.E 00

UNITS pCi CALC. BY [illegible] DATE 8/29/91

ENTERED AUG 29 1991 CHECKED BY Jom DATE 8-29

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER	NUCLIDE
44110	Ra-228

CUSTOMER Weston-Westinghouse-Hanford COLLECTION DATE 6/17

MOUNTING DATE 8/1/91 SAMPLE TYPE WO

VOLUME _____ UNITS _____ ALIQUOT 500 ml

SCAVENGE DATE _____ TIME _____ YIELD 91.81 NUCLIDE _____ ASH WT. _____ gms

MILKING DATE _____ TIME _____ YIELD .0572 NUCLIDE _____ WET WT. _____ gms

ANALYST TG/AWA INGROWTH FACTOR _____ DECAY FACTOR (MILK TO COUNT) _____ ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8-27	0950	Pm	13	5365 / 89.4	0.145	0.145	.000	0.085	LT 2. E 00

	Decay Factor	INTERVAL Collm to Ct	INTERVAL Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL
L.T 2.E 00

UNITS A CALC. BY RL DATE 8/29/91

ENTERED AUG 30 1991 CHECKED BY [illegible] DATE 8-29

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER	NUCLIDE
4 4 1 1 1	Ra-228

CUSTOMER Weston-Westingh-Hanford COLLECTION DATE 6/18

MOUNTING DATE 8/1/91 SAMPLE TYPE WO

VOLUME _____ UNITS _____ ALIQUOT 500 ml

SCAVENGE DATE _____ TIME _____ YIELD 95.67 NUCLIDE _____ ASH WT. _____ gms

MILKING DATE _____ TIME _____ YIELD .0596 NUCLIDE _____ WET WT. _____ gms

ANALYST TG/AWA INGROWTH FACTOR _____ DECAY FACTOR (MILK TO COUNT) _____ ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8-27	1120	Br	15	9200 153	0.098	0.145	-.05	0.085	LT 2, EOD

	Decay Factor	INTERVAL Collm to Ct	Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL: L. T. 2. E 00

UNITS B CALC. BY PL DATE 8/29/91

ENTERED AUG 29 1991 CHECKED BY DM DATE 8-29

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER	NUCLIDE
4 4 1 1 2	Ra - 2 2 8

CUSTOMER Weston - w Stingl - Hanford COLLECTION DATE 6/17

MOUNTING DATE 8/1/91 SAMPLE TYPE WO

VOLUME _____ UNITS _____ ALIQUOT 500 ml

SCAVENGE DATE _____ TIME _____ YIELD 98.40 NUCLIDE _____ ASH WT. _____ gms

MILKING DATE _____ TIME _____ YIELD .0613 NUCLIDE _____ WET WT. _____ gms

ANALYST TG/AWA INGROWTH FACTOR _____ DECAY FACTOR (MILK TO COUNT) _____ ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8-27	1355	Am	160	60000 1000	0.160	0.145	.02	0.085	LT 6.E-01

	Decay Factor	INTERVAL Collm to Ct	Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL: L.T. 6.E-01

UNITS A CALC. BY [illegible] DATE 8/29/91

ENTERED AUG 2^ 1991 CHECKED BY [illegible] DATE 8-29

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER				
4	4	1	0	9

NUCLIDE						
Y	-	9	0			

CUSTOMER WWTP COLLECTION DATE 4/19

MOUNTING DATE 8/12 SAMPLE TYPE WD

VOLUME _____ UNITS _____ ALIQUOT 1L

SCAVENGE DATE _____ TIME _____ YIELD 89.02 NUCLIDE Y-90 ASH WT. _____ gms

MILKING DATE 8/12/91 TIME 1005 YIELD 03.7 NUCLIDE Y-90 WET WT. _____ gms

ANALYST Sc/WDT INGROWTH FACTOR 1.00 DECAY FACTOR (MILK TO COUNT) .777 ASH WT./WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8/13	0840	B5	21	100	.21	.24	-.03	.39	L.T. 4.E-01
									-5.0 ± 22.4 E-02
									K=.00

	Decay Factor	INTERVAL Collm to Ct	Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL: L.T. 4.E-01

UNITS A CALC. BY NZ DATE 8/13

ENTERED AUG 15 1991 CHECKED BY MJ DATE 8/15

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER				
4	4	1	1	0

NUCLIDE						
Y	-	9	0			

CUSTOMER WWH COLLECTION DATE 8/11

MOUNTING DATE 8/12 SAMPLE TYPE WO

VOLUME _____ UNITS _____ ALIQUOT 1L

SCAVENGE DATE _____ TIME _____ YIELD 88.5% NUCLIDE Y-90 ASH WT. _____ gms

MILKING DATE 8/12/91 TIME 1005 YIELD 0.35 NUCLIDE Y-90 WET WT. _____ gms

ANALYST JC/WDT INGROWTH FACTOR 1.0 DECAY FACTOR (MILK TO COUNT) .777 ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8/13	0840	B6	11	100	.11	.19	-.08	.39	L.T. 3.E-01
									-1.3 ± 1.8E-01
									K=.00

	Decay Factor	INTERVAL Collin to Ct	Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL: L.T. 3.E-01

UNITS A CALC. BY NZ DATE 8/13

AUG 15 1991

ENTERED _____ CHECKED BY MT DATE 8/15

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER	NUCLIDE
4 4 1 1 1	Y - 9 0

CUSTOMER WWH COLLECTION DATE 6/18

MOUNTING DATE 8/12 SAMPLE TYPE WO

VOLUME _____ UNITS _____ ALIQUOT 1l

SCAVENGE DATE _____ TIME _____ YIELD 86.5% NUCLIDE Y-90 ASH WT. _____ gms

MILKING DATE 8/12/91 TIME 10:5 YIELD 0308 NUCLIDE Y-90 WET WT. _____ gms

ANALYST SC/WDT INGROWTH FACTOR 1.0 DECAY FACTOR (MILK TO COUNT) .777 ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8/13	0840	B7	27	100	.27	.20	.27	.38	L.T. 4.E-01
									1.2 ± 2.4E-01
									K=.28

	Decay Factor	INTERVAL Collm to Ct	Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL: 4.7.4.E-01

UNITS A CALC. BY DZ DATE 8/13

ENTERED AUG 15 1991 CHECKED BY HJ DATE 8/15

FORM IWL-3A Revised 3/15/81

RADIOCHEMICAL WORK SHEET

SAMPLE NUMBER				
4	4	1	1	2

NUCLIDE						
Y	-	9	0			

CUSTOMER W'W'H COLLECTION DATE 6/17

MOUNTING DATE 8/12 SAMPLE TYPE WO

VOLUME _____ UNITS _____ ALIQUOT 1L

SCAVENGE DATE _____ TIME _____ YIELD 87.62 NUCLIDE Y-90 ASH WT. _____ gms

MILKING DATE 8/12/91 TIME 1005 YIELD 0312 NUCLIDE Y-90 WET WT. _____ gms

ANALYST Jc/WT INGROWTH FACTOR 1.00 DECAY FACTOR (MILK TO COUNT) .777 ASH WT. / WET WT. (100) = _____ %

COUNTING Date	Time	COUNTER	N (Counts)	Δt (min)	N/Δt (cpm)	Bkg. (cpm)	A (cpm)	E (eff.)	
8/13	0840	B8	19	100	.19	.16	.03	.40	L.T. 3.E-01
									5.0 ± 19.6E-02
									K=.11

	Decay Factor	INTERVAL Collm to Ct	INTERVAL Ct to Ct
1			
2			
3			
4			

ACTIVITY OR MDL

L.	T.		3.			E	-0	1

UNITS A CALC. BY NZ DATE 8/14

ENTERED AUG 15 1991 CHECKED BY KT DATE 8/15

FORM IWL-3A Revised 3/15/81

CALCULATION SHEET - RA-226 GAS COUNTING

CUSTOMER NAME: WESTON

T.I. NO.: 44109

LAB CODE NO.: 022

FLASK NO.: 951

DETECTOR NO.: R-6

COLLECTION DATE: 7-26 @ 1120

DETECTOR EFF.: .215

FILL DATE: 8-5 @ 842

DETECTOR BKGD.: 1.95 ± _____

SAMPLE SIZE: 400 ml.

ELECTRONICS NO.: 6

MEASURED BY: J.T.

BACKGROUND COUNTS _____ BACKGROUND COUNT TIME (MIN) _____

COUNTING DATA

Initial	Start Time	Δt	Alpha Channel	α cpm
	850	~~[illegible]~~	130	
	1026	60	148	
	1130	60	96	

COUNT VOLTAGE _____

RA226 Activity =

$$\frac{(\bar{\alpha}\text{-bkg})\ (e^{+\lambda T_2})\ (0.45)}{(\text{EFF})(1-e^{-\lambda T_1})(\text{Sample Size})}$$

CALCULATION DATA:

Rn222 Ingrowth .83 $(1-e^{-\lambda T_1})$

Rn222 Decay 1.03 $(e^{+\lambda T_2})$

RA226 Activity L.T. .5 pCi/l ± _____

Secondary Result _____ ± _____

Mid Count Time 8-5

CALCULATED BY J. T. DATE 8-5-91

APPROVED BY [illegible] DATE 8-6

12/17/85

IWL-50

CALCULATION SHEET - RA-226 GAS COUNTING

CUSTOMER NAME: WESTON

T.I. NO.: 44110

LAB CODE NO.: 022

FLASK NO.: 3

DETECTOR NO.: R-3

COLLECTION DATE: 7-26 @ 1120

DETECTOR EFF.: 160

FILL DATE: 8-2 @ 1436

DETECTOR BKGD.: 2.27 ± _____

SAMPLE SIZE: 400 ml

ELECTRONICS NO.: 3

MEASURED BY: J.F.

BACKGROUND COUNTS _____ BACKGROUND COUNT TIME (MIN) _____

COUNTING DATA

Initial	Start Time	Δt	Alpha Channel	α cpm
	1450	1000	2038	

COUNT VOLTAGE _____

RA226 Activity =

$$\frac{(\bar{\alpha}\text{-bkg})\,(e^{+\lambda T_2})\,(0.45)}{(\text{EFF})(1-e^{-\lambda T_1})(\text{Sample Size})}$$

CALCULATION DATA:

Rn222 Ingrowth .73 $(1-e^{-\lambda T_1})$

Rn222 Decay 1.07 $(e^{+\lambda T_2})$

RA226 Activity L.T. .2 pCi/L _____

Secondary Result – ± –

Mid Count Time 8-2

CALCULATED BY J.F. DATE 8-5-91

APPROVED BY [illegible] DATE 8-6

12/17/85

IWL-50

CALCULATION SHEET - RA-226 GAS COUNTING

CUSTOMER NAME WESTON T.I. NO. 44111

LAB CODE NO. 022 FLASK NO. 929

DETECTOR NO. R-6 COLLECTION DATE 7-26 @ 1120

DETECTOR EFF. .215 FILL DATE 8-2 @ 1043

DETECTOR BKGD. 1.95 ± SAMPLE SIZE 400 ml.

ELECTRONICS NO. 6 MEASURED BY J.

BACKGROUND COUNTS BACKGROUND COUNT TIME (MIN)

COUNTING DATA

Initial	Start Time	Δt	Alpha Channel	α cpm
	1048	60	110	
	1150	60	104	
	1257	60	120	

COUNT VOLTAGE

RA226 Activity =

$$\frac{(\bar{\alpha}\text{-bkg})\,(e^{+\lambda T_2})\,(0.45)}{(\text{EFF})(1-e^{-\lambda T_1})(\text{Sample Size})}$$

CALCULATION DATA:

Rn222 Ingrowth .72 $(1-e^{-\lambda T_1})$

Rn222 Decay 1.02 $(e^{+\lambda T_2})$

RA226 Activity L.T. .6 pCi/l ±

Secondary Result ±

Mid Count Time 8-2-91

CALCULATED BY J. T. DATE 8-2-91

APPROVED BY DATE 8-6

12/17/85

IWL-50

CALCULATION SHEET - RA-226 GAS COUNTING

CUSTOMER NAME: WESTON

T.I. NO.: 44112

LAB CODE NO.: 022

FLASK NO.: 953

DETECTOR NO.: R-3

COLLECTION DATE: 7-26 @ 1120

DETECTOR EFF.: 160

FILL DATE: 8-5 @ 836

DETECTOR BKGD.: 2.27 ± _____

SAMPLE SIZE: 400 ml.

ELECTRONICS NO.: 3

MEASURED BY: J.F.

BACKGROUND COUNTS _____ BACKGROUND COUNT TIME (MIN) _____

COUNTING DATA

Initial	Start Time	Δt	Alpha Channel	α cpm
	950	60	119	
	1026	60	133	
	1130	60	127	

COUNT VOLTAGE _____

RA226 Activity =

$$\frac{(\bar{\alpha}\text{-bkg})\,(e^{+\lambda T_2})\,(0.45)}{(\text{EFF})(1-e^{-\lambda T_1})(\text{Sample Size})}$$

CALCULATION DATA:

Rn222 Ingrowth .83 $(1-e^{-\lambda T_1})$

Rn222 Decay 1.03 $(e^{+\lambda T_2})$

RA226 Activity L.T. .8 pCi/l _____

Secondary Result — ± —

Mid Count Time 8-5-91

CALCULATED BY J.F. DATE 8-5-91

APPROVED BY [illegible] DATE 8-6

12/17/85

IWL-50

Customer Weston

Analyst

Preparation Date

TRITIUM BY DIRECT COUNT
LIQUID SCINTILLATION

Counter PACKARD

Disk

TI No	Type	Mid Count (MM/DD HHMM)	N	At min	V LS ml	Bkg. cpm	Eff.	VT or S gm wet	VT or S gm dry	10 ml H_2O RS/SW gm/aliq	Result
44109	W:0	9/14	294	100	10.0	2.41	.23				L.T. 1. E02
110	↓	↓	300	↓	↓	↓	.23				L.T. 1. E02
111	↓	↓	274	↓	↓	↓	.23				L.T. 1. E02
112	↓	↓	291	↓	↓	↓	.23				L.T. 1. E02

Result Units pCi/l

Code A

Calc. by [illegible] Date 9/18/91

Checked by [illegible] Date 9/18/91

IWL-39 Issued 07/05/84 Rev. 02/21/91

WESTON Analytics Use Only

Custody Transfer Record/Lab Work Request

WESTON

Client: Weston Analytics
Est. Final Proj. Sampling Date:
Work Order #: 6168-02-01-0000
Project Contact/Phone #: Diane Thomas
AD Project Manager: Josie King
QC: Del: TAT:
Date Rec'd: Date Due:
Account #:

Refrigerator #
#/Type Container: Liquid / Solid
Volume: Liquid / Solid
Preservatives

ANALYSES REQUESTED →

MATRIX CODES:
S - Soil
SE - Sediment
SO - Solid
SL - Sludge
W - Water
O - Oil
A - Air
DS - Drum Solids
DL - Drum Liquids
L - EP/TCLP Leachate
WI - Wipe
X - Other
F - Fish

Lab ID	Client ID/Description	Matrix QC Chosen (✓)	Matrix	Date Collected	ORGANIC: VOA	BNA	Pest/PCB	Herb	RADIO-CHEM				INORG: Metal	CN	RFW #		
	B002C8		W	6/13/91					4						9106L881-001		
	B002D2		W	6/13/91					4						9106L881-002		13
	B002D6		W	6/13/91					4						9106L881-003		
	B00YJ2		S	6/14/91					13						9106L922-001		14
	B00ZG3		W	6/17/91					4						9106L922-001		
	B00ZH1		W	6/17/91					4						9106L922-002		15
	B00Z86		W	6/18/91					4						9106L922-003		
	B00ZF9		W	6/17/91					4						9106L922-004		
	B00Z90		W	6/18/91					4						9106L928-001		16
	B00Z94		W	6/18/91					4						9106L928-002		+

Special Instructions:

DATE/REVISIONS:
1
2
3
4
5
6

WESTON Analytics Use Only

Samples were
1) Shipped or Hand Delivered
Airbill #
2) Ambient or Chilled
3) Received in Good Condition Y or N
4) Properly Preserved Y or N
5) Received Within Holding Times Y or N

COC Tape was
1) Present on Outer Package Y or N
2) Unbroken on Outer Package Y or N
3) Present on Sample Y or N
4) Unbroken on Sample Y or N

COC Record Present Upon Sample Rec'd Y or N

Discrepancies Between Samples Labels and COC Record? Y or N
NOTES

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time