



a division of Recra Environmental, Inc.
Virtual Laboratories Everywhere

0052645

Recra LabNet Philadelphia
Analytical Report

Client: TNU HANFORD B99-085
RFW #: 9912L923
SDG/SAF#: H0682 /B99-085

W.O. #: #: 10985-001-001-9999-00
Date Received: 12-04-99

RECEIVED
FEB 28 2000

GC SCAN

EDMC

One (1) water sample was collected on 12-02-99.

The sample and it's associated QC samples were prepared on 12-15-99 and analyzed by methodology based on EPA Method 8015B for Ethanol and 1-Propanol on 12-16-99.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The method specified holding time of 7 days was exceeded. A copy of the Sample Discrepancy Report (SDR) has been enclosed.
3. All initial calibrations associated with this data set were within acceptance criteria.
4. All continuing calibration standards analyzed prior to the sample extracts were within acceptance criteria.
5. Surrogates were not used for this analysis.
6. All blank spike recoveries were within advisory control limits of 50%-150%.
7. All matrix spike recoveries were within advisory control limits of 50%-150%.

J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

12-21-99
Date

RECEIVED
JAN 2000
Data
Log In

r:\share\l\gcscan\12-923.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are integral parts of the analytical data. Therefore, this report should only be reproduced in its entirety of 7 pages.

GLOSSARY OF OGCSC DATA

DATA QUALIFIERS

- U** = Indicates that the compound was analyzed for but not detected. The minimum detection limit for the sample (not the method detection limit) is reported with the U (e.g., 10U).
- J** = Indicates an estimated value. This flag is used in cases where a target analyte is detected at a level less than the lower quantification level. If the limit of quantification is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B** = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination.
- E** = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- I** = Interference.

ABBREVIATIONS

- BS** = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spiking solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD** = Indicates blank spike duplicate.
- MS** = Indicates matrix spike.
- MSD** = Indicates matrix spike duplicate.
- DL** = Indicates that recoveries were not obtained because the extract had to be diluted for analysis.
- NA** = Not Applicable.
- DF** = Dilution Factor.
- NR** = Not Required.
- SP** = Indicates spiked compound.

Recra LabNet Philadelphia Sample Discrepancy Report (SDR) SDR #: 99L0070

Initiator: S. Rost RFW Batch: 99L00896, 973 Parameter: DALSC
 Date: 12/17/99 Samples: CC1, CC2 Matrix: water
 Client: TUV Method: S(V840)MCAWW/CLPI Prep Batch: 99L00187

1. Reason for SDR

a. COC Discrepancy Tech Profile Error Client Request Sampler Error on C-O-C
 Transcription Error Wrong Test Code Other _____

b. General Discrepancy

Missing Sample/Extract Container Broken Wrong Sample Pulled Label ID's Illegible
 Hold Time Exceeded Insufficient Sample Preservation Wrong Received Past Hold
 Improper Bottle Type Not Amenable to Analysis

Note: Verified by [Log-In] or [Prep Group] (circle)...signature/date: _____

c. QC Problem (Include all relevant specific results; attach data if necessary)

Hold time exceeded for water extraction, collected on the 2nd and extracted on the 15th

2. Known or Probable Causes(s)

3. Discussion and Proposed Action Other Description: _____

Re-log
 Entire Batch
 Following Samples: _____
 Re-leach
 Re-extract
 Re-digest
 Revise EDD
 Change Test Code to _____
 Place On/Take Off Hold (circle)

4. Project Manager Instructions...signature/date: [Signature] 12/18/99

Concur with Proposed Action
 Disagree with Proposed Action; See Instruction
 Include in Case Narrative
 Client Contacted:
 Date/Person _____
 Add
 Cancel

5. Final Action...signature/date: [Signature] 12-19 Other Explanation: _____

Verified re-[log][leach][extract][digest][analysis] (circle)
 Included in Case Narrative
 Hard Copy COC Revised
 Electronic COC Revised
 EDD Corrections Completed

When Final Action has been recorded, forward original to QA Specialist for distribution and filing.

Route	Distribution of Completed SDR	Route	Distribution of Completed SDR
<input checked="" type="checkbox"/>	Initiator	<input type="checkbox"/>	Metals: Doughty
<input type="checkbox"/>	Lab Manager: M. Taylor	<input type="checkbox"/>	Inorganic: Perrone
<input checked="" type="checkbox"/>	Project Mgr: Stone/Carey/Schrenkel/Johnson	<input type="checkbox"/>	GC/LC: Schnell
<input checked="" type="checkbox"/>	Section Mgr: Wesson/Daniels	<input type="checkbox"/>	MS: Taylor
<input checked="" type="checkbox"/>	QA (file): Racioppi	<input type="checkbox"/>	Log-in: Janson
<input type="checkbox"/>	Data Management: Feldman	<input type="checkbox"/>	Admin: Soos
<input type="checkbox"/>	Sample Prep: Doughty/Kauffman	<input type="checkbox"/>	Other: _____

Recra LabNet - Lionville Laboratory

GC SCAN

Report Date: 12/17/99 10:25

RFW Batch Number: 9912L923

Client: TNU-HANFORD B99-085

Work Order: 10985-001-001-9999-00

Page: 1

001

	Cust ID:	BOX3V9	BOX3V9	BOX3V9	BLK	BLK BS
Sample Information	RFW#:	001	001 MS	001 MSD	99LLC187-MB1	99LLC187-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00
	Units:	mg/L	mg/L	mg/L	mg/L	mg/L
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====						
n-Propyl Alcohol		5.0 U	98 %	98 %	5.0 U	95 %
Ethanol		5.0 U	5.0 U	5.0 U	5.0 U	5.0 U

CK 12/17/99

12/17/99

U= Analyzed, not detected. J= Present below detection limit. B= Present in blank. NR= Not requested. NS= Not spiked. %= Percent recovery. D= Diluted out. I= Interference. NA= Not Applicable. *= Outside of Advisory limits.

Recra LabNet - Lionville Laboratory
GCSC ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B99-085

DATE RECEIVED: 12/04/99

RFW LOT # :9912L923

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
BOX3V9	001	W	99LLC187	12/02/99	12/15/99	12/16/99
BOX3V9	001 MS	W	99LLC187	12/02/99	12/15/99	12/16/99
BOX3V9	001 MSD	W	99LLC187	12/02/99	12/15/99	12/16/99

LAB QC:

BLK	MB1	W	99LLC187	N/A	12/15/99	12/16/99
BLK	MB1 BS	W	99LLC187	N/A	12/15/99	12/16/99

W
12-20-99



9912L923

A11 FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client <u>TNU-HANFORD</u> <u>B99-085</u>	Refrigerator #	1
Est. Final Proj. Sampling Date	#/Type Container	Liquid <u>3AL</u>
Project # <u>10985-001-001-9999-00</u>	Solid	
Project Contact/Phone #	Volume	Liquid <u>40</u>
RECRA Project Manager <u>QT</u>	Solid	
QC <u>APR</u> Del <u>std</u> TAT <u>30 day</u>	Preservatives	<u>Hcl</u>
Date Rec'd <u>12/4/99</u> Date Due <u>1/3/00</u>	ANALYSES REQUESTED	ORGANIC
Account #		INORG
		Metal CN
		VOA BNA Pest/PCB Herb

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	Time Collected	RECRA LabNet Use Only						
			MS	MSD				0024H	0515C					
	<u>001</u>	<u>BOX 3V9</u>	<u>X</u>	<u>X</u>	<u>W</u>	<u>12-9</u>	<u>0515</u>	<u>3</u>						

Special Instructions: Safe # B99-085

COMPOSITE WASTE

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

RECRA LabNet Use Only

Samples were: 1 Shipped or Hand Delivered 3462

2) Ambient or Chiller

3) Received in Good Condition or N

4) Labels Indicate Properly Preserved or N

5) Received Within Holding Times or N

COC Tape was:

1) Present on Outer Package or N

2) Unbroken on Outer Package or N

3) Present on Sample or N

4) Unbroken on Sample or N

COC Record Present Upon Sample Rec't or N

Cooler Temp. 4-3 °C

Relinquished by	Received by	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>12-4-99</u>	<u>1000</u>

Relinquished by	Received by	Date	Time
	ORIGINAL REWRITTEN		

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES: *42357953 2465

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B99-085-14		Page 1 of 1	
Collector Bowers/Fahberg		Company Contact C Cearlock		Telephone No. 372-9574		Project Coordinator TRENT, SJ		Price Code 7N	
Project Designation 200 Area Source characterization - 200-CW-1 OU - QC Sam		Sampling Location 200 East		SAF No. B99-085		Air Quality <input type="checkbox"/>		Data Turnaround 45 Days	
Ice Chest No. SML 443		Field Logbook No. EL1511-1		COA B20CW1671C		Method of Shipment Fed EX			
Shipped To TMA/RECRA		Offsite Property No. A000055				Bill of Lading/Air Bill No. 42357953 2465			

POSSIBLE SAMPLE HAZARDS/REMARKS	Preservation	ZnAc+NaOH to pH >9 Cool	Cool 4C	H2SO4 to pH <2 Cool 4C	Cool 4C	HNO3 to pH <2	HCl to pH <2 Cool 4C	HNO3 to pH <2				
	Type of Container	P	P	P	aG	P	aGs*	P				
	No. of Container(s)	1	1	1	2	2	3	3				
	Special Handling and/or Storage	Volume	500mL	1000mL	1000mL	1000mL	1000mL	40mL	500mL			

SAMPLE ANALYSIS		Sulfides - 9030	See item (1) in Special Instructions.	NO2/NO3 - 353.1; Ammonia - 350.3	Semi-VOA - 8270A (TCL)	Gross Alpha; Gross Beta	VOA - 8260A (TCL); VOA - 8260A (Add- On) (1- Propanol, Ethanol)	See item (2) in Special Instructions.				
-----------------	--	-----------------	---------------------------------------------	-------------------------------------------	---------------------------	----------------------------	--------------------------------------------------------------------------------	---------------------------------------------	--	--	--	--

Sample No.	Matrix *	Sample Date	Sample Time									
BOX3V9	Water	12-2-99	0515									
BOX3W0	Water	12-2-99	0515									

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By Doug Bowers	Date/Time 12-2-99/1530	Received By R.P. 2C	Date/Time 12-2-99/1530	(1) IC Anions - 300.0 (Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate); pH (Water) - 9040 (2) ICP Metals - 6010A (Supertrace) (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver); ICP Metals - 6010A (Supertrace Add-On) (Copper, Nickel, Vanadium, Zinc)				S=Soil SE=Sediment SO=Solid S=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other	
Relinquished By R.P. 2C	Date/Time 12-3-99/0700	Received By R. Woreen	Date/Time 12-3-99/0700						
Relinquished By R. Woreen	Date/Time 12-3-99/01430	Received By FED EX	Date/Time						
Relinquished By FED EX	Date/Time 12-4-99 1000	Received By Fahberg	Date/Time 12-4-99 1000						
Relinquished By	Date/Time	Received By	Date/Time						
Relinquished By	Date/Time	Received By	Date/Time						

LABORATORY SECTION	Received By	Title	Date/Time
FINAL SAMPLE DISPOSITION	Disposal Method	Disposed By	Date/Time

Recra LabNet Philadelphia Analytical Report

Client: TNU-HANFORD B99-085
RFW #: 9912L923
SDG/SAF #: H0682/B99-085

W.O. #: 10985-001-001-9999-00
Date Received: 12-04-99

GC/MS VOLATILE

One (1) water sample was collected on 12-02-99.

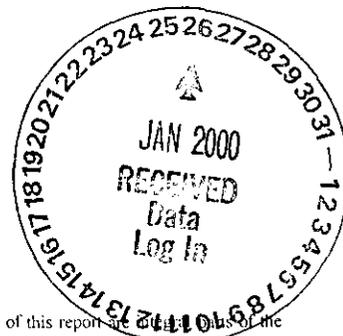
The sample and its associated QC samples were analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8260A for the client specified Volatile target compounds on 12-10-99.

The following is a summary of the QC results accompanying these sample results and a description of any problems encountered during their analyses:

1. The cooler temperature upon receipt has been recorded on the chain-of-custody.
2. The required holding time for analysis was met.
3. Non-target compounds were not detected in the sample.
4. One (1) of fifteen (15) surrogate recoveries was outside EPA QC limits. The surrogate recovery of Bromofluorobenzene was slightly low in 99LVII637-MB1 BS; however, there was no significant impact on the data.
5. All matrix spike recoveries were within EPA QC limits.
6. All blank spike recoveries were within EPA QC limits.
7. The method blank contained the common laboratory contaminants Methylene Chloride and Acetone at levels less than 2x the CRQL.
8. The samples were analyzed with a standard, which had expired for the gas compounds; however, upon comparison with a newly prepared standard (prepared on 12-14-99) indicated that the gas recoveries were within criteria; consequently, there were no significant impact on the data. A copy of the Corrective Action Documentation has been enclosed.

J. Michael Taylor
/ J. Michael Taylor
Vice President
Philadelphia Analytical Laboratory

01-19-00
Date



som\group\data\voa\tnu12923.doc

The results presented in this report relate only to the analytical testing and conditions of the samples at receipt and during storage. All pages of this report are the property of the analytical data. Therefore, this report should only be reproduced in its entirety of 9 pages.

GLOSSARY OF VOA DATA

DATA QUALIFIERS

- U** = Compound was analyzed for but not detected. The associated numerical value is the estimated sample quantitation limit which is included and corrected for dilution and percent moisture.
- J** = Indicates an estimated value. This flag is used under the following circumstances: 1) when estimating a concentration for tentatively identified compounds (TICs) where a 1:1 response is assumed; or 2) when the mass spectral data indicate the presence of a compound that meets the identification criteria but the result is less than the specified detection limit but greater than zero. For example, if the limit of detection is 10 ug/L and a concentration of 3 ug/L is calculated, it is reported as 3J.
- B** = This flag is used when the analyte is found in the associated blank as well as in the sample. It indicates possible/probable blank contamination. This flag is also used for a TIC as well as for a positively identified TCL compound.
- E** = Indicates that the compound was detected beyond the calibration range and was subsequently analyzed at a dilution.
- D** = Identifies all compounds identified in an analysis at a secondary dilution factor.
- I** = Interference.
- NQ** = Result qualitatively confirmed but not able to quantify.
- N** = Indicates presumptive evidence of a compound. This flag is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It is applied to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the N code is not used.
- X** = This flag is used for a TIC compound which is quantified relative to a response factor generated from a daily calibration standard (rather than quantified relative to the closest internal standard).
- Y** = Additional qualifiers used as required are explained in the case narrative.



GLOSSARY OF VOA DATA

ABBREVIATIONS

- BS** = Indicates blank spike in which reagent grade water is spiked with the CLP matrix spike solutions and carried through all the steps in the method. Spike recoveries are reported.
- BSD** = Indicates blank spike duplicate.
- MS** = Indicates matrix spike.
- MSD** = Indicates matrix spike duplicate.
- DL** = Suffix added to sample number to indicate that results are from a diluted analysis.
- NA** = Not Applicable.
- DF** = Dilution Factor.
- NR** = *Not Required*.
- SP, Z** = Indicates Spiked Compound.



CORRECTIVE ACTION DOCUMENTATION

AR 99-035

INSTRUCTIONS: 1) ORIGINATOR complete PERSON RESPONSIBLE FOR RESPONSE and DESCRIPTION OF PROBLEM blocks.
 2) Originator forward form to PERSON RESPONSIBLE FOR RESPONSE.
 3) Develop/plan a SEQUENCE OF CORRECTIVE ACTION and obtain INITIAL CA APPROVAL sign-off from supervisor.
 4) Forward original form to QA for sign-off and FOLLOW-UP ACTION. This allows all pertinent action to be documented on the original form. On completion of the corrective action, the form is signed off by QA, distributed, and the original archived with the QA records.

DATE/ORIGINATOR NAME SCHNEIDER 12/14/99 **PAGE** 1 **OF** 1

PERSON RESPONSIBLE FOR RESPONSE (corrective action plan and implementation of corrective action plan):
 NAME SCHNEIDER
 QA 12/14/99

- DISTRIBUTION:**
 ___ LABORATORY MANAGER
 ___ INORGANIC MANAGER
 ___ GC/MS MANAGER
 ___ GC/EXTR MANAGER
 ___ QA MANAGER
 ___ QA REPORT FILE

DESCRIPTION OF PROBLEM and when identified: Samples analyzed from 12/10 → 12/13/99 ran on calibrations which used an expired STD (gases only). The STD (8109-006-02) expired on 12/19/99.

CAUSE OF PROBLEM if known or suspected: Replacement STD was prepped, but was not good (8109-012-01) (prepped incorrectly)

SEQUENCE OF CORRECTIVE ACTION (CA) planned (signature/date): [Signature] 12/14/99
 The replacement STD (8109-012-01) was prepped on 12/19/99; prior to "old" STD's expiration. When STD was checked, it did not meet criteria (bad prep). A 2nd replacement STD (8109-013-01) was prepped on 12/13/99 - it did meet criteria.
 The expired STD (gases only) were checked against the "new" STD, and met criteria, confirming the validity of the "expired" STD.
 ATTACHED - Form 7; large notes affected batches

INITIAL CA APPROVAL: Supervisor signature/date: [Signature] 12-14-99
 QA signature/date:

DESCRIPTION OF QA FOLLOW-UP ACTION (include signature/date): [Signature] 12/28/99

FINAL CA APPROVED (QA signature/date):

Cust ID: BOX3V9 BOX3V9 BOX3V9 VBLKGW VBLKGW BS

RFW#: 001 001 MS 001 MSD 99LVH637-MB1 99LVH637-MB1

Chlorobenzene	5 U	97 %	94 %	5 U	91 %
Ethylbenzene	5 U	5 U	5 U	5 U	5 U
Styrene	5 U	5 U	5 U	5 U	5 U
Xylene (total)	5 U	5 U	5 U	5 U	5 U

*= Outside of EPA CLP QC limits.

Handwritten: 2/14/00

Recra LabNet - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
TNU-HANFORD B99-085

DATE RECEIVED: 12/04/99

RFW LOT # :9912L923

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B0X3V9	001	W	99LVH637	12/02/99	N/A	12/10/99
B0X3V9	001 MS	W	99LVH637	12/02/99	N/A	12/10/99
B0X3V9	001 MSD	W	99LVH637	12/02/99	N/A	12/10/99

LAB QC:

VBLKGW	MB1	W	99LVH637	N/A	N/A	12/10/99
VBLKGW	MB1 BS	W	99LVH637	N/A	N/A	12/10/99

01-1900



9912L923

A11 FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS

Client <u>TNU-HANFORD B99-085</u>	Refrigerator # <u>1</u>														
Est. Final Proj. Sampling Date _____	#/Type Container Liquid <u>3AG</u> Solid _____														
Project # <u>10985-001-001-9999-00</u>	Volume Liquid <u>40</u> Solid _____														
Project Contact/Phone # _____	Preservatives <u>Hcl</u>														
RECRA Project Manager <u>OT</u>	ANALYSES REQUESTED →														
QC <u>APL</u> Del <u>std</u> TAT <u>30 days</u>															
Date Rec'd <u>12/4/99</u> Date Due <u>1/3/00</u>	<table border="1"> <tr> <td colspan="5">ORGANIC</td> <td colspan="2">INORG</td> </tr> <tr> <td>VOA</td> <td>BNA</td> <td>Pest/PCB</td> <td>Herb</td> <td></td> <td>Metal</td> <td>CN</td> </tr> </table>	ORGANIC					INORG		VOA	BNA	Pest/PCB	Herb		Metal	CN
ORGANIC					INORG										
VOA	BNA	Pest/PCB	Herb		Metal	CN									
Account # _____	RECRA LabNet Use Only ↓														

MATRIX CODES: S - Soil SE - Sediment SO - Solid SL - Sludge W - Water O - Oil A - Air DB - Drum Solids DL - Drum Liquids L - EP/TCLP Leachate WJ - Wipe X - Other F - Fish	Lab ID	Client ID/Description	Matrix GC Chosen (✓)		Matrix	Date Collected	Time Collected	RECRA LabNet Use Only												
			MS	MSD				0024H	0905C											
	001	Box 3V9	X	X	W	12-29	0515	3												

Special Instructions: Bag # B99-085

COMPOSITE WASTE

DATE/REVISIONS:

- _____
- _____
- _____
- _____
- _____
- _____

RECRA LabNet Use Only

Samples were: 1) Shipped <input checked="" type="checkbox"/> or Hand Delivered	COC Tape was: 1) Present on Outer Package <input type="checkbox"/> or N
Airbill <u>Substr</u>	2) Unbroken on Outer Package <input type="checkbox"/> or N
2) Ambient or <u>Chiller</u>	3) Present on Sample <input type="checkbox"/> or N
3) Received in Good Condition <input type="checkbox"/> or N	4) Unbroken on Sample <input type="checkbox"/> or N
4) Labels Indicate Properly Preserved <input type="checkbox"/> or N	COC Record Present Upon Sample Rec't <input type="checkbox"/> or N
5) Received Within Holding Times <input type="checkbox"/> or N	Cooler Temp. <u>4-3</u> °C

Relinquished by	Received by	Date	Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>12-4-99</u>	<u>1000</u>

Relinquished by	Received by	Date	Time
	ORIGINAL REWRITTEN		

Discrepancies Between Samples Labels and COC Record? Y or N

NOTES: *4235 7953 2465

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST						B99-085-14		Page 1 of 1				
Collector Bowers/Fahlberg		Company Contact C Clearlock		Telephone No. 372-9574		Project Coordinator TRENT, SJ		Price Code 7N		Data Turnaround 45 Days				
Project Designation 200 Area Source characterization - 200-CW-1 OU - QC Sam		Sampling Location 200 East		SAF No. B99-085		Air Quality <input type="checkbox"/>								
Ice Chest No. SMC 443		Field Logbook No. EL1511-1		COA B20CW1671C		Method of Shipment Fed EX								
Shipped To TMA/RECRA		Offsite Property No. A000055		Bill of Lading/Air Bill No. 42357953 2465										
POSSIBLE SAMPLE HAZARDS/REMARKS				Preservation		ZnAc+NaOH to pH > 9 Cool	Cool 4C	H2SO4 to pH < 2 Cool 4C	Cool 4C	HNO3 to pH < 2	HCl to pH < 2 Cool 4C	HNO3 to pH < 2		
				Type of Container		P	P	P	aG	P	aGs*	P		
				No. of Container(s)		1	1	1	2	2	3	3		
				Volume		500mL	1000mL	1000mL	1000mL	1000mL	40mL	500mL		
Special Handling and/or Storage														
SAMPLE ANALYSIS				Sulfides - 9030		See item (1) in Special Instructions.		NO2/NO3 - 353 J; Ammonia - 350.3		Semi-VOA - 8270A (TCL)				
				Gross Alpha; Gross Beta		VOA - 8260A (TCL); VOA - 8260A (Add-On) (1-Propanol, Ethanol)		See item (2) in Special Instructions.						
Sample No.	Matrix *	Sample Date	Sample Time											
B0X3V9	Water	12-2-99	0515						X					
B0X3W0	Water	12-2-99												
CHAIN OF POSSESSION				Sign/Print Names				SPECIAL INSTRUCTIONS						
Relinquished By <i>Doug Bowers</i>		Date/Time <i>12-2-99/1530</i>		Received By <i>R.P. 2C</i>		Date/Time <i>12-2-99/1530</i>		(1) IC Anions - 300.0 (Chloride, Fluoride, Nitrate, Nitrite, Phosphate, Sulfate); pH (Water) - 9040 (2) ICP Metals - 6010A (Supertrace) (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver); ICP Metals - 6010A (Supertrace Add-On) (Copper, Nickel, Vanadium, Zinc)						
Relinquished By <i>R.P. 2C</i>		Date/Time <i>12-3-99/0700</i>		Received By <i>R. Thoren</i>		Date/Time <i>12-3-99/0700</i>								
Relinquished By <i>R. Thoren</i>		Date/Time <i>12-3-99/0430</i>		Received By <i>FEDE</i>		Date/Time <i>12-3-99/1000</i>								
Relinquished By <i>FEDE</i>		Date/Time <i>12-4-99/1000</i>		Received By <i>[Signature]</i>		Date/Time <i>12-4-99/1000</i>								
Relinquished By		Date/Time		Received By		Date/Time								
LABORATORY SECTION				Received By				Title						
FINAL SAMPLE DISPOSITION				Disposal Method				Disposed By						
								Date/Time						