

0054693

H1166

Recra LabNet - Lionville Laboratory
VOA ANALYTICAL DATA PACKAGE FOR
TNUHANFORD B01-028 H1166

DATE RECEIVED: 12/06/00

RFW LOT # :0012L488

CLIENT ID	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B10RH6	001	W	00LVN412	11/30/00	N/A	12/12/00
B10RH6	001 MS	W	00LVN412	11/30/00	N/A	12/12/00
B10RH6	001 MSD	W	00LVN412	11/30/00	N/A	12/12/00

LAB QC:

VBLKFQ	MB1	W	00LVN412	N/A	N/A	12/12/00
VBLKFQ	MB1 BS	W	00LVN412	N/A	N/A	12/12/00

RECEIVED
APR 02 2001
EDMC





Chemical and Environmental Measurement Information

**Recra LabNet Philadelphia
Analytical Report**

Client: TNU-HANFORD B01-028
RFW #: 0012L488
SDG/SAF #: H1166/B01-028

W.O. #: 10985-001-001-9999-00
Date Received: 12-06-2000

GC/MS VOLATILE

One (1) water sample was collected on 11-30-2000.

The sample and its associated QC samples were analyzed according to criteria set forth in Recra OPs based on SW 846 Method 8260A for TCL Volatile target compounds on 12-12-2000.

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 sample was analyzed within required holding time.
3. Non-target compounds were not detected in the sample.
4. All surrogate recoveries were within EPA QC limits.
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 the CRQL.
8. Internal standard area and retention time criteria were met.
9. "I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard-copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature."


J. Michael Taylor
V.P./Laboratory General Manager
Lionville Laboratory

01-19-01
Date

son\group\data\voa\tnu-hanford-0012-488.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 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.



TECHNICAL FLAGS FOR MANUAL INTEGRATION

Manual quan modifications or integrations are performed routinely to improve the data quality for a variety of technical reasons. Documentation of these modifications should be clear and concise. The following "flags" are used to indicate the technical reasons for quan modifications:

- MP** - Missed Peak: manually added peak not found by automatic quan program.
- PA** - Peak Assignment: quan report was changed to reflect correct peak assignment.
- RI** - Routine Integration: routine integrations are performed for some analytes that are consistently integrated improperly by the automatic integration programs. Examples are the dichlorobenzene isomers on the VOA packed column and benzo(b)fluoranthene/benzo(k)fluoranthene which are poorly resolved on the BNA column.
- SP** - Split Peak: the automatic integration improperly split the peak; a manual integration was performed to get the correct area.
- CB** - Coelution/Background: peak was manually integrated to eliminate contribution from coeluting compounds, background signal, or other interference.
- PI** - Proper Integration: a peak with poor or inconsistent integration (e.g., excessive tail) was properly integrated manually.

Recra LabNet - Lionville Laboratory

Volatiles by GC/MS, HSL List

Report Date: 01/09/01 13:55

RFW Batch Number: 0012L488

Client: TNUHANFORD B01-028 H1166 Work Order: 10985001001 Page: 1a

Sample Information	Cust ID:	B10RH6	B10RH6	B10RH6	VBLKFQ	VBLKFQ BS
	RFW#:	001	001 MS	001 MSD	00LVN412-MB1	00LVN412-MB1
	Matrix:	WATER	WATER	WATER	WATER	WATER
	D.F.:	1.00	1.00	1.00	1.00	1.00
	Units:	UG/L	UG/L	UG/L	UG/L	UG/L
Surrogate	Toluene-d8	101 %	98 %	97 %	98 %	101 %
Recovery	Bromofluorobenzene	92 %	91 %	90 %	91 %	96 %
	1,2-Dichloroethane-d4	107 %	111 %	108 %	107 %	121 %
=====fl=====fl=====fl=====fl=====fl=====fl=====fl=====						
Chloromethane		10 U	10 U	10 U	10 U	10 U
Bromomethane		10 U	10 U	10 U	10 U	10 U
Vinyl Chloride		10 U	10 U	10 U	10 U	10 U
Chloroethane		10 U	10 U	10 U	10 U	10 U
Methylene Chloride		3 JB	3 JB	3 JB	4 J	4 JB
Acetone		3 JB	2 JB	2 JB	2 J	2 JB
Carbon Disulfide		5 U	5 U	5 U	5 U	5 U
1,1-Dichloroethene		5 U	77 %	75 %	5 U	76 %
1,1-Dichloroethane		5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethene (total)		5 U	5 U	5 U	5 U	5 U
Chloroform		5 U	5 U	5 U	5 U	5 U
1,2-Dichloroethane		5 U	5 U	5 U	5 U	5 U
2-Butanone		10 U	10 U	10 U	10 U	10 U
1,1,1-Trichloroethane		5 U	5 U	5 U	5 U	5 U
Carbon Tetrachloride		5 U	5 U	5 U	5 U	5 U
Bromodichloromethane		5 U	5 U	5 U	5 U	5 U
1,2-Dichloropropane		5 U	5 U	5 U	5 U	5 U
cis-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U
Trichloroethene		5 U	97 %	94 %	5 U	101 %
Dibromochloromethane		5 U	5 U	5 U	5 U	5 U
1,1,2-Trichloroethane		5 U	5 U	5 U	5 U	5 U
Benzene		5 U	96 %	95 %	5 U	105 %
Trans-1,3-Dichloropropene		5 U	5 U	5 U	5 U	5 U
Bromoform		5 U	5 U	5 U	5 U	5 U
4-Methyl-2-pentanone		10 U	10 U	10 U	10 U	10 U
2-Hexanone		10 U	10 U	10 U	10 U	10 U
Tetrachloroethene		5 U	5 U	5 U	5 U	5 U
1,1,2,2-Tetrachloroethane		5 U	5 U	5 U	5 U	5 U
Toluene		5 U	98 %	98 %	5 U	106 %

*= Outside of EPA CLP QC limits.

6

7

Cust ID: B10RH6 B10RH6 B10RH6 VBLKFQ VBLKFQ BS

RFW#: 001 001 MS 001 MSD 00LVN412-MB1 00LVN412-MB1

Chlorobenzene	5 U	98 %	99 %	5 U	107 %
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.

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST			B01-028-01	Page <u>1</u> of <u>1</u>
Collector Fahlberg	Company Contact D St. John	Telephone No. 372-9588	Project Coordinator TRENT, SJ		Price Code 7N	Data Turnaround 45 Days
Project Designation Analytical Field Services - 3728 Deionized Water		Sampling Location 3728	SAF No. B01-028		Air Quality <input type="checkbox"/>	
Ice Chest No. <i>Shipping van 96.001 (off)</i>	Field Logbook No. EL 1517-1	COA MEA123A810	Method of Shipment Fed EX			
Shipped To FMA/RECRA <i>R.F.D. 11/30/00</i>	Offsite Property No. <i>AD10038 F D A-C</i>	Bill of Lading/Air Bill No. <i>42357953-0945</i>				

POSSIBLE SAMPLE HAZARDS/REMARKS
Samples originated in non Rad area. NO TA Required
 Special Handling and/or Storage

Preservation	HCl to pH <2 Cool 4C	Cool 4C	HNO3 to pH <2	HCl to pH <2 Cool 4C														
Type of Container	aG	P	P	aGs*														
No. of Container(s)	1	1	1	1														
Volume	500mL	500mL	500mL	40mL														

SAMPLE ANALYSIS				TOC - 90%	IC Anions - 300.0 (Chloride)	See item (1) in Special Instructions	VOA - 8260A (TCL)											
------------------------	--	--	--	-----------	------------------------------	--------------------------------------	-------------------	--	--	--	--	--	--	--	--	--	--	--

Sample No.	Matrix *	Sample Date	Sample Time															
B10RH6	WATER	11/30/00	1015	X	X	X	X											

CHAIN OF POSSESSION		Sign/Print Names	
Relinquished By <i>R.F. Fahlberg</i>	Date/Time 10:30	Received By <i>Storad</i>	Date/Time 10:30
Relinquished By <i>R.F. Fahlberg</i>	Date/Time 11:30:00	Received By <i>Ref 2.B</i>	Date/Time 11:30:00
Relinquished By <i>R.F. Fahlberg</i>	Date/Time 12:4:00	Received By <i>R. Thoren</i>	Date/Time 12:4:00
Relinquished By <i>R. Thoren</i>	Date/Time 12:4:00	Received By <i>FED EX</i>	Date/Time
Relinquished By <i>Fed Ex</i>	Date/Time 12-5-00 10:14	Received By <i>J.A. Corse</i>	Date/Time 12-5-00
Relinquished By <i>J.A. Corse</i>	Date/Time 12-3-01	Received By <i>Fed Ex</i>	Date/Time
Relinquished By <i>Fed Ex</i>	Date/Time 12-6-00 0915	Received By <i>V. Henry</i>	Date/Time 12-6-00 0915

SPECIAL INSTRUCTIONS
 (1) ICP Metals - 6010A (Supertrace) (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver); ICP Metals - 6010A (Supertrace Add-On) (Silica)

Samples stored in Ref. #2B at the 3728 Shipping Facility on 11/30/00
 Collector not available to relinquish samples on 12/14/00 for shipment.

RT 12:4:00

- Matrix ***
- S=Soil
 - SE=Soilment
 - SO=Solid
 - S=Sludge
 - W=Water
 - O=Oil
 - A=Air
 - DS=Dry Solids
 - DL=Dry Liquids
 - T=Tissue
 - WI=Wipe
 - L=Liquid
 - V=Vegetation
 - X=Other

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

2.5



Recra LabNet - Lionville Laboratory
 INORGANIC ANALYTICAL DATA PACKAGE FOR
 TNUHANFORD B01-028 H1166

DATE RECEIVED: 12/06/00

RFW LOT # :0012L488

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B10RH6						
SILVER, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
SILVER, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
SILVER, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
ARSENIC, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
ARSENIC, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
ARSENIC, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
BARIUM, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
BARIUM, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
BARIUM, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
CADMIUM, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
CADMIUM, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
CADMIUM, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
CHROMIUM, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
CHROMIUM, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
CHROMIUM, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
LEAD, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
LEAD, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
LEAD, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
SILICA, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
SILICA, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
SILICA, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00
SELENIUM, TOTAL	001	W	99L1851	11/30/00	12/22/00	12/27/00
SELENIUM, TOTAL	001 REP	W	99L1851	11/30/00	12/22/00	12/27/00
SELENIUM, TOTAL	001 MS	W	99L1851	11/30/00	12/22/00	12/27/00

LAB QC:

SILVER LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
SILVER, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00
ARSENIC LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
ARSENIC, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00
BARIUM LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
BARIUM, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00
CADMIUM LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
CADMIUM, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00

Recra LabNet - Lionville Laboratory
INORGANIC ANALYTICAL DATA PACKAGE FOR
TNUHANFORD B01-028 H1166

DATE RECEIVED: 12/06/00

RFW LOT # :0012L488

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
CHROMIUM LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
CHROMIUM, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00
LEAD LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
LEAD, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00
SILICA LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
SILICA, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00
SELENIUM LABORATORY	LC1 BS	W	99L1851	N/A	12/22/00	12/27/00
SELENIUM, TOTAL	MB1	W	99L1851	N/A	12/22/00	12/27/00

**Recra LabNet Philadelphia
Analytical Report**

Client: TNU-HANFORD B01-028
RFW#: 0012L488
SDG/SAF#: H1166/B01-028

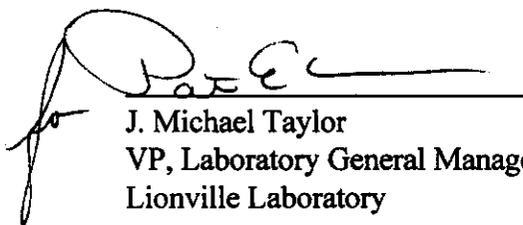
W.O.#: 10985-001-001-9999-00
Date Received: 12-06-00

METALS CASE NARRATIVE

1. This narrative covers the analyses of 1 water sample.
2. The sample was prepared and analyzed in accordance with methods checked on the attached glossary. The samples were analyzed for Silicon. To obtain the Silica results, the Silicon results were multiplied by 2.13.
3. All analyses were performed within the required holding times.
4. The cooler temperature has been recorded on the Chain of Custody.
5. All Initial and Continuing Calibration Verifications (ICV/CCVs) were within the 90-110% control limits (80-120% for Mercury) with the exception of the ending CCVs for Cadmium, and Chromium. There is no impact to the data as the associated samples are surrounded by CCVs that were in control.
6. All Initial and Continuing Calibration Blanks (ICB/CCBs) were within control limits (less than the PQL).
7. All preparation/method blanks (MB) were within method criteria {less than the Practical Quantitation Limit (3X the IDL), MB value less than 5% of the RCRA limit, or samples greater than 20X MB value}. Refer to the Inorganics Method Blank Data Summary.
8. All ICP Interference Check Standards were within control limits.
9. All laboratory control samples (LCS) were within the 80-120% control limits. Refer to form 7.
10. All matrix spike (MS) recoveries were within the 75-125% control limits. Refer to the Inorganics Accuracy Report.
11. All duplicate analyses were within the 20% Relative Percent Difference (RPD) control limits. Refer to the Inorganics Precision Report.

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 13 pages.

12. For the purposes of this report, the data has been reported to the Instrument Detection Limit (IDL). Values between the IDL and the Practical Quantitation Limit (PQL) are acquired in a region of less-certain quantification.
13. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard-copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.



J. Michael Taylor
VP, Laboratory General Manager
Lionville Laboratory

gmb/m12-488

01-09-01
Date



METALS METHOD GLOSSARY

The following methods are used as reference for the digestion and analysis of samples contained within this

Recra Lot#: 0012L488

Leaching Procedure: 1310 1311 1312 Other: _____

CLP Metals Digestion and Analysis Methods: ILM03.0 ILM04.0

Metals Digestion Methods: 3005A 3010A 3015 3020A 3050B 3051 200.7 SS17
 Other: _____

Metals Analysis Methods

	SW846	EPA	STD MTD	EPA OSWR	USATHAMA
Aluminum	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Antimony	<u> </u> 6010B <u> </u> 7041 ⁵	<u> </u> 200.7 <u> </u> 204.2			<u> </u> 99
Arsenic	<input checked="" type="checkbox"/> 6010B <u> </u> 7060A ⁵	<u> </u> 200.7 <u> </u> 206.2	<u> </u> 3113B		<u> </u> 99
Barium	<input checked="" type="checkbox"/> 6010B	<u> </u> 200.7			<u> </u> 99
Beryllium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Bismuth	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99
Boron	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Cadmium	<input checked="" type="checkbox"/> 6010B <u> </u> 7131A ⁵	<u> </u> 200.7 <u> </u> 213.2			<u> </u> 99
Calcium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Chromium	<input checked="" type="checkbox"/> 6010B <u> </u> 7191 ⁵	<u> </u> 200.7 <u> </u> 218.2			<u> </u> SS17
Cobalt	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Copper	<u> </u> 6010B <u> </u> 7211 ⁵	<u> </u> 200.7 <u> </u> 220.2			<u> </u> 99
Iron	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Lead	<input checked="" type="checkbox"/> 6010B <u> </u> 7421 ⁵	<u> </u> 200.7 <u> </u> 239.2	<u> </u> 3113B		<u> </u> 99
Lithium	<u> </u> 6010B <u> </u> 7430 ⁴	<u> </u> 200.7		<u> </u> 1620	<u> </u> 99
Magnesium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Manganese	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Mercury	<input checked="" type="checkbox"/> 7470A ³ <u> </u> 7471A ³	<u> </u> 245.1 ² <u> </u> 245.5 ²			<u> </u> 99
Molybdenum	<input checked="" type="checkbox"/> 6010B	<u> </u> 200.7			<u> </u> 99
Nickel	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Potassium	<u> </u> 6010B <u> </u> 7610 ⁴	<u> </u> 200.7 <u> </u> 258.1 ⁴			<u> </u> 99
Rare Earths	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99
Selenium	<input checked="" type="checkbox"/> 6010B <u> </u> 7740 ⁵	<u> </u> 200.7 <u> </u> 270.2	<u> </u> 3113B		<u> </u> 99
Silicon	<u> </u> 6010B ¹	<u> </u> 200.7		<u> </u> 1620	<u> </u> 99
Silica	<input checked="" type="checkbox"/> 6010B	<u> </u> 200.7		<u> </u> 1620	<u> </u> 99
Silver	<input checked="" type="checkbox"/> 6010B <u> </u> 7761 ⁵	<u> </u> 200.7 <u> </u> 272.2			<u> </u> 99
Sodium	<u> </u> 6010B <u> </u> 7770 ⁴	<u> </u> 200.7 <u> </u> 273.1 ⁴			<u> </u> 99
Strontium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Thallium	<u> </u> 6010B <u> </u> 7841 ⁵	<u> </u> 200.7 <u> </u> 279.2 <u> </u> 200.9			<u> </u> 99
Tin	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Titanium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Uranium	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99
Vanadium	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Zinc	<u> </u> 6010B	<u> </u> 200.7			<u> </u> 99
Zirconium	<u> </u> 6010B ¹	<u> </u> 200.7 ¹		<u> </u> 1620	<u> </u> 99

Other: _____

Method: _____

METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

- U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.
- * = Indicates that the original sample result is greater than 4x the spike amount added.

ABBREVIATIONS

- MB = Method or Preparation Blank.
MS = Matrix Spike.
MSD = Matrix Spike Duplicate.
REP = Sample Replicate
LCS = Laboratory Control Sample.
NC = Not calculated.

ANALYTICAL METAL METHODS

1. Not included in the method element list.
2. **Modified Hg:** Hg1 and Hg2 require less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionately scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 mL. For soils, 0.1 grams of sample is taken to a final volume of 50 mL (including all reagents).
3. **Modified Hg:** Hg1 and Hg2 require less total volume of digestate due to the autosampler analysis. Sample volumes and reagents for mercury determinations in water and soil have been proportionately scaled down to adapt to this semi-automated technique. The sample volume used for water analysis is 33 mL. For soils, three 0.1 gram of sample is taken to a final volume of 50 mL (including all reagents).
4. Flame AA.
5. Graphite Furnace AA.

RFW 21-21L-033/N-10/96

Recra LabNet - Lionville

INORGANICS DATA SUMMARY REPORT 01/09/01

CLIENT: TNUHANFORD B01-028 H1166
 WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-----	-----	-----	-----	-----	-----	-----
-001	B10RH6	Silver, Total	1.1	u UG/L	1.1	1.0
		Arsenic, Total	2.4	u UG/L	2.4	1.0
		Barium, Total	0.54	UG/L	0.20	1.0
		Cadmium, Total	0.30	u UG/L	0.30	1.0
		Chromium, Total	0.60	UG/L	0.60	1.0
		Lead, Total	2.1	u UG/L	2.1	1.0
		SILICA , Total	43.3	UG/L	13.4	2.1
		Selenium, Total	3.3	u UG/L	3.3	1.0

Recra LabNet - Lionville

INORGANICS METHOD BLANK DATA SUMMARY PAGE 01/09/01

CLIENT: TNUHANFORD B01-028 H1166
 WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-----	-----	-----	-----	-----	-----	-----
BLANK1	99L1851-ME1	Silver, Total	1.1	u UG/L	1.1	1.0
		Arsenic, Total	2.4	u UG/L	2.4	1.0
		Barium, Total	0.27	UG/L	0.20	1.0
		Cadmium, Total	0.30	u UG/L	0.30	1.0
		Chromium, Total	0.60	u UG/L	0.60	1.0
		Lead, Total	2.1	u UG/L	2.1	1.0
		SILICA , Total	13.8	UG/L	13.4	2.1
		Selenium, Total	3.3	u UG/L	3.3	1.0

Recre LabNet - Lionville

INORGANICS ACCURACY REPORT 01/09/01

CLIENT: TNUHANFORD B01-028 H1166
 WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR (SPK)
-001	B10RH6	Silver, Total	49.5	1.1 u	50.0	99.0	1.0
		Arsenic, Total	2040	2.4 u	2000	102.1	1.0
		Barium, Total	1960	0.54	2000	97.8	1.0
		Cadmium, Total	51.6	0.30u	50.0	103.2	1.0
		Chromium, Total	200	0.60	200	99.8	1.0
		Lead, Total	515	2.1 u	500	103.0	1.0
		SILICA , Total	2190	43.3	2140	100.2	2.1
		Selenium, Total	2070	3.3 u	2000	103.6	1.0

Recra LabNet - Lionville

INORGANICS PRECISION REPORT 01/09/01

CLIENT: TNUHANFORD B01-028 H1166
 WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	INITIAL			DILUTION FACTOR (REP)
			RESULT	REPLICATE RPD		
-001REP	B10RH6	Silver, Total	1.1 u	1.1 u	NC	1.0
		Arsenic, Total	2.4 u	2.4 u	NC	1.0
		Barium, Total	0.54	0.50	7.7	1.0
		Cadmium, Total	0.30u	0.30u	NC	1.0
		Chromium, Total	0.60	0.62	3.3	1.0
		Lead, Total	2.1 u	2.1 u	NC	1.0
		SILICA , Total	43.3	33.0	27.1	2.1
		Selenium, Total	3.3 u	3.3 u	NC	1.0

Recra LabNet - Lionville

INORGANICS LABORATORY CONTROL STANDARDS REPORT 01/09/01

CLIENT: TNUHANFORD B01-028 H1166
 WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	SPIKED	SPIKED	UNITS	%RECOV
			SAMPLE	AMOUNT		
LCS1	99L1851-LC1	Silver, LCS	502	500	UG/L	100.4
		Arsenic, LCS	9860	10000	UG/L	98.6
		Barium, LCS	4910	5000	UG/L	98.2
		Cadmium, LCS	251	250	UG/L	100.4
		Chromium, LCS	500	500	UG/L	99.9
		Lead, LCS	2480	2500	UG/L	99.0
		SILICA, LCS	11300	10700	UG/L	105.8
		Selenium, LCS	10000	10000	UG/L	100.5

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B01-028-01		Page 1 of 1	
Collector Fahlberg		Company Contact D St. John		Telephone No. 372-9588		Project Coordinator TRENT, SJ		Price Code 7N Data Turnaround 45 Days	
Project Designation Analytical Field Services - 3728 Deionized Water		Sampling Location 3728		SAF No. B01-028		Air Quality <input type="checkbox"/>			
Ice Chest No. <i>Shipping van 96-001 (10A)</i>		Field Logbook No. EL 1517-1		COA MEA123A810		Method of Shipment Fed EX			
Shipped To TMA/RECA <i>R.F. 11/30/00</i>		Offsite Property No. <i>AD10038 D</i>		Bill of Lading/Air Bill No. <i>42357953-0945</i>					
POSSIBLE SAMPLE HAZARDS/REMARKS <i>Sampled originated in non Rad area. NOTA Required</i> Special Handling and/or Storage				Preservation		HCl to pH <2 Cool 4C	Cool 4C	HNO3 to pH <2	HCl to pH <2 Cool 4C
				Type of Container		aG	P	P	aGs*
				No. of Container(s)		1	1	1	3
				Volume		500mL	500mL	500mL	40mL
SAMPLE ANALYSIS				TOC - 9090	IC Anions - 300.0 (Chloride)	See item (1) in Special Instructions.	VOA - 8260A (TCL)		
Sample No.	Matrix *	Sample Date	Sample Time						
B10RH6	WATER	11/30/00	1015	X	X	X	X		
CHAIN OF POSSESSION				SPECIAL INSTRUCTIONS				Matrix *	
Relinquished By		Date/Time		Received By		Date/Time		(1) ICP Metals - 6010A (Supertrace) (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver); ICP Metals - 6010A (Supertrace Add-On) (Silica) Samples stored in Ref. # <i>2B</i> at the 3728 Shipping Facility on <i>11/30/00</i> . Collector not available to relinquish samples on <i>12/14/00</i> for shipment.	
<i>R.F. Fahlberg</i>		<i>10:30</i>		<i>RT Trent</i>		<i>10:30</i>			
<i>Removed from</i>		<i>0800</i>		<i>RT Trent</i>		<i>0800</i>			
<i>R. Thoren</i>		<i>0800</i>		<i>FED EX</i>					
<i>Fed Ex</i>		<i>12-5-00 10:15</i>		<i>J.R. Gorse</i>		<i>12-5-00</i>			
<i>J.R. Gorse</i>		<i>12-5-00 16:17</i>		<i>Fed Ex</i>					
<i>Fed Ex</i>		<i>12-6-00 09:15</i>		<i>V. Henry</i>		<i>12-6-00 09:15</i>		S=Soil SE=Sediment SO=Solid S=Sludge W=Water D=DW A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other	
LABORATORY SECTION		Received By		Disposed By		Date/Time			
FINAL SAMPLE DISPOSITION		Disposal Method				Date/Time			

13

Recra LabNet - Lionville Laboratory
 INORGANIC ANALYTICAL DATA PACKAGE FOR
 TNUHANFORD B01-028 H1166

DATE RECEIVED: 12/06/00

RFW LOT # :0012L488

CLIENT ID /ANALYSIS	RFW #	MTX	PREP #	COLLECTION	EXTR/PREP	ANALYSIS
B10RH6						
CHLORIDE BY IC	001	W	00LZC080	11/30/00	12/15/00	12/15/00
CHLORIDE BY IC	001 REP	W	00LZC080	11/30/00	12/15/00	12/15/00
CHLORIDE BY IC	001 MS	W	00LZC080	11/30/00	12/15/00	12/15/00
TOTAL ORGANIC CARBON	001	W	00LTCA38	11/30/00	12/19/00	12/19/00
TOTAL ORGANIC CARBON	001 REP	W	00LTCA38	11/30/00	12/19/00	12/19/00
TOTAL ORGANIC CARBON	001 MS	W	00LTCA38	11/30/00	12/19/00	12/19/00

LAB QC:

CHLORIDE BY IC	MB1	W	00LZC080	N/A	12/15/00	12/15/00
CHLORIDE BY IC	MB1 BS	W	00LZC080	N/A	12/15/00	12/15/00
TOTAL ORGANIC CARBON	MB1	W	00LTCA38	N/A	12/19/00	12/19/00
TOTAL ORGANIC CARBON	MB1 BS	W	00LTCA38	N/A	12/19/00	12/19/00



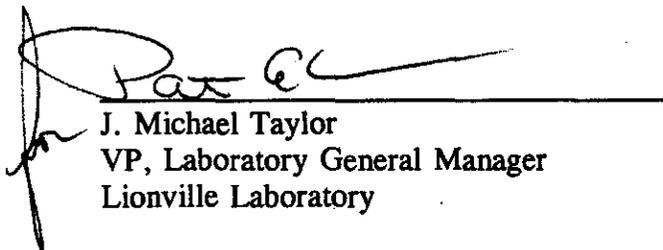
**Recra LabNet Philadelphia
Analytical Report**

**Client : TNU-HANFORD B01-028 H1166
RWF# : 0012L488**

**W.O. # : 10985-001-001-9999-00
Date Received: 12-06-00**

INORGANIC CASE NARRATIVE

1. This narrative covers the analyses of 1 water sample.
2. The sample was prepared and analyzed in accordance with the methods checked on the attached glossary.
3. Sample holding times as required by the method and/or contract were met.
4. The cooler temperature was recorded on the chain-of-custody.
5. The method blanks were within method criteria.
6. The Laboratory Control Samples (LCS) were within the laboratory control limits.
7. The matrix spike recoveries were within the 75-125% control limits.
8. The replicate analyses were within the 20% Relative Percent Difference (RPD) control limit.
9. I certify that this sample data package is in compliance with SOW requirements, both technically and for completeness, other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.



J. Michael Taylor
VP, Laboratory General Manager
Lionville Laboratory

01-15-01
Date

njl12-488

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 10 pages.

WET CHEMISTRY

METHODS GLOSSARY FOR WATER SAMPLE ANALYSIS

	<u>EPA /600</u>	<u>SW846</u>	<u>OTHER</u>
Acidity	305.1		
___ Alkalinity ___ Bicarbonate ___ Carbonate	310.1		
BOD	405.1		___ 5210B (b)
Ion Chromatography:			
___ Bromide <input checked="" type="checkbox"/> Chloride ___ Fluoride	<input checked="" type="checkbox"/> 300.0	___ 9056	
___ Nitrate ___ Nitrite ___ Phosphate	300.0	___ 9056	
___ Sulfate ___ Formate ___ Acetate ___ Oxalate	300.0	___ 9056	
Chloride	325.2	___ 9251	
Chlorine, Residual	330.5 (mod)		
Cyanide, Amenable to Chlorination	335.2	___ 9010B	
Cyanide, Total	335.2	___ 9010B	___ 9014 ___ ILMO4.0 (e)
Cyanide, Weak Acid Dissociable			___ 412 (a) ___ 4500CN-I (b)
COD	410.4(mod)		___ 5220C (b)
Color	110.2		
Corrosivity by Coupon		___ 1110(mod)	
Chromium VI		___ 7196A	___ 3500Cr-D (b)
Fluoride	340.2		___ 4500-FC
Hardness, Calcium	215.2		
Hardness, Total	130.2		
Iodide			___ ASTM D19P202 (1)
Surfactant	425.1		
___ Nitrate-Nitrite ___ Nitrate ___ Nitrite	353.2		
Ammonia	350.3		
Total ___ Kjeldahl ___ Organic Nitrogen	351.4		
Total <input checked="" type="checkbox"/> Organic ___ Inorganic Carbon	415.1	<input checked="" type="checkbox"/> 9060	
Oil & Grease	413.1	___ 9070	
___ pH ___ pH; paper	150.1	___ 9040B ___ 9041A	
Petroleum Hydrocarbons, Total Recoverable	418.1		
Phenol	420.1	___ 420.2 ___ 9065 ___ 9066	
___ Ortho ___ Total Phosphate	365.2		___ 4500-P B ___ C
Salinity			___ 210A (a) ___ 2520 (b)
Settleable Solids	160.5		
Sulfide	376.1	___ 376.2 ___ 9030B/9034 (acid soluble)	
Reactive ___ Cyanide ___ Sulfide		___ Section 7.3 (___ 9014 ___ 9030B)	
Silica	370.1		
Sulfite	377.1		
Sulfate	375.4	___ 9038	
Specific Conductance	120.1	___ 9050A	
Specific Gravity			___ D5057-90 ___ 213E (a)
Synthetic Precipitation Leach		___ 1312	
Total ___ Dissolved ___ Suspended ___ Solids	160 ___ .1 ___ .2 ___ .3		
Total Organic Halides	450.1	___ 9020B	
Turbidity	180.1		
Volatile Solids:			
___ Total ___ Dissolved ___ Suspended	160.4		
Other:		Method:	

Recra LabNet Philadelphia
METHOD REFERENCES AND DATA QUALIFIERS

DATA QUALIFIERS

- U = Indicates that the parameter was not detected at or above the reported limit. The associated numerical value is the sample detection limit.
- * = Indicates that the original sample result is greater than 4x the spike amount added.

ABBREVIATIONS

- MB = Method or Preparation Blank.
MS = Matrix Spike.
MSD = Matrix Spike Duplicate.
REP = Sample Replicate
LC = Laboratory Control Sample.
NC = Not calculated.

A suffix of -R, -S, or -T following these codes indicate a replicate, spike or sample duplicate analysis respectively.

ANALYTICAL WET CHEMISTRY METHODS

1. ASTM Standard Methods.
2. USEPA Methods for Chemical Analysis of Water and Wastes (USEPA 600/4-79-020).
3. Test Methods for Evaluating Solid Waste (USEPA SW-846).
 - a. Standard Methods for the Examination of Water and Waste, 16 ed, (1983).
 - b. Standard Methods for the Examination of Water and Waste, 17 ed, (1989)/18ed (1992).
 - c. Method of Soil Analysis, Part 1, Physical and Mineralogical Methods, 2nd ed, (1986).
 - d. Method of Soil Analysis, Part 2, Chemical and Microbiological Properties, Am. Soc. Agron., Madison, WI (1965).
 - e. USEPA Contract Laboratory Program, Statement of Work for Inorganic Analysis.
 - f. Code of Federal Regulations.

L-WI-034/D-6/99

Recra LabNet - Lionville

INORGANICS DATA SUMMARY REPORT 12/26/00

CLIENT: TNUHANFORD B01-028 H1166
WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
-001	B10RH6	Chloride by IC	0.25 u	MG/L	0.25	1.0
		Total Organic Carbon	0.50 u	MG/L	0.50	1.0

Recra LabNet - Lionville

INORGANICS METHOD BLANK DATA SUMMARY PAGE 12/26/00

CLIENT: TNUHANFORD B01-028 H1166
WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	RESULT	UNITS	REPORTING LIMIT	DILUTION FACTOR
BLANK10	00LZC080-MB1	Chloride by IC	0.25 u	MG/L	0.25	1.0
BLANK10	00LTCA38-MB1	Total Organic Carbon	0.50 u	MG/L	0.50	1.0

Recra LabNet - Lionville

INORGANICS ACCURACY REPORT 12/26/00

CLIENT: TNUHANFORD B01-028 H1166
 WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	SPIKED SAMPLE	INITIAL RESULT	SPIKED AMOUNT	%RECOV	DILUTION FACTOR (SPK)
-001	B10RH6	Chloride by IC	10	0.00	10.0	99.8	2.0
		Total Organic Carbon	5.0	0.00 ^{0.25u}	5.0	100.5	1.0
BLANK10	00LZC080-MB1	Chloride by IC	5.0	0.25u	5.0	99.7	1.0
BLANK10	00LTCA38-MB1	Total Organic Carbon	5.3	0.50u	5.0	106.4	1.0

Recra LabNet - Lionville

INORGANICS PRECISION REPORT 12/26/00

CLIENT: TNUHANFORD B01-028 H1166
WORK ORDER: 10985-001-001-9999-00

RECRA LOT #: 0012L488

SAMPLE	SITE ID	ANALYTE	INITIAL RESULT	REPLICATE	RPD	DILUTION FACTOR (REP)
-001REP	B10RH6	Chloride by IC	0.25u	0.25u	NC	1.0
		Total Organic Carbon	0.50u	0.50u	NC	1.0

RECRA LabNet Use Only
0012L488

Custody Transfer Record/Lab Work Request

Page 1 of 1
FIELD PERSONNEL: COMPLETE ONLY SHADED AREAS



Client <u>TNU-HANford SAF B01-028</u>	Refrigerator # <u>1</u>	<u>AC</u>	<u>D</u>	<u>E</u>	<u>F</u>	<u>0</u>	
Est. Final Proj. Sampling Date _____	#/Type Container	Liquid <u>JAG</u>	<u>IPL</u>	<u>VAG</u>	<u>IPL</u>		
Project # <u>10985-001-001-9999-00</u>	Volume	Liquid <u>40</u>	<u>500</u>	<u>500</u>	<u>500</u>		
Project Contact/Phone # _____	Preservatives	<u>NA</u>	<u>NA</u>	<u>HCL</u>	<u>---</u>		
RECRA Project Manager <u>01</u>	ANALYSES REQUESTED →	ORGANIC				INORG	
QC <u>Spec</u> Del <u>SIC</u> TAT <u>30 day</u>		VOA	BNA	Pea/PCB	Herb	Metal	CN
Date Rec'd <u>12-6-00</u> Date Due <u>1-5-00</u>	RECRA LabNet Use Only						
Account # _____							

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				1	2	3	4	5	6			
	<u>001</u>	<u>B10RH6</u>	<u>/</u>	<u>/</u>	<u>W</u>	<u>1/30/00</u>	<u>100</u>	<u>3</u>	<u>0624H</u>	<u>1</u>	<u>1</u>	<u>1</u>	<u>0</u>	<u>0</u>	<u>0</u>	<u>0</u>

Special Instructions: SAF B01-028

DATE/REVISIONS:
Met 0 1. As As, Ba, Cd, Cr, Pb, Se, Ag, Si

2. _____

3. _____

4. _____

5. _____

6. _____

RECRA LabNet Use Only

Samples were:
1) Shipped or Hand Delivered
SAF B01-028
2) Ambient or Chilled
3) Received in Good Condition or N
4) Labels Indicate Property 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 Preser Upon Sample Rec't or N
Cooler Temp. 2.5

Relinquished by	Received by	Date	Time	Relinquished by	Received by	Date	Time
<u>APP</u>	<u>W.H. ...</u>	<u>12/6/00</u>	<u>0915</u>				

Discrepancies Between Samples Labels and COC Record? Y or (N)
NOTES:
82148980147

COMPOSITE ORIGINAL REWRITTEN

Collector Fahlberg	Company Contact D St. John	Telephone No. 372-9588	Project Coordinator TRENT, SJ	Price Code 7N	Data Turnaround 45 Days
Project Designation Analytical Field Services - 3728 Deionized Water	Sampling Location 3728	SAF No. B01-028	Air Quality <input type="checkbox"/>		
Ice Chest No. <i>Shipping van 96001104</i>	Field Logbook No. EL 1517-1	COA MEA123A810	Method of Shipment Fed EX		
Shipped To TMA/RECRA <i>R.F.D. 11/30/00</i>	Offsite Property No. <i>AD10038 D</i>	Bill of Lading/Air Bill No. <i>42357953-0945</i>			

POSSIBLE SAMPLE HAZARDS/REMARKS <i>Samples originated in non Rad area. NOTA Required Special Handling and/or Storage</i>	Preservation	HCl to pH <2 Cool 4C	Cool 4C	HNO3 to pH <2	HCl to pH <2 Cool 4C
	Type of Container	aG	P	P	aGs*
	No. of Container(s)	1	1	1	3
	Volume	500mL	500mL	500mL	40mL

SAMPLE ANALYSIS				TOC - 9050	IC Anions - 300.0 (Chloride)	See item (1) in Special Instructions.	VOA - 8260A (TCL)
Sample No.	Matrix *	Sample Date	Sample Time				

B10RH6	WATER	11/30/00	1015	X	X	X	X

CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS		Matrix *
Relinquished By <i>R.F. Fahlberg</i>	Date/Time <i>11:30:00</i>	Received By <i>Stored in Ref 2B</i>	Date/Time <i>11:30:00</i>	(1) ICP Metals - 6010A (Supertrace) (Arsenic, Barium, Cadmium, Chromium, Lead, Selenium, Silver); ICP Metals - 6010A (Supertrace Add-On) (Silica) Samples stored in Ref. #2B at the 3728 Shipping Facility on 11/30/00 Collector not available to relinquish samples on 12/4/00 for shipment.		S=Soil SE=Settlement SO=Solid S=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Trace WJ=Wipe L=Liquid V=Vegetation X=Other
Relinquished By <i>Removed from R.F.D. 2B 3728</i>	Date/Time <i>12:4:00</i>	Received By <i>R. Thoren</i>	Date/Time <i>12:4:00</i>			
Relinquished By <i>R. Thoren</i>	Date/Time <i>12:4:00</i>	Received By <i>FED EX</i>	Date/Time			
Relinquished By <i>Fed Ex</i>	Date/Time <i>12-5-00 10:16</i>	Received By <i>RCORSA J.A. GORSA</i>	Date/Time <i>12-5-00</i>			
Relinquished By <i>RCORSA J.A. GORSA</i>	Date/Time <i>12-5-01 16:47</i>	Received By <i>Fed Ex</i>	Date/Time			
Relinquished By <i>Fed Ex</i>	Date/Time <i>12-6-00 09:15</i>	Received By <i>V. Henry</i>	Date/Time <i>12-6-00 09:15</i>			

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

2.5