

START

9613451.1650

TMA NORCAL
REPORTING GROUP 7025

92122-01.B19-TMA-200

0044572

92122-01.B19

12

N202104-01

DATA SHEET

92122-01.B19

SDG <u>7025</u>	Client <u>Westinghouse Hanford</u>
Contact <u>Dinkar arkar</u>	Contract <u>MBH-SVV-069262</u>
Lab sample id <u>N202104-01</u>	Client sample id <u>92122-01.B19</u>
Dept sample id <u>7025-001</u>	Matrix <u>SOIL</u>
Received _____	Collected <u>02/19/92</u>
	Chain of custody id <u>WHC-N-205-18</u>

PARAMETER	CAS NO	RESULT pCi/G	2σ ERR (COUNT)	MDA pCi/G	RDL pCi/G	QUALI- FIERS	TEST
Lead 210		0.046	0.66	0.43	2.0	U	PB



Lab id	<u>TMAN</u>
Protocol	<u>WHC-HEIS</u>
Version	<u>Ver 1.0</u>
Form	<u>DVD-DS</u>
Version	<u>2.14</u>
Report date	<u>08/07/92</u>

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TMA NORCAL

REPORTING GROUP 7025

DATA SHEET

N202104-02

92122-02.819

SDG <u>7025</u>	Client <u>Westinghouse Hanford</u>
Contact <u>Dinkar Kharkar</u>	Contract <u>MBH-SVV-069262</u>
Lab sample id <u>N202104-02</u>	Client sample id <u>92122-02.819</u>
Dept sample id <u>7025-002</u>	Matrix <u>SOIL</u>
Received _____	Collected <u>02/19/92</u>
	Chain of custody id <u>WHC-N-205-18</u>

PARAMETER	CAS NO	RESULT pCi/G	2σ ERR (COUNT)	MDA pCi/G	RDL pCi/G	QUALI- FIERS	TEST
Lead 210		0.48	0.73	0.55	2.0	U	PB

Lab id <u>TMAN</u>
Protocol <u>WHC-HEIS</u>
Version <u>Ver 1.0</u>
Form <u>DVD-DS</u>
Version <u>2.14</u>
Report date <u>08/07/92</u>

9613451.1652

TMA NORCAL
REPORTING GROUP 7025
DATA SHEET

N202104-03

92122-03.B19

SDG 7025
Contact Dinkar Kharkar

Client Westinghouse Hanford
Contract MBH-SVV-069262

Lab sample id N202104-03
Dept sample id 7025-003
Received _____

Client sample id 92122-03.B19
Matrix SOIL
Collected 02/19/92
Chain of custody id WHC-N-205-18

PARAMETER	CAS NO	RESULT pCi/G	2σ ERR (COUNT)	MDA pCi/G	RDL pCi/G	QUALI- FIERS	TEST
Lead 210		0.38	0.64	0.46	2.0	U	PB

Lab id TMAN
Protocol WHC-HEIS
Version Ver 1.0
Form DVD-DS
Version 2.14
Report date 08/07/92

SDG 7025
Contact Dinkar P. Kharkar

Client Westinghouse Hanford
Contract MBH-SVV-069262

CASE NARRATIVE

1.0 GENERAL

Carbon sample results from Location 21A Tile Field (TMA/Norcal Group 7025) are reported herein. TMA/Norcal Group 7025 is comprised of the three samples listed on the Chain-of-Custody documents and is identified as Sample 1 through 3.

1.1 CHAINS-OF-CUSTODY

This report includes data from the sample delivered under Chain-of-Custody documents Field Logbook No. WHC-N-205-18.

1.2 SAMPLE VOLUME

A 500 mL bottle of each sample was received for the analyses.

1.3 MISSING SAMPLES

The sample was accounted for in an undamaged condition.

1.4 HOLDING TIMES

The collection was made on 2/19/92 and the sample processing was initiated within 180 days of collection.

2.0 QUALITY CONTROL

The internal quality control consisted of one sample each of a laboratory control, a blank, and a replicate. All original analyses were performed with QC samples 7025-4, 5, and 6.

The QC samples were prepared and labelled by the quality control officer. Copies of The QC notebook pages are included in the data package.

2.1 LABORATORY CONTROL SAMPLES

LCS recovery for ^{210}Pb was good.

2.2 BLANKS

MDA's for ^{210}Pb analyses meet the RDL requirements.

2.3 REPLICATES

Replicate results were satisfactory for ^{210}Pb analyses.

3.0 ANALYTICAL NOTES

3.1 Lead-210 Analyses: The average yield for six analyses was $(97 \pm 3\%)$. The lowest yield was 94% and the highest was 98%. The average MDA was 0.47 ± 0.081 pCi/g. The ^{210}Pb concentrations were below MDA for all the samples.

FORM OF PAYMENT

Check GBL FCCOD

Bill to Shipper Bill to Consignee Third Party Billing



SERVICES

UNITED STATES / CANADA

Same Day AM Second Day

INTERNATIONAL

Express Preferred Standard Business Documents Customs Clearance Delivery

Shipper's Account Number
E 850281585

Date: 02-20-92
Origin: PSC
Shipment Number: 250986682 1

From: WESTINGHOUSE SHIPPING DEPT (509) 376-6665
US DEPARTMENT OF ENERGY C/O
WESTINGHOUSE HANFORD

To: ROBERT FOX
TMA/NORCAL
2030 WRIGHT AVENUE

BLDG 1163
2395 STEVENS DRIVE
RICHLAND WA

Hold for Pick Up
Canada
RICHMOND CA

Check to Shipper \$
EMERY WORLDWIDE will accept Consignee's check with all risks being assumed by Shipper, including but not limited to non-payment, fraud and misrepresentation.

Customer's Reference Numbers: W12410 PE4AK W92-0-0123#
Zip: 99352

Consignee's Account Number: E 94804
Zip: 94804

Description	Pcs.	Dimensions			Total Pieces	Total Weight (In Lbs.)
		L	W	H		
1 COOLER # 133 SAMPLES 92122-01.B19; 92122-02.B19; 92122-03.B19	1	11	11	11	1	41

FOR INFORMATION OR RATES
CALL 1-800 44 EMERY
(1-800-443-6379)

OVERNIGHT DELIVERY
W92-0-0123 #55
Zip Ship
Mark if Emery Packaging is used
Urgent Letter Urgent Pack



Shipper's Signature: *X... Nov 20-92*
International Shipments Third Party Account Number mandatory for Third Party Billing: E

Commodity Code: _____
International Customs Value: _____
International Insurance: _____
Base Charge: _____
Total Transportation Charges: _____
Other Charges/Advance at Origin: \$ _____

1-OAK-A
Terms and Conditions on Back

PLEASE TYPE OR USE BALL POINT PEN. BEAR DOWN FIRMLY!
KEEP MARKS WITHIN BOXES TO ASSURE ACCURACY

Westinghouse Hanford Company

CHAIN OF CUSTODY

002267

Custody Form Initiator RZ Steffler

Company Contact Randy Cottman / Joan Kessner

Telephone 6-1146/3-3507

Project Designation/Sampling Locations Z1A Tile Field
Carbon Canisters

Collection Date 2-19-92

Ice Chest No. _____

Field Logbook No. WHC-N-205-18

Bill of Lading/Airbill No. _____

Offsite Property No. _____

Method of Shipment Emery Air Express

Shipped to TMA Lab

Possible Sample Hazards/Remarks Unknown

Sample Identification

92122-01. B19

92122-02. B19

92122-03. B19

~~RZS
2-19-92~~

~~RZS
2-19-92~~

Field Transfer of Custody

CHAIN OF POSSESSION

(Sign and Print Names)

Relinquished by: R.Z. Steffler
R.Z. Steffler

Received by: Kermit Blum

Date/Time: 2-21-92 1200

Relinquished by: _____

Received by: _____

Date/Time: _____

Relinquished by: _____

Received by: _____

Date/Time: _____

Relinquished by: _____

Received by: _____

Date/Time: _____

Final Sample Disposition

Disposal Method: _____

Disposed by: _____

Date/Time: _____

Comments: _____

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collector RZ Steffler Date Sampled 2-19-92 Time 1030 hours
 Company Contact Randy Coffman / Joan Kessner Telephone (509) 376-1146 / 373-3507

Sample Number	Number and Type of Sample Containers	Type of Sample*	Analysis Requested
92122-01.B19	(1) 500 ml amber glass	Carbon	Pb-210, Tritium
92122-02.B19	(1) 500 ml amber glass	Carbon	Pb-210, Tritium
92122-03.B19	(1) 500 ml amber glass	Carbon	Pb-210, Tritium
RES 2-19-92			

Field Information** _____

Special Handling and/or Storage _____

Possible Sample Hazards _____

PART II: LABORATORY SECTION

Received by Kermit Blum Title Sample Control Supervisor Date 2-21-92

Analysis Required _____

*Indicate whether sample is soil, sludge, water, etc.

**Use back of page for additional information relative to sample location.

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AIR OVERNIGHT

Contractor WESTINGHOUSE HANFORD	OFF-SITE PROPERTY CONTROL	CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT) W92-0-0123 #55
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PART I - TO BE COMPLETED BY ORIGINATOR

Department PROCESSING & ANALYTICAL LAB	Section ANALYTICAL CHEMISTRY	Unit SAMPLING & MOBILE LAB
--	--	--

The following items are to be shipped from	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Vendor
Routing EMERY AIR EXPRESS	<input checked="" type="checkbox"/> Contractor	<input type="checkbox"/> Vendor

Shipped to TMA/NORCAL 2030 WRIGHT AV RICHMOND CA 94804	Off-site Custodian ROBERT FOX
	Full Title

Quantity	Description (Include Serial and any Government Tag Numbers)	Original Cost
1	POLYCOOLER. SAMPLES PACKED IN PLASTIC BAGS AND STORED ON WET ICE.	
WEIGHT 41 LBS	SAMPLE #s 92122-01.B19 92122-02.B19 92122-03.B19	
	COOLER # 133	

Classified Unclassified Shipped Under DOE Contract Shipped Under Contractor's Use Permit Contract

Necessity for the Off-Site Use of this Property
SAMPLES REQUIRE ANALYSIS THAT ARE NOT PRESENTLY AVAILABLE AT THIS SITE.

BILL OF LADING # 2509866521

CERTIFICATION OF THE RADIATION MONITORING RELEASE MUST BE SECURED THE SAME DAY THAT MATERIAL IS DELIVERED TO SHIPPING.

RM Clearance for Public Release	RM Survey No.	Date
Location of Property (Area & Bldg.) 200 WEST AREA/222-S	Contact B. Z. Steffler	Phone 3-9146
Date Ready for Shipment 02/20/92	Cost Code to be Charged PE4AK/ORG CODE: 12410	Approximate Date This Property will be Returned N/A
Originated By R. Z. Steffler	Date 02/20/92	Authorized By 502032 R. A. Meznarich <i>RAM</i>
Signature and Name of Property Control	Custodian Date	Property Management Approval <i>[Signature]</i>
		Date 2/20/92

PART II - TO BE COMPLETED BY SHIPPING

Signature of Recipient <i>[Signature]</i>	Return Order No.	Date Issued	Purchase Order No.	Date Issued
Date 2-20-92				37

DISTRIBUTION

By Originator White, Green, Yellow, Pink - Property Management Goldenrod - Retain	Shipping Operation - Sign all Copies and Forward to: White - Property Management Green - Property Control Custodian (Issuing Office) Yellow - Retain Pink - Originator
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OFFICE OF SAMPLE MANAGEMENT

RECORD OF DISPOSITION

ROD-92-00150

Record of Disposition No.

DATE: 08/14/92

LABORATORY: TMA

PROJECT TITLE/NO.: ZIA Tile Field Carbon Canisters/92-122

NCR NO.:

SAMPLE IDENTIFICATION NUMBERS:

-- 92122-01.B19, 92122-02.B19, and 92122-03.B19

DESCRIPTION OF EVENT:

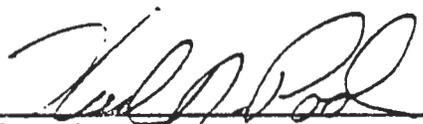
The laboratory inadvertently heated the samples (in preparation for ²¹⁰Pb analysis) prior to obtaining a tritium aliquot. By heating the samples to 110°C, the samples were made unusable for tritium analysis.

DISPOSITION OF SAMPLES:

Per Jeff Gale, the tritium analysis was canceled.

APPROVAL SIGNATURES:

K. N. Pool

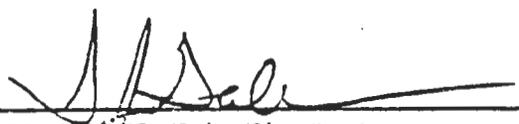


OSM Project Coordinator (Print/Sign Name)

8/14/92

Date

S. J. Gale



Technical Representative (Print/Sign Name)

9-8-92

Date

Quality Assurance (Print/Sign Name)

Date

CAR No.	<u>92-106</u>	Issue Date	<u>07-27-92</u>	Page No.	<u>1</u> of <u>1</u>
1. Department	<u>Nuclear</u>	Attention:	<u>J. Floyd</u>		
2. Corrective action is required for (Description of problem/item):	<u>Westinghouse Hanford sample set number 91122-01, -02, -03 was not analyzed for tritium. Work Order Number N2-02-104.</u>				
3. Reference	<u>Work Order N2-02-104</u>				
4. Requestor	<u>L. A. Johnson</u>	Title	<u>Q.A. Manager</u>		
5. Completion of items 6 through 10 due by:	<u>08-10-92</u>				
6. 10 CFR Part 21 applies: YES	<input type="checkbox"/>	NO	<input type="checkbox"/>		
7. Root cause of problem	_____				
8. Proposed corrective action	_____				
9. Proposed action completion date	_____				
10. Department representative	_____	Date	_____		
11. Corrective action proposed acceptable: yes	<input type="checkbox"/>	no	<input type="checkbox"/>		
12. Signature	_____	Date	_____		
13. Completion of items 14 through 17 due by:	_____				
14. Actual corrective action taken	_____				
15. Action taken to assess impact on program or technical data	_____				
16. Action taken to prevent recurrence	_____				
17. Signature	_____	Date	_____		
18. Implementation verified by	_____	Date	_____		
19. Operational Manager review	_____	Date	_____		
20. Q.A. final review (CAR closed)	_____	Date	_____		

9613451-1660

Westinghouse Hanford Company

CHAIN OF CUSTODY 002267

Custody Form Initiator RZ Steffler

Company Contact Randy Cottman / Joan Kessner

Telephone 6-1146/3-2507

Project Designation/Sampling Locations ZIA Tile Field

Collection Date 2-19-92

Carbon Canisters

Ice Chest No. _____

Field Logbook No. Wtk. N-205-18

Bill of Lading/Airbill No. _____

Offsite Property No. _____

Method of Shipment Emery Air Express

Shipped to TMA Lab

Possible Sample Hazards/Remarks Unknown

Sample Identification

92122-01. B19

92122-02. B19

92122-03. B19

~~RZ
2-19-92~~

~~RZ
2-19-92~~

Field Transfer of Custody CHAIN OF POSSESSION (Sign and Print Names)

Relinquished by: R.Z. Steffler Received by: Kenneth Blum Date/Time: 2-21-92 1200

Relinquished by: _____ Received by: _____ Date/Time: _____

Relinquished by: _____ Received by: _____ Date/Time: _____

Relinquished by: _____ Received by: _____ Date/Time: _____

Final Sample Disposition

Disposal Method: _____ Disposed by: _____ Date/Time: _____

9613451.1661

SAMPLE ANALYSIS REQUEST

PART I: FIELD SECTION

Collector RZ Steffler

Date Sampled 2-19-92 Time 1030 hours

Company Contact Randy Coffman / Joan Kessner

Telephone (509) 376-1146 / 377-3507

Sample Number	Number and Type of Sample Containers	Type of Sample*	Analysis Requested
92122-01.819	(1) 500 ml amber glass	Carbon	Pb-210, Tritium
92122-02.819	(1) 500 ml amber glass	Carbon	Pb-210, Tritium
92122-03.819	(1) 500 ml amber glass	Carbon	Pb-210, Tritium
RES 2-19-92			

Field Information** _____

Special Handling and/or Storage _____

Possible Sample Hazards _____

PART II: LABORATORY SECTION

Received by Kermit Blum Title Sample Control Supervisor Date 2-21-92

Analysis Required _____