START 9613474.1723

W0089-ITC-083

0045226

INTERNATIONAL TECHNOLOGY CORPORATION

RECORD COPY

Westinghouse Hanford Company
P.O. Box 1970
Richland, WA 99352

Dear Mr. Lerch:

Thank you for purchasing analytical testing services from IT Corporation. It is our intention to supply our clients with data packages which not only meet the industry's highest standards for quality, but are also easy to use. Features which we point out are:

1. A Data Summary Packet which allows you to review your data without searching through the complete data package.

   Your Data Summary Packet contains the following items:

   - Case Narrative: listing of sample identifications, analyses performed, explanation of any problem associated with samples, corrective action taken.
   - Quality control sample identifications and analyses performed.
   - Data summary.

2. A data package which meets the specific requirements you requested and is easy to use as well. The package is organized in accordance with the Table of Contents which you will find at the beginning of each section. Sections are separated by color-coded tabs, making it easy to find individual analytical parameters which may be of particular interest to you. The data package is custody-sealed at the laboratory - your assurance that parts of the package are not missing.

We are constantly searching for ways to improve our service to you. This current product has many of the features which you have told us are important to you. Your suggestions regarding additional improvements will be appreciated.

Please contact me with any questions or suggestions.

Sincerely,

Wade H. Price
Project Manager

SEP 1996 RECEIVED EDMC

JUL 1994 RECEIVED SDLA

Regional Office
13715 N. Rider Trail • Earth City, Missouri 63045-1205 • 314-298-8566 • FAX: 314-298-8757

IT Corporation is a wholly owned subsidiary of International Technology Corporation

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INTERNATIONAL TECHNOLOGY CORPORATION

CERTIFICATE OF ANALYSIS

Westinghouse Hanford Company
P.O. Box 1970
Richland, Washington 99352

July 14, 1994

Attention: J. A. Lerch

Project number	:	519.45
Date Received by Lab	:	June 9, 1994
Number of Samples	:	Six (6)
Sample Type	:	Soil
SDG Number	:	W0089
Data Deliverable	:	~~Summary~~ Stand Alone VC 7/20/94

I. Introduction

On June 9, 1994, six (6) soil samples were received by ITAS-Richland and transferred to ITAS-St. Louis for chemical analysis. Upon receipt, the samples were given the following laboratory ID numbers to correspond with the specific client ID's:

St. Louis ID	WHC ID	Richland ID	Matrix	Date of Receipt
5304-001	BO8NV8	40619801	Soil	06/09/94
5304-002	BO8NV9	40619802	Soil	06/09/94
5304-003	BO8NW1	40619803	Soil	06/09/94
5304-004	BO8NW2	40619804	Soil	06/09/94
5304-005	BO8NW3	40619805	Soil	06/09/94
5304-006	BO8NW4	40619806	Soil	06/09/94

000041

II. Analytical Results/ Methodology

The analytical results for this report are presented by analytical test. Each set of data includes sample identification information, analytical results, and the appropriate detection limits.

Analyses requested: TPH by EPA method 8015.

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III. Quality Control

A Laboratory Control Sample and Method Blank were analyzed with each preparation batch. Matrix Spike and Matrix Spike Duplicate analyses were performed for all analytes in this SDG.

IV. Definitions

The following codes are used to denote laboratory quality control samples and can be found in the data summary section of this report:

QCBLK- Quality Control Blank, Method Blank
QCLCS- Quality Control Laboratory Control Sample, Blank Spike

V. Comments

The client asked for both diesel (called Fuel Oil #2 in the standard mixes) and for contaminants heavier than diesel to be quantitatedby the method. Per our SOP, we calibrate everything using Fuel Oil #2. An initial calibration for Fuel Oil #2 is accompanied by an injection of Fuel Oil #1 (lower boiling) and waste oil (higher boiling, equivalent to motor oil) to show that the calibration factor for the three oils do not vary by more than 15%.

The sample chosen for preparation of MS and MSD, 5304-001, contained motor oil at a concentration of 1200 mg/kg. Diesel was spiked into the samples at 130 mg/kg, and although it was qualitatively detected by pattern, quantitation of the diesel was not possible. Therefore, the recovery of the MS and MSD spike are given as NC (not calculated). The recovery of the diesel spike in the LCS was 98%.

The surrogate recovery for 5304-001 MS (219%) was outside the laboratory-generated control limits of Detected to 217%. This was deemed to be due to matrix effect, and is flagged in the data report.

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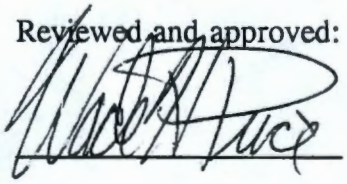
I certify that this Certificate of Analysis is in compliance with the terms and conditions of the contract both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the Laboratory Manager or a designee, as verified by the following signature.

Reviewed and approved:



Wade H. Price
Project Manager
z:\annelars\hanw0089.nar

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1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
BO8NW1

Lab Name: ITAS-St. Louis Contract: 519.45

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0089

Matrix : (soil/water) SOIL Lab Sample ID: 5304-003

Sample wt/vol: 20.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-08-94

% Moisture: not dec. 8 dec. _____ Date Extracted: 06-22-94

Extraction: (SepF/Cont/Sonc/Shak) SONC Date Analyzed: 07-01-94

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) mg/Kg	Q
	DIESEL	27	U
	MOTOR OIL	460	

U: Concentration of analyte is less than the value given.

(1): Diesel and Motor Oil are quantitated as if they are Fuel Oil #2.

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1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
BO8NW2

Lab Name: ITAS-St. Louis Contract: 519.45

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0089

Matrix : (soil/water) SOIL Lab Sample ID: 5304-004

Sample wt/vol: 20.1 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-08-94

% Moisture: not dec. 3 dec. _____ Date Extracted: 06-22-94

Extraction: (SepF/Cont/Sonc/Shak) SONC Date Analyzed: 07-02-94

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) mg/Kg	Q
	DIESEL	26	U
	MOTOR OIL	110	

U: Concentration of analyte is less than the value given.

(1): Diesel and Motor Oil are quantitated as if they are Fuel Oil #2.

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1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
BO8NW3

Lab Name: ITAS-St. Louis Contract: 519.45

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0089

Matrix : (soil/water) SOIL Lab Sample ID: 5304-005

Sample wt/vol: 20.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-08-94

% Moisture: not dec. 3 dec. _____ Date Extracted: 06-22-94

Extraction: (SepF/Cont/Sonc/Shak) SONC Date Analyzed: 07-02-94

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) mg/Kg	Q
	DIESEL	26	U
	MOTOR OIL	26	U

U: Concentration of analyte is less than the value given.

(1): Diesel and Motor Oil are quantitated as if they are Fuel Oil #2.

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1D

HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.: BO8NW4

Lab Name: ITAS-St. Louis Contract: 519.45

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0089

Matrix : (soil/water) SOIL Lab Sample ID: 5304-006

Sample wt/vol: 20.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-08-94

% Moisture: not dec. 0 dec. _____ Date Extracted: 06-22-94

Extraction: (SepF/Cont/Sonc/Shak) SONC Date Analyzed: 07-01-94

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) mg/Kg	Q
	DIESEL	25	U
	MOTOR OIL	25	U

U: Concentration of analyte is less than the value given.

(1): Diesel and Motor Oil are quantitated as if they are Fuel Oil #2.

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1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
BO8NV8

Lab Name: ITAS-St. Louis Contract: 519.45

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0089

Matrix : (soil/water) SOIL Lab Sample ID: 5304-001

Sample wt/vol: 20.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-08-94

% Moisture: not dec. 3 dec. _____ Date Extracted: 06-22-94

Extraction: (SepF/Cont/Sonc/Shak) SONC Date Analyzed: 07-02-94

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) mg/Kg	Q
	DIESEL	26	U
	MOTOR OIL	1200	

U: Concentration of analyte is less than the value given.

(1): Diesel and Motor Oil are quantitated as if they are Fuel Oil #2.

C00000

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1D
HBH ANALYSIS DATA SHEET

EPA SAMPLE NO.
BO8NV9

Lab Name: ITAS-St. Louis Contract: 519.45

Lab Code: ITSL Case No.: _____ SAS No.: _____ SDG No.: W0089

Matrix : (soil/water) SOIL Lab Sample ID: 5304-002

Sample wt/vol: 20.0 (g/ml) g Lab File ID: _____

Level: (low/med) LOW Date Sampled: 06-08-94

% Moisture: not dec. 3 dec. _____ Date Extracted: 06-22-94

Extraction: (SepF/Cont/Sonc/Shak) SONC Date Analyzed: 07-02-94

GPC Cleanup: (Y/N) N pH: _____ Dilution Factor: 1

CAS NO.	Compound	CONCENTRATION UNITS: (mg/L or mg/Kg) mg/Kg	Q
	DIESEL	26	U
	MOTOR OIL	1100	

U: Concentration of analyte is less than the value given.

(1): Diesel and Motor Oil are quantitated as if they are Fuel Oil #2.

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ITAS - St. Louis June 18, 1994 11:13 am
Account: 10722 Project: 519.45 ITAS - Richland QAS No. 585 Rev. 0
Master Sample Login: 5304

Project Manager: W. Price

Draft: Final: Entered and Reviewed by: PM Review:

Sample Header Template:

Sample No.	Client ID	C-Matrix	Date: Collected	Received	Due	Shipper	Rad Category	Rad Sample No.
Comments								
# Container Type	Analysis	Class	Preservative	Anal. Due Date	Hold Date	Site	(Container Numbers:% Filled)	
Data:								
5304-001	B08NV8	Soil	08-JUN-94 09:20	09-JUN-94 08:30	14-JUL-94	FED-EX	2	R2388-006
RICHLAND I.D.# IS 40619801. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81927:100 81928:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81929:100)	
5304-001MS	B08NV8	Soil	08-JUN-94 09:20	09-JUN-94 08:30	14-JUL-94	FED-EX	2	R2388-006
RICHLAND I.D.# IS 40619801. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81927:100 81928:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81929:100)	
5304-001MSD	B08NV8	Soil	08-JUN-94 09:20	09-JUN-94 08:30	14-JUL-94	FED-EX	2	R2388-006
RICHLAND I.D.# IS 40619801. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81927:100 81928:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81929:100)	
5304-002	B08NV9	Soil	08-JUN-94 09:20	09-JUN-94 08:30	14-JUL-94	FED-EX	3	R2388-005
RICHLAND I.D.# IS 40619802. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81930:100 81931:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81932:100)	
5304-003	B08NW1	Soil	08-JUN-94 09:45	09-JUN-94 08:30	14-JUL-94	FED-EX	3	R2388-004
RICHLAND I.D.# IS 40619803. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81933:100 81934:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81935:100)	
5304-004	B08NW2	Soil	08-JUN-94 09:38	09-JUN-94 08:30	14-JUL-94	FED-EX	2	R2388-003
RICHLAND I.D.# IS 40619804. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81936:100 81937:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81938:100)	
5304-005	B08NW3	Soil	08-JUN-94 09:29	09-JUN-94 08:30	14-JUL-94	FED-EX	2	R2388-002
RICHLAND I.D.# IS 40619805. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81939:100 81940:100)	
1 AN - Amber Glass-60ML	PM/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81941:100)	

3*=Sample has not been rad screened.

0000009

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ITAS - St. Louis June 18, 1994 11:13 am
Account: 10722 Project: 519.45 ITAS - Richland QAS No. 585 Rev. 0
Master Sample Login: 5304

Project Manager: W. Price

Draft: Final: Entered and Reviewed by:_____ PM Review:_____

Sample Header Template: _____

Sample No.	Client ID	C-Matrix	Date: Collected	Received	Due	Shipper	Rad Category	Rad Sample No.
Comments								
# Container Type	Analysis	Class	Preservative	Anal. Due Date	Hold Date	Site	(Container Numbers:% Filled)	
Date:								
5304-006	BOBNW4	Soil	08-JUN-94 13:00	09-JUN-94 08:30	14-JUL-94	FED-EX	2	R2388-001
RICHLAND I.D.# IS 40619806. SPIKE WITH DIESEL; QUANTITATE BOTH DIESEL AND MOTOR OIL.								
2 AN - Amber Glass-120ML	TPH/8015/Q4	S	COLD	07-JUL-94	22-JUN-94	R8E	(81942:100 81943:100)	
1 AN - Amber Glass-60ML	PH/IT/Q4	S	COLD	07-JUL-94	05-DEC-94	R8E	(81944:100)	

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3*=Sample has not been rad screened.

5304

CUR#: 450

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD*

Reference Document No. 453690

Page 1 of 2

Project Name/No. 1 94-260

Sample Team Members 2

Profit Center No. 3 4632

Project Manager 4 Van Pettey

Purchase Order No. 6

Required Report Date 11

Samples Shipment Date 7 6/9/94

Lab Destination 8 St. Louis

Lab Contact 9

Project Contact/Phone 12

Carrier/Waybill No. 13

Bill to: 5 ITAS Richland

Report to: 10 ITAS Richland

ONE CONTAINER PER LINE

Sample Number 14	Sample Description/Type 15	Date/Time Collected 16	Container Type 17	Sample Volume 18	Pre-servative 19	Requested Testing Program 20	Condition on Receipt 21 Temp	Disposal Record No. 22
40619801 A	B08NV8/Soil	6/8/94 9:20 See WHC	AG COC/RFA	120mL	4°C	See WHC COC/RFA	3°	
| B	|	6/8/94 9:20	AG	120mL	|		3°	
| C	|	6/8/94 9:20	AG	60mL	|		3°	
40619802A	B08NV9/Soil	6/8/94 9:20	AG	120mL	|		3°	
| B	|	↓	AG	120mL	|		3°	
| C	|	↓	AG	60mL	|		3°	
40619803A	B08NW1/Soil	6/8/94 9:45	AG	120mL	|		3°	
| B	|	6/8/94 9:45	AG	120mL	|		3°	

FOR LAB USE ONLY

FOR LAB USE ONLY

Special Instructions: 23

Possible Hazard Identification: 24
Non-hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☑

Sample Disposal: 25
Return to Client ☑ Disposal by Lab ☐ Archive _____ (mos.)

Turnaround Time Required: 26
Normal ☑ Rush ☐

QC Level: 27
I. ☐ II. ☐ III. ☐ Project Specific (specify): SDG W0089

1. Relinquished by 28 (Signature/Affiliation) [signature] ITAS	Date: 6/9/94 Time: 1600	1. Received by 28 (Signature/Affiliation) [signature]	Date: 10 June 1994 Time: 9:00
2. Relinquished by (Signature/Affiliation)	Date: Time:	2. Received by (Signature/Affiliation)	Date: Time:
3. Relinquished by (Signature/Affiliation)	Date: Time:	3. Received by (Signature/Affiliation)	Date: Time:

Comments: 29

0000011

White: To accompany samples

Yellow: Field copy

*See back of form for special instructions.

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MCA 3/15/91

INTERNATIONAL TECHNOLOGY CORPORATION

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD (cont.)*

Reference Document No.[30] 455690

Project Name SDG W0089 | Project No. 94-260 | Samples Shipment Date 6/9/94

ONE CONTAINER PER LINE

Sample[14] Number	Sample[15] Description/Type	Date/Time[16] Collected	Container[17] Type	Sample[18] Volume	Pre-[19] servative	Requested Testing[20] Program	Condition on[21] Receipt	Disposal[22] Record No.
406198 03 C	B08NW1/Soil	6/8/94 9:45 See WHC COC RFA	60mL AG	A	4°C	See WHC COC/RFA	Tag 3°	
406198 04 A	B08NW2/Soil	6/8/94 9:38	120mL AG				3°	
B	↓	↓	120 mL AG				3°	
C	↓	↓	60mL AG				3°	
406198 05 A	B08NW3/Soil	6/9/94 9:29	120mL AG				5°	
B	↓	↓	120mL AG				5°	
C	↓	↓	60mL AG				5°	
406198 06 A	B08NW4/Soil	6/9/94 13:00	120 mL AG				5°	
B	↓	↓	120 mL AG				5°	
C	↓	↓	60mL AG				5°	
(5) 6/9/94								
	0000012							

FOR LAB USE ONLY

961347.1736

White: To accompany samples Yellow: Field copy

*See back of form for special instructions.

9613474.1737

Westinghouse Hanford Company	CHAIN OF CUSTODY

Custody Form Initiator Craig E. Heiden
Company Contact Craig E. Heiden
Project Designation/Sampling Locations Riverland ERA 100-IU-1
Ice Chest No. RW #7
Bill of Lading/Airbill No. ——
Method of Shipment Hand Delivery / DOE Vehicle
Shipped to IT Laboratories, Richland, WA 99352
Possible Sample Hazards/Remarks ——

Telephone 376-2640
Collection Date 6/8/94
Field Logbook No. EFL-1042-3
Offsite Property No. W94-0-0573 #41

"STANDALONE DELIVERABLE"

406198

Sample Identification	
B0BNV8 → (2) 120 ml AG jars; (1) 60 ml AG jar	01ABC
B0BNV9 → (2) 120 ml AG jars; (1) 60 ml AG jar	02ABC
B0BNW1 → (2) 120 ml AG jars; (1) 60 ml AG jar	03ABC
B0BNW2 → (2) 120 ml AG jars; (1) 60 ml AG jar	04ABC
B0BNW3 → (2) 120 ml AG jars; (1) 60 ml AG jar	05ABC
B0BNW4 → (2) 120 ml AG jars; (1) 60 ml AG jar	06ABC

[] Field Transfer of Custody

Chain of Possession (Sign and Print Names)

Relinquished By	Date	Time	Received By	Date	Time
C.E. Heiden	6/9/94	0750	Karen Hutchinson ITAS	6-9-94	8:30

Final Sample Disposition

Disposal Method:	Disposed by:	Date/Time:

Comments:

A-6000-407 (12/92) WEF061

9613474.1738

DON'T SAY IT --- *Write It!*

DATE: April 22, 1993 93-33530-052

TO: J. E. Lindsey S0-05

FROM: K. A. Smith NI-06

Telephone: 6-3323

cc: R. H. Griffin S4-67
R. E. Heineman R3-12
J. W. Schmidt H6-30
P. J. Valcich H6-04
C. D. Wade NI-06
KAS: File/LB

SUBJECT: **FACILITIES/AREAS EXEMPT FROM RADIOLOGICAL RELEASE SURVEY**

Add the following areas/ facilities to the approved exempt facility/area list:

FACILITY/ AREA

NAMES AND LOCATIONS: The 100-IU-1 Operable Unit and all waste sites contained within. Includes; Riverland Rail Yard Homestead Sites, Munition Cache, anti-aircraft artillery sites, and Military Exercise Sites. The Operable Unit is located south of the Vernita Bridge and west of Highway 240.

BASIS: With the exception of the Riverland Rail Site, the area has no history of work with radioactive materials within it's boundaries. The Rail Site was remediated in the 1960s and follow-up surveys with conventional instrumentation and USRADS show no areas containing elevated radiological levels. Core samples taken at the wash pad area were analyzed and found to contain less than 20 pCi/gram of total radioactive material. The site is located up-stream of the prevailing winds from the direction of Hanford operations and wind-blown contamination is not likely to be present.

REFERENCES: Radiation Survey Report numbers 127760, 127663, 128144, 145977.

CONTACT: If there are any questions concerning this exemption please contact C. D. Wade (6-3770) or K. A. Smith at 6-3323.

APPROVED:

0000014

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Contractor	OFF-SITE PROPERTY CONTROL	CONTROL NUMBER (To be obtained from PROPERTY MANAGEMENT)
Westinghouse Hanford		W94-0-0573 #41

PART I – TO BE COMPLETED BY ORIGINATOR

Department	Section	Unit
Environmental Engineering Support	Field Characterization Projects	

The following items are to be shipped from ☒ Contractor ☐ Vendor

Routing HAND CARRY ☒ Contractor ☐ Vendor

Shipped to
IT Laboratories
2800 George Washington Way
Richland, WA 99352

Off-site Custodian

Full Title

Quantity	Description (Include Serial and any Government Tag Numbers)	Original Cost
1	Polycooler. Samples packed in plastic bags and vermiculite. Samples stored with blue ice. Sample # B08NV8, B08NV9, B08NW1, B08NW2, B08NW3 and B08NW4 Weight _____ Cooler # _____	

☐ 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 is not presently available on site.

0000015

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
S J Erlenbusch	765	6-9-94

Location of Property (Area & Bldg.)	Contact	Phone
Riverland ERA 100-IU-1	Craig E. Heiden	376-2640

Date Ready for Shipment	Cost Code to be Charged	Approximate Date This Property will be Returned
6/9/94	PB6AA / Org Code 88420	N/A

Originated By	Date	Authorized By	Date
Craig E. Heiden		[signature]	6/7/94

Signature and Name of Property Control	Custodian Date	Property Management Approval	Date
		[signature]	6/8/94

PART II – TO BE COMPLETED BY SHIPPING

Signature of Recipient	Return Order No.	Date Issued	Purchase Order No.	Date Issued
Karen Fechtenberg				
Date 6-9-94 8:30				

DISTRIBUTION

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

9613474.1740

INTERNATIONAL TECHNOLOGY CORPORATION
Regional Office
2800 George Washington Way
Richland, Washington 99352

SAMPLE CHECK-IN LIST

(1 Per Shipping Container)

Date/Time Received 6-9-94 8:30 Client Name WHC

Project/Client # 94-260 Batch or Case # N/A

Cooler ID (if noted on the outside of cooler) # 7

1. Condition of shipping container? O.K.
2. Custody Seals on cooler intact? Yes ☐ No ☒
3. Custody Seals dated and signed? Yes ☐ No ☒
4. Chain of Custody record is taped on inside of cooler lid? Yes ☒ No ☐
5. Vermiculite/packing material is: Wet ☐ Dry ☒
6. Each sample is in a plastic bag? Yes ☒ No ☐
7. Number of sample containers in cooler: ~~18~~ 6-9-94 18
8. Samples have: X tape ____ hazard labels
   X custody seals ____ appropriate sample labels
9. Samples are: X in good condition ____ leaking
   ____ broken ____ have air bubbles
   ____ other
10. Coolant present? Yes ☒ No ☐

Sample temperature 4°C

11. The following paperwork should be accounted for (N/A if not applicable):
    Chain of Custody #'(s) N/A
    Request for analysis #(s) N/A
    Airbill # N/A Carrier N/A
12. Have any anomalies been identified above? Yes ☐ No ☑
13. Memos have been initiated for all anomalies identified above? Yes ☐

Printed Name/Signature Tom Gilmore Date/Time 6/9/94 0830

FORM NO. LS-042, Rev.0, 2/94

0000016

9613474.1741

Westinghouse Hanford Company	SAMPLE ANALYSIS REQUEST

Company Contact: Craig E. Heiden

Date: 6/8/94

Telephone: (509) 376-2640

Sample Number	*	Date Collected	Time Collected	Number and Type of Sample Containers/Analysis Required
B08NV8	S	6/8/94	0920	(1) 120 ml, TPH-Diesel ; (1) 120 ml, TPH > Diesel
				(1) 60 ml Activity Scan
B08NV9	S	6/8/94	0930	(1) 120 ml, TPH-Diesel ; (1) 120 ml, TPH > Diesel
				(1) 60 ml Activity Scan
B08NW1	S	6/8/94	0945	(1) 120 ml, TPH-Diesel ; (1) 120 ml, TPH > Diesel
				(1) 60 ml Activity Scan
B08NW2	S	6/8/94	0938	(1) 120 ml, TPH-Diesel ; (1) 120 ml, TPH > Diesel
				(1) 60 ml Activity Scan
B08NW3	S	6/8/94	0939	(1) 120 ml, TPH-Diesel ; (1) 120 ml, TPH > Diesel
				(1) 60 ml Activity Scan
B08NW4	S	6/8/94	1300	(1) 120 ml, TPH-Diesel ; (1) 120 ml, TPH > Diesel
				(1) 60 ml Activity Scan
				NOTE:
				TPH-Diesel Method 8015M
				TPH > Diesel Method 8015M

*Type of Sample: A = Air; DL = Drum Liquids; DS = Drum Solids; L = Liquid; O = Oil; S = Soil; SE = Sediment; SL = Sludge; SO = Solid; T = Tissue; W = Water; WI = Wipe; X = Other

Field Information —

Special Handling and/or Storage: Keep samples at 4° C

Possible Sample Hazards —

0000017

A-6000-406 (06/91) WEF060

INTERNATIONAL TECHNOLOGY CORPORATION

C.O.R. and C.O.C.

COPIED TO: Wade Price
DATE: 10 June 1994
TIME: 10:15
BY: Jeff Danielson

Work Order No.: _____

Condition Upon Receipt Variance Report
ITAS - St. Louis Laboratory

Client: _____ Date: 10 June 1994

Project No: _____ Initiated by: Jeff Danielson

Analysis Requested: Refer to RFA/COC RFA/COC Numbers: 453690

Client Sample Numbers Affected: Entire Login

Condition/Variance (Check all that apply): Circle Number to Denote that Item was Evaluated. "NA" = "Not Applicable".

1. NA Not enough sample received for proper analysis.
   Received approximately: _____
2. ☐ Sample received broken/leaking.
3. ☐ Sample received without proper preservative.
   ☐ Cooler temperature not within 4°C ± 2°C
   Record temperature: Cooler 7=2°C/Cooler 5=5°C
   ☐ pH _____
   ☐ other: _____
4. ☐ Sample received in improper container.
5. ☐ Sample received without proper paperwork. Explain:
   _____
6. ☐ Paperwork received without sample.
7. ☐ No sample ID on sample container.
8. ☐ Custody tape disturbed/broken/missing.
9. NA Sample splits performed by lab.
10. NA Volatile sample received with approximately _____ mm headspace.
11. ☐ Sample ID on container does not match sample ID on paperwork. Explain:
    _____
    _____
12. ☐ All coolers on airbill not received with shipment.
13. ☒ Other (explain below):
    Shipping containers not rad surveyed.
    _____
    _____

Notes: Two unlabeled trip blanks (40mL AG) received.

Corrective Action:

☐ Client's Name: _____ Informed verbally on: _____ By: _____

☐ Client's Name: _____ Informed in writing on: _____ By: _____

☐ Sample(s) processed "as is". Comments: _____

☐ Sample(s) on hold until: _____ If released, notify: _____

Sample Control Supervisor Review: (or designate) Jeffrey J. Danielson Date: 10 June 1994

Project Management Review: _____ Date: _____

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