0058422

PNL0051

Battelle
Putting Technology To Work
Pacific Northwest National Laboratory
902 Battelle Boulevard
P.O. Box 999
Richland, Washington 99352

FACSIMILE TRANSMITTAL

DATE: 10-18-02

To: JOAN KESSNER
Company: BHI
City/State: Richland, WA
Facsimile #: 1-425-969-4823
Telephone #:

From: S. BIVINS
PNNL
Facsimile #: 372-1484
Telephone #: 376-3198

Transmittal Consists of [6] Page(s) including cover page.

COMMENTS :

RECEIVED
DEC 30 2002
EDMC

RECEIVED
OCT 2002

EA-1950-231 (4/96)

- b01.056
pnl0051
emailed to dave/dean
(checking on the sample dates)

ID:NI-63 L54500-2 16 OCT 2002 15:32
USER: 4 COMMENT:SN7049514
PRESET TIME : 2.00
DATA CALC : SL DPM H# :YES SAMPLE REPEATS: 1 PRINTER :EDIT
COUNT BLANK : NO ICH : NO REPLICATES : 1 RS232 : OFF
TWO PHASE : NO ADC : NO CYCLE REPEATS : 1 DISK : OFF
SCINTILLATOR: LIQUID LUMEX: NO LOW SAMPLE REJ: 0 RWM LIST : OFF
LOW LEVEL : NO HALF LIFE CORRECTION DATE: none

100 B/C
BECHTEL
Sm 10/16/02
RUN #4058

ISOTOPE 1: NI-63 %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: ~~88~~
WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 67

BACKGROUND QUENCH CURVE: Off COLOR QUENCH CORRECTION: Off

Quench Limits Low:69.120 High:342.31

SAM NO	POS	TIME MIN	H#	NI-63 CPM	NI-63 %ERROR	WIDE CPM	WIDE %ERROR	NI-63 DPM	NI-63 EFF-1	LUMEX %	ELAPSED TIME	
1	24-1	2.00	56.6	3.26	260.28	5.36	323.88	4.29	76.04	8.47	2.47	
BLANK	WARNING: QUENCH VALUE IS OUTSIDE QUENCH LIMIT											
2	24-2	2.00	139.8	46.76	26.97	43.36	34.21	72.59	64.42	45.13	5.08	J006 D3
3	24-3	2.00	99.8	0.00	1.E+06	0.00	1.E+06	0.00	70.43	2.56	7.62	J006 D4
4	24-4	2.00	127.1	5.26	145.74	2.36	497.77	7.92	66.44	12.60	10.27	J006 D5
5	24-5	2.00	103.6	0.00	1.E+06	0.00	1.E+06	0.00	69.91	5.08	12.78	J006 D6
6	24-6	2.00	73.6	0.00	1.E+06	0.00	1.E+06	0.00	71.22	1.72	15.34	J006 D7
7	24-7	2.00	113.2	7.26	123.20	7.36	165.29	10.59	68.53	1.45	17.91	J006 C8
8	24-8	2.00	110.8	0.00	1.E+06	0.00	1.E+06	0.00	68.88	4.57	20.47	J006 C9
9	24-9	2.00	93.6	0.00	1.E+06	0.00	1.E+06	0.00	71.28	1.47	23.04	J006 D0
10	24-10	2.00	94.2	0.00	1.E+06	5.06	205.49	0.00	71.20	3.07	25.61	J006 D1
11	24-11	2.00	95.4	0.00	1.E+06	0.00	1.E+06	0.00	71.04	2.12	28.16	J006 D2
12	24-12	2.00	136.2	0.00	1.E+06	0.00	1.E+06	0.00	65.00	1.99	30.73	J006 D8
13	13-1	2.00	135.4	0.00	1.E+06	0.00	1.E+06	0.00	65.10	0.89	33.37	J006 D9
14	13-2	2.00	106.5	0.00	1.E+06	0.00	1.E+06	0.00	69.49	2.08	35.96	J006 E0
15	13-3	2.00	71.2	0.00	1.E+06	0.34	3215.5	0.00	74.21	1.99	38.54	J006 E1

ID: DAILY SOURCE 16 OCT 2002 15:31

USER: 8 COMMENT: LSU#2 USE UNQ C14 DIVIDEBY10

PRESET TIME :	0.10						
DATA CALC :	CPM	H#	:YES	SAMPLE REPEATS:	1	PRINTER	:EDIT
COUNT BLANK :	NO	IC#	: NO	REPLICATES :	1	RS232	: OFF
TWO PHASE :	NO	AOC	:YES	CYCLE REPEATS :	1	DISK	: OFF
SCINTILLATOR:	LIQUID	LUMEX	: NO	LOW SAMPLE REJ:	0	RWM LIST	: OFF
LOW LEVEL :	NO	HALF LIFE CORRECTION DATE:				none	

ISOTOPE 1: 14C %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

WIDE OPEN WINDOW %ERROR: 0.00 FACTOR: 1.000000 BKG. SUB: 0

ALPHA-BETA DISCRIMINATION: NO

SAM NO	POS	TIME MIN	H#	14C CPM	14C %ERROR	WIDE CPM	WIDE %ERROR	LUMEX %	ELAPSED TIME
1	5-1	0.10	0.5	93890.00	2.06	94390.00	2.06	0.00	0.06

Source ✓

Sm RIN #4058

10/16/02

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B01-055-033	Page 2 of 2
Collector HPT	Company Contact D.Shea Telephone No. 373-6425	Project Coordinator KESSNER, JH	Price Code Air Quality Data Turnaround 48 Hours
Project Designation 100 B/C Area Effluent Pipeline & Proximity Site Remediation	Sampling Location 100 B/C, vehicle routines	SAF No. B01-055	
Ice Chest No. ERC 97079	Field Logbook No. EI-1548-2 COA R.00BC2600	Method of Shipment Gov. vehicle	
Shipped To PNNL Building 326	Offsite Property No. NA	Bill of Lading/Air Bill No. NA	

POSSIBLE SAMPLE HAZARDS/REMARKS

Possibly radiologically contaminated

Special Handling and/or Storage

None

Preservation	None										
Type of Container	G										
No. of Container(s)	1										
Volume	30mL										
SAMPLE ANALYSIS	Low Energy Beta - Strontium - Nickel-63										

Sample No	Matrix *	Sample Date	Sample Time										
J006D3	OTHER SOLID	10/15/02	0830	✓									
J006D4	OTHER SOLID	↓	↓	✓									
J006D5	OTHER SOLID	↓	↓	✓									
J006D6	OTHER SOLID	↓	↓	✓									
J006D7	OTHER SOLID	↓	↓	✓									

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
LHebdon/LHebdon	10-15-02/0830	DWShea DWShea	10/15/02 0830
DWShea DWShea	10/15/02 0948	100BC Sample RMSA	10/15/02 0948
100BC Sample RMSA	10/15/02 1559	DShea DWShea	10/15/02 1559
DWShea DWShea	10/15/02 1637	Fridge 1A	10/15/02 1637
Ref 1A 3728	10-16-02 1100	R.Fillberg	10-16-02 1100
R.Fillberg R.Fillberg	ERC 10-16-02 1125	Frank Bonnafer/Frank Bonnafer	PNNL 10-16-02 1100

SPECIAL INSTRUCTIONS

Lab WO# P23008

sample date/time reflects time of transfer to CH1-AFS

Matrix *

S=Soil
SE=Sediment
SD=Solid
SL=Sludge
W=Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum 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

BHI-EE-011 (03/01/2002)

Oct 18 02 02:51p

P.4

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B01-055-033	Page 1 of 3
Collector: HPT	Company Contact: D.Saea; Telephone No.: 373-6425	Project Coordinator: KESSNER, JH	Price Code: Air Quality ...
Project Designation: 100 B/C Area Effluent Pipeline & Proximity Site Remediatio	Sampling Location: 100 B/C, vehicle routines	SAF No.: B01-055	Data Turnaround: 48 Hours
Ice Chest No.: ERC 97-029	Field Logbook No.: E-1548-2; COA: R100BC2600	Method of Shipment: Gov. vehicle	
Shipped To: PNNL Building 326	Offsite Property No.: NA	Bill of Lading/Air Bill No.: NA	

POSSIBLE SAMPLE HAZARDS/REMARKS

Possibly radiologically contaminated

Special Handling and/or Storage

None

SAMPLE ANALYSIS

Preservation	None												
Type of Container	G												
No. of Container(s)	1												
Volume	30mL												
	Low Energy Beta - Screen (Nickel>63)												
Sample No.	Matrix *	Sample Date	Sample Time										
J006C8	OTHER SOLID	10/15/02	0830	✓									
J006C9	OTHER SOLID			✓									
J006D0	OTHER SOLID			✓									
J006D1	OTHER SOLID			✓									
J006D2	OTHER SOLID			✓									

CHAIN OF POSSESSION — Sign/Print Names

Relinquished By/Removed From	Date/Time	Received By/Stored In	Date/Time
LHebdon / LHebdon	10-15-02 / 0830	DWSchen DWSchen	10/15/02 0830
DWSchen DWSchen	10/15/02 0948	100 BC Sample RMSA	10/15/02 0948
100 BC Sample RMSA	10/15/02 1559	DSchen DWSchen	10/15/02 1559
DWSchen DWSchen	10/15/02 1637	Fridge 1A	10/15/02 1637
Rot 1-17 37E	10-16-02 1100	JC Fehlby RFehlby	10-16-02 1100
RFehlby RFehlby	10-16-02 1075	DPNL Franklin / [illegible]	10-16-02 1100

SPECIAL INSTRUCTIONS

Lab WO# P30008

Sample date & time reflects time of transfer to CH1-AFS

Matrix *

S=Soil
SE=Sediment
SO=Solid
Sl=Sludge
W=Water
O=Oil
A=Air
DS=Drum Solids
DL=Drum 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

BHI-EE-011 (03/01/2002)

Bechtel Hanford Inc.	CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST	B01-055-033	Page 3 of 3
Collector: HPT	Company Contact: D Shea; Telephone No.: 373-6425	Project Coordinator: KESSNER, JH	Price Code: Air Quality; Data Turnaround: 48 Hours
Project Designation: 100 B/C Area Effluent Pipeline & Proximity Site Remediation	Sampling Location: 100 B/C, vehicle routines	SAF No.: B01-055	
Ice Chest No.: ERC 97-079	Field Logbook No.: EI-1548-2; COA: R100BC2600	Method of Shipment: Gov. vehicle	
Shipped To: PNNL Building 326	Offsite Property No.: NA	Bill of Lading/Air Bill No.: NA	

POSSIBLE SAMPLE HAZARDS/REMARKS

Possibly radiologically contaminated

Special Handling and/or Storage

None

SAMPLE ANALYSIS												
			Preservation	None								
			Type of Container	G								
			No. of Container(s)	1								
			Volume	30mL								
				Low Energy Beta - Screen (Nickel-63)								
Sample No.	Matrix *	Sample Date	Sample Time									
J00ED8	OTHER SOLID	8/15/02	0830	✓								
J00ED9	OTHER SOLID			✓								
J006F0	OTHER SOLID			✓								
J006F1	OTHER SOLID			✓								

CHAIN OF POSSESSION	Sign/Print Names	SPECIAL INSTRUCTIONS	Matrix *
Relinquished By/Removed From: LHebdon/LHebdon, Date/Time: 10-15-02/0930	Received By/Stored In: DWSHEA DWSHEA, Date/Time: 10/15/02 0830	Lab WO# P30008 Sample date/time reflects time of transfer to CHH-AFS.	SE=Sediment SO=Solid SL=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/Removed From: DWSHEA DWSHEA, Date/Time: 10/15/02 0948	Received By/Stored In: 100BC Sample RMSA, Date/Time: 10/15/02 0948		
Relinquished By/Removed From: 100BC Sample RMSA, Date/Time: 10/15/02 1559	Received By/Stored In: DWSHEA DWSHEA, Date/Time: 10/15/02 1559		
Relinquished By/Removed From: DWSHEA DWSHEA, Date/Time: 10/15/02 1637	Received By/Stored In: Fridge 1A, Date/Time: 10/15/02 1637		
Relinquished By/Removed From: Fridge 1A 3728, Date/Time: 10-16-02 1100	Received By/Stored In: R. Fillberg R. Fillberg, Date/Time: 10-16-02 1100		
Relinquished By/Removed From: ERC R. Fillberg R. Fillberg, Date/Time: 10-16-02 1125	Received By/Stored In: PNNL Frank Gonzalez/Frank Gonzalez, Date/Time: 10-16-02 1100		

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

BHI-EE-011 (03/01/2002)