

DETAILED RESULTS:

40-010 K64 PU239 (NEW) -771122

239PU (PLUTONIUM)

700957

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NAME: \*CASE NO.: 40-010 \*SAMPLE NO.: K64

EVENT: DEATH/E \*DATE OF EVENT: 470429 \*LAB NO.: 1861

TYPE :BO SAMPLE DESCRIPTION: TIBRTMS1

ITEM	UNIT	-----ANALYSIS NUMBER-----	
		1	2
1. SAMPLE SUB-NUMBER		K64A	K64B
2. METHOD		AID	AID
3. DATE REQUESTED		750801	750801
4. DATE ANALYZED		750912	770707
5. SAMPLE SIZE	GMA	0.308	0.203
5. ALIQUOT (FRACTION)		1.000	1.000
7. SAMPLE SIZE MEASURED	GMA	0.308	0.203
8. 242 PU SPIKE	DPM	69.100	50.530
9. STD. ERROR OF ITEM 8	DPM	1.200	0.170
10. 242 PU SAMPLE COUNTS	CTS	9304	14326
11. 239 PU SAMPLE COUNTS	CTS	1390	1805
12. 239 PU IN SAMPLE	PCI	4.651	2.868
13. STD. ERROR(COUNTS+SYS)	PCI	0.156	0.072
14. CONCENTRATION 239PU	PCI/GMA	15.095	14.143
15. STD. ERROR(CNT+SYS)	PCI/GMA	0.507	0.356
5. REFERENCES-CHR DOCS.		RC51FI	RC97RO

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\* RESULTS: AT TIME OF FIRST MEASUREMENT \*  
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1. PU CONCENTRATION OR RATE(WTD. MEAN)	14.457	PCI/GMA
2. STD. ERROR (EXTERNAL)	0.448	PCI/GMA
3. STD. ERROR (INTERNAL)	0.292	PCI/GMA
4. VARIANCE RATIO, F	2.360	
5. FRACTIONAL STD. ERROR	0.0310	

6. PU (MEAN) IN ALIQ #1 : 4.454\_+ 0.138 PCI

RECEIVED CHR

NOV 29 1977

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\* RESULTS: AT TIME OF EVENT \*  
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RECORDS ROOM

PU CONCENTRATION OR RATE: 14.469 + 0.448 PCI/GMA

ANALYZED BY: FI CHECKED: RO

REVIEWED BY/DATE: RPL 11-28-77

COMMENTS AND REFERENCES:

NO (BY/DATE): CHR FILE: \_\_\_\_\_ SR FORM: \_\_\_\_\_ SA CARD: \_\_\_\_\_ CHEM FILE: \_\_\_\_\_

CHR FORM 10/14/77(HFL)

0003493

REPOSITORY DOE-Chicago Ops - Center  
FOR HUMAN RADIOBIOLOGY  
COLLECTION CHR/Plutonium DOCS

BOX No. 1 OF 2

FOLDER 4000 Medical Files Redacted

DETAILED RESULTS:

40-010 K65 PU239 (NEW) 771122

239PU (PLUTONIUM)

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NAME:

\*CASE NO.: 40-010 \*SAMPLE NO.: K65

EVENT: DEATH/E

\*DATE OF EVENT: 470429

\*LAB NO.: 1862

TYPE :BO

SAMPLE DESCRIPTION: TIBRTMS2

ITEM	UNIT	-----ANALYSIS NUMBER-----			
		1	2	3	4
1. SAMPLE SUB-NUMBER		K65A	K65B	K65C	K65
2. METHOD		AID	AID	AID	AID
3. DATE REQUESTED		750801	750801	750801	7508
4. DATE ANALYZED		750915	760810	770711	7707
5. SAMPLE SIZE	GMA	0.297	0.303	0.203	0.2
6. ALIQUOT (FRACTION)		1.000	1.000	1.000	1.0
7. SAMPLE SIZE MEASURED	GMA	0.298	0.303	0.203	0.2
8. 242 PU SPIKE	DPM	69.100	57.580	50.530	50.5
9. STD. ERROR OF ITEM 8	DPM	1.200	0.490	0.170	0.1
10. 242 PU SAMPLE COUNTS	CTS	10442	9075	20964	1837
11. 239 PU SAMPLE COUNTS	CTS	1220	1403	2247	196
12. 239 PU IN SAMPLE	PCI	3.637	4.010	2.440	2.4
13. STD. ERROR (COUNTS+SYS)	PCI	0.127	0.120	0.055	0.05
14. CONCENTRATION 239PU	PCI/GMA	12.225	13.218	12.031	12.01
15. STD. ERROR (CNT+SYS)	PCI/GMA	0.426	0.396	0.270	0.28
5. REFERENCES-CHR DOCS.		RC51FI	RC99RO	RC97RJ	RC99R

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\* RESULTS: AT TIME OF FIRST MEASUREMENT \*  
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1. PU CONCENTRATION OR RATE (WTD. MEAN)	12.254	PCI/GMA
2. STD. ERROR (EXTERNAL)	0.255	PCI/GMA
3. STD. ERROR (INTERNAL)	0.163	PCI/GMA
4. VARIANCE RATIO, F	2.446	
5. FRACTIONAL STD. ERROR	0.0208	

6. PU (MEAN) IN ALIQ #1 : 3.646\_+ 0.076 PCI

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NOV 29 1977

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\* RESULTS: AT TIME OF EVENT \*  
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RECORDS ROOM

PU CONCENTRATION OR RATE: 12.264 ± 0.255 PCI/GMA

ANALYZED BY: FI CHECKED: RO

REVIEWED BY/DATE: RPL 11-28-77

COMMENTS AND REFERENCES:

TO (BY/DATE): CHR FILE: \_\_\_\_\_ SR FORM: \_\_\_\_\_ SA CARD: \_\_\_\_\_ CHEM FILE: \_\_\_\_\_

DETAILED RESULTS:

40-010 36 PU239 (NEW) 780608

239PU (PLUTONIUM)

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NAME: \*CASE NO.: 40-010 \*SAMPLE NO.: K66

EVENT: DEATH/E \*DATE OF EVENT: 470429 \*LAB NO.: 1863

TYPE :BO SAMPLE DESCRIPTION: TIBRTDMT1

ITEM	UNIT	-----ANALYSIS NUMBER-----	
		1	2
1. SAMPLE SUB-NUMBER		K66A	K66B
2. METHOD		CRI	CRI
3. DATE REQUESTED		750801	750801
4. DATE ANALYZED		750901	770711
5. SAMPLE SIZE	GMA	0.244	0.202
6. ALIQUOT (FRACTION)		1.000	1.000
7. SAMPLE SIZE MEASURED	GMA	0.244	0.202
8. 242 PU SPIKE	DPM	69.100	50.530
9. STD. ERROR OF ITEM 8	DPM	1.200	0.170
10. 242 PU SAMPLE COUNTS	CTS	20325	10583
11. 239 PU SAMPLE COUNTS	CTS	1924	1092
12. 239 PU IN SAMPLE	PCI	2.947	2.349
13. STD. ERROR(COUNTS+SYS)	PCI	8.694E-02	7.507E-02
14. CONCENTRATION 239PU	PCI/GMA	12.077	11.628
15. STD. ERROR(CNT+SYS)	PCI/GMA	0.356	0.372
16. REFERENCES-CHR DOCS.		RC51FI	RC97RO

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\* RESULTS: AT TIME OF FIRST MEASUREMENT \*  
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- 1. PU CONCENTRATION OR RATE (WTD. MEAN) 11.862 PCI/GMA
- 2. STD. ERROR (EXTERNAL) 0.224 PCI/GMA
- 3. STD. ERROR (INTERNAL) 0.257 PCI/GMA
- 4. VARIANCE RATIO, F 0.760
- 5. FRACTIONAL STD. ERROR 0.0217

6. PU (MEAN) IN ALIQ #1 : 2.894\_+ 0.063 PCI

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\* RESULTS: AT TIME OF EVENT \*  
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PU CONCENTRATION OR RATE: 11.871 ± 0.257 PCI/GMA

ANALYZED BY: FI CHECKED: RDO 6/9/78 REVIEWED BY/DATE: RPL 6/9/78

COMMENTS AND REFERENCES:

TO (BY/DATE): CHR FILE: \_\_\_\_\_ SR FORM: \_\_\_\_\_ SA CARD: \_\_\_\_\_ CHEM FILE: \_\_\_\_\_

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CHR FORM 10/14/77 (HFL)

JUL 3 '78

0003495

CHR RECORDS

DETAILED RESULTS:

40-010 K67 PU239 (NEW) 771122

239PU (PLUTONIUM)

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NAME: \*CASE NO.: 40-010 \*SAMPLE NO.: K67

EVENT: DEATH/E \*DATE OF EVENT: 470429 \*LAB NO.: 1864

TYPE :BO SAMPLE DESCRIPTION: TIBRTDMT2

ITEM	UNIT	ANALYSIS NUMBER		
		1	2	3
1. SAMPLE SUB-NUMBER		K67A	K67B	K67C
2. METHOD		AID	AID	AID
3. DATE REQUESTED		750801	750801	750801
4. DATE ANALYZED		750916	750918	770712
5. SAMPLE SIZE	GMA	0.110	0.105	0.204
6. ALIQUOT (FRACTION)		1.000	1.000	1.000
7. SAMPLE SIZE MEASURED	GMA	0.110	0.105	0.204
8. 242 PU SPIKE	DPM	69.100	69.100	50.530
9. STD. ERROR OF ITEM 8	DPM	1.200	1.200	0.170
10. 242 PU SAMPLE COUNTS	CTS	32359	17295	16701
11. 239 PU SAMPLE COUNTS	CTS	2031	967	2455
12. 239 PU IN SAMPLE	PCI	1.954	1.741	3.346
13. STD. ERROR(COUNTS+SYS)	PCI	5.611E-02	6.497E-02	7.320E-02
14. CONCENTRATION 239PU	PCI/GMA	17.794	16.529	16.419
15. STD. ERROR(CNT+SYS)	PCI/GMA	0.511	0.617	0.359
16. REFERENCES-CHR DOCS.		RC51FI	RC51FI	RC97RO

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\* RESULTS: AT TIME OF FIRST MEASUREMENT \*  
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1. PU CONCENTRATION OR RATE(WTD. MEAN)	16.810	PCI/GMA
2. STD.ERROR(EXTERNAL)	0.424	PCI/GMA
3. STD. ERROR(INTERNAL)	0.265	PCI/GMA
4. VARIANCE RATIO,P	2.551	
5. FRACTIONAL STD. ERROR	0.0252	

6. PU (MEAN) IN ALIQ #1 : 1.846\_+ 0.047 PCI

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NOV 29 1977

RECORDS ROOM

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\* RESULTS: AT TIME OF EVENT \*  
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PU CONCENTRATION OR RATE: 16.824 ± 0.424 PCI/GMA

ANALYZED BY: FI CHECKED: RD REVIEWED BY/DATE: RPL 11-28-77

COMMENTS AND REFERENCES:

TO (BY/DATE): CHR FILE: \_\_\_\_\_ SR FORM: \_\_\_\_\_ SA CARD: \_\_\_\_\_ CHEM FILE: \_\_\_\_\_

CHR FORM 10/14/77(HFL)

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