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Mr. Raymond James Fox
337 Wokingham Road
Early Reading, Berkshire
RG6 7EB, England

CONFIDENTIAL

Your Reference:

Your Message from:

Our Reference / Responsible:
JK/jk

Extension:

928544

Bad Homburg, Date

05. 02. 1998

RE.: Mr. Raymond James Fox, contaminated land, severe chronic contamination and physical toxic poisoning; chemical testing of blood, urine, fatty tissue and bile (between 23rd of October 1997 and 9th of January 1998)

DOB: 31/07/1950

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Aluminium, Al	< 5 µg/l	< 5 µg/l (Serum) 23/10/97
Arsenic, As	< 5.0 µg/l	< 5.0 µg/l (Serum) 22/12/97
Arsenic, As	< 5.0 µg/l	< 2.0 µg/l (Blood) 09/01/98
Arsenic, As	< 25.0 µg/l	10 µg/l (Urine) 09/01/98
Cadmium, Cd	< 1.7 µg/l	< 1.0 µg/l (Blood) 23/10/97
Cobalt, Co	< 0.4 µg/l	< 2.0 µg/l (Serum) 23/10/97
Cobalt, Co	< 1.0 µg/l	4.0 µg/l (Urine) 05/11/97
Cytomegaly Virus IgG	< 20 IU/ml	59.3 IU/ml (Serum) 05/11/97
Dioxin, Polychlorinated Dibenzodioxin (PCDD), 2,3,7,8-Tetra-CDD; SEVESO Poison #D48		2.6 µg/kg (Fatty Tissue) 05/11/97

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Dioxin, Polychlorinated Dibenzodioxin (PCDD), 1,2,3,7,8-Penta-CDD		8.3 µg/kg (Fatty Tissue) 05/11/97
Dioxin, Polychlorinated Dibenzodioxin, 1,2,3,4,7,8-Hexa-CDD; SEVESO Poison #D66	5.7 µg/kg	7.2 µg/kg (Fatty Tissue) 05/11/97
Dioxin, Polychlorinated Dibenzofuran (PCDF), 1,2,3,6,7,8-Hexa-CDF; SEVESO Poison #F121	11.5 µg/kg	5.0 µg/kg (Fatty Tissue) 05/11/97
Epstein Barr Virus VCA IgG	< 20 IU/ml	59.0 IU/ml (Serum) 05/11/97
Escherichia coli		moderate much (Bile) 12/11/97
Formaldehyde	< 5.0 mg/l	2.0 mg/l (Blood) 23/10/97
Hemoglobin F	0.25 - 0.75 of Hb	1.20 of Hb (Blood) 16/01/98
Hexachlorbenzol, HCB		41.6 µg/kg (Fatty Tissue) 05/11/97
Hexane	< 100 µg/l	< 10 µg/l (Blood) 29/10/97
IGE	< 100 U/l	134 U/l (Serum) 23/10/97
IGE	< 100 U/l	121 U/l (Serum) 09/01/98
LDH	< 240 U/l	167 U/l (Serum) 23/10/97

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SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
LDH	< 240 U/l	685 U/l (Serum) 09/01/98
LDH Isoenzyme 5 (Liver)	2.6 - 10.0 %	13.0 % (Serum) 16/01/98
LDH	< 240 U/l	157 U/l (Serum) 16/01/98
Lead, Pb	< 150 µg/l	26.8 µg/l (Serum) 23/10/97
Lead, Pb	< 27 µg/l	0.7 µg/l (Serum) 05/11/97
Lindane, (α-HCH)	< 5.0 µg/kg	7.6 µg/kg (Fatty Tissue) 05/11/97
Lindane, (α-HCH)	< 0.01 µg/l	< 0.03 µg/l (Bile) 12/11/97
Lindane, (β-HCH)		0.22 µg/l (Blood) 28/10/97
Lindane, (β-HCH)		0.27 µg/l (Blood) 03/11/97
Lindane, (β-HCH)		96.0 µg/kg (Fatty Tissue) 05/11/97
Lindane, (β-HCH)		0.12 µg/l (Bile) 12/11/97
Lindane, (β-HCH)	< 0.30 µg/l	0.37 µg/l (Blood) 09/01/98
Lindane, (γ-HCH or BHC)	< 5.0 µg/kg	8.5 µg/kg (Fatty Tissue) 05/11/97
Lindane, (γ-HCH or BHC)	< 0.10 µg/l	0.10 µg/l (Blood) 23/10/97
Lindane, (γ-HCH or BHC)	< 0.10 µg/l	0.10 µg/l (Skin/BW) 23/10/97

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SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Mercury, Hg	< 2.0 µg/l	2.7 µg/l (Blood) 23/10/97
Mercury, Hg	< 2.5 µg/l	2.1 µg/l (Urine) 28/10/97
Mercury, Hg	< 2.5 µg/l	1.2 µg/l (Urine) 05/11/97
Methemoglobin	< 0.3 % Hb	0.3 % Hb (Blood) 09/01/98
Monocytes	2 - 9 %	24 % (WBC) 09/01/98
Nickel, Ni	< 2.8 µg/l	1.3 µg/l (Serum) 23/10/97
p, p-DDE		1.12 µg/l (Blood) 28/10/97
p,p-DDE		1.56 µg/l (Blood) 03/11/97
p, p-DDE		335.0 µg/kg (Fatty Tissue) 05/11/97
p, p-DDE		0.36 µg/l (Bile) 12/11/97
p, p-DDT		16.6 µg/kg (Fatty Tissue) 05/11/97
PCB No. 138, Polychlorinated biphenyl		83.5 µg/kg (Fatty Tissue) 05/11/97
PCB No. 153, Polychlorinated biphenyl		134.8 µg/kg (Fatty Tissue) 05/11/97
Pentachlorophenol	< 5.0 µg/l	< 1.0 µg/l (Urine) 23/10/97

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SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Pentachlorophenol	< 5.0 µg/l	< 1.4 µg/l (Blood) 03/11/97
Plutonium, Pu	< 0.1 µg/l	< 0.1 µg/l (Blood) 22/12/97
Rotar Viruses CBR	< 1 : 10	1 : 20 (Serum) 05/11/97
Thallium, TI	< 0.3 µg/l	0.20 µg/l (Serum) 22/12/97
Thallium, TI	< 0.6 µg/l	0.20 µg/l (Blood) 09/01/98
Thallium, TI	< 0.7 µg/l	0.60 µg/l (Urine) 09/01/98
Thallium, TI		1.10 µg/l (Skin/BW) 09/01/98
Toluol	< 5.0 µg/l	< 20 µg/l (Blood) 23/10/97
Uranium, U	< 0.2 µg/l	0.4 µg/l (Blood) 22/01/98
Uranium, U	< 0.2 µg/l	< 0.1 µg/l (Blood) 22/12/97
Uranium, U	< 0.2 µg/l	< 0.2 µg/l (Urine) 23/10/97
Uranium, U	< 0.2 µg/l	0.2 µg/l (Urine) 31/10/97
Uranium, U	< 0.2 µg/l	< 0.2 µg/l (Urine) 09/01/98
Xylol	< 3.0 µg/l	< 20 µg/l (Plasma) 23/10/97

APPENDIX - 1

CONFIDENTIAL

RE.: Mr. Raymond James Fox, contaminated land, severe chronic contamination and physical toxic poisoning; chemical testing of blood, urine, fatty tissue and bile (between 23rd of October 1997 and 9th of January 1998)

DOB: 31/07/1950

Values of chemical testing which are significantly above normal / limit values

A) Poisonous Metals

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Cobalt, Co ↑	< 1.0 µg/l	4.0 µg/l (Urine) 05/11/97
Mercury, Hg ↑	< 2.0 µg/l	2.7 µg/l (Blood) 23/10/97

B) Poisonous Radioactive Substances

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Plutonium, Pu ↑	< 0.1 µg/l	0.1 µg/l (Blood) 22/12/97
Uranium, U ↑	< 0.2 µg/l	0.2 µg/l (Urine) 31/10/97
Uranium, U ↑	< 0.2 µg/l	0.4 µg/l (Blood) 22/01/98

APPENDIX - 2

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DOB: 31/07/1950

Values of chemical testing which are significantly above normal / limit values

C) Poisonous Pesticides (LINDANE)

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Lindane, (α -HCH) $\uparrow$	< 5.0 $\mu\text{g/kg}$	7.6 $\mu\text{g/kg}$ (Fatty Tissue) 05/11/97
Lindane, (α -HCH) $\uparrow$	< 0.01 $\mu\text{g/l}$	< 0.03 $\mu\text{g/l}$ (Bile) 12/11/97
Lindane, (β -HCH) $\uparrow$	< 0.30 $\mu\text{g/l}$	0.37 $\mu\text{g/l}$ (Blood) 09/01/98
Lindane, (γ -HCH or BHC) $\uparrow$	< 5.0 $\mu\text{g/kg}$	8.5 $\mu\text{g/kg}$ (Fatty Tissue) 05/11/97
Lindane, (γ -HCH or BHC) $\uparrow$	< 0.10 $\mu\text{g/l}$	0.10 $\mu\text{g/l}$ (Blood) 23/10/97
Lindane, (γ -HCH or BHC) $\uparrow$	< 0.10 $\mu\text{g/l}$	0.10 $\mu\text{g/l}$ (Skin/BW) 23/10/97

APPENDIX - 3

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DOB: 31/07/1950

Values of chemical testing which are significantly above normal / limit values

D) Dioxins

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Dioxin, Polychlorinated Dibenzodioxin, 1,2,3,4,7,8-Hexa-CDD; SEVESO Poison #D66 ↑	5.7 µg/kg	7.2 µg/kg (Fatty Tissue) 05/11/97

E) Viruses

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Cytomegaly Virus IgG ↑	< 20 IU/ml	59.3 IU/ml (Serum) 05/11/97
Epstein Barr Virus IgG ↑	< 20 IU/ml	59.0 IU/ml (Serum) 05/11/97
Rotar Viruses CBR ↑	< 1 : 10	1 : 20 (Serum) 05/11/97

APPENDIX - 4

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DOB: 31/07/1950

Values of chemical testing which are significantly above normal / limit values

F) Other Blood Values

SUBSTANCE	LIMIT VALUE	VALUE (MATERIAL) DATE
Hemoglobin F ↑	0.25 - 0.75 of Hb	1.20 of Hb (Blood) 16/01/98
IGE ↑	< 100 U/l	134 U/l (Serum) 23/10/97
LDH ↑	< 240 U/l	685 U/l (Serum) 09/01/98
LDH Isoenzyme 5 (Liver) ↑	2.6 - 10.0 %	13.0 % (Serum) 16/01/98
Monocytes ↑	2 - 9 %	24 % (WBC) 09/01/98

**Fox, Raymond**

geb. 31.07.1950, m

Barcode 00107330

Labornummer 708240358

Eingang am 24.08.2007

Ausgang am 03.09.2007

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Institut
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GB--RH19 3TB East Grinstead

Laborärztlicher Befundbericht

Endbefund, Seite 1 von 3

Untersuchungsmaterial: EDTA-Blut, Serum, Natriumfluorid, Lithium-Heparin-Blut, Abstrich

	Ergebnis	Einheit	Vorwert	Referenzbereich
Klinische Chemie:				
Kleines Blutbild:				
Leukozyten	10,4	Zellen/nl		4,8 - 10,8
▼ Erythrozyten	4,24	/pl		4,50 - 5,90
Hämoglobin	14,3	g/dl		14,0 - 17,0
▼ Hämatokrit	40,9	V %		41,0 - 51,0
MCV	97	fl		80 - 99
MCH	33,8	pg		28,0 - 37,0
MCHC	35,0	g/dl Ery.		32,0 - 36,0
Thrombozyten	299	/nl		150 - 440
Differentialblutbild:				
Neutrophile	58,9	%		40,0 - 74,0
Lymphozyten	30,3	%		19,0 - 48,0
Monozyten	7,9	%		3,4 - 9,0
Eosinophile	2,9	%		1,0 - 7,0
Basophile	0,0	%		0,0 - 2,0
Klinische Chemie:				
Natrium	144	mmol/l		136 - 145
Calcium	2,30	mmol/l		2,14 - 2,49
Harnsäure	4,6	mg/dl		3,7 - 7,2
Cystatin C	0,87	mg/l		0,63 - 1,44
▼ Bilirubin gesamt	0,3	mg/dl		0,3 - 1,2
Normbereich für Erwachsene				
GOT	22	U/l		< 36
GPT	19	U/l		< 50
gamma-GT	22	U/l		< 55
Lipase	30	U/l		5,6 - 51,3
alkalische Phosphatase	94	U/l		25 - 124
▲ Triglyceride	368	mg/dl		< 150

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Laborärztlicher Befundbericht

Endbefund, Seite 2 von 3

	Ergebnis	Einheit	Vorwert	Referenzbereich
Cholesterin	199	mg/dl		< 200
			Zielwert:	< 200 mg/dl
			Grenzwertig erhöht:	200 - 239 mg/dl
HDL-Cholesterin	41	mg/dl		40 - 60
LDL-Cholesterin	118	mg/dl		< 160
LDL/HDL-atherogener Index	2,9	Index		< 4,0
Eisen	65	µg/dl		60 - 175
Glucose stabilisiert		mg/dl		70 - 115

Für die gewünschte Untersuchung benötigen wir ein Natriumfluorid-Röhrchen. Wir bitten um Neueinsendung. Vielen Dank.

LDH		U/l		< 225
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Aufgrund der Instabilität des Parameters benötigen wir hämolysefreies Serum. Wir bitten um Neueinsendung und danken für Ihr Verständnis.

TSH, Basalwert	1,16	µIU/ml		0,40 - 4,00
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Internationale Fachgremien empfehlen, den oberen Normwert für TSH zu senken. TSH-Spiegel ab 2,5 µIU/ml weisen demnach auf eine latente Hypothyreose hin. Klinische Symptome möglich. Weiterführende Diagnostik ratsam (Schilddrüsen-Antikörper, Jod-Selen-Versorgung).

Der Zielbereich einer Hypothyreosetherapie sollte zwischen 0,5 und 2,0 µIU/ml liegen.

Serum-Elektrophorese:

Gesamteiweiß	6,9	g/dl		6,4 - 8,3
Albumin	64,5	%		58,0 - 70,0
Alpha-1-Globulin	2,7	%		1,5 - 4,0
Alpha-2-Globulin	9,1	%		5,0 - 10,0
Beta-Globulin	11,0	%		8,0 - 13,0
Gamma-Globulin	12,7	%		10,0 - 19,0

Tumormarker:

CEA	1,9	ng/ml		< 2,5
CA 19-9	7,6	U/ml		< 30,9
PSA	0,24	ng/ml		< 2,45
p53-Autoantikörper	< 0,02	U/µl		< 0,20

Mikronährstoffe/Vitamine:**toxische Metalle:**

Arsen im Vollblut	< 1,0	µg/l		< 2,3
Blei	23,0	µg/l BAT		< 100

BAT-Wert (Frauen) bei beruflicher Bleiexposition: < 300 µg/l
BAT-Wert (Männer) bei beruflicher Bleiexposition: < 700 µg/l

Quecksilber im EDTA-Vollblut	< 1,0	µg/l		< 5,0
Cadmium im Heparinblut	0,4	µg/l		< 1,0
Kalium im Vollblut	1728	mg/l		1750 - 1850
Calcium im Vollblut	53,3	mg/l		59,0 - 61,0
Magnesium im Vollblut	37,7	mg/l		34,0 - 36,0
Kupfer im Vollblut	1,10	mg/l		1,1 - 1,2
Eisen im Vollblut	452	mg/l		440 - 480

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Laborärztlicher Befundbericht

Endbefund, Seite 3 von 3

	Ergebnis	Einheit	Vorwert	Referenzbereich
Schwefel im Blut	1630	mg/l		1220
In der Literatur werden leider nur Mittelwerte als Referenz angegeben!				
Strontium im EDTA-Vollblut	11,1	µg/l BAT		< 19,8
Uran im Serum	0,44	µg/l		< 0,05
Der Wert wurde kontrolliert.				
Zink im Vollblut	6,94	mg/l		7,3 - 7,7
Selen im Vollblut	80	µg/l		
		suboptimal:		89 - 120
		optimal:		121 - 168
		erhöht, aber klinisch unbedenklich:		169 - 230
		Kontrolle erforderlich:		> 230
Vitamin B6 im Vollblut	15,4	µg/l		11,3 - 30,0
Endokrinologie				
DHEA-S	121,0	µg/dl		70 - 310
		Optimalbereich: Mann: 250 - 400 µg/dl Frau: 200 - 300 µg/dl		
Cortisol	4,45	µg/dl		4,3 - 22,4
Allergiediagnostik				
PräScreen Allergie:				
Gesamt-IgE	426,0	IU/ml		< 100
Bäume-Pollen IgE	Klasse 0	< 0,10	kU/l	< 0,10
(Birke, Eiche, Erle, Hasel, Salweide)				
Gräser/Inhalation-Pool IgE	Klasse 0	< 0,10	kU/l	< 0,10
(Beifuß, Birke, Lieschgras, Roggen, Katzenepithel, Hundeschuppen, Clad. herbarum, D. pteronyssinus)				
Nahrungsmittel IgG4	Klasse 3	16,00	kU/l	< 0,35
(Ei, Haselnuss, Kasein, Kiwi, Senf, Weizen)				

Mit freundlichen Grüßen

Labormedizinisch validiert durch Dr.med.Neumann