

2 論文・学会等への発表

(1) 論文等発表一覧

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Simple and Sensitive Determination of 2,4-Xylenol in Surface Water Samples from River and Sea by Gas chromatography - Mass Spectrometry	Hiroko Tsukatani, Kazuhiro Tobiishi, Totaro Imasaka* * Kyushu University	Bull. Environ. Contam. Toxicol. 82, 153-157 2009.	P119
	*1 *2 *3 *3 *3 *1 *2 *3	36 749 756 2008.	P119
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Relationship between Multidrug-resistant <i>Salmonella</i> Schwarzengrund and both Broiler Chickens and Retail Chicken Meats in Japan	Tetsuo Asai* Koichi Murakami Manao Ozawa* Ryoji Koike* Hitoshi Ishikawa* * National Veterinary Assay Laboratory, Ministry of Agriculture, Forestry and Fisheries	Japanese Journal of Infectious Disease 62 198-120 2009.	P 120
- <i>Shigella sonnei</i>		29 343-345 2008.	P120
	*1 *2 *1 *2	35(4) 305-358 2008.	P121
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Nosocomial outbreak of epidemic keratoconjunctivitis accompanying environmental contamination with adenoviruses	N. Hamada, K. Gotoh, K.Hara, J. Iwahashi, Y. Imamura, S. Nakamura, C. Taguchi, M. Sugita, R. Yamakawa, Y. Etoh, N. Sera, T. Ishibashi, K. Chijiwa, H. Watanabe* * Kurume University	Journal of Hospital Infection 68 262-268 2008.	P121
		35 65-70 2008.	P121
		35 71-76 2008.	P122
PCBs		35 77-82 2008.	P122
Time trend of dioxin like PCBs, PCDFs, PCDDs concentrations in blood of Yusho patients	Jumboku Kajiwara, Takashi Todaka* ¹ , Hironori Hirakawa, Tsuguhide Hori, Suguru Inoue* ² , Kazuhiro Tobiishi, Daisuke Onozuka, Yoshiko Takao, Reiko Nakagawa, Takao Iida* ³ , Takesumi Yoshimura, Masutaka Furue* ¹ *1 Kyushu University *2 Japan Food Hygiene Association *3 Kitakyushu Life Science Center	Presistent Organic Pollutants (POPS) Reserch in Asia, 400-403 2008.	P122
Trasition of PCB and PCDF concentration in Yusho patients for 38 years	Yoshito Masuda* ¹ Takesumi Yoshimura Jumboku Kajiwara John Jake Ryan* ² *1 Daiichi University, College of Pharmaceutical Sciences *2 Health and Welfare Canada	Presistent Organic Pollutants (POPS) Reserch in Asia, 431-436 2008.	P122

IT 5	5 *1 *2 *3	*1 *2 *3 37 469-472 2008.	P123
VOC)		64 688-693 2009.	P123
Cosmogenic ⁷ Be : Atmospheric Concentration and Deposition in Japan	Yukinori Narazaki Kazunobu Fujitaka * * National Institute of Radiological Sciences;	Jpn. J. Health Phys. 44 (1) 95 -105 2009.	P123
⁷ Be	*1 *2 *1 *2	Proceedings of the Workshop on Environmental Radioactivity 2008 45-50 2008.	P123
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12		212-223 2008.	P124
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(2) 発表論文抄録

1 マイクロ波を用いる土壌及び底質中ダイオキシン類の迅速抽出法

* * Vol.57
No.11 883-890 2008

0.8 ml 1 g 0.3 0.5 ml 100%
1 g 1 ml
4
30

*

2 マイクロ波を用いる土壌及び底質中ダイオキシン類の迅速抽出法 (2)

* * Vol.58
No.1 21-26 2009

9
PCDD/DFs

30

*

3 Simple and Sensitive Determination of 2,4-Xylenol in Surface Water Samples from River and Sea by Gas Chromatography-Mass Spectrometry

Hiroko Tsukatani Kazuhiro Tobiishi Totaro Imasaka* Bull. Environ. Contam. Toxicol. 82, 153-157 2009.

2,4-
GC/MS

1L Oasis HLB Plus
1.4ng/L 50ng/L
99.9 103 98.3
2,4-
5 GC/MS
3

2,4-

* Kyushu University

4 浴場施設でのレジオネラ属菌と宿主アメーバの関連、およびレジオネラ属菌を塩素消毒により制御する場合の問題点

*1 *2
*3 *3 *3
36 749 756 2008.

14 16
PCDD/DFs 37 100 13
35.1% 27 27.0%
21 56.8% 29 29.0

0.7 mg / l
0.5 mg / l

*1
*2
*3

5 掛け流し式温泉におけるレジオネラ属菌汚染とリスク因子

	*1	*2	*3	*4
	*5	*6	*7	
*8	*9		*10	*11
	*12	*13	*13	*12
	*14	*15	*16	
83	36-44	2009.		
	2005	6	2006	12
				182
29.5	119_ / 403			
		23.8	22.3	39.4
			8.3	
CFU_ / 100mL				66
	180	670	4,000CFU_100mL	
	6,800	CFU_ / 100mL		
84.7	<i>Legionella pneumophila</i>			
	SG	SG 1	5 6	22% 21%
22				
*1				
*2				
*3				
*4				
*5				
*6				
*7				
*8				
*9				
*10				
*11				
*12				
*13				
*14				
*15				

6 Relationship between Multidrug-resistant *Salmonella* Schwarzengrund and both Broiler Chickens and Retail Chicken Meats in Japan

Tetsuo Asai* Koichi Murakami Manao Ozawa* Ryoji Koike Hitoshi Ishikawa*: Japanese Journal of Infectious Disease 62. 198-120 2009.

	<i>Salmonella</i> Schwarzengrund	
	19	10
29	sulfadimethoxine	bicozamycin
		19
2		29
17	dihydrostreptomycin	kanamycin
66	oxytetracycline	
	<i>Salmonella</i> Schwarzengrund	

* National Veterinary Assay Laboratory, Ministry of Agriculture, Forestry and Fisheries

7 ヒト便から増菌培養で分離されたβ-グルクロニダーゼ活性を示さない *Shigella sonnei* について

2008. 29 343-345

20 8

-
Shigella sonnei

20 7
S. sonnei

8 ボツリヌス菌 毒素と食中毒

*1 *2

35(4) 353-358 2008.

A G

A B F

B E F

F E

Clostridium baratii *C. butyricum*

*1

*2

10 Nosocomial outbreak of epidemic keratoconjunctivitis accompanying environmental contamination with adenoviruses

N. Hamada*, K. Gotoh*, K.Hara*, J. Iwahashi*, Y. Imamura*, S. Nakamura*, C. Taguchi*, M. Sugita*, R. Yamakawa*, Y. Etoh, N. Sera, T. Ishibashi, K. Chijiwa, H. Watanabe*, Journal of Hospital Infection, 68, 262-268, 2008.

PCR

37

* Kurume University

9 福岡県で分離された稀な血清型の志賀毒素産生性大腸菌について

5-64 2008

1996-2008 12

874 O157 O26

O111 O 23

23 16

2

7 4

O H

15

O91

eaeA *hlyA*

eaeA

11 インフルエンザウイルス株の遺伝子レベルでの解析

2008.

35 65-70

17 19

108

A/H1N1

A/H3N2

(Hemagglutinine, HA

17 18 19

A/H1N1

A/H3N2

B

18 19

A/H1N1

55

12 苦情酒精綿中に検出された揮発性有機化合物成分

71-76 2008.
20 2

VOC

GC/MS

SPME

35

VOC

SPME

/

VOC

SPME

14 Time trend of dioxin like PCBs, PCDFs, PCDDs concentrations in blood of Yusho patients

Jumboku Kajiwara, Takashi Todaka^{*1}, Hironori Hirakawa, Tsuguhide Hori, Suguru Inoue^{*2}, Kazuhiro Tobiishi, Daisuke Onozuka, Yoshiko Takao, Reiko Nakagawa, Takao Iida, Takesumi Yoshimura, Masutaka Furue* :Presistent Organic Pollutants (POPS) Reserch in Asia, 400-403, 2008.

	2002	2005
VOC	1381)	4
SPME		DIX
/	1,2,3,4,7,8-HxCDF	
	2,3,4,7,8-PeCDF	
VOC	3	2,3,4,7,8-PeCDF
		2,3,4,7,8-PeCDF

*1 Kyushu University
*2 Japan Food Hygiene Association
*3 Kitakyushu Life Science Center

13 魚介類中 PCBs の異性体分離分析

2005 2006
15
PCBs

HRGC/HRMS

PCBs

PCBs

PCBs

KC-500

KC-600

PCBs

PCBs 2,2',4,4',5,5'-HxCB PCB153

PCBs 11.9%

PCB153

20.8%

PCBs

15 Trasion of PCB and PCDF concentration in Yusho patients for 38 years

Yoshito Masuda^{*1} Takesumi Yoshimura Jumboku Kajiwara John Jake Ryan^{*2} Presistent Organic Pollutants (POPS) Reserch in Asia 431-436 2008.

	1974
PCB118, PCB153, PCB156, PCBs	PCB153,
2006 38	A
PCB156 PCBs	
B C	
PCB118	A
B C	
38	

*1 Daiichi University, College of Pharmaceutical Sciences
*2 Health and Welfare Canada

16 最近の IT 技術の進展とマニュアル第 5 版第 5 章
改訂のポイント

*1 *2 *3
37 469-472 2008.
5 5
5 IT 53.3

18 Cosmogenic ⁷Be : Atmospheric Concentration and
Deposition in Japan

Yukinori Narazaki Kazunobu Fujitaka Jpn. J. Health
Phys. 44 (1) 95-105 2009.

⁷Be
⁷Be
⁷Be
72

*1
*2
*3

* National Institute of Radiological Sciences

17 揮発性有機化合物 (VOC) による室内空気汚染の
実態 - 室内/屋外濃度、発生源および暴露につい
て -

688-693 2009.
VOC ()
VOC VOC
1 VOC
VOC
VOC

19 大気中 ⁷Be をトレーサーとした成層圏オゾンの
流入評価

64
*1,
*2 Proceedings of the Workshop on
Environmental Radioactivity 2008 45-50 2008.
2007
⁷Be
⁷Be
⁷Be/
9 10 12 72
22ppb

*1
*2

20 大気中の炭素成分 (EC, OC) の挙動及び他成分との関係

93-97 2008. 35

SPM

Ox

4

EC Yanaco/ 1 2007.1

OC 2007.12

CHN

EC OC

Ox EC OC

OC/EC Ox OC

22 都市河川における亜鉛の流出特性とその存在形態

98-101 2008.

SS (Q)

SS

D-Zn (L)

P-Zn

T-Zn 0.0145Q^{.07} 0.00117

Zn

D-Zn 78-89

T-Zn 1

D-Zn

T-Zn

F-Zn

SS

21 土壌の酸性化した畑地におけるマンガン収支の推定

31(5) 275-280 2008

1

12kg/(ha y)

49kg/(ha y)

37kg/(ha y)

850 μ g/g

2.5g/cm³ 90cm

140t

278kg/y

0.2%

23 第12章 竹炭を利用した水質浄化技術

31(5) 275-280 2008

LAS

LAS

VOC

*1

24 簡易調査手法を用いた不法投棄廃棄物の埋立て
範囲の推定

Vol.33 No.4 233-238 2008

26 ヒドロキシメチルフェノール類の河川への流出
事例

Vol.33 No.2 20-24 2008

17 11

25 日向神ダム湖水温の経年変動

		*		*	
		35	83-89	2008	
1962	1	2008	2		
	3	0.018	0.033	/	
	1955	2005		12	
2			0.027	/	
	7	9			
0.156	0.167	/			
	6	8		0.0	7 /
0.021				9	
		0.032			
	0.029				
*					

27 焼却灰セメント原料化のための有機性コンポスト
を混合した都市ごみ焼却灰からの塩素溶出挙動の
解明

*1 *1
*2 *2 *2
Vol.20 No.1 pp.52-60 2009.

pH

pH

*1

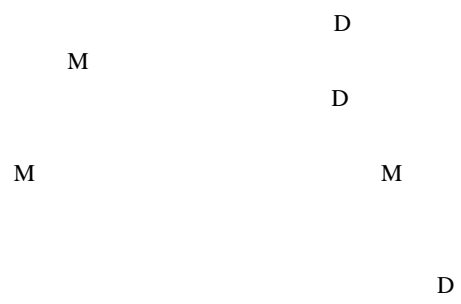
*2

28 北九州市お糸池における自然雑種インバモの起源と現状

2008

*1 *2 *1

*1 *1 Bunrui 8(2) 129-139



*1
*2

(3) 学会等口頭発表一覧

Mortality among Yusho patients: 40 Years of Follow-Up	Takesumi Yoshimura, Daisuke Onozuka, Satoshi Kaneko ^{*1} , Masutaka Furue ^{*2} *1 Nagasaki University *2 Kyushu University	28th International Symposium on Halogenated Persistent Organic Pollutants (Birmingham) 17-22 August. 2008.
A Comparison of TEQ (1998) and TEQ (2006) according to the dioxins pollution source and environmental medium	Daisuke Yasutake, Kazuhiro Tobiishi, Hiroko Tsukatani, Kenji Ohno, Kenji Sakuragi, Shinji Iwamoto and Takahiko Matsueda	International Symposium on Environmental Analysis 2008 (Fukuoka, Japan), November 26, 2008.
Selective Ionization of 2,4-Xylenol in Mass Spectrometry Based on Tunable Laser/Supersonic Jet Technique	Hiroko Tsukatani, Tomohiro Uchimura [*] , Totaro Imasaka [*] [*] Kyushu University	International Symposium on Environmental Analysis 2008 (Fukuoka, Japan), November 26, 2008.
A Comparison of TEQ (1998) and TEQ (2006) according to the dioxins pollution source and environmental medium	Daisuke Yasutake, Kazuhiro Tobiishi, Hiroko Tsukatani, Kenji Ohno, Kenji Sakuragi, Shinji Iwamoto and Takahiko Matsueda	28th International Symposium on Halogenated Persistent Organic Pollutants (Birmingham, UK), August 17-22, 2008.
Evaluation of the anti-mutagenicity of food components against chemicals induced DNA damages	Mieko Horiguchi [*] , Nobuyuki Sera, Seiichirou Aoe [*] , Sachie Ikegami [*] [*] Otsuma Women's University	International Symposium on Genotoxicity Assessment -New Concept, Strategy and Regulation- (Okinawa, Japan), December 4-5, 2008.
Dioxin and related chemicals concentrations in blood and breast milk collected from 125 mothers in Hokkaido, Japan	Jumboku Kajiwara, Takashi Todaka ^{*1} , Hironori Hirakawa, Tsuguhide Hori, Daisuke Yasutake, Daisuke Onozuka, Noriaki Washino ^{*2} , Kanae Konishi ^{*2} , Seiko Sasaki ^{*2} , Eiji Yoshioka ^{*2} , Motoyuki Yuasa ^{*2} , Reiko Kishi ^{*2} , Takao Iida ^{*3} , Takesumi Yoshimura, Masutaka Furue ^{*1} *1 Kyushu University *2 Hokkaido University *3 Kitakyushu Life Science Center	28th International Symposium on Halogenated Persistent Organic Pollutants (Birmingham) 17-22 August. 2008.
Concentration and congener profile of non-dioxin-like polychlorinated biphenyls in blood collected from 195 pregnant women in Sapporo City, Japan	Takashi Todaka ^{*1} , Tsuguhide Hori, Hironori Hirakawa, Jumboku Kajiwara, Daisuke Yasutake, Daisuke Onozuka, Noriaki Washino ^{*2} , Kanae Konishi ^{*2} , Seiko Sasaki ^{*2} , Eiji Yoshioka ^{*2} , Motoyuki Yuasa ^{*2} , Reiko Kishi ^{*2} , Takao Iida ^{*3} , Takesumi Yoshimura, Masutaka Furue ^{*1} *1 Kyushu University *2 Hokkaido University *3 Kitakyushu Life Science Center	28th International Symposium on Halogenated Persistent Organic Pollutants (Birmingham) 17-22 August. 2008.

Air A wide-area scavenging technology of air pollutants using activated carbon fiber - NOx purifying characteristics of ACF-unit and Examination of Its Regeneration Technique-	Takaaki Shimohara, Shunji Niiya, Masaaki Yoshioka ^{*1} , Toshihiro Kitada ^{*2} , Isao Mochida ^{*3} , *1 Osaka gas Co. Ltd. *2 Toyohashi University of Technology *3 Kyushu University	The 15 th Joint Seminar of JSPS-MOE Core University Program on Urban Environment, (Invitation lecture) Toyohashi-city, JAPAN, November 1-2, 2008.
Study on Measurement Method for Hydroxylated Polychlorinated Biphenyls (OH-PCBs) by LC/MS	Kazuhiro Tobiishi, Hiroko Tsukatani	28th International Symposium on Halogenated Persistent Organic Pollutants (Birmingham, United Kingdom), August 17-22, 2008.

Web	*	22
	* *	21 1 23
	*	4 LCA
	*	21 3 5-7
WebGIS	*	17
	*	20 10 23 -24
		67
	*	20 11 6
	* * *	57
	*	20 9 10-12
	* * *	69
	*	20 5 15-16
TEF (1998) TEQ TEF (2006) TEQ		17
		20 6 11-12
LC/MS (43)	* * *	17
	*	20 6 11-12
	*1 *1 *2 *2 *3 *3 *3 *1 *2 *3	35
		20 9 11 12
<i>Salmonella</i> Schwarzengrund	* * * * * *	146
		20 9 24
	*1 *1 *2 *2 *3 *3 *3 *3 *1 *2 *3	29
		20 11 13

IS-printing O157	*1 *1 *2 *3 *1 *2 *3	29 20 11 13
		29 20 11 13
	*	17 (20 6 11-12
	*1 *1 *2 *2 *2 *2 *2 *3 *1 *2	96 (20 9 18-19
PCBs		34 20 10 9-10
()	*	45 20 11 13-14
()	*1 *1 *2 *1 *2	11 20 12 13-14
PCB	*	45 (20 11 13-14
	*	45 (20 11 13-14
	*	45 (20 11 13-14
		45 (20 11 13-14

3 (VOC)	*1 *1 *2 *3 *3 *1 *2 *3	24 21 2 18-19
		50 20 12 4
7Be	* *	10 21 3 3 -5
7Be	* *	42 20 6 26 -27
7Be	* *	50 20 12 4
		50 20 12 4
(EC,OC)		49 20 9 17 -19
ACF (18)	* *	49 20 9 17 -19
		19 20 6 24
		49 20 9 17 -19
		54 20 10 24
2- ()		20 21 1 30
N-()-		20 21 1 30

		43 21 3 16 18
		43 21 3 16 18
		30 20 8 2-3
	*1 *2 *3 *4 *4 *4 *5 *1 *2 *3 *4 *5	30 20 8 2-3
		11 20 11 27-28
	*1 *1 *2 *1 *1 *2	2008 20 5 24-25
	*	35 20 11 18-19

		34 19 10 9
		34 20 10 9

(4) 報告書一覧

20			21 3
20			21 3
20	20		21 3
	Web	*	20 10
	E-4 4.		21 3
20	20 (LC/MS)	*	21 3
20	20	*	21 3
20	20	*	21 3
20	20	*	21 3
20	Real-time PCR		21 3

20	3 IS-printing System	<p style="text-align: center;">*1 *2</p> <p style="text-align: center;">*3 *4 *5</p> <p style="text-align: center;">*6 *7</p> <p style="text-align: center;">*8 *9</p> <p style="text-align: center;">*10 *11 *12</p> <p style="text-align: center;">*12, *13 *14</p> <p>*1</p> <p>*2</p> <p>*3</p> <p>*4</p> <p>*5</p> <p>*6</p> <p>*7</p> <p>*8</p> <p>*9</p> <p>*10</p> <p>*11</p> <p>*12</p> <p>*13</p> <p>*14</p>	21 3
20			21 3
20		<p style="text-align: center;">*1 *1</p> <p style="text-align: center;">*1 *1 *1</p> <p style="text-align: center;">*2 *2</p> <p style="text-align: center;">*2</p> <p>*1</p> <p>*2</p>	21 3
20	RT-PCR	<p style="text-align: center;">*1</p> <p>*</p>	21 3

20	HIV-1	*1 *1 *1 *2	21 3
HIV		*1 *2	
19		*	20 7
		*	
19	PCBs	*	20 7
		*	
19		*1 *2 *3 *1	20 7
		*1 *2 *3	
20	20		21 3
	PCDF	*1 *2	
20	20		21 3
		*1 *2	
20	20	*	21 3
		*	

20	20 PCB	*1 *2	21 3
20			21 3
18-19 8	()		21 3
19	19		20 4
19	19		20 7
20	20		21 3
20			21 3
20		*	20 12
		*	

