

Poster Presentations:

14:00-15:00, April 8

Asian & Other Developing Environment

P01: Human Exposure to Brominated Flame Retardants and Dioxin-like Compounds in Vietnamese E-waste Recycling Sites

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P02: Contamination Associated with E-waste Recycling in India

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Environment

P03: Polybrominated Diphenyl Ethers in Soils from Various Locations in Surabaya City, Indonesia: Dumping Site and Urban Areas as Important Sources

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90019

P04: Knowledge gaps in the analysis of novel Brominated Flame Retardants

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90025

P05: Purity Evaluation of Tetrabromobisphenol-A by Differential Scanning Calorimetry

Nobuyasu Hanari¹, Ryoko Iwasawa¹, Masahiko Numata¹

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90027

P06: Effect of Aging on the Volatility and Degradation of Brominated Flame Retardants and Organochlorine Pesticides in Urban Soil

Fiona Wong^{1,2}, Perihan Kurt-Karakus¹, Terry F Bidleman¹, Sum Chi Lee³

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3) Environment Canada

90035

P07: Field Survey of Newly Dioxin Related Compounds (Polybrominated /chlorinated Biphenyls) in Various Environmental Samples and Estimation of their Contamination Sources

Teruyuki Nakao¹, Osamu Aozasa¹, Ema Akiyama¹, Hideki Kakutani¹, Mehran Alae², Souichi Ohta¹

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90039

P08: Behavior of bromine content and low molecular weight emissions from decaBDE, HBCD and brominated polystyrene in polystyrene under artificial ageing in UV light

Franky Puype¹, Jiri Samsonek¹

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90040

P09: Metabolism and oxidative degradation of benzo[a]pyrene (BaP) by white rot fungus Polyporus sp. S133

Tony Hadibarata¹, Sanro Tachibana²

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90047

P10: Brominated flame-retardants and dechlorane plus in air and sea water of the Atlantic Ocean and the Antarctic

Zhiyong Xie¹, Axel Moeller¹, Lutz Ahrens¹, Armando Caba¹, Renate Sturm¹, Ralf

Ebinghaus¹

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90056

P11: Biomagnification Pattern of PBDEs and HBCDs in Eastern and Western Boundary Current Ecosystems of the North Pacific Ocean

Tomohiko Isobe¹, Saori Toyoshima¹, Todd W Miller¹, Koji Omori¹, Jun Nishikawa², Sanae Chiba³, Orio Yamamura⁴, Richard Brodeur⁵, Robert Emmett⁵, Shinsuke Tanabe¹

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P12: Levels of Polybrominated Diphenyl Ethers in Seawater and Marine Sediments: European Water Framework Directive

Arantxa Bartolome¹, Oscar Palacios¹, Barbara Mateo¹, Josep Sanchis¹, Maria Guerra¹, Marta Manzanera², Mariona de Torres², Josep Caixach¹

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90076

P13: Dispersive solid-phase extraction followed by liquid-liquid microextraction for extraction and preconcentration of PBDEs from sediment samples prior gas chromatography-mass spectrometry

Jorgelina C Altamirano^{1,2}, Ariel R Fontana¹, Rodolfo G Wuilloud^{1,2}

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P14: Polybrominated Diphenyl Ethers in Mendoza River Basin and El Carrizal Reservoir: Levels, Distribution and Correlation with Physico-Chemical Variables

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P15: Vertical distribution of PBDEs in farm soils irrigated by river wastewater

Thanh Wang¹, Yawei Wang¹, Jianjie Fu¹, Pu Wang¹, Yingming Li¹, Qinghua Zhang¹, Guibin Jiang¹

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P16: Determination of PBDEs and PBDD/DFs in the Environmental Samples

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90084

P17: Evaluation of the distribution and transport of polychlorinated biphenyls and polybrominated diphenyl ethers in an e-waste dismantling region by using Apple snail as bioindicator

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P18: Biomagnification of PBDEs through coastal food web in Tokyo Bay

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P19: Comparison of GC/MS Methods for the Measurement of Brominated Diphenylethers(PBDEs) in Food samples

Olaf A.B. Paepke¹, Matthias Opel¹, Peter Ebsen¹, Malte Petersen¹, Arnold Schecter²

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P20: Polybrominated Diphenyl Ethers (PBDEs): spatial and temporal trends in Gannet eggs (*Morus bassanus*) from two UK colonies

John D Crosse^{1,2}, Gloria M Dos Santos Pereira¹, Kevin C Jones², Richard F Shore¹

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Exposure & Toxicology

P21: Exposure to PBDEs in Offices: Connecting Dust, Handwipes and Serum

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P22: Human Exposure to Novel Brominated Flame Retardants

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P23: Polybrominated Diphenyl Ethers (PBDEs) and Other Persistent Organic Pollutants in Computer Users from Greece

Olga I Kalantzi^{1,2}, Adrian Covaci³, Tinne Geens³, Panayotis Siskos²

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90041

P24: Determination of Brominated Flame Retardants in Human Scalp Hair from Mothers Living in Payatas and Malate, the Philippines

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90017

P25: BFRs in California Women

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90045

P26: Estimated dietary intake of Polybrominated diphenyl ethers (PBDEs) in China

Lei Zhang¹, Jinguang Li¹, Yunfeng Zhao¹, Yongning Wu¹

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90141

P27: Concentrations of brominated flame retardants in Japanese human blood

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P28: Spatial Distribution, Temporal Variation and Health Risk Assessment of Brominated Flame Retardants in Human Breast Milk from Ghana

Kwadwo A Asante^{1,2}, Kenta Nakahiro¹, Sam Adu-Kumi³, Shin Takahashi¹, Tomohiko Isobe¹, Agus Sudaryanto¹, Edith Clarke⁴, Stephen Dapaah-Siakwan², Osmund Ansa-Asare², Shinsuke Tanabe¹

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P29: Temporal Trend of Polybrominated Diphenyl Ethers in Archived Breast Milk Samples from Osaka, Japan

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90073

P30: Does flying in commercial airliners present a threat of PBDE exposure?

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P31: Investigation of Polybrominated Diphenyl Ethers in UK Retail Food Samples

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P32: The Emerging BFRs Hexabromobenzene (HBB), Bis(246-tribromophenoxy) ethane (BTBPE), and Decabromodiphenylethane (DBDPE) in UK and Irish Foods

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90028

P33: Intake of Polybrominated Diphenyl Ethers from Food in Finnish Children Aged One to Six Years: Risk Management Implications

Anna K. Karjalainen^{1,2}, Hannu Kiviranta³, Harri Sinkko³, Jouni T. Tuomisto³, Carina Kronberg-Kippilä³, Suvi M. Virtanen³⁻⁵, Anja Hallikainen⁶, Mikael Knip⁵, Olli Simell⁷, Riitta Veijola⁸, Tero Hirvonen⁶

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90009

P34: Daily Intake of Brominated Dioxins, Co-PXBs and Brominated Flame Retardants Estimated from Market Basket Study

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P35: The 'Tyne Fish Project'- Concentrations of BFRs, Congener and Enantiomer Profiles in Different Fish Species and Sample Types from the Tyne River Estuary, UK, and Dietary Intake Estimates for Anglers

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90077

P36: Polybrominated Diphenyl Ether Levels in Livers of Predatory Birds from Poland

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90061

P37: Emerging Brominated Flame Retardants in White Storks (*Ciconia ciconia*) Colonies from Spain

Begona Jimenez¹, Juan Munoz-Arnanz¹, Monica Saez¹, Grazina Pacepavicius², Mehran Alaei²

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P38: Oxidative metabolism of BDE-99 by rat liver microsomes: metabolites formed and CYP enzymes involved

Claudio Erratico¹, Stelvio Bandiera¹

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P39: Nuclear Hormone Receptor Activity of Polybrominated Diphenyl Ethers and Their Hydroxylated and Methoxylated Metabolites Based on Transactivation Assays

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90048

P40: Comparative Study of Affinity for Thyroid Hormone and Estrogen Receptors of Hydroxylated Polychlorinated Biphenyls and Polybrominated Diphenyl Ethers

Seigo Sanoh¹, Eri Iwase¹, Kana Matsubara¹, Kazumi Sugihara^{1,2}, Nariaki Fujimoto¹, Naoto Uramaru^{1,3}, Shigeyuki Kitamura^{1,3}, Shigeru Ohta¹

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P41: Effects of Decabrominated Diphenyl Ether on Testis Function in Male Offspring Mice Following In Utero Exposure

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P42: Estimation of PBDD/DF Toxicity Equivalency Factors from Ah receptor binding affinity and clearance rate in rat

Muneaki Matsuda¹, Miho Okimoto¹, Yousuke Takechi¹, Masafumi Nakamura², Hiroshi Handa², Masahide Kawano¹, Kazutoshi Nose³, Kiyoshi Ebihara¹, Masatoshi Morita¹

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Indoor Pollution

P43: Occurrence of Technical Polybrominated Diphenyl Ether Mixtures in Polish Indoor Environments

Amelia Staszowska¹, Marzenna R Dudzinska¹, Mariusz Skwarczynski¹

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90003

P44: Effects of Chromatographic Parameters on Determination of Decabromodiphenyl Ether (BDE209)

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P45: Hexabromocyclododecanes in Dust from Public Facilities and Business Places in Japan

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P46: Degradation Behavior of Condensed Phosphorus Ester Flame Retardants

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Alternatives

P47: Non-PBDE brominated flame retardants and Dechlorane Plus in air and seawater of the Arctic

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90091

P48: Emerging “new” Brominated flame retardants: Sources and Transport

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P49: Analysis of Monomeric and Oligomeric Phosphate Esters in Indoor Air and House Dust by GC-MS and LC-MS

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Sources, Control and Regulation

P50: Tetrabromobisphenol A as a brominating agent for heavy metal oxides

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90006

P51: Initial studies on possibility of simultaneous recycling BFR-containing waste plastics with EAF dust

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90005

P52: Degradation Behaviour of Flame Retarded HIPS

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90026

P53: Photocatalytic Decomposition of Decabromodiphenyl Ether (BDE-209) over BiOBr Driven by Visible Light: Kinetics and Intermediates

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P54: Debromination of Decabromodiphenyl Ether in Polystyrene Resin by Mechanochemical Treatment

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P55: Contamination Risk of Polybrominated Diphenyl Ethers in Vietnam

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P56: Preliminary health risk assessment for Hexabromocyclododecane (HBCD) in a flame retarded curtain in Japan

Yuichi Miyake¹, Satoshi Managaki¹, Yasukazu Yokoyama¹, Satoshi Nakai¹, Toshiyuki Kataoka², Eiko Nagasawa², Masaaki Shimojima², Shigeki Masunaga¹, Hiroki Hondo¹, Takeshi Kobayashi¹

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90057

P57: EFSA's Risk Assessment on Brominated Flame Retardants (BFRs)

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90090

P58: E-waste of TVs, PCs in relation to BFR in Vietnam: the generation and potential risks

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90154

P59: The Questionable Applicability of BDE-175 as an Indicator for Commercial Octabromodiphenyl Ether

Alexandre Konstantinov¹, Brock Chittim¹, Dave Potter¹, Jeff Klein¹, Nicole Riddell¹, Robert McCrindle²

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90008

P60: Socio-economic analysis of usage restriction of brominated flame retardant HBCD

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P61: Development of Japanese Recycling Policy for Electric Home Appliances by the Addition of Plastics Recycling

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P62: Investigation of Emission Characteristics of Brominated Dioxin (PBDD/PBDFs) in conjunction with PCDD/PCDFs in different types of waste incinerators and APC facilities

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