

Dr. Roland Haag

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Curriculum Vitae

• Personal Details

Name Dr. Roland Haag
Place of birth D - 89604 Allmendingen
Date of birth 10/05/1958
Nationality German



• career

since 09/2014 ROHA DIOX Consult
- independent consultant in environmental field, especially Dioxin / POPs
- auditor according DIN EN ISO 17025 of German Accreditation body DAkkS for the analysis of Dioxins and dl-PCB

04/1994 - 10/2013 Head of laboratory for Dioxin- and Environmental Analysis of TÜV SÜD located at Donzdorf,
- general manager with full personal, technical and economical responsibility

03/1990- 13/1994 Head of laboratory for Dioxin- and Environmental Analysis of ECOPLAN located at Donzdorf

1986 -1989 graduation (magna cum laude) at the university of Tübingen (Prof. Dr. Hagenmaier)
Thesis:
„Polychlorinated Dibenzodioxins and Dibenzofurans in the environment - Analysis of river and lake sediments and investigations concerning the catalytical degradation“

04/1979 - 12/1985 study of chemistry at the university of Tübingen
diploma in chemistry

• practical experiences

- 30 years experience in the field of dioxins
- responsible for more than 20000 analysis of environmental samples, food and feed
- development of analytical methods
- technical consulting of clients in respect of dioxin emission, destruction and formation
- training and education of staff, internal and external
- QM-Manager

Dr. Haag has been member of the VDI-working-groups
3498 "Measurement of Dioxins in Emission"
3499 "Measurement of Dioxins in Immission"
which are involved in the work of DIN EN 1948 1-4.
The groups have been finished in 2004 when publishing the guidelines.

Actually he is corresponding member of the german VDI-mirror-groups:

- "Measurement of PCB in emissions" (EN 1948-4)
- "Continuous sampling of Dioxins in emissions" (EN 1948-5)

- **skills**

language: english: good
 french: basic

Computer: MS Office-tools, basic in SAP

Donzdorf, January 2017



Dr. Roland Haag

Attachments

- references
- papers

References

a) Investigations in the federal republic of Germany (PCDD/F and POP analysis)

Type of sample	Type of plant / matrix	samples
soil		2000
compost		300
sewage sludge		300
emission	- waste incineration	7000
	- aluminium and secondary aluminium industry	1000
	- hazardous waste incineration	250
	- cementary kilns	600
	- steel industry (incl. sintering plants)	1200
	- miscellaneous	3000
residues from flue gas cleaning / remainders	- waste incineration	2500
	- secondary aluminium-, steel industry	800
	- miscellaneous	1000
biological samples, food	- i. e. milk, blood, meet, eggs	400
feed		500
water, drinking water		400
immission	- dust deposits	800
	- suspended particulate matter	1200
	- biomonitoring (vegetation)	1300
working place / fire accidents	- indoor air	500
	- air at the working place	200
	- soot samples / materials after fire accidents	1100
materials	- plastics	100
	- pulp and paper	50
	- miscellaneous	2000

b) Investigations in other countries

country	branch	project	samples
USA	non-ferrous metal industry	emission measurements	20
Corea	waste incineration	emission measurements	10
Austria	copper melting plant, other	emission measurements, residues	300
		food	50
Belgium	non-ferrous metal industry	emission measurements, residues	1000
France	- MWI, others	emission measurements	50
	- Decontamination of a landfill	soil, water	100
	- immission		100
Greece	- miscellaneous	emission measurements, residues	250
	- biological, food, feed	monitoring	40
Hungary	- hazardous waste incineration	emission measurements	50
	- cement, rotary kiln	emission measurements	20
Italy	non-ferrous metal industry	emission measurements, residues	60
Luxemburg	- sintering plants	emission measurements, residues	50
	- immission/biomonitoring/soil	monitoring	350
Netherlands	MWI, others	emission measurements	1000
Norway	MWI	emission measurements, residues	100
Spain	- waste incineration	immission, emission	70
	- miscellaneous	products, sewage sludge, emissions, water	80
Switzerland	- secondary aluminium industry	Reclamation of a working site	300
	- municipal waste incineration	emission measurements	150
	- chemical industry, plastics	emission, burn-off tests	100
Thailand	miscellaneous		15
Yugoslavia	„Kosovo-War“, UNO-UNEP	soil	20

Papers published by Dr. Haag:

- R. Haag, "Untersuchung von Sedimenten auf PCDD/F", diploma thesis, University Tübingen, 1985
- H. Hagenmaier, M. Kraft, H. Brunner, R. Haag: „Zur Problematik der Emissionsmessung von polychlorierten Dibenzodioxinen und polychlorierten Dibenzofuranen an Abfallverbrennungsanlagen“, „Dioxine“, VDI-Komm. Reinhaltung der Luft, Schriftenreihe Band 3 (1986)
- H. Hagenmaier, H. Brunner, R. Haag, M. Kraft: „Selective Determination of 2,3,7,8-TCDD in the Presence of a large Excess of other PCDD an PCDF“, Fresenius z. Anal. Chem. **323**, p. 24 (1986)
- H. Hagenmaier, H. Brunner, R. Haag, A. Berchtold: „PCDDs and PCDFs in Sewage Sludge, River and Lake Sediments from South West Germany“, Chemosphere **15**, p. 1421 (1986)
- H. Hagenmaier, H. Brunner, R. Haag, M. Kraft: „Die Bedeutung katalytischer Effekte bei der Bildung und Zerstörung von polychlorierten Dibenzodioxinen und Dibenzofuranen“, oral presentation at VGB-congress „Waste incineration" 1986
- H. Hagenmaier, M. Kraft, H. Brunner, R. Haag: „Catalytic effects of Fly Ash from Waste Incineration Facilities on the Formation and Decomposition of PCDD and PCDF and other Chloroaromatic Compounds“, Environ. Sci. Technol., **21**, p. 1080 (1987)
- H. Hagenmaier, H. Brunner, R. Haag, M. Kraft: „Copper catalyzed Dechlorination / Hydrogenation of PCDD and PCDF and other Chloroaromatic Compounds“, Environ. Sci. Technol., **21**, p. 1085 (1987)
- H. Hagenmaier, H. Brunner, R. Haag, M. Kraft, K. Lütze: „Problems associated with the Measurement of PCDD and PCDF Emissions from Waste Incineration Plants“, Waste Management and Research, **5**, p. 239 (1987)
- H. Hagenmaier, H. Brunner, R. Haag, et al: „Stand der Dioxin-Analytik“, VDI-Berichte Nr. **634**, p. 61 (1987)
- H. Hagenmaier, H. Brunner, R. Haag, M. Kraft: „Die Bedeutung katalytischer Effekte bei der Bildung und Zerstörung von PCDD und PCDF“, VDI-Berichte Nr. **634**, p. 557 (1987)
- R. Haag, U. Weberruß, H. Hagenmaier: „Polychlorinated Dibenzodioxins and Dibenzofurans in Lake and River Sediments from South West Germany“, Poster-Präsentation beim „4. Int. Kongress analytischer Technik in der Umweltchemie“, Barcelona, 1988
- R. Haag, "PCDD und PCDF in der Umwelt: Analysen von Fluß- und Seesedimenten und Untersuchungen zum katalytischen Abbau", Thesis, University Tübingen, 1989
- R. Haag: „Interpretation of analytical results of organic trace components in emission samples“, oral presentation at Euroforum congress „Lucht-Emissierichtlijnen en -metingen“, 05.02.1992, Rotterdam
- R. Haag, N. Dawidowsky, K. Hermes, K. Tichaczek, G. Ludwig: „Messungen der PCDD/F-Emissionen von Hausheizungen“, Wasser, Luft und Boden, **6**, S. 40 (1992)
- R. Haag, W. Nobel: „Die Dioxinbelastung ist zurückgegangen“, Chemische Rundschau Nr. 8, p. 2 (1993)
- R. Haag, N. Dawidowsky: „Bestimmung der Gehalte an PCDD/F und PCB in Bioabfallkomposten“, Wasser, Luft und Boden, **10**, p. 86 (1994)
- R. Haag: „Neuere Erkenntnisse zur Analytik und Bewertung der PCB“, oral presentation at VDI congress „Schadstoff PCB“, 3.3.1995 Düsseldorf
- R. Haag: „Toxische PCB-Verbindungen, Ausweitung der analytischen Untersuchung von Raumluftproben“, Energie **04/95**
- R. Haag, N. Dawidowsky: „Bestimmung der Gehalte an PCDD/F und PCB in Grünkomposten“, Organohalogen Compounds **22**, S. 403 (1995)

- R. Haag: „Stationary Source Emissions, Determination of the Mass Concentrations of PCDDs/PCDFs, Aspects of Sampling according to DIN EN 1948 Part 1“, VDI-Berichte Nr. **1585**, p. 143 (2001)
- R. Haag: „General Aspects of Analysis according to DIN EN 1948 Part 2 and Part 3 and Interpretation of the Recoveries of the Sampling Standards“, VDI-Berichte Nr. **1585**, p. 149 (2001)
- M. Zeiger, R. Haag, J. Höckel, D. Schrenk und H.-J. Schmitz: „Inducing Effects of Dioxin-like PCBs on CYP1A in the Human Hepatoblastoma Cell Line HepG2, the Rat Hepatoma Cell Line H4IIE and Rat Primary Hepatocytes: Comparison of Relative Potencies“, *Toxicological Sciences* **63**, p. 65 (2001)
- R. Haag, Analytik von Sonderverbindungen (PCDD/F, PBDD/F, PCB, PAH), oral presentations at the VDI congresses "Meßtechnik bei Verbrennungsanlagen", Munich, 2001 - 2011
- J. Reinmann, B. Kuch, R. Weber, R. Haag, "Continuous Monitoring of Unintentionally Formed POPs Listed Under the Stockholm Convention (PCDDs/PCDFs, PCBs, HCB) Using AMESA® Long Term Sampling System", oral presentation at "Dioxin 2006" at Oslo
- J. Reinmann, B. Kuch, R. Weber, R. Haag, "Continuous Monitoring of Unintentionally Formed POPs Listed Under the Stockholm Convention (PCDDs/PCDFs, PCBs, HCB) Using AMESA® Long Term Sampling System", oral presentation, 7. High Temperature Air Combustion and Gasification International Symposium in Phuket (Thailand), 2008
- J. Reinmann, R. Haag, C. Löthgren, R. Weber, „Temperature range for continuous monitoring of unintentionally produced POP's (PCDD/F, PCB, HCB) using AMESA long term sampling system“, *Organohalogen Compounds* **70**, p. 2074 (2008)
- R. Haag, "Sicherheit für Anlagenbetreiber", *CITplus*, **5**, p. 28 (2008)
- R. Haag, "Auf Spurensuche", *Immissionsschutz*, **2**, p. 78 (2008)
- R. Haag, "Nanogramm entscheiden", *Chemietechnik*, **3**, p. 62 (2009)
- J. Reinmann, R. Weber, R. Haag „Long term sampling of PCDD/F and other unintentionally produced POP's - Concepts and Case studies from Europe“, *Science China Chemistry*, Vol 53, **5**, p. 1017 (2010)
- W. Körner, R. Haag, R. Weber, P. Behnisch, *Chemosphere* **93** (2013), S. 581
- R. Weber, R. Haag, C. Herold, Dauerhaft stabil – nicht immer von Vorteil, 20 Jahre Biomonitoring von Dioxinen/Furanen und PCB, Bericht für die LfU Bayern (2016)