

Name of measuring program:

Schadstoffe in Wasser in deutschen Küstengewässern und der dt. AWZ - Copy of ID: 91

ID of measuring program:

ANSDE\_MP\_353

Marine waters (seas):

ANS

indicators (2014):

- 13.1.1 PAK
- 13.1.2 PCB
- 13.1.4 CHC (Chlorkohlenwasserstoffe), DDT, HCH, HCB
- 13.1.5 PFC
- 13.1.6 OTC (OrganoZinnVerbindungen)
- 13.1.7 Biozide (Herbizide/Pestizide/PSM)
- 13.1.8 Flammschutzmittel (PBDE, andere)
- 13.1.9 PPCP (Pharmazeutika und Personal Care Products)
- 13.1.10 Metalle

Monitoring programmes (north sea):

- Contaminant levels - in water

Monitoring programmes (baltic sea):

Temporal scope start:

1985-01-01

Temporal scope end:

Description monitoring period:

fortlaufend

Spatial scope:

- Territorial waters
- Coastal waters (WFD)

Description spatial scope:

Erfassung von Belastungen und Aktivitäten; Untersuchung der Herkunft, Verteilung und des Verbleibs der Schadstoffe.

Purpose:

- Environmental state and impacts
- Pressures in the marine environment

Description of purpose:

Specifications:

- Pollutants (28)

Responsible institution:

- BUE
- LLUR
- NLWKN

Involved institution:

Elements monitored:

Parameter-Gruppen: PAK PCB Polychl. Dioxine/Furane CHC (Chlorkohlenwasserstoffe), DDT, HCH, HCB PFC OTC (OrganoZinnVerbindungen) Biozide (Herbizide/Pestizide/PSM&Biozide) Flammschutzmittel (PBDE, andere) PPCP (Pharmazeutika und Personal Care Products) Metalle Radionuklide Parameter CAS-No. Param. Gruppe dichlorodiphenyldichloroethane (o,p) 53-19-0 CP dichlorodiphenyldichloroethane (p,p) 72-54-8 CP dichlorodiphenyldichloroethylene (o,p) 3424-82-6 CP dichlorodiphenyldichloroethylene (p,p) 72-55-9 CP dichlorodiphenyltrichloroethane (o,p) 789-02-6 CP dichlorodiphenyltrichloroethane (p,p) 50-29-3 CP hexachlorobenzene 118-74-1 CP lindane, gamma-hexachlorocyclohexane 58-89-9 CP aluminium 7429-90-5 Met cadmium 7440-43-9 Met lead 7439-92-1 Met mercury 7439-97-6 Met chromium 7440-47-3 Met copper 7440-50-8 Met zinc 7440-66-6 Met nickel 7440-02-0 Met cesium-137 10045-97-3 Met tributyltin (TBT) 36643-28-4 OZK dibutyltin cation (DBT) 14488-53-0 OZK monobutyltin (MBT) 78763-54-9 OZK tetrabutyltin 1461-25-2 OZK triphenyltin (TPT) 892-20-6 OZK anthracene 120-12-7 PAH benzo(a)pyrene 50-32-8 PAH benzo(g,h,i)perylene 191-24-2 PAH chrysene 218-01-9 PAH fluoranthene 206-44-0 PAH indeno(1,2,3-c.d)pyrene 193-39-5 PAH phenanthrene 85-01-8 PAH pyrene 129-00-0 PAH benzo(a)anthracene 56-55-3 PAH acenaphthene 83-32-9 PAH acenaphthylene 208-96-8 PAH Alkylated Dibenzothiophenes not applicable PAH Alkylated

Naphtalenes not applicable PAH Aylated Phenathrenes not applicable PAH benzo(b)fluoranthene 205-99-2 PAH benzo(b+k)fluoranthene ? PAH benzo(e)pyrene 192-97-2 PAH benzo(k)fluoranthene 207-08-9 PAH chrysene + triphenylene not applicable PAH naphthalene 91-20-3 PAH dibenzo(a,h)anthracene 53-70-3 PAH BDE 100 189084-64-8 PBDE BDE 154 207122-15-4 PBDE BDE 209 (Decabromdiphenylether) 1163-19-5 PBDE BDE 28 41318-75-6 PBDE BDE 66 189084-61-5 PBDE BDE 99 60348-60-9 PBDE BDE 191 189084-68-2 PBDE BDE 85 182346-21-0 PBDE BDE 153 68631-49-2 PBDE BDE 47 5436-43-1 PBDE Pentachlorobiphenyl no. 101 37680-73-2 PCB Pentachlorobiphenyl no. 118 31508-00-6 PCB Hexachlorobiphenyl no. 138 35065-28-2 PCB Hexachlorobiphenyl no. 153 35065-27-1 PCB Heptachlorobiphenyl no. 180 28655-71-2 PCB Trichlorobiphenyl no. 28 7012-37-5 PCB Tetrachlorobiphenyl no. 52 35693-99-3 PCB Perfluorooctanesulfonic acid (PFOS) 1763-23-1 PFC Perfluorooctanoic acid (PFOA) 335-67-1 PFC perfluorooctyl sulfonate acid PFC Diclofenac 15307-79-6 Pharm EE2 (+E1,E2, E3) not applicable Pharm Hexabromocyclododecane (HBCD) not applicable arsenic 7440-38-2 Parameter CAS-Nr. Parameter-Gruppe Amidotriz Amidotrizioc acid (auch: diatrizoate) 117-96-4 Pharm Aminomethylphosphonic acid (AMPA) 1066-51-9 Herb Bentazon/e 25057-89-0 Herb Benzotriazole 95-14-7 Carbamazepin 298-46-4 Pharm Dibutyl phthalate (DBP) 84-74-2 di-2-ethylhexyl phthalate (DEHP) 117-81-7 Dimethamid Herb MCPA (2-methyl-4-chlorophenoxyacetic acid) 94-74-6 Herb Metoprolol 51384-51-1 Pharm Perfluorbutansäure PFC Perfluorbutylsulfonsäure PFC Phosphorsäure Flamm Sotalol 3930-20-9 Pharm Sulfamethoxazol 723-46-6 Pharm TBEP (tris(2-butoxyethyl) phosphate) 78-51-3 Flamm TBP (tributyl phosphate) 126-73-8 Flamm TCEP (tris(2-chloroethyl) phosphate) 115-96-8 Flamm TCPP (tris(chloropropyl) phosphate) 13674-84-5 Flamm Terbutylazine - ist über Anlage 5 bereits dabei 5915-41-3 Herb Metolachlor-ist über Anlage 5 bereits dabei. 51218-45-2 Herb

Link to parameters:

- MP-9b-2-2-1 - Spatial distribution/extent of pressure
- MP-9b-2-2-3 - Concentration of chemical/nutrient/pollutant in water column

Parameters measured:

table of method url:

Monitoring-Kennblatt Schadstoffe (Stand: 2014-07-02)	<a href="http://fino.bsh.de/blmpweb/kennblatt?id=101&amp;kapitel=3&amp;html=on">http://fino.bsh.de/blmpweb/kennblatt?id=101&amp;kapitel=3&amp;html=on</a>
Determination of perfluoroalkyl compounds in water, sediment, and biota – ICES TIMES No. 48 (2010)	<a href="http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20(TIMES)/times48/TIMES%2048%20PFCs-final%20100812.pdf">http://www.ices.dk/sites/pub/Publication%20Reports/Techniques%20in%20Marine%20Environmental%20Sciences%20(TIMES)/times48/TIMES%2048%20PFCs-final%20100812.pdf</a>
JAMP Guidelines for the analysis of PFCs in water	<a href="http://www.google.de/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=2&amp;ved=0CDIQFjAB&amp;url=http%3A%2F%2Fwww.ospar.org%2Fdocuments%2Fdbase">http://www.google.de/url?sa=t&amp;rct=j&amp;q=&amp;esrc=s&amp;source=web&amp;cd=2&amp;ved=0CDIQFjAB&amp;url=http%3A%2F%2Fwww.ospar.org%2Fdocuments%2Fdbase</a>

Guidance on surface water chemical monitoring under the Water Framework Directive. EC 2009

%2Fdecrecs%2Fagreements%2F10-08e\_jamp%2520guideline%2520pfcs%2520in%2520water.doc&ei=T3Y2VIu3  
[http://ec.europa.eu/environment/water/water-framework/facts\\_figures/guidance\\_docs\\_en.htm](http://ec.europa.eu/environment/water/water-framework/facts_figures/guidance_docs_en.htm)

Description sampling method:

ISO 5667-9, 1992-10: Wasserbeschaffenheit; Probenahme; Teil 9: Hinweise zur Probenahme von Meerwasser DIN EN ISO 5667-3, 2004-05: Wasserbeschaffenheit - Probenahme - Teil 3: Anleitung zur Konservierung und Handhabung von Wasserproben ( ISO 5667-3: 2003); Deutsche Fassung EN ISO 5667-3: 2003

Quality Assurance:

- Other standard (specify)
- Biological Effects Quality Assurance in Monitoring Programmes
- ICES Data Centre Data Type Guides
- IOC Manual of Quality Control Procedures for Validation of Oceanographic Data
- National standard (specify)
- Unknown

description quality assurance:

Qualitätsmanagementsysteme nach DIN EN ISO/IEC 17025, interlaboratory comparisons - <http://www.quasimeme.org/>, ISO TS 13530, ISO 11352, Technical guidance on monitoring for the Marine Strategy Framework Directive - <http://publications.jrc.ec.europa.eu/repository/handle/111111111/30508>

Quality Control:

Other type of QC (specify)

description quality control:

DIN EN ISO/IEC 17025, ISO TS 13530, ISO 11352, Technical guidance on monitoring for the Marine Strategy Framework Directive - <http://publications.jrc.ec.europa.eu/repository/handle/111111111/30508>, control charts

Spatial resolution (density) of sampling:

100

Description Spatial resolution (density) of sampling:

number of samples per year:

0

addendum number of samples per year:

> 200

frequency:

Other (specify)

Description frequency or rather cycle or count per year:

BSH UPB (UBA) BfG TI LUNG IOW NLWKN LLUR Metalle (Wasser) Jan/Feb März Aug/Sep Okt/Nov jährlich monatlich alle 2-3 Jahre Überblicksweise Überwachung: alle 6 Jahre, 11 Stationen, je nach Parameter monatlich oder quartalsweise (2, 5, 8, 11); operative Überwachung ausgewählte Stoffliste: jährlich 21 Stationen quartalsweise (2, 5, 8, 11) Jan oder Feb und Juli oder August jährlich Organ. Schadstoffe (Wasser) Mai/Juni Aug./Sept Okt./Nov. jährlich monatlich alle 2-3 Jahre Jan./Feb. Juli/Aug. jährlich Überblicksweise Überwachung: alle 6 Jahre, 11 Stationen, je nach Parameter monatlich oder quartalsweise (2, 5, 8, 11); operative Überwachung ausgewählte Stoffliste: jährlich 21 Stationen quartalsweise (2, 5, 8, 11) Jan oder Feb und Juli oder August jährlich Radionuklide (Wasser) Aug./Sept Juni/Jul (Ostsee) jährlich

periodicity of sampling:

Yearly

Description monitoring programm details:

data aggregation scale:

- Region
- Subregion

description data aggregation scale:

Access to data - Data type:

- Data products

Access to data - mechanism:

Provide location of data in international data centre (e.g. RSC, ICES, EEA, EMODnet)

Access to data - Rights:

Open access

Access to data - INSPIRE standard:

- Environmental monitoring facilities

Access to data - Date of reporting:

1970-01-01

Access to data - Data updated frequency:

Yearly

Description data frequency:

Link to parameters:

[ICES-Datenbank DOME \(Marine Environment\)](#)

Access to data - Description:

change: